TOUGH DOG
4WD Suspension
. . . Making Tracks Across the World

# PARTS CATALOGUE
## EXPORT EDITION

## JUNE 2023
### VERSION 1

WWW.TOUGHDOG.COM.AU

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**THIS WARRANTY IS PROVIDED BY 4 WAY SUSPENSION PRODUCTS PTY LTD, OF 14 DARLING STREET MARSDEN PARK, NSW, 2765, AUSTRALIA THROUGH ITS DEALERS AND AGENTS IN THE RELEVANT TERRITORY.**

## TERMS & CONDITIONS

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage.
You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

The benefits under our limited warranty are in addition to other rights and remedies under applicable law in relation to the product. At 4 Way Suspension Products Pty Ltd, we want you to have complete confidence in each and every 4 Way product you own. That's why we back our products with a manufacturer's warranty.

## ACCOUNTS

Account applications that are approved must comply with the following Term & Conditions.

1. All export orders must be prepaid before shipment.
2. Credit terms are 30 days from the end of the trading month.
3. Credit will be suspended if payment is not made within the trading terms.
4. Unpaid accounts at 30 days will be placed on stop supply
5. If no credit arrangement exists, all goods must be prepaid before leaving 4 Way Suspension premises.
6. If the applicant is a company, the Director's Guarantee must be completed by all relevant parties.

## FREIGHT & INSURANCE

All prices are quoted Ex-Warehouse and do not include freight. Ownership of the goods passes to the buyer at the time they leave the 4 Way Suspension Premises, providing that payment has been made according to the applicable account terms. Unless specified otherwise, freight will be added to the total cost of goods using the Supplier's preferred freight company.

## CREDIT & WARRANTY RETURNS

Goods for credit or exchange must be returned within fourteen (14) days of invoice date accompanied by a completed **Returns Form.** Goods returned for the purpose of warranty claim must also be accompanied by the returns form along with a copy of the customer invoice. Freight for returned goods can be arranged by the returning party or by 4 Way Suspension, but in both cases, the associated costs remain the responsibility of the returning party.

**15% OF THE TOTAL VALUE OF THE RETURNED GOODS WILL BE CHARGED IN THE EVENT THAT REPACKAGING IS REQUIRED**

## WARRANTY EXCLUSIONS

1. Parts that have been incorrectly installed.
2. Struts that have been assembled with the use of any tool other than hand tools (no rattle guns or impact tools)
3. Load bearing strut bushes that have been tightened while hanging. Strut bushes must be tightened while the vehicle is on the ground supporting its own weight.
4. Interference between shock absorber and other suspension components.
5. Parts that have been involved in a motor vehicle accident or have been bent or have been physically damaged by impact of any kind.
6. Parts showing evidence of improper tightening of the mounting bolts causing parts to wear or bend.
7. Gripping tool marks (vice grips or multi grips) or any other tool made marks on the polished chrome section of the shock absorber shaft.
8. All parts subjected to abuse.
9. All parts used in racing or competition events of any description
10. Fair wear & tear components (including bushings – warranted for 12 months from date of purchase as a component of the shock absorber)
11. Any special-order parts (in which case the warranty is limited to manufacturing defects)*
12. Parts fitted to vehicles weighing more than original GVM or the revised GVM specified by a Tough Dog GVM upgrade.

*Please Note: Any components built to a special order or specification outside the catalogue listings is covered by warranty limited to manufacturing defects. The manufacturer is unable to guarantee the suitability of components for an application for which has not been tested. Failure arising as a result of the application is excluded.

## PROOF OF PURCHASE

A copy of proof of purchase by the retail customer must be attached to the claim including the kilometre reading at the time of fitment (if applicable). Each 4WD Suspension fitted must have a fitting sheet completed and kept on file by either the vehicle owner or the fitment centre performing the work. Failure to produce the fitting sheet may affect the warranty of the product. Warranty is limited to coverage of the original purchaser and is not transferrable with transfer of ownership of the vehicle.

# LIMITED WARRANTY

### TERMS & CONDITIONS

**THIS WARRANTY IS PROVIDED BY 4 WAY SUSPENSION PRODUCTS PTY LTD, OF 14 DARLING STREET MARSDEN PARK, NSW, 2765, AUSTRALIA THROUGH ITS DEALERS AND AGENTS IN THE RELEVANT TERRITORY.**

## WARRANTY PERIODS

| PRODUCT | RECREATIONAL WTY | COMMERCIAL WTY |
|---|---|---|
| 50MM RALPH & 45MM ADJUSTABLE | 4 Year/Unlimited KM | 3 Year/Unlimited KM |
| 35MM NITRO GAS SHOCKS | 3 Year/Unlimited KM | Not Applicable |
| FOAM CELL & 40MM ADJUSTABLE | 4 Year/Unlimited KM | 3 Year/Unlimited KM |
| RTC/EXT/SV DAMPERS | 4 Year/Unlimited KM | 3 Year/Unlimited KM |
| LEAF SPRINGS | 4 Year/Unlimited KM | 3 Year/Unlimited KM |
| COIL SPRINGS (UP TO 2") | 4 Year/Unlimited KM | 3 Year/Unlimited KM |
| COIL SPRINGS (ABOVE 2") | 3 Year/Unlimited KM | 3 Year/Unlimited KM |
| UPPER CONTROL ARMS | 4 Year/Unlimited KM | 3 Year/Unlimited KM |
| AIR ASSIST PRODUCTS | 4 Year/Unlimited KM | 3 Year/Unlimited KM |
| WIRELESS AIR ASSIST | 3 Year/Unlimited KM | 2 Year/Unlimited KM |
| GVM UPGRADES | 4 Year/Unlimited KM | 3 Year/Unlimited KM |
| RECOVERY EQUIPMENT | 3 Year material & manufacture | 3 Year material & manufacture |

THREE YEARS COMMERCIAL WARRANTY UNLIMITED KM

## SELF FIT (DIY) SUSPENSIONS

DIY suspension fitment does not affect the warranty application or term as long as the following conditions are adhered to:

1. A fitting sheet is completed prior to the suspension being fitted and filed for later reference.
2. The above fitment sheet accurately and clearly includes bottom of rim to wheel arch measurements for all four corners of the vehicle both before and after fitment, as well as at the 500km check service.
3. U-Bolts must be replaced at the time of fitment. U-Bolts are a 'stretch fit' item, and should not be torqued to tightness twice. Re-using U-Bolts puts the vehicle and occupants at risk.

FOUR YEARS RECREATIONAL WARRANTY UNLIMITED KM

## WARRANTY LIMITS

4 Way Suspension Products Pty Ltd provides this product warranty which is limited to the repair or replacement of defective or faulty parts and does not include any costs incurred in labour for the removal or re-fitment of parts or damage incurred as a result of the product's fitment.

# OUR HISTORY

## MAKING TRACKS SINCE 1985

Tough Dog has been "making tracks across the world" since 1985, and have grown rapidly as a result of the excellent reputation their quality gear commands. Today, Tough Dog products are sought after the world over, and the distribution network spans 41 countries around the world. With some of the harshest conditions right here in Australia to test out products, the gear that makes it to the market is a cut above the rest.

In 2018, Tough Dog took up residence in the new Headquarters in Marsden Park. Featuring dedicated spaces for Research & Development, Design & Manufacture, and Bulk Production, the new home of Tough Dog marks the beginning of a new chapter in our international story. Our efforts in the export market were also recognised, with 3 runner-up positions and a win in the WSABE Excellence in Export category.

# HOW TO USE KIT BUILDER

## STEP 1 SELECT YOUR 4WD

Find the right Tough Dog suspension kit for any application has never been easier than with our Online kit builder. Head to **www.toughdog.com.au/Kit-Builder**
Just choose the vehicle, accessories, and shock choice that you need, and the suitable kits will be displayed! It could not be easier. If you're in Australia, you can even order your kit online, and collect it from your local authorised Tough Dog Dealer.

WHATS YOUR 4WD?

MAKE
TOYOTA

MODEL
HILUX

SERIES
GUN125R

YEAR
2021

FRONT SETUP
BULL BAR + WINCH

## STEP 2 SELECT WHAT IS YOUR REAR LOAD

LIGHT LOAD

MEDIUM LOAD

HEAVY LOAD

## STEP 3 SELECT YOUR SHOCK

FOAM CELL

BIG BORE RALPH

ADJUSTABLE

BIG BORE ADJUSTABLE

## STEP 4 ADD OPTIONAL ACCESSORIES

UPPER CONTROL ARMS

AIR ASSIST - AIR BAGS

## STEP 5 FIND YOUR NEAREST DEALER

ENTER YOUR POSTCODE
2765

Your complete kit will be delivered to your local dealer.

## FOAM CELL SHOCK

### SPECIFICATIONS

**Bore Size:** 40mm
**Rod Size:** 18mm
**Outer Casing:** 60mm

### FEATURES

- Foam cell technology
- Twin tube design
- Hydraulic rebound stop
- High temperature all weather oil
- Reinforced welded mounting points
- Multi stage velocity sensitive valving

## ADJUSTABLE SHOCK

### SPECIFICATIONS

**Bore Size:** 40mm
**Rod Size:** 18mm
**Outer Casing:** 60mm

### FEATURES

- 9 Stage adjustable settings
- Twin tube design
- Hydraulic rebound stop
- High temperature all weather oil
- Reinforced welded mounting points
- Adjustable internal bypass with foam cell sleeve

## BIG BORE ADJUSTABLE SHOCK

### SPECIFICATIONS

**Bore Size:** 45mm
**Rod Size:** 22mm
**Outer Casing:** 70mm

### FEATURES

- 9 Stage adjustable settings
- Twin tube design
- Hydraulic rebound stop
- High temperature all weather oil
- Reinforced welded mounting points
- Adjustable internal bypass with foam cell sleeve

## BIG BORE RALPH SHOCK

### SPECIFICATIONS

**Bore Size:** 50mm
**Rod Size:** 20mm
**Outer Casing:** 70mm

### FEATURES

- Foam cell technology
- Twin tube design
- Hydraulic rebound stop
- High temperature all weather oil
- Reinforced welded mounting points
- Multi stage velocity sensitive valving

# SPRINGS YOU CAN COUNT ON!

## COIL SPRINGS

Tough Dog Coil Springs are designed and manufactured in Australia to exacting standards to stand up to some of the harshest conditions found anywhere in the world.

Made from X5K spring steel, our coils are designed with less material while maintaining superior ride quality & load carrying characteristics. The spring retains its original memory even after heavy loading.

THE RESULT? A lighter, tougher coil that can handle just about anything you can throw at it.

- Shot Peened, Scragged and Load Tested for maximum durability
- Hot formed on precision mandrels to maintain spring memory
- Huge range of heights and load carrying options for most 4WD vehicles

## LEAF SPRINGS

Designed in Australia, Tough Dog leaf springs offer a spring pack for just about any application you might require. Our springs are a proven performer in any situation.

Tough Dog leaf springs are a truly progressive rate leaf spring. Each leaf is set slightly higher than the leaf above so there is contact along the whole length of each leaf.

There are single stage and two stage springs available for different applications. Primary and secondary stage leaves ensure that the vehicle's ride remains uncompromised. As the spring is compressed under load, the heavier second stage leaves come into play to prevent excessive sag & remove high stresses from the primary stage.

# VARYING LOAD? NO WORRIES!

Tough Dog airbags are designed to exacting standards to stand Up to some of the harshest conditions found anywhere in the world. If your load changes all the time, an **'Air Assist'** suspension system could be for you. 'Air Assist' springs are specifically designed to level out and control the rear ride height of your vehicle.

- Eliminates Sway & Body Roll
- Guards Against Excessive Compression When Loaded
- Laser Cut & Powder Coated Brackets
- Zinc Plated Roll Plates Top & Bottom
- No Drill Fitting (most applications)
- 4 Year / Unlimited Kilometre Warranty

**HEAVY DUTY RUBBER**

**5-100 PSI (Bellows)**
**5-60 PSI (Coil Insert)**

**NO DRILL FITTING**

**SUITS TOWING**

**SUITS HEAVY LOAD**

## BELLOW AIRBAGS

Tough Dog **'Air Assist'** rubber bellow airbags are designed for leaf spring vehicles where the load constantly varies. Made from heavy duty rubber bellows with crimped end caps, these bellows will withstand the harshest environments found anywhere in the world.

## COIL INSERT AIRBAGS

Tough Dog **'Air Assist'** high density polyurethane airbags are designed for coil sprung vehicles to assist with varying loads and towing applications. The heavy duty polyurethane bags can handle up to 60psi of pressure.

| PART NO | QTY | DESCRIPTION | RRP |
|---|---|---|---|
| | | **AIR ASSIST COMPONENTS** | |
| **TDAP-001** | 1 | Bellow Hard Airline | |
| **TDAP-002** | 1 | Poly Kit Soft Airline (5m) | |
| **TDAP-003** | 1 | Split tubing for airline (5m) | |
| **TDAP-004** | 1 | Poly Kit Bag of Parts | |
| **TDAP-005** | 1 | Bellow Kit Bag of Parts | |
| **TDAP-006** | 1 | Bellow Push to Connect Elbows | |
| **TDAP-007** | 1 | Airline Mounting Bracket to Trailer Plug (Left) | |
| **TDAP-008** | 1 | Airline Mounting Bracket to Trailer Plug (Right) | |
| **TDAP-009** | 1 | Exhaust Heat Shield Kit | |
| **TDAP-010** | 1 | Upper Spacer 25mm Spacer for Prado, MU-X, FJ, etc. | |
| **TDAP-011** | 1 | GU, GQ Patrol / 80, 100, 200 Series LandCruiser / 50mm LS / Convert SH to Raised | |
| **TDAP-012** | 1 | 79 Series LandCruiser - convert STD to raised (TDAA-121) | |
| **TDAP-015** | 1 | Replacement Bag For TDAA-001, 021, & 031 (Bag #46183) | |
| **TDAP-016** | 1 | Replacement Bag For TDAA-002 (Bag #46159) | |
| **TDAP-017** | 1 | Replacement Bag For TDAA-003 & 019 (Bag #48181) | |
| **TDAP-018** | 1 | Replacement Bag For TDAA-004, 008, 011, 014, & 017 (Bag #46176) | |
| **TDAP-019** | 1 | Replacement Bag For TDAA-005 (Bag #46185) | |
| **TDAP-020** | 1 | Replacement Bag For TDAA-006 (Bag #46186) | |
| **TDAP-021** | 1 | Replacement Bag For TDAA-007, 016, 022, 023 (Bag #46178) | |
| **TDAP-022** | 1 | Replacement Bag For TDAA-009 (Bag #46187) | |
| **TDAP-023** | 1 | Replacement Bag For TDAA-010 (Bag #46184) | |
| **TDAP-024** | 1 | Replacement Bag For TDAA-012 (Bag #46188) | |
| **TDAP-025** | 1 | Replacement Bag For TDAA-013 (Bag #46182) | |
| **TDAP-026** | 1 | Replacement Bag For TDAA-015 & 030 (Bag #46189) | |
| **TDAP-027** | 1 | Replacement Bag For TDAA-018 (Bag #46161) | |
| **TDAP-028** | 1 | Replacement Bag For TDAA-020 (Bag #46181) | |
| **TDAP-029** | 1 | Replacement Bag For TDAA-101-113, 126, & 131 (Bag #58437) | |
| **TDAP-030** | 1 | Replacement Bag For TDAA-114, 116, & 130 (Bag #58439) | |
| **TDAP-031** | 1 | Replacement Bag For TDAA-115 & 121 (Bag #58343) | |
| **TDAP-032** | 1 | Replacement Bag For TDAA-117, 118, 119, 120, 122, 123, 124, 125, & 134 (Bag #58407) | |
| **TDAP-033** | 1 | Airline Mounting Bracket to Trailer Plug (universal mount) | |
| **TDAP-034** | 1 | 50mm upper Spacer - OD 104mm x ID20mm x L50mm | |
| **TDAP-035** | 1 | Replacement Bag For TDAA-024, 025 (Bag #48179) | |
| **TDAP-036** | 1 | Upper/Lower spacer to suit TDAA-025, 024, 023, 022, 014, & 004 | |
| **TDAP-037** | 1 | Replacement Bag For TDAA-027, 028 (Bag #48178) | |

**TDAP-001**
Bellows Hard Airline

**TDAP-002**
5m Soft Airline Poly Kit

**TDAP-003**
5m Splittubing for Airline

**TDAP-007**
Left Airline Mounting
Bracket to Trailer Plug

**TDAP-033**
Universal Airline Mounting
Bracket to Trailer Plug

**TDAP-008**
Right Airline Mounting
Bracket to Trailer Plug

**TDAP-036**
Spacer

**TDAP-034**
50mm Spacer

**TDAP-011**
Spacer

**TDAP-009**
Exhaust Shield

**TDAP-012**
Bracket for LC79
Convert STD to Raised
(TDAA-121)

**TDAP-031**
Bellow
Replacement Bag
for TDAA-115 &121

**TDAP-015**
Coil
Replacement Bag
for TDAA-001 & 021

## TORSION BARS

Tough Dogs Performance 4WD Torsion Bars offer a spring rate that is aproximately 30% higher than OEM torison bars.
Optimise your 4WD's ride and handling characteristics with quality torsion bars from Tough Dog.

## PANHARD RODS

Adjustable panhard rods allow the axle to be re-centred under the vehicle after the height has been modified.
Tough Dog panhard rods are bent from a single solid bar for strength, and are adjustable to cover a broad range of vehicle heights.

## PINS & SHACKLES

Greasable pins and shackles help protect the bushes from premature wear because of the ingress of dirt and grit. Greasable components are particularly important to vehicles exposed to outback dust or high salt level environments like boat ramps and beach driving.

## U-BOLT KITS

When U-bolts are tightened to secure the leaf pack in the vehicle from factory, the metal is stretched as a normal part of this process. It is important that U-bolts be replaced when a suspension system is changed, as a stretched U-bolt has lost its integral strength. Tough Dog U-bolts are manufactured using high tensile steel & are designed with the correct length of thread for larger, heavy duty leaf spring packs.

## URETHANE BUSHES & SPACERS

Tough Dog urethane is stronger than rubber components and has greater longevity and resistance to deterioration from chemical exposure. Urethane bushes respond well to greasing during operation, and are created to retain flexibility for ride comfort.

Replacement urethane bushes are available for all Tough Dog leaf springs as well as for a range of other suspension bushing locations in vehicles.

## BRAKE HOSES

Extended brake lines become a requirement for larger lift vehicles to prevent damage from stretching the existing lines. Tough Dog offer a brake line solution in both a tradition rubber style as well as a steel braided line for improved brake pedal response and feel.

## STRUT TOPS

Strut Tops are available separately for most modern vehicles. These units are suitable for use with Tough Dog product and with original manufacturers struts as well.

## FITTING KITS

Tough Dog pays close attention to the fit and finish of every complete solution. We have a range of fitting brackets and vehicle specific components. Check out our complete catalogue listing for components to suit your vehicle.

Sway Bar Spacers

TDSP-010

TDSP-008

TDSK-021

TDSP-004-2

# STEERING DAMPERS

Quality steering components go a huge way to alleviating driver fatigue. Rough and unforgiving road surfaces can transfer through the wheels and Up to the steering wheel.

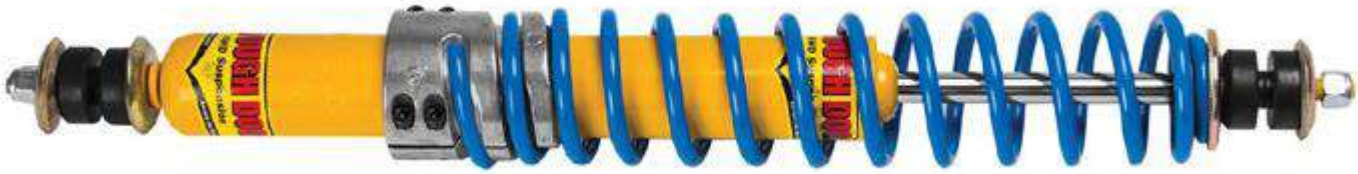
If you're constantly fighting to keep the vehicle on track, eventually that effort will take its toll. Tough Dog Steering Dampers are on your side when it comes to taming steering shimmy and shake.

## EXT

The Tough Dog EXT Steering Damper is our affordable, heavy duty replacement damper. Featuring a 35mm internal bore and our Foam Cell insert, this damper will give you control and feeling back in your steering set up.

## RTC

The 'Return-to-Centre' damper is designed to re-centre your steering and help reduce shimmy and shake caused by rough road surfaces, reducing driver fatigue and increasing vehicle control.



## XHD RTC

These dampers are designed for vehicles with greater than 100mm of lift running large diameter or aggressive tyres. These dampers come with all necessary brackets.

## SV

The 'SV' damper offers users the ability to adjust the damping force to suite driving style and vehicle requirements. Available for most live axle vehicles, and Up to 150mm lift in some applications.

## UPPER CONTROL ARMS

Tough Dog front upper control arms have been designed to restore OEM wheel alignment targets and cam-bolt settings for both camber and caster.

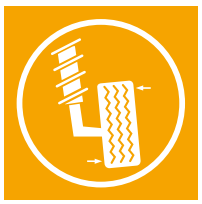
- Fixed length and position design - guards against accidental misalignment during offroad use.
- Slimline tube design and ball joint housing to maximize clearance.
- Chromoly steel ball joint
- 1020 Grade Forged Bushing & Ball Joint Housings for high strength.
- Heavy Duty, High flex style bushing design - requires no lubrication and maximizes bushing life.
- Factory brake line mounting locations included.
- Designed to accept OEM components as replacements if needed.

**IMPROVED CLEARANCE**

**HEAVY DUTY HIGH FLEX BUSHING**

**1020 GRADE FORGED HOUSING**

**CHROMOLY BALL JOINTS**



**CORRECTS CASTER & CAMBER**

## CASTOR CORRECTION

Castor is the angle to which the steering pivot axis is tilted forward or rearward from vertical, as viewed from the side. When a vehicle is lifted, the castor angle is adversely affected because of the change in the angles of the front radius arms.

Tough Dog provide a range of products to adjust camber from two degrees through to seven degrees to ensure a reliable straight steering feel is maintained at any lift height provided in the Tough Dog range.

## OFFSET CAMBER PINS

Camber adjustment on live axle LandCruisers and Patrols can require an offset camber pin to be fitted. Available in 0.5, 0.75, and 1 degree of offset, these pins can help eliminate excessive and uneven tyre wear.

# CARRY MORE - SAFELY & LEGALLY

TOUGH DOG GVM
CARRYING LOADS ACROSS AUSTRALIA

The allowable payload on most modern 4WDs seems great on paper, but gets quickly eaten up when accessories, gear and passengers get loaded in.

Remaining under the vehicles Gross Vehicle Mass (GVM) can seem like an impossible feat.

Tough Dog Suspension is a recognised Second Stage Manufacturer (SSM) which allows us to develop and federally certify components to increase your vehicle's GVM. Maximise your allowable payload without risking your roadworthiness!

Each complete GVM kit has been extensively tested to ensure ADR compliance is maintained.

## PRE-REGISTRATION VS POST-REGISTRATION

Certification of your GVM upgrade will occur on either a Federal or State level, depending on whether the vehicle has been registered or not.

Both Pre-Registration and Post-Registration kits must be supplied and installed through an authorised Tough Dog GVM installer.

When the GVM upgrade is completed prior to the first registration, the certification is done at a Federal level, and remains constant regardless of where in Australia the vehicle is registered. When you collect and drive your new vehicle for the first time - it will be recognised as a Tough Dog upgraded vehicle.

If your vehicle is already registered, you're still able to take advantage of our GVM upgrade kits - Post Registration kits contain the same components as their pre-registration brothers, but require an additional signoff by a state engineer. Your local Tough Dog GVM approved dealer can help with certification.

## SAFETY & PERFORMANCE BY DESIGN

Federal approval for GVM upgrades requires rigorous testing to ensure that the vehicle performs as well or better than when it left the original manufacturer. You can be sure that your Tough Dog GVM will stop and handle well, even with the increased load on board. Depending on the vehicle, testing is required for:

1. **Finite Element Analysis (FEA) testing:** A check of the maximum load carrying capacity of the vehicle's axles.
2. **Brake Testing:** Laden and Unladen brake testing as well as testing under partial system failure to comply with ADR35/06.
3. **ESC Testing:** If required, this test ensures that the ESC system's response is the same or better than the original vehicle.

## FEDERAL APPROVAL

Every GVM kit comes complete with everything required, including necessary certification paperwork.

## 4 YEAR WARRANTY*

- Specially Appointed Installers
- Complete Peace of Mind

**FIND YOUR NEAREST DEALER AT WWW.TOUGHDOG.COM.AU/DEALERLOCATOR**

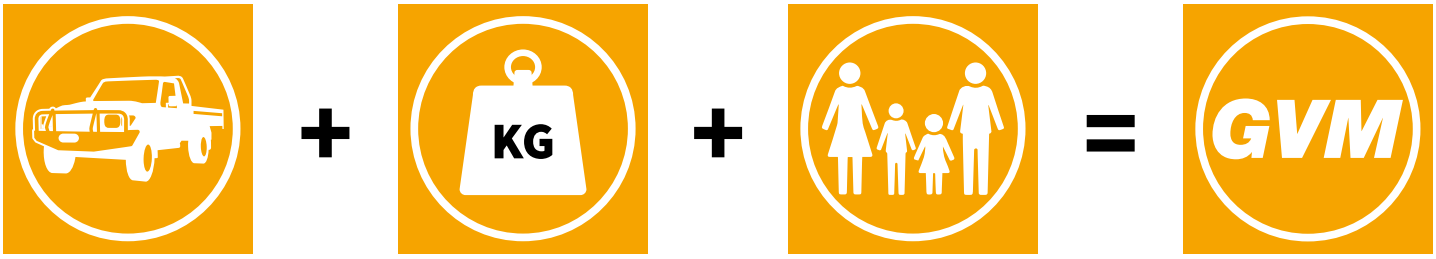
**CONTACT OUR DEDICATED TEAM: ENQUIRY@4WAYSUSPENSION.COM.AU**

GVM UPGRADES CAN ONLY BE ORDERED THROUGH A TOUGH DOG APPROVED GVM DEALER PORTAL

## WHAT IS A GVM UPGRADE?

The GVM, or Gross Vehicle Mass of any vehicle is the weight in kg that the manufacturer has specified as being the maximum that the vehicle can weigh when fully loaded. Tough Dog GVM upgrades allow a vehicle to be certified to carry a greater amount than the original manufacturer, without breaching applicable ADRs or laws.

GVM upgrades for new vehicles are undertaken at the Second Stage of Manufacture (SSM) to the vehicle (after the First Stage of Manufacture) and are only certifiable by the Federal Government via the Department of Infrastructure, Transport, Regional Development and Communications.




VEHICLE & ACCESSORIES + CARGO + DRIVER & PASSENGERS = GROSS VEHICLE MASS

## FEDERAL OR STATE APPROVAL

### PRE OR POST REGISTRATION

You can upgrade the GVM of a vehicle using either Federal approval or state based approval, depending on whether the vehicle has been registered or not. If the vehicle has never been registered, Federal approval can be applied, the GVM kit comes complete with an additional compliance plate which will be fixed to the vehicle.

If the vehicle is already registered, the evidence used in Federal compliance is used in conjunction with a vehicle inspection by an authorised state engineer to certify the vehicle. Federal compliance cannot be achieved on a vehicle that has already been registered.

## SAFETY FIRST NEVER OVERLOAD YOUR VEHICLE

### YOU MUST NOT EXCEED THE MAXIMUM CERTIFIED GVM

**ALWAYS BE AWARE OF:**

Fitment of a GVM Kit MUST be carried out by an Authorised Tough Dog fitting facility.
DIY fitment or fitment by a non-authorised fitting station will result in the kit not achieving certification.

**FRONT & REAR AXLE LOADS:**

The maximum load applied to the individual axles must not be exceeded. Tough Dog GVM kits specify the maximum axle loading in both the front and rear acles, the owner or operator is responsible to ensure the vehicle so as not to exceed the maximum rating per axle.

**TYRE LOAD RATINGS:**

Tyres fitted to the vehicles MUST meet or exceed the original tyre load ratings to remain compliant.
Compliance is the responsibily of the owner or operator.

**MINIMUM PAYLOAD**

Some Tough Dog GVM kits specify a minimum payload that the vehicle must achieve. This is a requirement of the kit.
Compliance testing is carried out to a minimum (unladen) and maximum (laden) weights.
The weight of the vehicle must fall within that window to remain compliant.

# COMPLETE SUSPENSION UPGRADES

# ASIA MOTORS

## ROCSTA

**07/1993-2000**

**NO SPRING AVAILABLE**

TOUGH DOG 4WD Suspension ... Making Tracks Across the World

## FRONT

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **NITROGEN GAS - SHOCK ABSORBER** | | | | |
| | OE Height | 2 | **BD1102T** | $ Ea |
| | 50mm Lift | 2 | **BD1104T** | $ Ea |
| | **40MM ADJUSTABLE - SHOCK ABSORBER** | | | |
| | OE Height | 2 | **BM401102** | $ Ea |
| | 50mm Lift | 2 | **BM401104** | $ Ea |

## REAR

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **NITROGEN GAS - SHOCK ABSORBER** | | | | |
| | OE Height | 2 | **BD1364T** | $ Ea |
| | 50mm Lift | 2 | **BD1366T** | $ Ea |
| | **40MM ADJUSTABLE - SHOCK ABSORBER** | | | |
| | OE Height | 2 | **BM401364** | $ Ea |
| | 50mm Lift | 2 | **BM401366** | $ Ea |

## STEERING DAMPER

| | | | | |
|---|---|---|---|---|
| | Steering Damper | 1 | **SD5700** | $ Ea |

## FRONT INDIVIDUAL COMPONENTS

| | | | | |
|---|---|---|---|---|
| | Urethane shackle bush kit | 1 | **TDUK-001** | $ Kt |
| | U-Bolt Kit | 2 | **TDUB-001** | $ Kt |

## REAR INDIVIDUAL COMPONENTS

| | | | | |
|---|---|---|---|---|
| | Urethane shackle bush kit | 1 | **TDUK-001** | $ Kt |
| | U-Bolt Kit | 2 | **TDUB-001** | $ Kt |

## FRONT REPLACEMENT BUSHES (QTY PER SHOCK)

| | | | | |
|---|---|---|---|---|
| | Fits top pin | 2 | **TW959** | $ Ea |
| | Fits bottom eyering | 1 | **404702** | $ Ea |

## REAR REPLACEMENT BUSHES (QTY PER SHOCK)

| | | | | |
|---|---|---|---|---|
| | Fits top & bottom eyering | 2 | **404702** | $ Ea |

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

# DAEWOO
## MUSSO

**07/1998-2002**
**EST. LIFT FRONT: 35MM | REAR: 35MM**

### FRONT

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **NITROGEN GAS - SHOCK ABSORBER** | | | | |
| | Up to 35mm Lift | 2 | **BD2057T** | $ Ea |
| BD2057T Is to be fitted to all applicationswhere a gas or adjustable shock is fitted to the rear | | | | |

### REAR

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **NITROGEN GAS - SHOCK ABSORBER** | | | | |
| | OE Height | 2 | **BD1104T** | $ Ea |
| | 35mm Lift | 2 | **BD1105T** | $ Ea |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | OE Height | 2 | **BM401104** | $ Ea |
| | 35mm Lift | 2 | **BM401105** | $ Ea |

### TORSION BARS

| | | | | |
|---|---|---|---|---|
| | 26mm/1040mm | 1 | **4WTB-1800** | $ Pr |
| Adjust Torsion Bars after fitting shocks - Ensure an minium of 60mm droop is maintained. | | | | |

### COIL SPRINGS

| | | | | |
|---|---|---|---|---|
| | 0-300kg load | 1 | **TDC100** | $ Pr |
| | CONSTANT 300kg load | 1 | **TDC100H** | $ Pr |

### FRONT REPLACEMENT BUSHES (QTY PER SHOCK)

| | | | | |
|---|---|---|---|---|
| | Fits top pin | 2 | **TW959** | $ Ea |
| | Fits bottom eyering | 1 | **412772** | $ Ea |

### REAR REPLACEMENT BUSHES (QTY PER SHOCK)

| | | | | |
|---|---|---|---|---|
| | Fits top pin | 2 | **TW959** | $ Ea |
| | Fits bottom eyering | 1 | **404702** | $ Ea |

ALL PRICES EXCLUDE FREIGHT. INCLUDE ONLY PERMANENT ACCESSORIES & WEIGHTS WHEN SELECTING SPRINGS. TOWING WEIGHT IS NOT INCLUDED

# DAIHATSU

**F10, F20, F50, F60. INC. SCAT**

**08/1975-1984**

**NO SPRING AVAILABLE**

## FRONT

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **NITROGEN GAS - SHOCK ABSORBER** | | | | |
| | OE Height | 2 | **BD1364T** | $ Ea |
| | 50mm Lift | 2 | **BD1366T** | $ Ea |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | OE Height | 2 | **BM401364** | $ Ea |
| | 50mm Lift | 2 | **BM401366** | $ Ea |

## REAR

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **NITROGEN GAS - SHOCK ABSORBER** | | | | |
| | OE Height | 2 | **BD1366T** | $ Ea |
| | 50mm Lift | 2 | **BD1382T** | $ Ea |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | OE Height | 2 | **BM401366** | $ Ea |
| | 50mm Lift | 2 | **BM401382** | $ Ea |

## FRONT INDIVIDUAL COMPONENTS

| | | | | |
|---|---|---|---|---|
| | Urethane shackle bush kit excluding F50 | 1 | **TDUK-019** | $ Kt |
| | Urethane shackle bush kit -F50 only | 1 | **TDUK-020** | $ Kt |
| | U-Bolt kit | 2 | **TDUB-027** | $ Kt |

## REAR INDIVIDUAL COMPONENTS

| | | | | |
|---|---|---|---|---|
| | Urethane shackle bush kit excluding F50 | 1 | **TDUK-019** | $ Kt |
| | Urethane shackle bush kit - F50 only | 1 | **TDUK-020** | $ Kt |
| | U-Bolt kit | 2 | **TDUB-027** | $ Kt |

## FRONT REPLACEMENT BUSHES (QTY PER SHOCK)

| | | | | |
|---|---|---|---|---|
| | Flts top & bottom eyering | 2 | **404702** | $ Ea |

## REAR REPLACEMENT BUSHES (QTY PER SHOCK)

| | | | | |
|---|---|---|---|---|
| | Flts top & bottom eyering | 2 | **404702** | $ Ea |

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

# DAIHATSU

**F25, F55, F65**

**02/1980-1984**

**NO SPRING AVAILABLE**

## FRONT

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **NITROGEN GAS - SHOCK ABSORBER** | | | | |
| | OE Height | 2 | **BD1366T** | $ Ea |
| | 50mm Lift | 2 | **BD1382T** | $ Ea |
| | **40MM ADJUSTABLE - SHOCK ABSORBER** | | | |
| | OE Height | 2 | **BM401366** | $ Ea |
| | 50mm Lift | 2 | **BM401382** | $ Ea |

## REAR

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **NITROGEN GAS - SHOCK ABSORBER** | | | | |
| | OE Height | 2 | **BD1400T** | $ Ea |
| | 50mm Lift | 2 | **BD1441T** | $ Ea |
| | **40MM ADJUSTABLE - SHOCK ABSORBER** | | | |
| | OE Height | 2 | **BM401400** | $ Ea |
| | 50mm Lift | 2 | **BM401441** | $ Ea |

## FRONT INDIVIDUAL COMPONENTS

| | | | | |
|---|---|---|---|---|
| | Urethane shackle bush kit | 1 | **TDUK-002** | $ Kt |
| | U-Bolt kit | 2 | **TDUB-027** | $ Kt |

## REAR INDIVIDUAL COMPONENTS

| | | | | |
|---|---|---|---|---|
| | Urethane shackle bush kit | 1 | **TDUK-023** | $ Kt |
| | U-Bolt kit | 2 | **TDUB-027** | $ Kt |

## FRONT REPLACEMENT BUSHES (QTY PER SHOCK)

| | | | | |
|---|---|---|---|---|
| | Fits top & bottom eyering | 2 | **404702** | $ Ea |

## REAR REPLACEMENT BUSHES (QTY PER SHOCK)

| | | | | |
|---|---|---|---|---|
| | Fits top eyering | 1 | **404702** | $ Ea |
| | Fits bottom pin | 2 | **TW959** | $ Ea |

# DAIHATSU

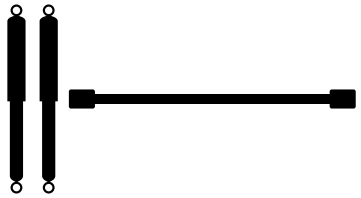
**FEROZA**
**CX12, F300 NARROW TRACK**
**10/1988-1998**
**EST. LIFT FRONT: 40MM | REAR: 40MM**

TOUGH DOG 4WD Suspension ... Making Tracks Across the World

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Torsion Bar | 1 | Pr |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **NITROGEN GAS - SHOCK ABSORBER** | | | | |
| | 40mm Lift | 2 | **BD2057T** | $ Ea |

BD2057T Is to be fitted to all applicationswhere a gas or adjustable shock is fitted to the rear

| TORSION BARS | | | | |
|---|---|---|---|---|
|  | 26mm/1093mm | 1 | **4WTB-0197** | $ Pr |

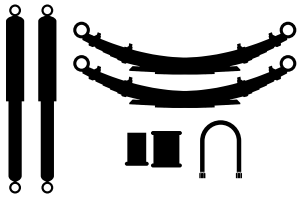
Adjust Torsion Bar after fitting shocks
- Ensure a minimum of 60mm droop is maintained.

| FRONT REPLACEMENT BUSHES (QTY PER SHOCK) | | | | |
|---|---|---|---|---|
| | Fits top pin | 2 | **TW959** | $ Ea |
| | Fits bottom eyering | 1 | **412772** | $ Ea |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Leaf Spring | 2 | Ea |
| Urethane Bush kit | 1 | Kt |
| U-Bolt | 2 | Kt |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **NITROGEN GAS - SHOCK ABSORBER** | | | | |
| | OE Height | 2 | **BD1102T** | $ Ea |
| | 40mm Lift | 2 | **BD1104T** | $ Ea |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | OE Height | 2 | **BM401102** | $ Ea |
| | 40mm Lift | 2 | **BM401104** | $ Ea |

| LEAF SPRINGS | | | | |
|---|---|---|---|---|
| | 0-300kg load | 2 | **T67** | $ Ea |

Check width of leaf springs when ordering.
T67 Leaf Springs have a width of 60mm

| REAR INDIVIDUAL COMPONENTS | | | | |
|---|---|---|---|---|
| | Urethane Shackle bush kit | 1 | **TDUK-003** | $ Kt |
| | U-Bolt kit | 2 | **TDUB-027** | $ Kt |

| REAR REPLACEMENT BUSHES (QTY PER SHOCK) | | | | |
|---|---|---|---|---|
| | Fits top pin | 2 | **TW959** | $ Ea |
| | Fits bottom eyering | 1 | **404702** | $ Ea |

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

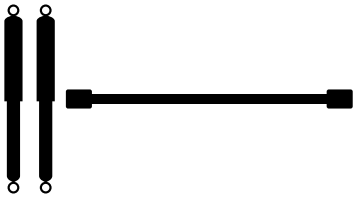
# DAIHATSU

**FEROZA II**
**F310 WIDE TRACK**
**04/1992-1998**
**EST. LIFT FRONT: 40MM | REAR: 40MM**

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Torsion Bar | 1 | Pr |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **NITROGEN GAS - SHOCK ABSORBER** | | | | |
| | Up to 40mm Lift | 2 | **BD2057T** | $ Ea |

BD2057T Is to be fitted to all applicationswhere a gas or adjustable shock is fitted to the rear

| TORSION BARS | | | | |
|---|---|---|---|---|
|  | 26mm/1093mm | 1 | **4WTB-0197** | $ Pr |

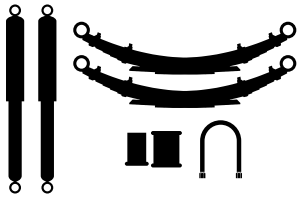
Adjust Torsion Bar after fitting shocks
- Ensure a minimum of 60mm droop is maintained.

| FRONT REPLACEMENT BUSHES (QTY PER SHOCK) | | | | |
|---|---|---|---|---|
| | Fits top pin | 2 | **TW959** | $ Ea |
| | Fits bottom eyering | 1 | **412772** | $ Ea |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Leaf Spring | 2 | Ea |
| Urethane Bush kit | 1 | Kt |
| U-Bolt | 2 | Kt |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **NITROGEN GAS - SHOCK ABSORBER** | | | | |
| | OE Height | 2 | **BD1005T** | $ Ea |
| | 40mm Lift | 2 | **BD1007T** | $ Ea |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | OE Height | 2 | **BM401005** | $ Ea |
| | 40mm Lift | 2 | **BM401007** | $ Ea |

| LEAF SPRINGS | | | | |
|---|---|---|---|---|
| | 0-300kg load | 2 | **T76** | $ Ea |

Check width of leaf springs when ordering.
T76 Leaf Springs have a width of 70mm

| REAR INDIVIDUAL COMPONENTS | | | | |
|---|---|---|---|---|
| | Urethane Shackle bush kit | 1 | **TDUK-022** | $ Kt |
| | U-Bolt kit | 2 | **TDUB-027** | $ Kt |

| REAR REPLACEMENT BUSHES (QTY PER SHOCK) | | | | |
|---|---|---|---|---|
| | Fits top & bottom pin | 4 | **TW959** | $ Ea |

ALL PRICES EXCLUDE FREIGHT. INCLUDE ONLY PERMANENT ACCESSORIES & WEIGHTS WHEN SELECTING SPRINGS. TOWING WEIGHT IS NOT INCLUDED

# DAIHATSU

**ROCKY**
**F77, F87 PICK UP & TRAYBACK**
**11/86-93**
**EST. LIFT FRONT: NO SPRING AVAILABLE**

## FRONT

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **NITROGEN GAS - SHOCK ABSORBER** | | | | |
| | OE Height | 2 | **BD1102TB** | $ Ea |
| | 40mm Lift | 2 | **BD1104TB** | $ Ea |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | OE Height | 2 | **BM401102** | $ Ea |
| | 40mm Lift | 2 | **BM401104** | $ Ea |

## REAR

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **NITROGEN GAS - SHOCK ABSORBER** | | | | |
| | OE Height | 2 | **BD1400T** | $ Ea |
| | 40mm Lift | 2 | **BD1441T** | $ Ea |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | OE Height | 2 | **BM401400** | $ Ea |
| | 40mm Lift | 2 | **BM401441** | $ Ea |

## FRONT INDIVIDUAL COMPONENTS

| | | | | |
|---|---|---|---|---|
| | Urethane Shackle bush kit | 1 | **TDUK-002** | $ Kt |
| | U-Bolt kit D/S (1 kit req. exc F77, F87 - 2 kits req) | 1 | **TDUB-002** | $ Kt |

## REAR INDIVIDUAL COMPONENTS

| | | | | |
|---|---|---|---|---|
| | Urethane Shackle bush kit exc. F77, F87 | 1 | **TDUK-003** | $ Kt |

## FRONT REPLACEMENT BUSHES (QTY PER SHOCK)

| | | | | |
|---|---|---|---|---|
| | Fits top pin | 2 | **TW959** | $ Ea |
| | Fits bottom eyering | 1 | **404702** | $ Ea |

## REAR REPLACEMENT BUSHES (QTY PER SHOCK)

| | | | | |
|---|---|---|---|---|
| | Fits bottom pin | 2 | **TW959** | $ Ea |
| | Fits top eyering | 1 | **404702** | $ Ea |

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

# DAIHATSU

**ROCKY**
**F70, F75/F80, F85/F77,F87**
**06/1984-1993 - F70, F75 | 06/1984-1989 - F80, F85**
**EST. LIFT FRONT: 40MM | REAR: 40MM**

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.

| | | | |
|---|---|---|---|
| Shock Absorber | 2 | Ea |
| Leaf spring | 2 | Ea |
| Urethane Bush kit | 1 | Kt |
| U-Bolt (Depending on Series) | 2 | Kt |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **NITROGEN GAS - SHOCK ABSORBER** | | | | |
| | OE Height | 2 | **BD1102TB** | $ Ea |
| | 40mm Lift | 2 | **BD1104TB** | $ Ea |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | OE Height | 2 | **BM401102** | $ Ea |
| | 40mm Lift | 2 | **BM401104** | $ Ea |

| | | | | |
|---|---|---|---|---|
| **LEAF SPRINGS (LWB)** | | | | |
| | 40mm Lift - Except F77, F8 -LWB | 1 | **T65-LH** | $ Ea |
| | | 1 | **T65-RH** | $ Ea |
| Please note 1 left hand & right hand side leaf spring pack should be ordered | | | | |
| **LEAF SPRINGS (SWB)** | | | | |
| | 40mm Lift - Except F77, F8 -SWB | 1 | **T65C-LH** | $ Ea |
| | | 1 | **T65C-RH** | $ Ea |
| Please note 1 left hand & right hand side leaf spring pack should be ordered | | | | |

| | | | | |
|---|---|---|---|---|
| **FRONT INDIVIDUAL COMPONENTS** | | | | |
| | Urethane Shackle bush kit | 1 | **TDUK-002** | $ Kt |
| | U-Bolt kit D/S (1 kit req. exc F77, F87 - 2 kits req) | 1 | **TDUB-002** | $ Kt |
| | U-Bolt kit P/S (1 kit req, exc F77,F87 - Not req) | 1 | **TDUB-027** | $ Kt |

| | | | | |
|---|---|---|---|---|
| **FRONT REPLACEMENT BUSHES (QTY PER SHOCK)** | | | | |
| | Fits top pin | 2 | **TW959** | $ Ea |
| | Fits bottom eyering | 1 | **404702** | $ Ea |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.

| | | | |
|---|---|---|---|
| Shock Absorber | 2 | Ea |
| Leaf spring | 2 | Ea |
| Urethane Bush kit | 1 | Kt |
| U-Bolt | 2 | Kt |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **NITROGEN GAS - SHOCK ABSORBER** | | | | |
| | OE Height | 2 | **BD1400T** | $ Ea |
| | 40mm Lift | 2 | **BD1104T** | $ Ea |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | OE Height | 2 | **BM401400** | $ Ea |
| | 40mm Lift | 2 | **BM401104** | $ Ea |

| | | | | |
|---|---|---|---|---|
| **LEAF SPRINGS (LWB)** | | | | |
| | 0-300kg Loa - Except F77, F8 -LWB | 2 | **T64** | $ Ea |
| **LEAF SPRINGS (SWB)** | | | | |
| | 0-300kg load - Except F77, F8 -SWB | 2 | **T64M** | $ Ea |

| | | | | |
|---|---|---|---|---|
| **REAR INDIVIDUAL COMPONENTS** | | | | |
| | Urethane Shackle bush kit exc. F77, F87 | 1 | **TDUK-003** | $ Kt |
| | U-Bolt kit | 2 | **TDUB-027** | $ Kt |

| | | | | |
|---|---|---|---|---|
| **REAR REPLACEMENT BUSHES (QTY PER SHOCK)** | | | | |
| | Fits bottom pin | 2 | **TW959** | $ Ea |
| | Fits top eyering | 1 | **404702** | $ Ea |

ALL PRICES EXCLUDE FREIGHT. INCLUDE ONLY PERMANENT ACCESSORIES & WEIGHTS WHEN SELECTING SPRINGS. TOWING WEIGHT IS NOT INCLUDED

# DAIHATSU

**ROCKY**
**F73, F78 (COIL SPRINGS)**
**08/1998-1999**
**EST. LIFT FRONT: 40MM | REAR: 40MM**

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.

| | | | |
|---|---|---|---|
| Shock Absorber | 2 | Ea |
| Torsion Bars | 1 | Pr |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | 40mm Lift | 2 | **FC42019B** | $ Ea |

Adjust Torsion Bar after fitting shocks
- Ensure a minimum of 60mm droop is maintained.

| **TORSION BARS** | | | | |
|---|---|---|---|---|
| | 26mm/1093mm | 1 | **4WTB-0198** | $ Pr |

Adjust Torsion Bar after fitting shocks
- Ensure a minimum of 60mm droop is maintained.

| **FRONT REPLACEMENT BUSHES (QTY PER SHOCK)** | | | | |
|---|---|---|---|---|
| | Fits top pin | 2 | **TW959** | $ Ea |
| | Fits bottom eyering | 1 | **412772** | $ Ea |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.

| | | | |
|---|---|---|---|
| Shock Absorber | 2 | Ea |
| Coil Springs | 1 | Pr |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | 40mm Lift | 2 | **FC41184** | $ Ea |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | 40mm Lift | 2 | **BM401184** | $ Ea |

| **COIL SPRINGS** | | | | |
|---|---|---|---|---|
| | 0-300kg load | 1 | **TDC066** | $ Pr |

| **REAR REPLACEMENT BUSHES (QTY PER SHOCK)** | | | | |
|---|---|---|---|---|
| | Fits top pin | 2 | **TW959** | $ Ea |
| | Fits bottom eyering | 2 | **4W-SPF420-02** | $ Ea |

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

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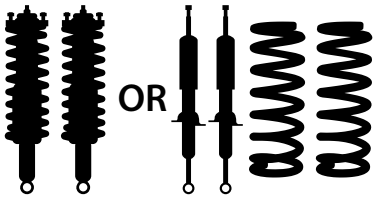
# FORD
## EVEREST
## UA
## 2015-08/2018
**EST. LIFT FRONT: 40MM | REAR: 40MM**

TOUGH DOG 4WD Suspension ... Making Tracks Across the World

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.




| | | |
|---|---|---|
| Assembled struts | 2 | Ea |
| OR | | |
| Struts | 2 | Ea |
| Coil Springs | 1 | Pr |
| Strut Top (Optional) | 2 | Ea |
| Upper Control arms (Optional) | 1 | Pr |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **ASSEMBLED STRUTS - FOAM CELL** | | | | |
| Assembled struts are made up of: 1 x strut, 1 x coil 1 x strut top | | | | |
| | Up to Steel bar | 1 | **MAZ-007-LH** | $ Ea |
| | | 1 | **MAZ-007-RH** | |
| | With bar & winch | 1 | **MAZ-008-LH** | $ Ea |
| | | 1 | **MAZ-008-RH** | |
| | **ASSEMBLED STRUTS - 40MM ADJUSTABLE** | | | |
| | Assembled struts are made up of: 1 x strut, 1 x coil 1 x strut top | | | |
| | Up to Steel bar | 1 | **MAZ-005-LH** | $ Ea |
| | | 1 | **MAZ-005-RH** | |
| | With bar & winch | 1 | **MAZ-006-LH** | $ Ea |
| | | 1 | **MAZ-006-RH** | |

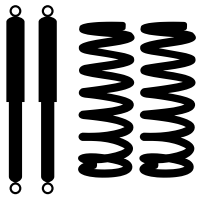
| | | | | |
|---|---|---|---|---|
| **STRUT - FOAM CELL** | | | | |
| | Up to 40mm Lift - Strut Only/ No Coil/ No Strut top | 2 | **FC404500** | $ Ea |
| | **STRUT - 40MM ADJUSTABLE** | | | |
| | Up to 40mm Lift - Strut Only/ No Coil/ No Strut top | 2 | **BM404500** | $ Ea |

| | | | | |
|---|---|---|---|---|
| **COIL SPRINGS** | | | | |
| | Up to Steel bar | 1 | **TDC452** | $ Pr |
| | With bar & winch | 1 | **TDC452HL** | $ Pr |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Coil Springs | 1 | Pr |
| Coil Insert Airbags (Optional) | 1 | Kt |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | Up to 40mm Lift | 2 | **FC43013** | $ Ea |
| | **40MM ADJUSTABLE - SHOCK ABSORBER** | | | |
| | Up to 40mm Lift | 2 | **BM403013** | $ Ea |

| | | | | |
|---|---|---|---|---|
| **COIL SPRINGS** | | | | |
| | 0-300kg load | 1 | **TDC453** | $ Pr |
| | CONSTANT 300kg load | 1 | **TDC453L** | $ Pr |

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

# FORD
## EVEREST
## UA
## 2015-08/2018
**EST. LIFT FRONT: 40MM | REAR: 40MM**

TOUGH DOG 4WD Suspension ... Making Tracks Across the World

## FRONT

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **UPPER CONTOL ARMS** | | | | |
| | Upper Control Arms | 1 | **TDCA-003** | $ 645 Pr |

Fitment of Tough Dog Upper Control arms to vehicles that have lifts fitted greater than 50mm may suffer from premature ball joint failure due to droop lengths. The use of strut spacers may also affect the performance and longevity of the UCA ball joint due to the limitations of the spherical bearing housing being breached or bound at full suspension droop. There will be no warranty either expressed or implied if the vehicle is used out of legal driving conditions that will include, but is not limited to, jumping of the vehicle.

## REAR

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **AIR ASSIST - COIL INSERT** | | | | |
| | Coil Insert Bag - OEM Height | 1 | **TDAA-014** | $ Kt |
| | Coil Insert Bag - 40mm Lift Height | 1 | **TDAA-004** | $ Kt |

**Note:** Separate Air Assist components can be viewed on page 14.

| UPPER CONTROL ARMS - REPLACEMENT COMPONENTS | | | | |
|---|---|---|---|---|
| | Bush Kit to fit one UCA - for TDCA-003 | 1 | **TDSK-003** | $ Ea |
| | Ball joint kit to fit one UCA - for TDCA-003 | 1 | **TDSK-004** | $ Ea |

| AIR ASSIST - COIL INSERT WIRELESS AIR SYSTEM | | | | |
|---|---|---|---|---|
| | Wireless Air System Suits Coil Insert Airbags | 1 | **TDAS-002** | $ Kt |

| FRONT INDIVIDUAL COMPONENTS | | | | |
|---|---|---|---|---|
| | Strut Top | 2 | **MAZ-4051** | $ Ea |

| FRONT REPLACEMENT BUSHES (QTY PER SHOCK) | | | | |
|---|---|---|---|---|
| | Fits bottom eyering | 1 | **ADJ00305** | $ Ea |

| REAR REPLACEMENT BUSHES (QTY PER SHOCK) | | | | |
|---|---|---|---|---|
| | Fits bottom eyering | 1 | **ADJ00312** | $ Ea |

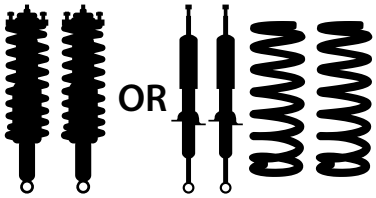
# FORD
## EVEREST
## UAII
## 08/2018-2022
**EST. LIFT FRONT: 40MM | REAR: 40MM**

TOUGH DOG 4WD Suspension ... Making Tracks Across the World

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.



| | | |
|---|---|---|
| Assembled struts | 2 | Ea |
| OR | | |
| Struts | 2 | Ea |
| Coil Springs | 1 | Pr |
| Strut Top (Optional) | 2 | Ea |
| Upper Control arms (Optional) | 1 | Pr |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **ASSEMBLED STRUTS - FOAM CELL** | | | | |
| Assembled struts are made up of: 1 x strut, 1 x coil 1 x strut top | | | | |
| | No Accessories | 1 | **FOR-007-LH** | $ Ea |
| | | 1 | **FOR-007-RH** | |
| | With bar / bar & winch | 1 | **FOR-008-LH** | $ Ea |
| | | 1 | **FOR-008-RH** | |
| | **ASSEMBLED STRUTS - 40MM ADJUSTABLE** | | | |
| | Assembled struts are made up of: 1 x strut, 1 x coil 1 x strut top | | | |
| | No Accessories | 1 | **FOR-005-LH** | $ Ea |
| | | 1 | **FOR-005-RH** | |
| | With bar / bar & winch | 1 | **FOR-006-LH** | $ Ea |
| | | 1 | **FOR-006-RH** | |

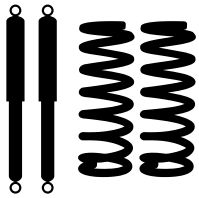
| | | | | |
|---|---|---|---|---|
| **STRUT - FOAM CELL** | | | | |
| | Up to 40mm Lift - Strut Only/ No Coil/ No Strut top | 2 | **FC404520** | $ Ea |
| | **STRUT - 40MM ADJUSTABLE** | | | |
| | Up to 40mm Lift - Strut Only/ No Coil/ No Strut top | 2 | **BM404520** | $ Ea |

| | | | | |
|---|---|---|---|---|
| **COIL SPRINGS** | | | | |
| | 40mm Lift-No Accessories | 1 | **TDC1006** | $ Pr |
| | 40mm Lift with Steel Bar or bar & Winch | 1 | **TDC1007** | $ Pr |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Coil Springs | 1 | Pr |
| Coil Insert Airbags (Optional) | 1 | Kt |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | Up to 40mm Lift | 2 | **FC43013** | $ Ea |
| | **40MM ADJUSTABLE - SHOCK ABSORBER** | | | |
| | Up to 40mm Lift | 2 | **BM403013** | $ Ea |

| | | | | |
|---|---|---|---|---|
| **COIL SPRINGS** | | | | |
| | 0-300kg load | 1 | **TDC453** | $ Pr |
| | CONSTANT 300kg load | 1 | **TDC453L** | $ Pr |

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

# FORD
## EVEREST
## UAII
## 08/2018-2022
## EST. LIFT FRONT: 40MM | REAR: 40MM

### FRONT

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **UPPER CONTOL ARMS** | | | | |
| | Upper Control Arms | 1 | **TDCA-003** | $ Pr |

Fitment of Tough Dog Upper Control arms to vehicles that have lifts fitted greater than 50mm may suffer from premature ball joint failure due to droop lengths. The use of strut spacers may also affect the performance and longevity of the UCA ball joint due to the limitations of the spherical bearing housing being breached or bound at full suspension droop. There will be no warranty either expressed or implied if the vehicle is used out of legal driving conditions that will include, but is not limited to, jumping of the vehicle.

### REAR

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **AIR ASSIST - COIL INSERT** | | | | |
| | Coil Insert Bag - Standard Height | 1 | **TDAA-014** | $ Kt |
| | Coil Insert Bag - 40mm lift | 1 | **TDAA-004** | $ Kt |

**Note:** Separate Air Assist components can be viewed on page 14.

| UPPER CONTROL ARMS - REPLACEMENT COMPONENTS | | | | |
|---|---|---|---|---|
| | Bush Kit to fit one UCA - for TDCA-003 | 1 | **TDSK-003** | $ Ea |
| | Ball joint kit to fit one UCA - for TDCA-003 | 1 | **TDSK-004** | $ Ea |

| AIR ASSIST - COIL INSERT WIRELESS AIR SYSTEM | | | | |
|---|---|---|---|---|
| | Wireless Air System Suits Coil Insert Airbags | 1 | **TDAS-002** | $ Kt |

| FRONT INDIVIDUAL COMPONENTS | | | | |
|---|---|---|---|---|
| | Strut Top | 2 | **FOR-4520** | $ Ea |
| | Bump Stop & Boot | 2 | **DB170/B** | $ Ea |

**Note:** Purchasing the Strut Top (FOR-4520) will require use of the original bumpstop and boot or purchase of a replacement bumpstop and boot (DB170/B) Contact 4Way Suspension to discuss.

| FRONT REPLACEMENT BUSHES (QTY PER SHOCK) | | | | |
|---|---|---|---|---|
| | Fits bottom eyering | 1 | **ADJ00306** | $ Ea |

| REAR REPLACEMENT BUSHES (QTY PER SHOCK) | | | | |
|---|---|---|---|---|
| | Fits bottom eyering | 1 | **ADJ00312** | $ Ea |

# FORD

**EVEREST**
**U704 EVEREST**
**05/2022 ON**
**EST. LIFT FRONT: 45MM | REAR: 45MM**

**IN DEVELOPMENT - COMING SOON**

# FORD

**EVEREST**
**U704 EVEREST**
**05/2022 ON**
**EST. LIFT FRONT: 45MM | REAR: 45MM**

**IN DEVELOPMENT - COMING SOON**

# FORD
## EXPLORER
## UN, UP, UQ
## 10/1996-2005
**NO SPRING AVAILABLE**

TOUGH DOG 4WD Suspension
... Making Tracks Across the World

| FRONT | | | | | REAR | | | | |
|---|---|---|---|---|---|---|---|---|---|
| CONTENT | DESCRIPTION | QTY | PART NO | RRP | CONTENT | DESCRIPTION | QTY | PART NO | RRP |
| FOAM CELL - SHOCK ABSORBER | | | | | FOAM CELL - SHOCK ABSORBER | | | | |
| | Up to 40mm Lift | 2 | **FC41450B** | $ Ea | | Up to 40mm Lift | 2 | **FC41446** | $ Ea |

**Note:** The “Limited” comes standard with (self levelling) air shocks. These can be retained or removed as desired.
If the (self levelling) air shocks are removed, the self levelling indicator light in the dash will turn on and off intermittently.
The air hoses should be sealed off and fastened to the chassis for later use if needed. The Air Compressor MUST be turned off.
The switch is located in theleft rear inspection console. If futher electrical work is required, please consult an automotive electrican.

# FORD

**BRONCO**
**THIRD GENERATION**
**03/1981-1989**
**NO SPRING AVAILABLE**

## FRONT

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER (EX QUAD SHOCKS)** | | | | |
| | Up to 30mm Lift | 2 | **FC41130B** | $ Ea |

## REAR

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | Up to 30mm Lift | 2 | **FC41379** | $ Ea |

| FOAM CELL - SHOCK ABSORBER (QUAD SHOCKS ONLY) | | | | |
|---|---|---|---|---|
| | OE Height - Front of Axle | 2 | **FC41102B** | $ Ea |
| | OE Height - Rear of Axle | 2 | **FC41130B** | $ Ea |

| FRONT REPLACEMENT BUSHES (QTY PER SHOCK) | | | | |
|---|---|---|---|---|
| | Fits top pin (#1102B Only) | 2 | **TW959** | $ Ea |
| | Fits bottom eyering (#1102B Only) | 1 | **404702** | $ Ea |

| REAR REPLACEMENT BUSHES (QTY PER SHOCK) | | | | |
|---|---|---|---|---|
| | Fits top eyering | 1 | **404702** | $ Ea |
| | Fits bottom eyering | 1 | **4W-SPF420-04** | $ Ea |

# FORD
## F150

**2015-2020**
**EST. LIFT FRONT: 50MM | REAR: 50MM**

TOUGH DOG 4WD Suspension ... Making Tracks Across the World

## FRONT

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **STRUT - FOAM CELL** | | | | |
| | Up to 50mm Lift - Strut Only/ No Coil/ No Strut top | 2 | **FC404928** | $ Ea |
| **STRUT - 40MM ADJUSTABLE** | | | | |
| | Up to 50mm Lift - Strut Only/ No Coil/ No Strut top | 2 | **BM404928** | $ Ea |

## REAR

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | Up to 50mm Lift | 2 | **FC43034** | $ Ea |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | Up to 50mm Lift | 2 | **BM403034** | $ Ea |

## COIL SPRINGS

| | | | | |
|---|---|---|---|---|
| | No accessories | 1 | **TDC1035** | $ Pr |
| | With Bar or Bar & Winch | 1 | **TDC1036** | $ Pr |

## LEAF SPRINGS

**Note:** Bush kit fitted in springs & included in spring price

| | | | | |
|---|---|---|---|---|
| | 0-400kg load | 2 | **T83** | $ Ea |
| | CONSTANT 400kg load | 2 | **T84** | $ Ea |

## REAR INDIVIDUAL COMPONENTS

| | | | | |
|---|---|---|---|---|
| | U-Bolt Kit | 2 | **TDUB-033** | $ Kt |

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

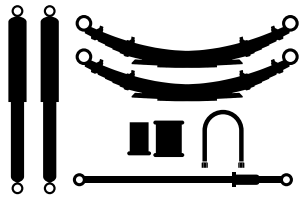
# FORD

**F250**
**LIVE AXLE, QUAD REAR**
**2003-2006**
**EST. LIFT FRONT: 100MM | REAR: 100MM**

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.

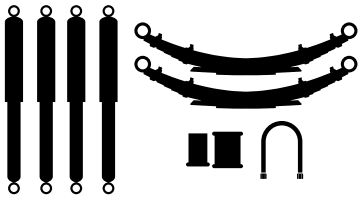


| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Leaf Spring | 2 | Ea |
| Leaf spring bush Kit | 1 | Kt |
| U-bolt | 2 | Kt |
| Panhard rod | 1 | Ea |
| Steering Damper (Optional) | 1 | Ea |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 4 | Ea |
| Leaf Spring | 2 | Ea |
| Leaf spring bush | 1 | Kt |
| U-bolt | 2 | Kt |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **RALPH - SHOCK ABSORBER** | | | | |
| | OE Height | 2 | **TDR3500** | $ Ea |
| **45MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | 100mm Lift | 2 | **BMX3500/4** | $ Ea |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **45MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | OE Height - Front of rear axle | 2 | **BMX3501** | $ Ea |
| | OE Height - Rear of rear axle | 2 | **BMX3502** | $ Ea |
| | 100mm Lift - Front of rear axle | 2 | **BMX3501/4** | $ Ea |
| | 100mm Lift - Rear of rear axle | 2 | **BMX3502/4** | $ Ea |

| LEAF SPRINGS | | | | |
|---|---|---|---|---|
| | 100mm Lift - Up to Steel bar | 2 | **FS026** | $ Ea |
| | 100mm Lift - with Bar & Winch | 2 | **FS026H** | $ Ea |

| LEAF SPRINGS | | | | |
|---|---|---|---|---|
| | 0-500kg load | 2 | **FS027** | $ Ea |
| | CONSTANT 500kg load | 2 | **FS027H** | $ Ea |

| STEERING DAMPER | | | | |
|---|---|---|---|---|
| | XHD Return to Center | 1 | **SS5250-XHD** | $ Ea |
| | 9 Stage Adjustable | 1 | **SV5250** | $ Ea |

**Note:** When fitted to OE Height vehicles, low ground clearance occurs

| PANHARD RODS | | | | |
|---|---|---|---|---|
| | Adjustable | 1 | **TDPR-250** | $ Ea |

| FRONT INDIVIDUAL COMPONENTS | | | | |
|---|---|---|---|---|
| | Shackle Bushes - fitted to springs, but not included in spring price | 1 | **TDUK-064** | $ Kt |
| | U-Bolt Kit | 2 | **TDUB-033** | $ Kt |

| REAR INDIVIDUAL COMPONENTS | | | | |
|---|---|---|---|---|
| | Shackle Bushes - fitted to springs, but not included in spring price | 1 | **TDUK-064** | $ Kt |
| | U-Bolt Kit | 2 | **TDUB-034** | $ Kt |

| FRONT REPLACEMENT BUSHES (QTY PER SHOCK) | | | | |
|---|---|---|---|---|
| | Fits top eyering | 1 | **TW038-16** | $ Ea |
| | Fits bottom eyering | 1 | **TW038-12** | $ Ea |

| REAR REPLACEMENT BUSHES (QTY PER SHOCK) | | | | |
|---|---|---|---|---|
| | Fits top eyering | 1 | **TW038-16** | $ Ea |
| | Fits bottom eyering | 1 | **TW038-12** | $ Ea |

ALL PRICES EXCLUDE FREIGHT. INCLUDE ONLY PERMANENT ACCESSORIES & WEIGHTS WHEN SELECTING SPRINGS. TOWING WEIGHT IS NOT INCLUDED

# FORD
## F250

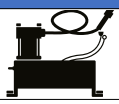
**2016-2020**
**EST. LIFT FRONT: OE HEIGHT | REAR: OE HEIGHT**

### FRONT

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **45MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | OE Height | 2 | **BMX3507** | $ Ea |

### REAR

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **45MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | OE Height | 2 | **BMX3508** | $ Ea |

| | | | | |
|---|---|---|---|---|
| **AIR ASSIST - BELLOWS** | | | | |
| | Bellows Bag Kit OE Height | 1 | **TDAA-129** | $ Kt |
| **Note:** Separate Air Assist components can be viewed on page 14. | | | | |
| **AIR ASSIST - BELLOWS WIRELESS AIR SYSTEM** | | | | |
|  | Wireless Air System Suits Bellows Airbags | 1 | **TDAS-001** | $ Kt |

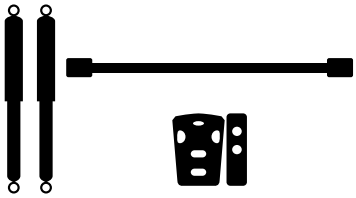
# FORD

**COURIER**
**PC, PD, PE, PG & PH**
**05/1987-10/2006**
**EST. LIFT FRONT: 40MM | REAR: 40MM**

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Torsion Bars | 1 | Pr |
| Shock Mount strengthening kit | 1 | Ea |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | Up to 40mm Lift | 2 | **FC42051B** | $ Ea |
| **Note:** FC42051B is to be used for all front applications | | | | |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **TORSION BARS** | | | | |
|  | 26mm / 926mm | 1 | **4WTB-1546** | $ Pr |
| Adjust torsion bars after fitting shocks - Ensure a minimum of 60mm droop is maintained. | | | | |

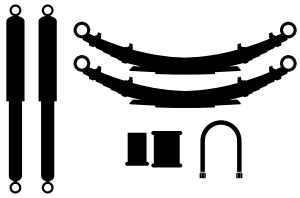
| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FRONT INDIVIDUAL COMPONENTS** | | | | |
| | Shock Mount Strengthening kit | 1 | **TDSK-020** | $ Ea |
| Failure to fit TDSK-020 will cause top mount failure. | | | | |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FRONT REPLACEMENT BUSHES (QTY PER SHOCK)** | | | | |
| | Fits Top pin | 1 | **TW959** | $ Ea |
| | Fits Top pin | 1 | **TW961** | $ Ea |
| | Fits bottom eyering | 1 | **4W-SPF420-02** | $ Ea |

## REAR

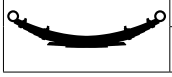
### REAR SUSPENSION CHECK LIST

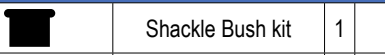
You need to order the following items for the front end of your vehicle.

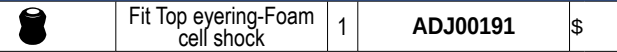


| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Leaf Springs | 2 | Ea |
| Leaf Spring Bushes | 1 | Kt |
| U-Bolts | 2 | Kt |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | Up to 40mm Lift | 2 | **FC41232** | $ Ea |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | Up to 40mm Lift | 2 | **BM401232** | $ Ea |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **LEAF SPRINGS** | | | | |
|  | 0-300kg load | 2 | **FS365** | $ Ea |
| | CONSTANT 300kg load | 2 | **FS367** | $ Ea |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **REAR INDIVIDUAL COMPONENTS** | | | | |
|  | Shackle Bush kit | 1 | **TDUK-034** | $ Kt |
| | U-Bolt kit | 2 | **TDUB-005** | $ Kt |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **REAR REPLACEMENT BUSHES (QTY PER SHOCK)** | | | | |
|  | Fit Top eyering-Foam cell shock | 1 | **ADJ00191** | $ Ea |
| | Fit Bottom eyering-Foam cell shock | 1 | **4W-SPF420-02** | $ Ea |
| | Fit Top eyering-Adjustable shock | 1 | **230100** | $ Ea |
| | Fit Bottom eyering-Adjustable shock | 1 | **230002** | $ Ea |

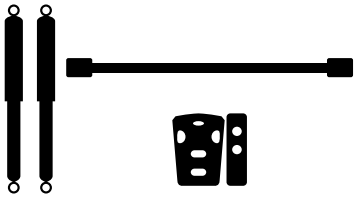
# FORD

**RANGER**
**PJ & PK, 2.5L & 3.0L**
**12/2006-10/2011**
**EST. LIFT FRONT: 45MM | REAR: 45MM**

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Shock Mount strengthing kit | 1 | Ea |
| Torsion bars | 1 | Pr |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | Up to 45mm Lift | 2 | **FC42051B** | $ Ea |

**Note:** FC42051B is to be used for all front applications

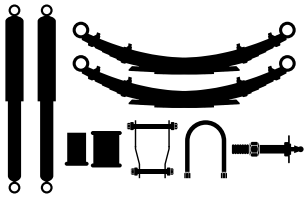
| TORSION BARS | | | | |
|---|---|---|---|---|
|  | 27mm / 1028mm | 1 | **4WTB-1440** | $ Pr |

**Note:** Adjust torsion bars after fitting shocks
- ensure a minimum of 60mm droop is maintatined

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Leaf Springs | 2 | Ea |
| Leaf Spring Fitment kit (Based on leaf spring choice) | 1 | Kt |
| Bellows Airbags (Optional) | 1 | Kt |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | Up to 45mm Lift | 2 | **FC41232** | $ Ea |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | Up to 45mm Lift | 2 | **BM401232** | $ Ea |

| LEAF SPRINGS | | | | |
|---|---|---|---|---|
| | 0-300kg load | 1 | **FS368C-LH** | $ Ea |
| | | 1 | **FS368C-RH** | $ Ea |
| | CONSTANT 300kg load | 1 | **FS368L-LH** | $ Ea |
| | | 1 | **FS368L-RH** | $ Ea |

**Note:** 1 Left hand and 1 right hand side leaf spring pack should be ordered.

| LEAF SPRING FITMENT KIT - FOR FS368L | | | | | |
|---|---|---|---|---|---|
| | Urethane Shackle bushes | 1 | **TDFK-001** | TDUK-069 | $ Kt |
| | U-Bolts | 2 | | TDUB-039 | |
| | Greaseable Shackles | 1 | | TDGS-386/1 | |
| | Greaseable Pins | 1 | | TDGP-668 | |
| **LEAF SPRING FITMENT KIT - FOR FS368C** | | | | | |
| | Urethane Shackle bushes | 1 | **TDFK-002** | TDUK-069 | $ Kt |
| | U-Bolts | 2 | | TDUB-040 | |
| | Greaseable Shackles | 1 | | TDGS-386/1 | |
| | Greaseable Pins | 1 | | TDGP-668 | |

Kit includes Urethane Shackle bushes, U-Bolts, Greaseable Shackles & Pins and any other essential items required to fit leaf springs.

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

# FORD

**RANGER**
**PJ & PK, 2.5L & 3.0L**
**12/2006-10/2011**
**EST. LIFT FRONT: 45MM | REAR: 45MM**

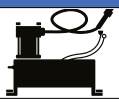
## FRONT

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|

## REAR

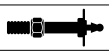
| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **AIR ASSIST - BELLOWS WIRELESS AIR SYSTEM** | | | | |
| | Bellows bag - OEM Height | 1 | **TDAA-117** | $ Kt |
| | Bellows bag - 45mm lift | 1 | **TDAA-101** | $ Kt |

**Note:** Separate Air Assist components can be viewed on page 14.

| AIR ASSIST - BELLOWS WIRELESS AIR SYSTEM | | | | |
|---|---|---|---|---|
|  | Wireless Air System Suits Bellows Airbags | 1 | **TDAS-001** | $ Kt |

| FRONT INDIVIDUAL COMPONENTS | | | | |
|---|---|---|---|---|
| | Shock Mount Strengthening kit | 1 | **TDSK-020** | $ Ea |

**Note:** Failure to fit TDSK-020 will cause top mount failure.

| REAR INDIVIDUAL COMPONENTS | | | | |
|---|---|---|---|---|
| | Shackle Bush kit | 1 | **TDUK-069** | $ Kt |
| | U-Bolt kit - suits FS368C LH & RH only | 2 | **TDUB-040** | $ Kt |
| | U-Bolt kit - suits FS368L LH & RH only | 2 | **TDUB-039** | $ Kt |
| | Greaseable Shackle kit | 1 | **TDGS-386/1** | $ Kt |
|  | Greaseable Pin kit | 1 | **TDGP-668** | $ Kt |

| FRONT REPLACEMENT BUSHES (QTY PER SHOCK) | | | | |
|---|---|---|---|---|
| | Fits Top pin | 1 | **TW959** | $ Ea |
| | Fits Top pin | 1 | **TW961** | $ Ea |
| | Fits bottom eyering | 1 | **4W-SPF420-02** | $ Ea |

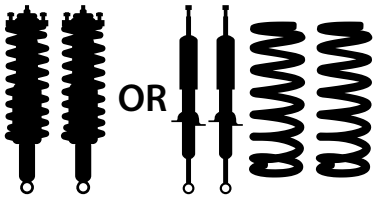
| REAR REPLACEMENT BUSHES (QTY PER SHOCK) | | | | |
|---|---|---|---|---|
| | Fits Top eyering - Foam cell shock | 1 | **ADJ00191** | $ Ea |
| | Fits Bottom eyering - Foam cell shock | 1 | **4W-SPF420-02** | $ Ea |
| | Fits Top eyering - Adjustable shock | 1 | **230100** | $ Ea |
| | Fits Bottom eyering - Adjustable shock | 1 | **230002** | $ Ea |

# FORD
## RANGER
## PX - PXII
## 11/2011 - 08/2018
**EST. LIFT FRONT: 40MM | REAR: 40MM**

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.

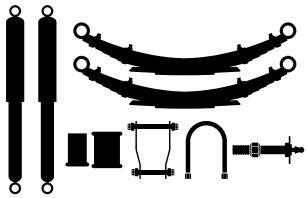



| | | |
|---|---|---|
| Assembled struts | 2 | Ea |
| OR | | |
| Struts | 2 | Ea |
| Coil Springs | 1 | Pr |
| Strut Top (Optional) | 2 | Ea |
| Upper Control arms (Optional) | 1 | Pr |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Leaf Springs | 2 | Ea |
| Leaf Spring Fitment Kit (Based on leaf spring choice) | 1 | Kt |
| Bellows Airbags (Optional) | 1 | Kt |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **ASSEMBLED STRUTS - FOAM CELL** | | | | |
| Assembled struts are made up of: 1 x strut, 1 x coil 1 x strut top | | | | |
| | Up to Steel bar | 1 | **MAZ-003-LH** | $ Ea |
| | | 1 | **MAZ-003-RH** | |
| | With bar & winch | 1 | **MAZ-004-LH** | $ Ea |
| | | 1 | **MAZ-004-RH** | |
| | **ASSEMBLED STRUTS - 40MM ADJUSTABLE** | | | |
| | Assembled struts are made up of: 1 x strut, 1 x coil 1 x strut top | | | |
| | Up to Steel bar | 1 | **MAZ-001-LH** | $ Ea |
| | | 1 | **MAZ-001-RH** | |
| | With bar & winch | 1 | **MAZ-002-LH** | $ Ea |
| | | 1 | **MAZ-002-RH** | |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | Up to 40mm Lift | 2 | **FC41232** | $ Ea |
| | **40MM ADJUSTABLE - SHOCK ABSORBER** | | | |
| | Up to 40mm Lift | 2 | **BM401232** | $ Ea |

| | | | | |
|---|---|---|---|---|
| **STRUT - FOAM CELL** | | | | |
| | Up to 40mm Lift - Strut Only/ No Coil/ No Strut top | 2 | **FC404500** | $ Ea |
| | **STRUT - 40MM ADJUSTABLE** | | | |
| | Up to 40mm Lift - Strut Only/ No Coil/ No Strut top | 2 | **BM404500** | $ Ea |

| | | | | |
|---|---|---|---|---|
| **COIL SPRINGS** | | | | |
| | Up to Steel bar | 1 | **TDC451** | $ Pr |
| | With Steel Bar & Winch | 1 | **TDC451HL** | $ Pr |

| | | | | |
|---|---|---|---|---|
| **LEAF SPRINGS** | | | | |
| | 0-300kg load | 2 | **FS369C** | $ Ea |
| | CONSTANT 300kg load | 2 | **FS369L** | $ Ea |
| | CONSTANT 500kg load | 2 | **FS369LL** | $ Ea |

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

# FORD
## RANGER
## PX - PXII
## 11/2011 - 08/2018
**EST. LIFT FRONT: 40MM | REAR: 40MM**

TOUGH DOG 4WD Suspension ... Making Tracks Across the World

## FRONT

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|

## REAR

| CONTENT | DESCRIPTION | QTY | PART NO | | RRP |
|---|---|---|---|---|---|
| **LEAF SPRING FITMENT KIT - FITS FS369L & LL** | | | | | |
| | Urethane Shackle bushes | 1 | | TDUK-070 | |
| | U-Bolts | 2 | | TDUB-039 | |
| | Greaseable Shackles | 1 | **TDFK-003** | TDGS-390 | $ Kt |
| | Greaseable Pins | 1 | | TDGP-668 | |
| | Transmission Spacer | 1 | | TDSP-007 | |
| **LEAF SPRING FITMENT KIT - FITS FS369C** | | | | | |
| | Urethane Shackle bushes | 1 | | TDUK-070 | |
| | U-Bolts | 2 | | TDUB-040 | |
| | Greaseable Shackles | 1 | **TDFK-004** | TDGS-390 | $ Kt |
| | Greaseable Pins | 1 | | TDGP-668 | |
| | Transmission Spacer | 1 | | TDSP-007 | |

## UPPER CONTROL ARMS

| | | | | |
|---|---|---|---|---|
| Upper Control Arms | 1 | **TDCA-003** | $ | Pr |

Fitment of Tough Dog Upper Control arms to vehicles that have lifts fitted greater than 50mm may suffer from premature ball joint failure due to droop lengths. The use of strut spacers may also affect the performance and longevity of the UCA ball joint due to the limitations of the spherical bearing housing being breached or bound at full suspension droop. There will be no warranty either expressed or implied if the vehicle is used out of legal driving conditions that will include, but is not limited to, jumping of the vehicle.

## AIR ASSIST - BELLOWS

| | | | | |
|---|---|---|---|---|
| Bellows Bag kit - Standard Height | 1 | **TDAA-116** | $ | Kt |
| Bellows Bag kit - 40mm lift | 1 | **TDAA-102** | $ | Kt |

**Note:** Separate Air Assist components can be viewed on page 14.

## UPPER CONTROL ARMS - REPLACEMENT COMPONENTS

| | | | | |
|---|---|---|---|---|
| Bush Kit to fit one UCA - for TDCA-003 | 1 | **TDSK-003** | $ | Ea |
| Ball joint kit to fit one UCA - for TDCA-003 | 1 | **TDSK-004** | $ | Ea |

## AIR ASSIST - BELLOWS WIRELESS AIR SYSTEM

| | | | | |
|---|---|---|---|---|
| Wireless Air System Suits Bellows Airbags | 1 | **TDAS-001** | $ | Kt |

## FRONT INDIVIDUAL COMPONENTS

| | | | | |
|---|---|---|---|---|
| Strut Top | 2 | **MAZ-4051** | $ | Ea |

## REAR INDIVIDUAL COMPONENTS

| | | | | |
|---|---|---|---|---|
| Urethane Shackle Bush kit | 1 | **TDUK-070** | $ | Kt |
| U-Bolt kit - Suits FS369C only | 2 | **TDUB-040** | $ | Kt |
| U-Bolt kit - Suits FS369L & LL only | 2 | **TDUB-039** | $ | Kt |
| Greaseable Shackle kit | 1 | **TDGS-390** | $ | Kt |
| Greaseable Pin kit | 1 | **TDGP-668** | $ | Kt |
| Transmission Spacer kit | 1 | **TDSP-007** | $ | Kt |

**Note:** Must be fitted to all lift kits.

## FRONT REPLACEMENT BUSHES (QTY PER SHOCK)

| | | | | |
|---|---|---|---|---|
| Fits Bottom Eyering | 1 | **ADJ00305** | $ | Ea |

## REAR REPLACEMENT BUSHES (QTY PER SHOCK)

| | | | | |
|---|---|---|---|---|
| Fits Top Eyering - Foam cell shock | 1 | **ADJ00191** | $ | Ea |
| Fits Bottom eyering - Foam cell shock | 1 | **4W-SPF420-02** | $ | Ea |
| Fits Top Eyering - Adjustable shock | 1 | **230100** | $ | Ea |
| Fits Bottom eyering - Adjustable shock | 1 | **230002** | $ | Ea |

ALL PRICES EXCLUDE FREIGHT. INCLUDE ONLY PERMANENT ACCESSORIES & WEIGHTS WHEN SELECTING SPRINGS. TOWING WEIGHT IS NOT INCLUDED

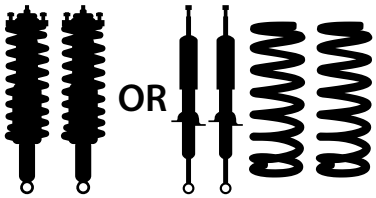
# FORD
## RANGER
## PXIII
## 08/2018 - 07/2022
**EST. LIFT FRONT: 40MM | REAR: 40MM**

TOUGH DOG 4WD Suspension ... Making Tracks Across the World

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.

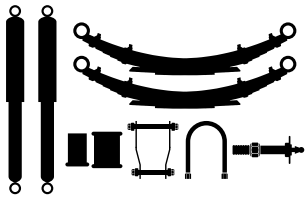



| | | |
|---|---|---|
| Assembled struts | 2 | Ea |
| OR | | |
| Struts | 2 | Ea |
| Coil Springs | 1 | Pr |
| Strut Top (Optional) | 2 | Ea |
| Upper Control arms (Optional) | 1 | Pr |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Leaf Springs | 2 | Ea |
| Leaf Spring Fitment Kit (Based on leaf spring choice) | 1 | Kt |
| Bellows Airbags (Optional) | 1 | Kt |

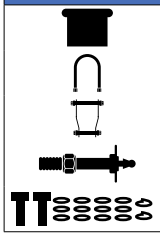
| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **ASSEMBLED STRUTS - FOAM CELL** | | | | |
| Assembled struts are made up of: 1 x strut, 1 x coil 1 x strut top | | | | |
| | Up to Steel bar | 1 | FOR-003-LH | $ Ea |
| | | 1 | FOR-003-RH | |
| | With Steel Bar & Winch | 1 | FOR-004-LH | $ Ea |
| | | 1 | FOR-004-RH | |
| | **ASSEMBLED STRUTS - 40MM ADJUSTABLE** | | | |
| | Assembled struts are made up of: 1 x strut, 1 x coil 1 x strut top | | | |
| | Up to Steel bar | 1 | FOR-001-LH | $ Ea |
| | | 1 | FOR-001-RH | |
| | With Steel Bar & Winch | 1 | FOR-002-LH | $ Ea |
| | | 1 | FOR-002-RH | |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | Up to 40mm Lift | 2 | FC41232 | $ Ea |
| | **40MM ADJUSTABLE - SHOCK ABSORBER** | | | |
| | Up to 40mm Lift | 2 | BM401232 | $ Ea |

| STRUT - FOAM CELL | | | | |
|---|---|---|---|---|
| | Up to 40mm Lift - Strut Only/ No Coil/ No Strut top | 2 | FC404520 | $ Ea |
| | **STRUT - 40MM ADJUSTABLE** | | | |
| | Up to 40mm Lift - Strut Only/ No Coil/ No Strut top | 2 | BM404520 | $ Ea |

| COIL SPRINGS | | | | |
|---|---|---|---|---|
| | Up to Steel Bar | 1 | TDC455 | $ Pr |
| | With Steel Bar & Winch | 1 | TDC455HL | $ Pr |

| LEAF SPRINGS | | | | |
|---|---|---|---|---|
| | 0-300kg load | 2 | FS369C | $ Ea |
| | CONSTANT 300kg load | 2 | FS369L | $ Ea |
| | CONSTANT 500kg load | 2 | FS369LL | $ Ea |

| LEAF SPRING FITMENT KIT - FITS FS369L & LL | | | | | |
|---|---|---|---|---|---|
|  | Urethane Shackle bushes | | | TDUK-070 | |
| | U-Bolts | | | TDUB-039 | |
| | Greaseable Shackles | 1 | TDFK-003 | TDGS-390 | $ Kt |
| | Greaseable Pins | | | TDGP-668 | |
| | Transmission Spacer | | | TDSP-007 | |

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

# FORD
## RANGER
## PXIII
## 08/2018 - 07/2022
**EST. LIFT FRONT: 40MM | REAR: 40MM**

TOUGH DOG 4WD Suspension ... Making Tracks Across the World

## FRONT

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|

## REAR

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **LEAF SPRING FITMENT KIT - FITS FS369C** | | | | |
| | Urethane Shackle bushes | | | TDUK-070 |
| | U-Bolts | | | TDUB-040 |
| | Greaseable Shackles | 1 | **TDFK-004** | TDGS-390 $ Kt |
| | Greaseable Pins | | | TDGP-668 |
| | Transmission Spacer | | | TDSP-007 |

## UPPER CONTROL ARMS

| | | | | |
|---|---|---|---|---|
| | Upper Control Arms | 1 | **TDCA-003** | $ Pr |

Fitment of Tough Dog Upper Control arms to vehicles that have lifts fitted greater than 50mm may suffer from premature ball joint failure due to droop lengths. The use of strut spacers may also affect the performance and longevity of the UCA ball joint due to the limitations of the spherical bearing housing being breached or bound at full suspension droop. There will be no warranty either expressed or implied if the vehicle is used out of legal driving conditions that will include, but is not limited to, jumping of the vehicle.

## AIR ASSIST - BELLOWS AIR BAGS

| | | | | |
|---|---|---|---|---|
| | Bellows Bag kit - Standard Height | 1 | **TDAA-116** | $ Kt |
| | Bellows Bag kit - 40mm lift | 1 | **TDAA-102** | $ Kt |

**Note:** Separate Air Assist components can be viewed on page 14.

## UPPER CONTROL ARMS - REPLACEMENT COMPONENTS

| | | | | |
|---|---|---|---|---|
| | Bush Kit to fit one UCA - for TDCA-003 | 1 | **TDSK-003** | $ Ea |
| | Ball joint kit to fit one UCA - for TDCA-003 | 1 | **TDSK-004** | $ Ea |

## AIR ASSIST - BELLOWS WIRELESS AIR SYSTEM

| | | | | |
|---|---|---|---|---|
| | Wireless Air System Suits Bellows Airbags | 1 | **TDAS-001** | $ Kt |

## FRONT INDIVIDUAL COMPONENTS

| | | | | |
|---|---|---|---|---|
| | Strut Top excluding Bump Stop & Boot | 2 | **FOR-4520** | $ Ea |
| | Bumpstop & Boot | 2 | **DB170/B** | $ Ea |

**Note:** Purchasing the Strut Top (FOR-4520) will require use of the original bumpstop and boot or purchase of a replacement bumpstop and boot (DB170/B) Contact 4Way Suspension to discuss.

## REAR INDIVIDUAL COMPONENTS

| | | | | |
|---|---|---|---|---|
| | Urethane Shackle Bush kit | 1 | **TDUK-070** | $ Kt |
| | U-Bolt kit - Suits FS369C only | 2 | **TDUB-040** | $ Kt |
| | U-Bolt kit - Suits FS369L &LL only | 2 | **TDUB-039** | $ Kt |
| | Greaseable Shackle kit | 1 | **TDGS-390** | $ Kt |
| | Greaseable Pin kit | 1 | **TDGP-668** | $ Kt |
| | Transmission Spacer kit | 1 | **TDSP-007** | $ Kt |

**Note:** Must be fitted to all lift kits.

## FRONT REPLACEMENT BUSHES (QTY PER SHOCK)

| | | | | |
|---|---|---|---|---|
| | Fits Bottom Eyering | 1 | **ADJ00306** | $ Ea |

## REAR REPLACEMENT BUSHES (QTY PER SHOCK)

| | | | | |
|---|---|---|---|---|
| | Fits Top Eyering - Foam cell shock | 1 | **ADJ00191** | $ Ea |
| | Fits Bottom eyering - Foam cell shock | 1 | **4W-SPF420-02** | $ Ea |
| | Fits Top Eyering - Adjustable shock | 1 | **230100** | $ Ea |
| | Fits Bottom eyering - Adjustable shock | 1 | **230002** | $ Ea |

**FOR GVM UPGRADES, SEE PAGE 52**

ALL PRICES EXCLUDE FREIGHT. INCLUDE ONLY PERMANENT ACCESSORIES & WEIGHTS WHEN SELECTING SPRINGS. TOWING WEIGHT IS NOT INCLUDED

# GVM UPGRADE

## FORD PXIII RANGER

4x2/4x4 'SINGLE CAB' PX-III (XL) - 2018-2022
4x2/4x4 'SUPER CAB' PX-III (XL, XLT) - 2018-2022
4x2/4x4 'DOUBLE CAB' PX-III (XL, XLS, XLT, WILDTRACK) - 2018-2022

FROM **3200KG*** TO **3510KG***

## WHAT YOU GET:

- EXTRA PAYLOAD UP TO **610KG**
- UPGRADED SUSPENSION
- IMPROVED HANDLING & LOAD CARRYING

| VEHICLE SPECIFICATIONS | | |
|---|---|---|
| DESCRIPTION | ORIGINAL EQUIPMENT | TOUGH DOG |
| FRONT AXLE RATING | 1480KG | **1480KG** |
| REAR AXLE RATING | 1850KG | **2030KG** |
| GROSS VEHICLE MASS (GVM) | 3200KG | **3510KG** |
| TOWING CAPACITY (BRAKED) | 3500KG | **3500KG** |
| GROSS COMBINED MASS (GCM) | 6000KG | **6000KG** |
| • Payload increase is based on model variant. | | |

| TOUGH DOG GVM UPGRADES CAN ONLY BE ORDERED THROUGH A TOUGH DOG APPROVED GVM DEALER | | | |
|---|---|---|---|
| 4X2/4X4 'SINGLE CAB' PX-III (XL) - 2018-2022 | | | |
| 4X2/4X4 'SUPER CAB' PX-III (XL, XLT) - 2018-2022 | | | |
| 4X2/4X4 'DOUBLE CAB' PX-III (XL, XLS, XLT, WILDTRACK) - 2018-2022 | | | |
| DESCRIPTION | GVM UPGRADE | PART NO | RRP |
| SINGLE/SUPER CAB \| FRONT: BAR & WINCH \| REAR: 600KG MIN. LOAD | 3510KG | TDGVM-050 | |
| SINGLE/SUPER CAB \| FRONT: NO ACCESSORIES \| REAR: 600KG MIN. LOAD | 3510KG | TDGVM-051 | |
| DOUBLE CAB \| FRONT: BAR & WINCH \| REAR: 400KG MIN. LOAD | 3510KG | TDGVM-050 | |
| DOUBLE CAB \| FRONT: NO ACCESSORIES \| REAR: 400KG MIN. LOAD | 3510KG | TDGVM-051 | |

TOUGH DOG GVM
CARRYING LOADS ACROSS AUSTRALIA

## LOGIN INTO THE DEALER PORTAL TO START YOUR GVM ORDER!

**WWW.TOUGHDOG.COM.AU/DEALER/PORTALHOME**

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

# FORD

**RANGER**
**PXIII RAPTOR**
**08/2018 - 07/2022**
**EST. LIFT FRONT: OE HEIGHT | REAR: OE HEIGHT**

## FRONT

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **COIL SPRINGS** | | | | |
| | With Bar & Winch Only - OE Height | 1 | **TDC1022** | $ Pr |

## REAR

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **COIL SPRINGS** | | | | |
| | 150-300kg load - OE Height | 1 | **TDC1023** | $ Pr |

**Note:** The Ford Ranger Raptor features Shock Absorber from fox suspension, which are an internal bypass style shock absorber and are therefore height sensitive in their ride control. When additional accessories like front steel bars, or rear tub accessories are fitted, the ride height of the vehicle is altered, which in turn alters the performance of the shock absorber.

Tough Dog Coil Springs are designed to return the vehicle to the original ride height to maintain the ride quality and should therefore only be fitted in the event that the appropriate level of accessory or other permanent load is present to ensure that the vehicle's ride is not adversely affected.

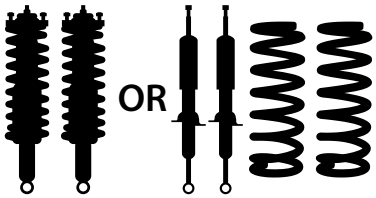
# FORD

**RANGER**
**P703 RANGER 2.0L 4CYL BTD, 3.0L V6 TD**
**07/2022 ON**
**EST. LIFT FRONT: 45MM | REAR: 45MM**

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.

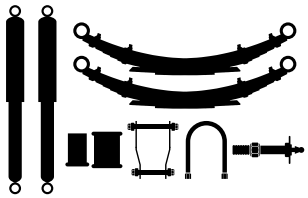



| | | |
|---|---|---|
| Assembled struts | 2 | Ea |
| OR | | |
| Struts | 2 | Ea |
| Coil Springs | 1 | Pr |
| Strut Top (Optional) | 2 | Ea |
| Upper Control arms (Optional) | 1 | Pr |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Leaf Springs | 2 | Ea |
| Leaf Spring Fitment Kit (Based on leaf spring choice) | 1 | Kt |
| Bellows Airbags (Optional) | 1 | Kt |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **ASSEMBLED STRUTS TO FIT 2.0L 4CYL B-TD MODELS** | | | | |
| | **FOAM CELL** | | | |
| | Assembled struts are made up of: 1 x strut, 1 x coil, 1 x strut top | | | |
| | No Accessories | 1 | **FOR-013** | $ Ea |
| | Bar or Bar & Winch | 1 | **FOR-014** | $ Ea |
| | Bar, Winch, Dual Batteries, Underbody Protection | 1 | **FOR-015** | $ Ea |
| | **40MM ADJUSTABLE** | | | |
| | Assembled struts are made up of: 1 x strut, 1 x coil, 1 x strut top | | | |
| | No Accessories | 1 | **FOR-009** | $ Ea |
| | Bar or Bar & Winch | 1 | **FOR-010** | $ Ea |
| | Bar, Winch, Dual Batteries, Underbody Protection | 1 | **FOR-011** | $ Ea |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | Up to 45mm Lift | 2 | **FC43044** | $ Ea |
| | **40MM ADJUSTABLE - SHOCK ABSORBER** | | | |
| | Up to 45mm Lift | 2 | **BM403044** | $ Ea |

| | | | | |
|---|---|---|---|---|
| **ASSEMBLED STRUTS TO FIT 3.0L V6 TD MODELS** | | | | |
| | **FOAM CELL** | | | |
| | Assembled struts are made up of: 1 x strut, 1 x coil, 1 x strut top | | | |
| | No Accessories | 1 | **FOR-014** | $ Ea |
| | Bar or Bar & Winch | 1 | **FOR-015** | $ Ea |
| | Bar, Winch, Dual Batteries, Underbody Protection | 1 | **FOR-016** | $ Ea |
| | **40MM ADJUSTABLE** | | | |
| | Assembled struts are made up of: 1 x strut, 1 x coil, 1 x strut top | | | |
| | No Accessories | 1 | **FOR-010** | $ Ea |
| | Bar or Bar & Winch | 1 | **FOR-011** | $ Ea |
| | Bar, Winch, Dual Batteries, Underbody Protection | 1 | **FOR-012** | $ Ea |

| | | | | |
|---|---|---|---|---|
| **STRUT - FOAM CELL** | | | | |
| | Up to 45mm Lift - Strut Only/ No Coil/ No Strut top | 2 | **FC404934** | $ Ea |
| | **STRUT - 40MM ADJUSTABLE** | | | |
| | Up to 45mm Lift - Strut Only/ No Coil/ No Strut top | 2 | **BM404934** | $ Ea |

**FOR GVM UPGRADES, SEE PAGE 56**

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

# FORD

**RANGER**
**P703 RANGER 2.0L 4CYL BTD, 3.0L V6 TD**
**07/2022 ON**
**EST. LIFT FRONT: 45MM | REAR: 45MM**

TOUGH DOG 4WD Suspension ... Making Tracks Across the World

## FRONT

### COIL SPRINGS - 2.0L 4CYL BTD

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| | No Accessories | 1 | TDC1063 | $ Pr |
| | Bar or Bar & Winch | 1 | TDC1064 | $ Pr |
| | Bar, Winch, Dual Batteries, Underbody Protection | 1 | TDC1065 | $ Pr |

### COIL SPRINGS - 3.0L V6 TD

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| | No Accessories | 1 | TDC1064 | $ Pr |
| | Bar or Bar & Winch | 1 | TDC1065 | $ Pr |
| | Bar, Winch, Dual Batteries, Underbody Protection | 1 | TDC1066 | $ Pr |

**Note:**
TDCA-013 UCAs suit XLT, Sport, WildTrak, WildTrak S, Platinum Models.
They do not fit XL or XLS models

### UPPER CONTROL ARMS

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| | Upper Control Arms | 1 | TDCA-013 | $ Pr |

Fitment of Tough Dog Upper Control arms to vehicles that have lifts fitted greater than 50mm may suffer from premature ball joint failure due to droop lengths. The use of strut spacers may also affect the performance and longevity of the UCA ball joint due to the limitations of the spherical bearing housing being breached or bound at full suspension droop. There will be no warranty either expressed or implied if the vehicle is used out of legal driving conditions that will include, but is not limited to, jumping of the vehicle.

### UPPER CONTROL ARMS - REPLACEMENT COMPONENTS

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| | Bush Kit to fit one UCA - for TDCA-013 | 1 | TDSK-028 | $ Ea |
| | Ball joint kit to fit one UCA - for TDCA-013 | 1 | TDSK-029 | $ Ea |

### FRONT INDIVIDUAL COMPONENTS

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| | Strut Top excluding Bump Stop & Boot | 2 | FOR-4934 | $ Ea |
| | Bumpstop & Boot | 2 | DB190/B | $ Ea |

**Note:** Fitting the Strut Top (FOR-4934) will require use of the original bumpstop and boot, or purchase of a replacement bumpstop and boot (DB-190B). Contact 4Way Suspension to discuss.

## REAR

### LEAF SPRINGS

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| | 0-300kg load | 2 | T88C | $ Ea |
| | CONSTANT 300kg load | 2 | T88L | $ Ea |
| | CONSTANT 500kg load | 2 | T88LL | $ Ea |

### LEAF SPRING FITMENT KIT - FITS T88C

| CONTENT | DESCRIPTION | QTY | PART NO | | RRP |
|---|---|---|---|---|---|
| | Urethane Shackle bushes<br>U-Bolts<br>Greaseable Shackles<br>Greaseable Pins<br>Transmission Spacer | 1 | TDFK-035 | | $ Kt |

### LEAF SPRING FITMENT KIT - FITS T88L & T88LL

| CONTENT | DESCRIPTION | QTY | PART NO | | RRP |
|---|---|---|---|---|---|
| | Urethane Shackle bushes<br>U-Bolts<br>Greaseable Shackles<br>Greaseable Pins<br>Transmission Spacer | 1 | TDFK-036 | | $ Kt |

### AIR ASSIST - BELLOWS AIR BAGS

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| | Bellows Bag kit - Standard Height | 1 | TDAA-135 | $ Kt |
| | Bellows Bag kit - 45mm lift | 1 | TDAA-136 | $ Kt |

**Note:** Separate Air Assist components can be viewed on page 14.

### AIR ASSIST - BELLOWS WIRELESS AIR SYSTEM

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| | Wireless Air System Suits Bellows Airbags | 1 | TDAS-001 | $ Kt |

### REAR INDIVIDUAL COMPONENTS

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| | Urethane Shackle Bush kit | 1 | TDUK-070 | $ Kt |
| | U-Bolt kit - Suits T88C only | 2 | TDUB-016 | $ Kt |
| | U-Bolt kit - Suits T88L & LL only | 2 | TDUB-016HD | $ Kt |
| | Greaseable Shackle kit | 1 | TDGS-390 | $ Kt |
| | Greaseable Pin kit | 1 | TDGP-668 | $ Kt |
| | Transmission Spacer kit | 1 | TDSP-030 | $ Kt |

**Note:** Must be fitted to all lift kits.

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| | Relocation Bracket - Matrix LED Headlight Module | 1 | TDSP-031 | $ Kt |

**Note:** Relocation Bracket must be fitted to Premium Pack optioned models with auto-levelling headlights.

ALL PRICES EXCLUDE FREIGHT. INCLUDE ONLY PERMANENT ACCESSORIES & WEIGHTS WHEN SELECTING SPRINGS. TOWING WEIGHT IS NOT INCLUDED

# FORD P703 RANGER

07/2022 ON

# COMING SOON

Bigger, tougher and smarter, the Next Gen Ford Ranger has been pushed beyond traditional design boundaries to deliver features you didn't even know you needed in. Get the most out of your Ranger Life with a GVM Upgrade from Tough Dog Suspension.

## WHAT YOU GET:

- ***COMING SOON***

**VEHICLE SPECIFICATIONS**

| DESCRIPTION | ORIGINAL EQUIPMENT | TOUGH DOG |
|---|---|---|
| COMING SOON | | |

**LOGIN INTO THE DEALER PORTAL TO START YOUR GVM ORDER!**

**WWW.TOUGHDOG.COM.AU/DEALER/PORTALHOME**

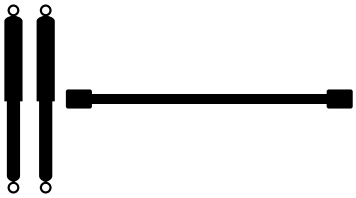
# GREAT WALL

**UTE**
**WINGLE, SAILOR**
**06/2009-2016**
**EST. LIFT FRONT: 45MM | REAR: 45MM**

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Torsion Bar | 1 | Pr |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | Up to 45mm Lift | 2 | **FC42019B** | $ Ea |

FC42019B is to be used for all front applications

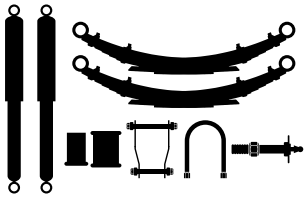
| TORSION BARS | | | | |
|---|---|---|---|---|
|  | 30mm / 1145mm | 1 | **4WTB-1559** | $ Pr |

**Note:** Adjust torsion bars after fitting shocks
- ensure a minimum of 60mm droop is maintatined

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Leaf Springs | 2 | Ea |
| Leaf Spring Fitment Kit | 1 | Kt |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **NITROGEN GAS - SHOCK ABSORBER** | | | | |
| | OE Height | 2 | **BD1382T** | $ Ea |
| | 45mm Lift | 2 | **BD1388T** | $ Ea |
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | OE Height | 2 | **FC41382** | $ Ea |
| | 45mm Lift | 2 | **FC41388** | $ Ea |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | OE Height | 2 | **BM401382** | $ Ea |
| | 45mm Lift | 2 | **BM401388** | $ Ea |

| LEAF SPRINGS | | | | |
|---|---|---|---|---|
| | 0-300kg load | 2 | **FS213** | $ Ea |
| | CONSTANT 300kg load | 2 | **FS213H** | $ Ea |

| LEAF SPRING FITMENT KIT | | | | | |
|---|---|---|---|---|---|
| | Urethane Shackle bushes | 1 | **TDFK-005** | TDUK-065 | $ Kt |
| | U-Bolts | | | TDUB-039 | |
| | Greaseable Shackles | | | TDGS-386 | |
| | Greaseable Pins | | | TDGP-668 | |

| REAR INDIVIDUAL COMPONENTS | | | | |
|---|---|---|---|---|
| | Urethane Shackle Bush Kit | 1 | **TDUK-065** | $ Kt |
| | U-Bolt Kit | 2 | **TDUB-039** | $ Kt |
| | Greasable Shackle Kit | 1 | **TDGS-386** | $ Kt |
| | Greasable Pin Kit | 1 | **TDGP-668** | $ Kt |

| FRONT REPLACEMENT BUSHES (QTY PER SHOCK) | | | | |
|---|---|---|---|---|
| | Fits top pin | 2 | **TW959** | $ Ea |
| | Fits bottom eyering | 1 | **412772** | $ Ea |

| REAR REPLACEMENT BUSHES (QTY PER SHOCK) | | | | |
|---|---|---|---|---|
| | Fits top & bottom eyering | 2 | **404702** | $ Ea |

ALL PRICES EXCLUDE FREIGHT. INCLUDE ONLY PERMANENT ACCESSORIES & WEIGHTS WHEN SELECTING SPRINGS. TOWING WEIGHT IS NOT INCLUDED

# GREAT WALL

**HOVER, SAFE, HAVAL**

**2009-2016**

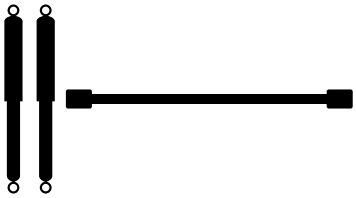
**EST. LIFT FRONT: 30MM | REAR: 30MM**

TOUGH DOG 4WD Suspension ... Making Tracks Across the World

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Torsion Bar | 1 | Pr |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | Up to 30mm Lift | 2 | **FC42019B** | $ Ea |
| FC42019B is to be used for all front applications | | | | |

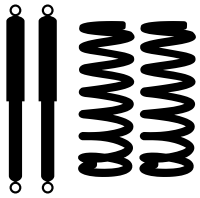
| TORSION BARS | | | | |
|---|---|---|---|---|
|  | 30mm/1145mm | 1 | **4WTB-1559** | $ Pr |
| **Note:** Adjust torsion bars after fitting shocks - ensure a minimum of 60mm droop is maintained. | | | | |

| FRONT REPLACEMENT BUSHES (QTY PER SHOCK) | | | | |
|---|---|---|---|---|
| | Fits top pin | 2 | **TW959** | $ Ea |
| | Fits bottom eyering | 1 | **412772** | $ Ea |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Coil Springs | 1 | Pr |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | Up to 30mm Lift | 2 | **FC41460** | $ Ea |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | Up to 30mm Lift | 2 | **BM401460** | $ Ea |

| COIL SPRINGS | | | | |
|---|---|---|---|---|
| | 0-300kg load | 1 | **TDC045** | $ Pr |
| | CONSTANT 300kg load | 1 | **TDC047** | $ Pr |

| REAR REPLACEMENT BUSHES (QTY PER SHOCK) | | | | |
|---|---|---|---|---|
| | Fits top pin | 2 | **TW959** | $ Ea |
| | Fits bottom eyering | 1 | **TW038-16** | $ Ea |

# GREAT WALL
## STEED

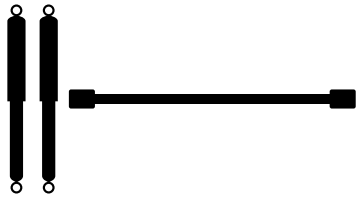
**2016-2020**
**EST. LIFT FRONT: 40MM | REAR: 40MM**

TOUGH DOG 4WD Suspension ... Making Tracks Across the World

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Torsion Bar | 1 | Pr |

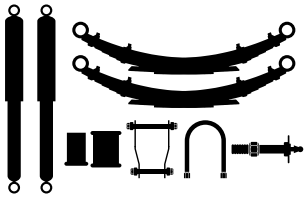
| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | Up to 40mm Lift | 2 | **FC42019B** | $ Ea |
| FC42019B is to be used for all front applications | | | | |

| | | | |
|---|---|---|---|
| **TORSION BARS** | | | |
|  | 30mm/1145mm | 1 | **4WTB-1559** | $ Pr |
| **Note:** Adjust torsion bars after fitting shocks - ensure a minimum of 60mm droop is maintained. | | | | |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.

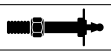


| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Leaf Springs | 2 | Ea |
| Leaf Spring Fitment Kit | 1 | Kt |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **NITROGEN GAS - SHOCK ABSORBER** | | | | |
| | Up to 40mm Lift | 2 | **BD1382T** | $ Ea |
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | Up to 40mm Lift | 2 | **FC41382** | $ Ea |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | Up to 40mm Lift | 2 | **BM401382** | $ Ea |

| | | | | |
|---|---|---|---|---|
| **LEAF SPRINGS** | | | | |
| | 0-300kg load | 2 | **FS213** | $ Ea |
| | CONSTANT 300kg load | 2 | **FS213H** | $ Ea |

| | | | | | |
|---|---|---|---|---|---|
| **LEAF SPRING FITMENT KIT** | | | | | |
| | Urethane Shackle Bush Kit | 1 | **TDFK-006** | TDUK-065 | $ Kt |
| | U-Bolt Kit | | | TDUB-017 | |
| | Greasable Shackle Kit | | | TDGS-386 | |
| | Greasable Pin Kit | | | TDGP-668 | |
| | Handbrake Relocation Kit | | | TDSP-025 | |

| | | | | | |
|---|---|---|---|---|---|
| **REAR INDIVIDUAL COMPONENTS** | | | | | |
| | Urethane Shackle Bush Kit | 1 | **TDUK-065** | $ | Kt |
| | U-Bolt Kit | 2 | **TDUB-017** | $ | Kt |
| | Greasable Shackle Kit | 1 | **TDGS-386** | $ | Kt |
|  | Greasable Pin Kit | 1 | **TDGP-668** | $ | Kt |
| | Handbrake Relocation Kit | 1 | **TDSP-025** | $ | Kt |
| **Note:** Must be fitted to all lift kits. | | | | | |

| | | | | | |
|---|---|---|---|---|---|
| **FRONT REPLACEMENT BUSHES (QTY PER SHOCK)** | | | | | |
| | Fits top pin | 2 | **TW959** | $ | Ea |
| | Fits bottom eyering | 1 | **412772** | $ | Ea |

| | | | | | |
|---|---|---|---|---|---|
| **REAR REPLACEMENT BUSHES (QTY PER SHOCK)** | | | | | |
| | Fits top & bottom eyering | 2 | **404702** | $ | Ea |

ALL PRICES EXCLUDE FREIGHT. INCLUDE ONLY PERMANENT ACCESSORIES & WEIGHTS WHEN SELECTING SPRINGS. TOWING WEIGHT IS NOT INCLUDED

# GREAT WALL

## CANNON / P-SERIES

**2019 ON**

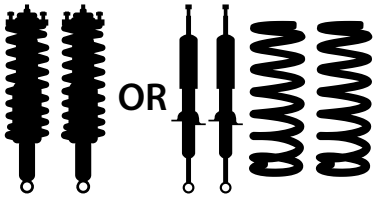
**EST. LIFT FRONT: 50MM | REAR: 40MM**

TOUGH DOG 4WD Suspension ... Making Tracks Across the World

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.

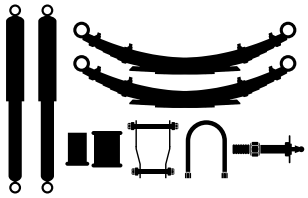



| | | |
|---|---|---|
| Assembled struts | 2 | Ea |
| OR | | |
| Struts | 2 | Ea |
| Coil Springs | 1 | Pr |
| Strut Top (Optional) | 2 | Ea |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Leaf Springs | 2 | Ea |
| Leaf Spring Fitment Kit (Based on leaf spring choice) | 1 | Kt |
| Bellows Airbags (Optional) | 1 | Kt |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **ASSEMBLED STRUTS - FOAM CELL** | | | | |
| Assembled struts are made up of: 1 x strut, 1 x coil 1 x strut top | | | | |
| | No Accessories | 2 | **GWM-003** | $ Ea |
| | With Bar / Bar & Winch | 2 | **GWM-004** | $ Ea |
| **ASSEMBLED STRUTS - 40MM ADJUSTABLE** | | | | |
| Assembled struts are made up of: 1 x strut, 1 x coil 1 x strut top | | | | |
| | No Accessories | 2 | **GWM-001** | $ Ea |
| | With Bar / Bar & Winch | 2 | **GWM-002** | $ Ea |
| **STRUT - FOAM CELL** | | | | |
| | Up to 50mm Lift - Strut Only/ No Coil/ No Strut top | 2 | **FC404931** | $ Ea |
| **STRUT - 40MM ADJUSTABLE** | | | | |
| | Up to 50mm Lift - Strut Only/ No Coil/ No Strut top | 2 | **BM404931** | $ Ea |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | Up to 40mm Lift | 2 | **FC43040** | $ Ea |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | Up to 40mm Lift | 2 | **BM403040** | $ Ea |

| COIL SPRINGS | | | | |
|---|---|---|---|---|
| | No accessories | 1 | **TDC1047** | $ Pr |
| | with Bar or Bar & Winch | 1 | **TDC1048** | $ Pr |

| LEAF SPRINGS | | | | |
|---|---|---|---|---|
| | 0-300 kg load | 2 | **T87C** | $ Ea |
| | CONSTANT 300 kg load | 2 | **T87L** | $ Ea |
| | CONSTANT 500 kg load | 2 | **T87LL** | $ Ea |

| LEAF SPRING FITMENT KIT - FITS T87LL | | | | | |
|---|---|---|---|---|---|
| | Urethane Shackle bushes | | | TDUK-088 | |
| | U-Bolts | | | TDUB-039 | |
| | Greaseable Shackles | 1 | **TDFK-007** | TDGS-390 | $ Kt |
| | Greaseable Pins | | | TDGP-668 | |
| | Centre bearing kit | | | TDSP-027 | |

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

# GREAT WALL

## CANNON / P-SERIES

**2019 ON**

**EST. LIFT FRONT: 50MM | REAR: 40MM**

TOUGH DOG 4WD Suspension ... Making Tracks Across the World

## FRONT

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|

## REAR

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **LEAF SPRING FITMENT KIT - FITS T87C / L** | | | | |
| | Urethane Shackle bushes | | | TDUK-088 |
| | U-Bolts | | | TDUB-040 |
| | Greaseable Shackles | 1 | **TDFK-008** | TDGS-390 $ Kt |
| | Greaseable Pins | | | TDGP-668 |
| | Centre bearing kit | | | TDSP-027 |

## UPPER CONTROL ARMS

| | | | | |
|---|---|---|---|---|
| | Upper Control Arms | 1 | **TDCA-012** | $ Pr |

Fitment of Tough Dog Upper Control arms to vehicles that have lifts fitted greater than 50mm may suffer from premature ball joint failure due to droop lengths. The use of strut spacers may also affect the performance and longevity of the UCA ball joint due to the limitations of the spherical bearing housing being breached or bound at full suspension droop. There will be no warranty either expressed or implied if the vehicle is used out of legal driving conditions that will include, but is not limited to, jumping of the vehicle.

## AIR ASSIST - BELLOWS

| | | | | |
|---|---|---|---|---|
| | Bellows Bag Kit - OEM Height | 1 | **TDAA-132** | $ Kt |
| | Bellows Bag Kit - 40mm Lift | 1 | **TDAA-133** | $ Kt |

**Note:** Separate Air Assist components can be viewed on page 14.

## UPPER CONTROL ARMS - REPLACEMENT COMPONENTS

| | | | | |
|---|---|---|---|---|
| | Bush Kit to fit one UCA - for TDCA-012 | 1 | **TDSK-024** | $ Ea |
| | Ball joint kit to fit one UCA - for TDCA-012 | 1 | **TDSK-025** | $ Ea |

## AIR ASSIST - BELLOWS WIRELESS AIR SYSTEM

| | | | | |
|---|---|---|---|---|
| | Wireless Air System Suits Bellows Airbags | 1 | **TDAS-001** | $ Kt |

## FRONT INDIVIDUAL COMPONENTS

| | | | | |
|---|---|---|---|---|
| | Strut Top | 2 | **GWM-4931** | $ Ea |

## REAR IINDIVIDUAL COMPONENTS

| | | | | |
|---|---|---|---|---|
| | Urethane Shackle Bush Kit | 1 | **TDUK-088** | $ Kt |
| | U-Bolt Kit - T87C & T87L Only | 2 | **TDUB-040** | $ Kt |
| | U-Bolt Kit - T87LL Only | 2 | **TDUB-039** | $ Kt |
| | Greasable Shackle Kit | 1 | **TDGS-390** | $ Kt |
| | Greasable Pin Kit | 1 | **TDGP-668** | $ Kt |
| | Centre bearing kit | 1 | **TDSP-027** | $ Ea |

**Note:** Must be fitted with all kits.

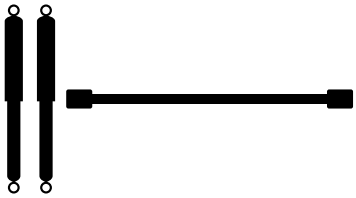
# HOLDEN

**FRONTERA**
**MB & MX**
**10/1995-1999 & 03/1999-2004**
**EST. LIFT FRONT: 40MM | REAR: 40MM**

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Torsion Bar | 1 | Pr |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | Up to 40mm Lift | 2 | **FC42019B** | $ Ea |
| FC42019B is to be used for all front applications | | | | |

### TORSION BARS

| | | | | |
|---|---|---|---|---|
|  | 30mm/1145mm | 1 | **4WTB-1559** | $ Pr |

**Note:** Adjust torsion bars after fitting shocks
- ensure a minimum of 60mm droop is maintained.

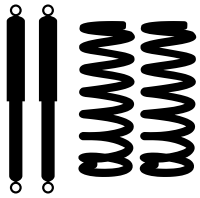
### FRONT REPLACEMENT BUSHES (QTY PER SHOCK)

| | | | | |
|---|---|---|---|---|
| | Fits top pin | 2 | **TW959** | $ Ea |
| | Fits bottom eyering | 1 | **412772** | $ Ea |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Coil Springs | 1 | Pr |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| | **FOAM CELL - SHOCK ABSORBER (EYE/EYE)** | | | |
| | Up to 40mm Lift | 2 | **FC41200** | $ Ea |
| | **FOAM CELL - SHOCK ABSORBER (PIN/EYE)** | | | |
| | Up to 40mm Lift | 2 | **FC41201B** | $ Ea |
| | **40MM ADJUSTABLE - SHOCK ABSORBER (EYE/EYE)** | | | |
| | Up to 40mm Lift | 2 | **BM401200** | $ Ea |
| | **40MM ADJUSTABLE - SHOCK ABSORBER (PIN/EYE)** | | | |
| | Up to 40mm Lift | 2 | **BM401201** | $ Ea |

**Note:** Check mounts before ordering for eye/eye or Pin/eye.

### COIL SPRINGS

| | | | | |
|---|---|---|---|---|
| | 0-300kg load OE Height (10/95-99 Only) | 1 | **TDC290** | $ Pr |
| | 0-300kg load | 1 | **TDC267** | $ Pr |
| | CONSTANT 300kg load | 1 | **TDC267H** | $ Pr |

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

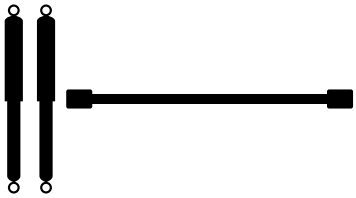
# HOLDEN

**JACKAROO, ISUZU TROOPER**
**UBS13, 16, 52, 52I**
**11/1981-1986**
**EST. LIFT FRONT: 45MM | REAR: 45MM**

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Torsion Bar | 1 | Pr |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **NITROGEN GAS - SHOCK ABSORBER** | | | | |
| | Up to 45mm Lift | 2 | **BD2057T** | $ Ea |
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | Up to 45mm Lift | 2 | **FC42057B** | $ Ea |

FC42057B is to be fitted to all applications where a Foam Cell or Adjustable shock is fitted to the rear.

| TORSION BARS | | | | |
|---|---|---|---|---|
| | 26mm/926mm | 1 | **4WTB-1546** | $ Pr |

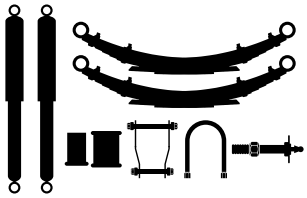
**Note:** Adjust torsion bars after fitting shocks - ensure a minimum of 60mm droop is maintained.

| FRONT REPLACEMENT BUSHES (QTY PER SHOCK) | | | | |
|---|---|---|---|---|
|  | Fits top pin | 2 | **TW959** | $ Ea |
| | Fits bottom eyering | 1 | **412772** | $ Ea |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Leaf Springs | 2 | Ea |
| Urethane shackle bush kit | 1 | Kt |
| U-Bolt kit | 2 | Kt |
| Greaseable Pin kit | 1 | Kt |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **NITROGEN GAS - SHOCK ABSORBER** | | | | |
| | OE Height | 2 | **BD1382T** | $ Ea |
| | 45mm Lift | 2 | **BD1388T** | $ Ea |
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | OE Height | 2 | **FC41382** | $ Ea |
| | 45mm Lift | 2 | **FC41388** | $ Ea |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | OE Height | 2 | **BM401382** | $ Ea |
| | 45mm Lift | 2 | **BM401388** | $ Ea |

| LEAF SPRINGS | | | | |
|---|---|---|---|---|
| | 0-300kg load | 2 | **FS113** | $ Ea |
| | CONSTANT 300kg load | 2 | **FS113H** | $ Ea |

| REAR INDIVIDUAL COMPONENTS | | | | |
|---|---|---|---|---|
| | Urethane Shackle Bush Kit | 1 | **TDUK-004** | $ Kt |
| | U-Bolt Kit | 2 | **TDUB-006** | $ Kt |
| | Greasable Pin Kit | 1 | **TDGP-668** | $ Kt |

| REAR REPLACEMENT BUSHES (QTY PER SHOCK) | | | | |
|---|---|---|---|---|
| | Fits top & bottom eyering | 2 | **404702** | $ Ea |

# HOLDEN

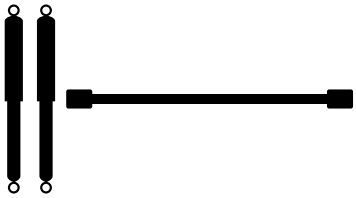
**JACKAROO, ISUZU TROOPER**
**UBS16, 17, 52, 55**
**11/1986-1992**
**EST. LIFT FRONT: 45MM | REAR: 45MM**

TOUGH DOG 4WD Suspension ... Making Tracks Across the World

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.

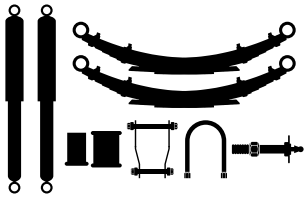


| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Torsion Bar | 1 | Pr |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Leaf Springs | 2 | Ea |
| Urethane shackle bush kit | 1 | Kt |
| U-Bolt kit | 2 | Kt |
| Greaseable Pin kit | 1 | Kt |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP | |
|---|---|---|---|---|---|
| **NITROGEN GAS - SHOCK ABSORBER** | | | | | |
| | Up to 45mm Lift | 2 | **BD2057T** | $ | Ea |
| **FOAM CELL - SHOCK ABSORBER** | | | | | |
| | Up to 45mm Lift | 2 | **FC42057B** | $ | Ea |

FC42057B is to be fitted to all applications where a Foam Cell or Adjustable shock is fitted to the rear.

| CONTENT | DESCRIPTION | QTY | PART NO | RRP | |
|---|---|---|---|---|---|
| **NITROGEN GAS - SHOCK ABSORBER** | | | | | |
| | OE Height | 2 | **BD1105T** | $ | Ea |
| | 45mm lift | 2 | **BD1106TB** | $ | Ea |
| **FOAM CELL - SHOCK ABSORBER** | | | | | |
| | OE Height | 2 | **FC41105** | $ | Ea |
| | 45mm lift | 2 | **FC41106** | $ | Ea |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | | |
| | OE Height | 2 | **BM401105** | $ | Ea |
| | 45mm lift | 2 | **BM401106** | $ | Ea |

| TORSION BARS | | | | | |
|---|---|---|---|---|---|
| | 26mm / 997mm | 1 | **4WTB-1548** | $ | Pr |

**Note:** Adjust torsion bars after fitting shocks - ensure a minimum of 60mm droop is maintained.

| LEAF SPRINGS | | | | | |
|---|---|---|---|---|---|
| | 0-300kg load | 2 | **FS113** | $ | Ea |
| | CONSTANT 300kg load | 2 | **FS113H** | $ | Ea |

| REAR INDIVIDUAL COMPONENTS | | | | | |
|---|---|---|---|---|---|
| | Urethane Shackle Bush Kit | 1 | **TDUK-004** | $ | Kt |
| | U-Bolt Kit | 2 | **TDUB-006** | $ | Kt |
| | Greasable Pin Kit | 1 | **TDGP-668** | $ | Kt |

| FRONT REPLACEMENT BUSHES (QTY PER SHOCK) | | | | | |
|---|---|---|---|---|---|
| | Fits top pin | 2 | **TW959** | $ | Ea |
| | Fits bottom eyering | 1 | **412772** | $ | Ea |

| REAR REPLACEMENT BUSHES (QTY PER SHOCK) | | | | | |
|---|---|---|---|---|---|
| | Fits bottom eyering | 1 | **404702** | $ | Ea |
| | Fits top pin | 2 | **TW959** | $ | Ea |

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

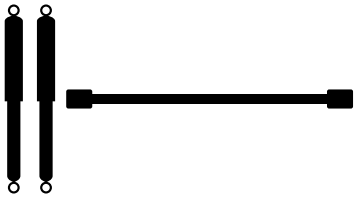
# HOLDEN

**JACKAROO, MONTEREY**
**UBS25, 26, 69, 73**
**05/1992-1998 & 09/1998-2004**
**EST. LIFT FRONT: 40MM | REAR: 40MM**

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Torsion Bar | 1 | Pr |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | Up to 40mm Lift | 2 | **FC42019B** | $ Ea |

FC42019B is to be used for all front applications

| TORSION BARS | | | | |
|---|---|---|---|---|
|  | 29.3mm/1220mm | 1 | **4WTB-1549** | $ Pr |

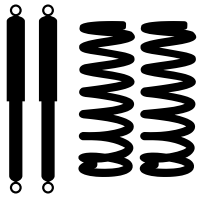
**Note:** Adjust torsion bars after fitting shocks - ensure a minimum of 60mm droop is maintained.

| FRONT REPLACEMENT BUSHES (QTY PER SHOCK) | | | | |
|---|---|---|---|---|
| | Fits top pin | 2 | **TW959** | $ Ea |
| | Fits bottom eyering | 1 | **412772** | $ Ea |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Coil Springs | 1 | Pr |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | Up to 40mm Lift | 2 | **FC41200** | $ Ea |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | Up to 40mm Lift | 2 | **BM401200** | $ Ea |

| COIL SPRINGS - UBS 25, 69 | | | | |
|---|---|---|---|---|
| | 0-300kg load | 1 | **TDC267** | $ Pr |
| | CONSTANT 300kg load | 1 | **TDC267H** | $ Pr |
| | CONSTANT 500kg load | 1 | **TDC267HH** | $ Pr |
| **COIL SPRINGS - UBS 26, 73 WIDE BODY** | | | | |
| | 0-300kg load | 1 | **TDC267H** | $ Pr |
| | CONSTANT 300kg load | 1 | **TDC267HH** | $ Pr |

| REAR REPLACEMENT BUSHES (QTY PER SHOCK) | | | | |
|---|---|---|---|---|
| | Fits bottom eyering | 1 | **415024** | $ Ea |

ALL PRICES EXCLUDE FREIGHT. INCLUDE ONLY PERMANENT ACCESSORIES & WEIGHTS WHEN SELECTING SPRINGS. TOWING WEIGHT IS NOT INCLUDED

# HOLDEN

**RODEO**
**KB4, KBD4**
**01/1981-1988**
**EST. LIFT FRONT: 40MM | REAR: 40MM**

## FRONT

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|

## REAR

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **NITROGEN GAS - SHOCK ABSORBER** | | | | |
| | OE Height | 2 | **BD1382T** | $ Ea |
| | 40mm Lift | 2 | **BD1388T** | $ Ea |
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | OE Height | 2 | **FC41382** | $ Ea |
| | 40mm Lift | 2 | **FC41388** | $ Ea |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | OE Height | 2 | **BM401382** | $ Ea |
| | 40mm Lift | 2 | **BM401388** | $ Ea |

## TORSION BARS

| | | | | |
|---|---|---|---|---|
|  | 26mm / 927mm - 01/81-83 only | 1 | **4WTB-1536** | $ Pr |
| | 26mm / 926mm - 83-88 only | 1 | **4WTB-1546** | $ Pr |

**Note:** Adjust torsion bars after fitting shocks - ensure a minimum of 60mm droop is maintained.

## LEAF SPRINGS

| | | | | |
|---|---|---|---|---|
| | 0-300kg load | 2 | **FS113** | $ Ea |
| | CONSTANT 300kg load | 2 | **FS113H** | $ Ea |
| | CONSTANT 500kg load | 2 | **FS113HM** | $ Ea |

## REAR INDIVIDUAL COMPONENTS

| | | | | |
|---|---|---|---|---|
| | Urethane Shackle Bush Kit | 1 | **TDUK-004** | $ Kt |
| | U-Bolt Kit | 2 | **TDUB-006** | $ Kt |
| | Greasable Shackle Kit | 1 | **TDGS-386** | $ Kt |
| | Greasable Pin Kit | 1 | **TDGP-668** | $ Kt |

## REAR REPLACEMENT BUSHES (QTY PER SHOCK)

| | | | | |
|---|---|---|---|---|
| | Fits top & bottom eyering | 2 | **404702** | $ Ea |

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

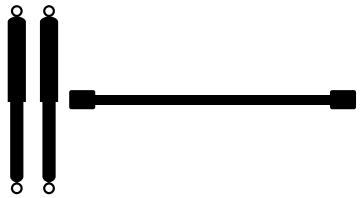
# HOLDEN

**RODEO**
**TFS17, 54, 55, TFS25, 77**
**08/1988-2003**
**EST. LIFT FRONT: 40MM | REAR: 40MM**

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Torsion Bar | 1 | Pr |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **NITROGEN GAS - SHOCK ABSORBER** | | | | |
| | Up to 40mm Lift | 2 | **BD2057T** | $ Ea |
| BD2057T is to be used for all front applications | | | | |

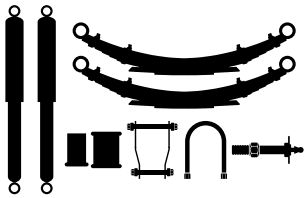
| TORSION BARS | | | | |
|---|---|---|---|---|
|  | 26mm / 997mm - 36mm Spline | 1 | **4WTB-1548** | $ Pr |
| | 27mm / 998mm - 33mm Spline | 1 | **4WTB-1566** | $ Pr |
| **Check Spline and Diameter prior to ordering.** Adjust torsion bars after fitting shocks - ensure a minimum of 60mm droop is maintained. | | | | |

| FRONT REPLACEMENT BUSHES (QTY PER SHOCK) | | | | |
|---|---|---|---|---|
| | Fits top pin | 2 | **TW959** | $ Ea |
| | Fits bottom eyering | 1 | **412772** | $ Ea |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Leaf Springs | 2 | Ea |
| Urethane shackle bush kit | 1 | Kt |
| U-Bolt kit | 2 | Kt |
| Greaseable Pin kit | 1 | Kt |
| Greaseable Shackle kit | 1 | Kt |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **NITROGEN GAS - SHOCK ABSORBER** | | | | |
| | OE Height | 2 | **BD1382T** | $ Ea |
| | 40mm Lift | 2 | **BD1388T** | $ Ea |
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | OE Height | 2 | **FC41382** | $ Ea |
| | 40mm Lift | 2 | **FC41388** | $ Ea |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | OE Height | 2 | **BM401382** | $ Ea |
| | 40mm Lift | 2 | **BM401388** | $ Ea |

| LEAF SPRINGS | | | | |
|---|---|---|---|---|
| Check number of leaves - Rare Special Editions have heavier factory leaf packs | | | | |
| | 0-300kg load | 2 | **FS113** | $ Ea |
| | CONSTANT 300kg load | 2 | **FS113H** | $ Ea |
| | CONSTANT 500kg load | 2 | **FS113HM** | $ Ea |

| REAR INDIVIDUAL COMPONENTS | | | | |
|---|---|---|---|---|
| | Urethane Shackle Bush Kit | 1 | **TDUK-065** | $ Kt |
| | U-Bolt Kit | 2 | **TDUB-005** | $ Kt |
| | Greasable Shackle Kit | 1 | **TDGS-386** | $ Kt |
| | Greasable Pin Kit | 1 | **TDGP-668** | $ Kt |

| REAR REPLACEMENT BUSHES (QTY PER SHOCK) | | | | |
|---|---|---|---|---|
| | Fits top & bottom eyering | 2 | **404702** | $ Ea |

# HOLDEN

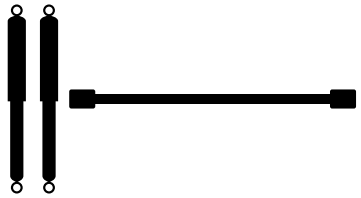
**RODEO & COLORADO**
**RA-RC**
**02/2003-2012**
**EST. LIFT FRONT: 45MM | REAR: 45MM**

TOUGH DOG 4WD Suspension ... Making Tracks Across the World

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.

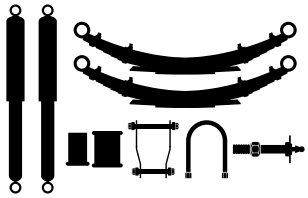


| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Torsion Bar | 1 | Pr |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Leaf Springs | 2 | Ea |
| Leaf Spring Fitment Kit | 1 | Kt |
| Bellows Airbags (Optional) | 1 | Kt |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | Up to 45mm Lift | 2 | **FC42019B** | $ Ea |

FC42019B is to be fitted to all applications where a Foam Cell or Adjustable shock is fitted to the rear.

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **NITROGEN GAS - SHOCK ABSORBER** | | | | |
| | OE Height | 2 | **BD1382T** | $ Ea |
| | 45mm Lift | 2 | **BD1388T** | $ Ea |
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | OE Height | 2 | **FC41382** | $ Ea |
| | 45mm Lift | 2 | **FC41388** | $ Ea |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | OE HEight | 2 | **BM401382** | $ Ea |
| | 45mm Lift | 2 | **BM401388** | $ Ea |

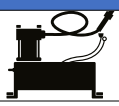
| TORSION BARS | | | | |
|---|---|---|---|---|
| | 30mm/1145mm | 1 | **4WTB-1559** | $ Pr |

**Note:** Adjust torsion bars after fitting shocks - ensure a minimum of 60mm droop is maintained.

| LEAF SPRINGS | | | | |
|---|---|---|---|---|
| | 0-300kg load | 2 | **FS213** | $ Ea |
| | CONSTANT 300kg load | 2 | **FS213H** | $ Ea |

| AIR ASSIST - BELLOWS | | | | |
|---|---|---|---|---|
| | Bellows Bag kit - 45mm lift | 1 | **TDAA-103** | $ Kt |

**Note:** Separate Air Assist components can be viewed on page 14.

| AIR ASSIST - BELLOWS WIRELESS AIR SYSTEM | | | | |
|---|---|---|---|---|
|  | Wireless Air System Suits Bellows Airbags | 1 | **TDAS-001** | $ Kt |

| LEAF SPRING FITMENT KIT | | | | | |
|---|---|---|---|---|---|
| | Urethane Shackle Bush Kit | 1 | **TDFK-005** | TDUK-065 | $ Kt |
| | U-Bolt Kit | | | TDUB-039 | |
| | Greasable Shackle Kit | | | TDGS-386 | |
| | Greasable Pin Kit | | | TDGP-668 | |

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

# HOLDEN

**RODEO & COLORADO**
**RA-RC**
**02/2003-2012**
**EST. LIFT FRONT: 45MM | REAR: 45MM**

## FRONT

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|

## REAR

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **REAR INDIVIDUAL COMPONENTS** | | | | |
| | Urethane Shackle Bush Kit | 1 | **TDUK-065** | $ Kt |
| | U-Bolt Kit | 2 | **TDUB-039** | $ Kt |
| | Greasable Shackle Kit | 1 | **TDGS-386** | $ Kt |
| | Greasable Pin Kit | 1 | **TDGP-668** | $ Kt |

## FRONT REPLACEMENT BUSHES (QTY PER SHOCK)

| | | | | |
|---|---|---|---|---|
| | Fits top pin | 2 | **TW959** | $ Ea |
| | Fits bottom eyering | 1 | **412772** | $ Ea |

## REAR REPLACEMENT BUSHES (QTY PER SHOCK)

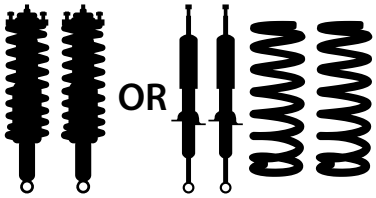
| | | | | |
|---|---|---|---|---|
| | Fits top & bottom eyering | 2 | **404702** | $ Ea |

# HOLDEN
**COLORADO**
**RG**
**07/2012-06/2016**
**EST. LIFT FRONT: 40MM | REAR: 40MM**

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.



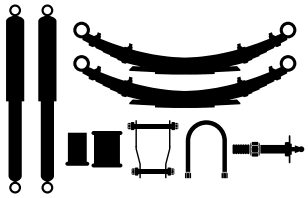

| | | |
|---|---|---|
| Assembled struts | 2 | Ea |
| OR | | |
| Struts | 2 | Ea |
| Coil Springs | 1 | Pr |
| Strut Top (Optional) | 2 | Ea |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **ASSEMBLED STRUTS - FOAM CELL** | | | | |
| Assembled struts are made up of: 1 x strut, 1 x coil 1 x strut top | | | | |
| | Up to Steel Bar | 2 | **HOL-003** | $ Ea |
| | With Steel Bar & Winch | 2 | **HOL-004** | $ Ea |
| **ASSEMBLED STRUTS - 40MM ADJUSTABLE** | | | | |
| Assembled struts are made up of: 1 x strut, 1 x coil 1 x strut top | | | | |
| | Up to Steel Bar | 2 | **HOL-001** | $ Ea |
| | With Steel Bar & Winch | 2 | **HOL-002** | $ Ea |
| **STRUT - FOAM CELL** | | | | |
| | Up to 40mm Lift - Strut Only/ No Coil/ No Strut Top | 2 | **FC404200** | $ Ea |
| **STRUT - 40MM ADJUSTABLE** | | | | |
| | Up to 40mm Lift - Strut Only/ No Coil/ No Strut Top | 2 | **BM404200** | $ Ea |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Leaf Springs | 2 | Ea |
| Leaf Spring Fitment kit | 1 | Kt |
| Bellows Airbags (Optional) | 1 | Kt |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **NITROGEN GAS - SHOCK ABSORBER** | | | | |
| | Up to 40mm Lift | 2 | **BD1382T** | $ Ea |
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | Up to 40mm Lift | 2 | **FC41382** | $ Ea |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | Up to 40mm Lift | 2 | **BM401382** | $ Ea |

### COIL SPRINGS

| | | | | |
|---|---|---|---|---|
| | Up to Steel Bar - 40mm lift | 1 | **TDC270** | $ Pr |
| | With Steel Bar & Winch - 40mm lift | 1 | **TDC974** | $ Pr |

### LEAF SPRINGS

| | | | | |
|---|---|---|---|---|
| | 0-300 kg load | 2 | **FS214C** | $ Ea |
| | CONSTANT 300kg load | 2 | **FS214L** | $ Ea |
| | CONSTANT 500kg load | 2 | **FS214LL** | $ Ea |

### LEAF SPRING FITMENT KIT

| | | | | | |
|---|---|---|---|---|---|
| | Urethane Shackle bushes | 1 | **TDFK-009** | TDUK-071 | $ Kt |
| | U-Bolts | | | TDUB-016 | |
| | Greaseable Shackles | | | TDGS-391 | |
| | Greaseable Pins | | | TDGP-668 | |

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

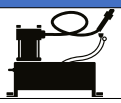
# HOLDEN

**COLORADO**
**RG**
**07/2012-06/2016**
**EST. LIFT FRONT: 40MM | REAR: 40MM**

## FRONT

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|

## REAR

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **AIR ASSIST - BELLOWS** | | | | |
| | Bellows Bag Kit - OEM Height | 1 | **TDAA-118** | $ Kt |
| | Bellows Bag Kit - 40mm Lift | 1 | **TDAA-104** | $ Kt |
| **Note:** Separate Air Assist components can be viewed on page 14. | | | | |
| **AIR ASSIST - BELLOWS WIRELESS AIR SYSTEM** | | | | |
|  | Wireless Air System Suits Bellows Airbags | 1 | **TDAS-001** | $ Kt |

| FRONT INDIVIDUAL COMPONENTS | | | | |
|---|---|---|---|---|
| | Strut Top | 2 | **ISU-4929** | $ Ea |

| REAR INDIVIDUAL COMPONENTS | | | | |
|---|---|---|---|---|
| | Urethane Shackle Bush Kit | 1 | **TDUK-071** | $ Kt |
| | U-Blt Kit | 2 | **TDUB-016** | $ Kt |
| | Greasable Shackle Kit | 1 | **TDGS-391** | $ Kt |
| | Greasable Pin Kit | 1 | **TDGP-668** | $ Kt |

| FRONT REPLACEMENT BUSHES (QTY PER SHOCK) | | | | |
|---|---|---|---|---|
| | Fits bottom eyering | 1 | **ADJ300/40A** | $ Ea |

| REAR REPLACEMENT BUSHES (QTY PER SHOCK) | | | | |
|---|---|---|---|---|
| | Fits top & bottom eyering | 2 | **404702** | $ Ea |

ALL PRICES EXCLUDE FREIGHT. INCLUDE ONLY PERMANENT ACCESSORIES & WEIGHTS WHEN SELECTING SPRINGS. TOWING WEIGHT IS NOT INCLUDED

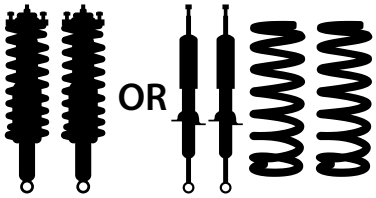
# HOLDEN

**COLORADO**
**RG** **MMU142, GH1700**
**06/2016-2023**
**EST. LIFT FRONT: 40MM | REAR: 40MM**

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.

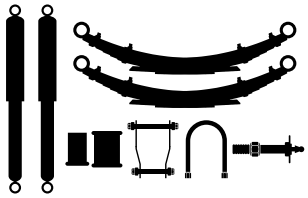



| | | |
|---|---|---|
| Assembled struts | 2 | Ea |
| OR | | |
| Struts | 2 | Ea |
| Coil Springs | 1 | Pr |
| Strut Top (Optional) | 2 | Ea |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Leaf Springs | 2 | Ea |
| Leaf Spring Fitment kit | 1 | Kt |
| Bellows Airbags (Optional) | 1 | Kt |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **ASSEMBLED STRUTS - FOAM CELL** | | | | |
| Assembled struts are made up of: 1 x strut, 1 x coil 1 x strut top | | | | |
| | Up to Steel Bar | 2 | **HOL-003** | $ Ea |
| | With Steel Bar & Winch | 2 | **HOL-004** | $ Ea |
| **ASSEMBLED STRUTS - 40MM ADJUSTABLE** | | | | |
| Assembled struts are made up of: 1 x strut, 1 x coil 1 x strut top | | | | |
| | Up to Steel Bar | 2 | **HOL-001** | $ Ea |
| | With Steel Bar & Winch | 2 | **HOL-002** | $ Ea |
| **STRUT - FOAM CELL** | | | | |
| | Up to 40mm Lift - Strut Only/ No Coil/ No Strut Top | 2 | **FC404200** | $ Ea |
| **STRUT - 40MM ADJUSTABLE** | | | | |
| | Up to 40mm Lift - Strut Only/ No Coil/ No Strut Top | 2 | **BM404200** | $ Ea |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **NITROGEN GAS - SHOCK ABSORBER** | | | | |
| | Up to 40mm Lift | 2 | **BD1382T** | $ Ea |
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | Up to 40mm Lift | 2 | **FC41382** | $ Ea |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | Up to 40mm Lift | 2 | **BM401382** | $ Ea |

| COIL SPRINGS | | | | |
|---|---|---|---|---|
| | Up to Steel Bar - 40mm lift | 1 | **TDC270** | $ Pr |
| | With Steel Bar & Winch - 40mm lift | 1 | **TDC974** | $ Pr |

| LEAF SPRINGS | | | | |
|---|---|---|---|---|
| | 0-300 kg load | 2 | **FS214C** | $ Ea |
| | CONSTANT 300kg load | 2 | **FS214L** | $ Ea |
| | CONSTANT 500kg load | 2 | **FS214LL** | $ Ea |

| LEAF SPRING FITMENT KIT | | | | | |
|---|---|---|---|---|---|
| | Urethane Shackle bushes | | | TDUK-071 | |
| | U-Bolts | | | TDUB-016 | |
| | Greaseable Shackles | 1 | **TDFK-010** | TDGS-391 | $ Kt |
| | Greaseable Pins | | | TDGP-668 | |
| | Hand Brake Bracket | | | TDSK-021 | |

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

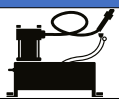
# HOLDEN

**COLORADO**
**RG** **MMU142, GH1700**
**06/2016-2023**
**EST. LIFT FRONT: 40MM | REAR: 40MM**

## FRONT

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|

## REAR

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **AIR ASSIST - BELLOWS** | | | | |
| | Bellows Bag Kit - OEM Height | 1 | **TDAA-118** | $ Kt |
| | Bellows Bag Kit - 40mm Lift | 1 | **TDAA-104** | $ Kt |
| **Note:** Separate Air Assist components can be viewed on page 14. | | | | |
| **AIR ASSIST - BELLOWS WIRELESS AIR SYSTEM** | | | | |
|  | Wireless Air System Suits Bellows Airbags | 1 | **TDAS-001** | $ Kt |

| FRONT INDIVIDUAL COMPONENTS | | | | |
|---|---|---|---|---|
| | Strut Top | 2 | **ISU-4929** | $ Ea |

| REAR INDIVIDUAL COMPONENTS | | | | |
|---|---|---|---|---|
| | Urethane Shackle Bush Kit | 1 | **TDUK-071** | $ Kt |
| | U-Bolt Kit | 2 | **TDUB-016** | $ Kt |
| | Greasable Shackle Kit | 1 | **TDGS-391** | $ Kt |
| | Greasable Pin Kit | 1 | **TDGP-668** | $ Kt |
| | Handbrake relocation bracket - required for MY17 (06/16) On | 1 | **TDSK-021** | $ Ea |

| FRONT REPLACEMENT BUSHES (QTY PER SHOCK) | | | | |
|---|---|---|---|---|
| | Fits bottom eyering | 1 | **ADJ300/40A** | $ Ea |

| REAR REPLACEMENT BUSHES (QTY PER SHOCK) | | | | |
|---|---|---|---|---|
| | Fits top & bottom eyering | 2 | **404702** | $ Ea |

# HOLDEN

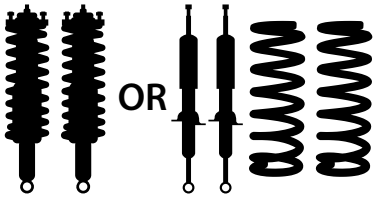
**COLORADO 7**
**TRAILBLAZER**
**12/2012-2023**
**EST. LIFT FRONT: 40MM | REAR: 40MM**

TOUGH DOG 4WD Suspension ... Making Tracks Across the World

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.




| | | |
|---|---|---|
| Assembled struts | 2 | Ea |
| OR | | |
| Struts | 2 | Ea |
| Coil Springs | 1 | Pr |
| Strut Top (Optional) | 2 | Ea |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **ASSEMBLED STRUTS - FOAM CELL** | | | | |
| Assembled struts are made up of: 1 x strut, 1 x coil 1 x strut top | | | | |
| | Up to Steel Bar | 2 | **HOL-003** | $ Ea |
| | With Steel Bar & Winch | 2 | **HOL-004** | $ Ea |
| **ASSEMBLED STRUTS - 40MM ADJUSTABLE** | | | | |
| Assembled struts are made up of: 1 x strut, 1 x coil 1 x strut top | | | | |
| | Up to Steel Bar | 2 | **HOL-001** | $ Ea |
| | With Steel Bar & Winch | 2 | **HOL-002** | $ Ea |
| **STRUT - FOAM CELL** | | | | |
| | Up to 40mm Lift - Strut Only/ No Coil/ No Strut Top | 2 | **FC404200** | $ Ea |
| **STRUT - 40MM ADJUSTABLE** | | | | |
| | Up to 40mm Lift - Strut Only/ No Coil/ No Strut Top | 2 | **BM404200** | $ Ea |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **COIL SPRINGS** | | | | |
| | Up to Steel bar | 1 | **TDC270** | $ Pr |
| | With Steel Bar & Winch | 1 | **TDC974** | $ Pr |

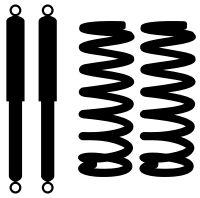
| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FRONT INDIVIDUAL COMPONENTS** | | | | |
| | Strut Top | 2 | **ISU-4929** | $ Ea |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FRONT REPLACEMENT BUSHES (QTY PER SHOCK)** | | | | |
| | Fits bottom eyering | 1 | **ADJ300/40A** | $ Ea |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.



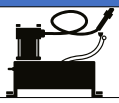
| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Coil Springs | 1 | Pr |
| Coil Insert Airbags (Optional) | 1 | Kt |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **NITROGEN GAS - SHOCK ABSORBER** | | | | |
| | Up to 40mm Lift | 2 | **BD1125T** | $ Ea |
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | Up to 40mm Lift | 2 | **FC41125** | $ Ea |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | Up to 40mm Lift | 2 | **BM401125** | $ Ea |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **COIL SPRINGS** | | | | |
| | 0-300kg load | 1 | **TDC271** | $ Pr |
| | CONSTANT 300kg load | 1 | **TDC271H** | $ Pr |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **AIR ASSIST - COIL INSERT** | | | | |
| | Coil Insert bag - OEM Height | 1 | **TDAA-013** | $ Kt |
| | Coil Insert bag - 40mm lift | 1 | **TDAA-005** | $ Kt |

**Note:** Separate Air Assist components can be viewed on page 14.

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **AIR ASSIST - COIL INSERT WIRELESS AIR SYSTEM** | | | | |
|  | Wireless Air System Suits Coil Insert Airbags | 1 | **TDAS-002** | $ Kt |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **REAR REPLACEMENT BUSHES (QTY PER SHOCK)** | | | | |
| | Fits top pin | 2 | **TW959** | $ Ea |
| | Fits bottom eyering | 1 | **TW040-14** | $ Ea |

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

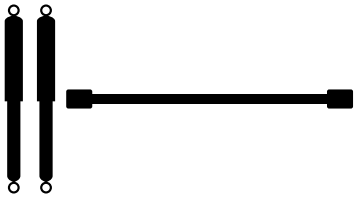
# HYUNDAI
## TERRACAN
## HP
## 12/2001-2008
**EST. LIFT FRONT: 45MM | REAR: 45MM**

TOUGH DOG 4WD Suspension ... Making Tracks Across the World

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Torsion Bar | 1 | Pr |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | Up to 45mm Lift | 2 | **FC42059B** | $ Ea |
| FC42059B is to be used for all front applications | | | | |

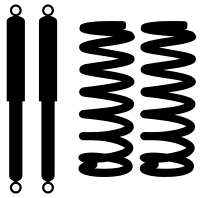
| TORSION BARS | | | | |
|---|---|---|---|---|
|  | 27.5mm/1275mm | 1 | **4WTB-1725** | $ Pr |
| **Note:** Adjust torsion bars after fitting shocks - ensure a minimum of 60mm droop is maintained. | | | | |

| FRONT REPLACEMENT BUSHES (QTY PER SHOCK) | | | | |
|---|---|---|---|---|
| | Fits top pin | 2 | **402267** | $ Ea |
| | Fits bottom eyering | 1 | **412773** | $ Ea |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Coil Springs | 1 | Pr |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | OE Height | 2 | **FC41120B** | $ Ea |
| | 45mm Lift | 2 | **FC41121B** | $ Ea |
| | **40MM ADJUSTABLE - SHOCK ABSORBER** | | | |
| | OE Height | 2 | **BM401120** | $ Ea |
| | 45mm Lift | 2 | **BM401121** | $ Ea |

| COIL SPRINGS | | | | |
|---|---|---|---|---|
| | 0-300kg load | 1 | **TDC680** | $ Pr |
| | CONSTANT 300kg load | 1 | **TDC632SL** | $ Pr |

| REAR REPLACEMENT BUSHES (QTY PER SHOCK) | | | | |
|---|---|---|---|---|
| | Fits top pin | 2 | **402267** | $ Ea |
| | Fits bottom eyering | 1 | **ADJ00191** | $ Ea |

ALL PRICES EXCLUDE FREIGHT. INCLUDE ONLY PERMANENT ACCESSORIES & WEIGHTS WHEN SELECTING SPRINGS. TOWING WEIGHT IS NOT INCLUDED

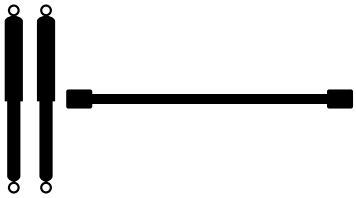
# ISUZU

**D-MAX**
**RA, RC MY09-MY11**
**04/2008-2012**
**EST. LIFT FRONT: 45MM | REAR: 45MM**

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Torsion Bar | 1 | Pr |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | Up to 45mm Lift | 2 | **FC42019B** | $ Ea |

FC42019B is to be fitted to all applications where a Foam Cell or Adjustable shock is fitted to the rear.

### TORSION BARS

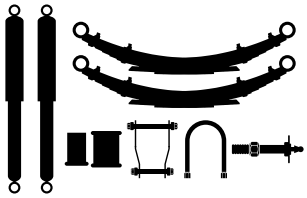
| | | | | |
|---|---|---|---|---|
|  | 30mm/1145mm | 1 | **4WTB-1559** | $ Pr |

**Note:** Adjust torsion bars after fitting shocks - ensure a minimum of 60mm droop is maintained.

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Leaf Springs | 2 | Ea |
| Leaf Spring Fitment kit | 1 | Kt |
| Bellows Airbags (Optional) | 1 | Kt |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **NITROGEN GAS - SHOCK ABSORBER** | | | | |
| | OE Height | 2 | **BD1382T** | $ Ea |
| | 45mm Lift | 2 | **BD1388T** | $ Ea |
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | OE Height | 2 | **FC41382** | $ Ea |
| | 45mm Lift | 2 | **FC41388** | $ Ea |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | OE Height | 2 | **BM401382** | $ Ea |
| | 45mm Lift | 2 | **BM401388** | $ Ea |

### LEAF SPRINGS

| | | | | |
|---|---|---|---|---|
| | 0-300kg load | 2 | **FS213** | $ Ea |
| | CONSTANT 300kg load | 2 | **FS213H** | $ Ea |

### LEAF SPRING FITMENT KIT

| | | | | | |
|---|---|---|---|---|---|
| | Urethane Shackle Bush Kit | 1 | **TDFK-005** | TDUK-065 | $ Kt |
| | U-Bolt Kit | | | TDUB-039 | |
| | Greasable Shackle Kit | | | TDGS-386 | |
| | Greasable Pin Kit | | | TDGP-668 | |

### AIR ASSIST - BELLOWS

| | | | | |
|---|---|---|---|---|
| | Bellows Bag Kit - 45mm Lift | 1 | **TDAA-103** | $ Kt |

**Note:** Separate Air Assist components can be viewed on page 14.

### AIR ASSIST - BELLOWS WIRELESS AIR SYSTEM

| | | | | |
|---|---|---|---|---|
| | Wireless Air System Suits Bellows Bags | 1 | **TDAS-001** | $ Kt |

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

# ISUZU

**D-MAX**
**RA, RC MY09-MY11**
**04/2008-2012**
**EST. LIFT FRONT: 45MM | REAR: 45MM**

## FRONT

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|

## REAR

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **REAR INDIVIDUAL COMPONENTS** | | | | |
| | Urethane Shackle Bush Kit | 1 | **TDUK-065** | $ Kt |
| | U-Bolt Kit | 2 | **TDUB-039** | $ Kt |
| | Greasable Shackle Kit | 1 | **TDGS-386** | $ Kt |
| | Greasable Pin Kit | 1 | **TDGP-668** | $ Kt |

| FRONT REPLACEMENT BUSHES (QTY PER SHOCK) | | | | |
|---|---|---|---|---|
| | Fits top pin | 2 | **TW959** | $ Ea |
| | Fits bottom eyering | 1 | **412772** | $ Ea |

| REAR REPLACEMENT BUSHES (QTY PER SHOCK) | | | | |
|---|---|---|---|---|
| | Fits top & bottom eyering | 2 | **404702** | $ Ea |

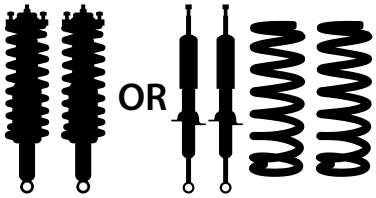
# ISUZU
**D-MAX**
**RT MY12**
**05/2012-04/2016 & 4/2016-8/2020**
**EST. LIFT FRONT: 40MM | REAR: 40MM**

TOUGH DOG 4WD Suspension ... Making Tracks Across the World

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.

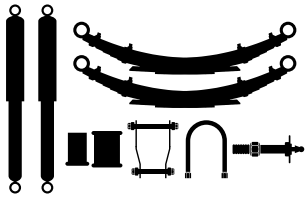



| | | |
|---|---|---|
| Assembled struts | 2 | Ea |
| OR | | |
| Struts | 2 | Ea |
| Coil Springs | 1 | Pr |
| Strut Top (Optional) | 2 | Ea |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Leaf Springs | 2 | Ea |
| Leaf Spring fitment kit (Based on leaf spring choice) | 1 | Kt |
| Bellows Airbags (Optional) | 1 | Kt |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **ASSEMBLED STRUTS - FOAM CELL** | | | | |
| Assembled struts are made up of: 1 x strut, 1 x coil 1 x strut top | | | | |
| | Petrol / Diesel Alloy Bar | 2 | **HOL-003** | $ Ea |
| | Petrol / Diesel Steel Bar | 2 | **HOL-004** | $ Ea |
| | Petrol / Diesel Steel Bar & Winch | 2 | **HOL-006** | $ Ea |
| | **ASSEMBLED STRUTS - 40MM ADJUSTABLE** | | | |
| | Assembled struts are made up of: 1 x strut, 1 x coil 1 x strut top | | | |
| | Petrol / Diesel Up to Alloy Bar | 2 | **HOL-001** | $ Ea |
| | Petrol / Diesel Steel Bar | 2 | **HOL-002** | $ Ea |
| | Petrol / Diesel Steel Bar & Winch | 2 | **HOL-005** | $ Ea |
| **STRUT - FOAM CELL** | | | | |
| | Up to 40mm Lift - Strut Only/ No Coil/ No Strut Top | 2 | **FC404200** | $ Ea |
| | **STRUT - 40MM ADJUSTABLE** | | | |
| | Up to 40mm Lift - Strut Only/ No Coil/ No Strut Top | 2 | **BM404200** | $ Ea |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **NITROGEN GAS - SHOCK ABSORBER** | | | | |
| | Up to 40mm lift | 2 | **BD1382T** | $ Ea |
| | **FOAM CELL - SHOCK ABSORBER** | | | |
| | Up to 40mm Lift | 2 | **FC41382** | $ Ea |
| | Super Soft Ride | 2 | **FC43032** | $ Ea |
| | **40MM ADJUSTABLE - SHOCK ABSORBER** | | | |
| | Up to 40mm Lift | 2 | **BM401382** | $ Ea |

| COIL SPRINGS | | | | |
|---|---|---|---|---|
| | No Accessories 40mm lift | 1 | **TDC270** | $ Pr |
| | Steel Bar 40mm lift | 1 | **TDC974** | $ Pr |
| | Steel Bar / Bar & winch 40mm lift | 1 | **TDC974H** | $ Pr |

| LEAF SPRINGS | | | | |
|---|---|---|---|---|
| | 0-300kg load | 2 | **FS214C** | $ Ea |
| | CONSTANT 300kg load | 2 | **FS214L** | $ Ea |
| | CONSTANT 500kg load | 2 | **FS214LL** | $ Ea |

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

# ISUZU
**D-MAX**
**RT MY12**
**05/2012-04/2016 & 4/2016-8/2020**
**EST. LIFT FRONT: 40MM | REAR: 40MM**

TOUGH DOG 4WD Suspension ... Making Tracks Across the World

## FRONT

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|

## REAR

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **LEAF SPRING FITMENT KIT - FITS 04/2016 TO 8/2020** | | | | |
| | Urethane Shackle bushes | 1 | TDFK-009 | TDUK-071 |
| | U-Bolts | | | TDUB-016 |
| | Greaseable Shackles | | | TDGS-391 |
| | Greaseable Pins | | | TDGP-668 |
| | | | | $ Kt |
| **LEAF SPRING FITMENT KIT- FITS 05/2012 TO 4/2016** | | | | |
| | Urethane Shackle bushes | 1 | TDFK-010 | TDUK-071 |
| | U-Bolts | | | TDUB-016 |
| | Greaseable Shackles | | | TDGS-391 |
| | Greaseable Pins | | | TDGP-668 |
| | Handbrake Relocation Kit | | | TDSK-021 |
| | | | | $ Kt |

| AIR ASSIST - BELLOWS | | | | |
|---|---|---|---|---|
| | Bellows Bag Kit - OEM Height | 1 | **TDAA-118** | $ Kt |
| | Bellows Bag Kit - 40mm Lift | 1 | **TDAA-104** | $ Kt |

**Note:** Separate Air Assist components can be viewed on page 14.

| AIR ASSIST - BELLOWS WIRELESS AIR SYSTEM | | | | |
|---|---|---|---|---|
| | Wireless Air System Suits Bellows Airbags | 1 | **TDAS-001** | $ Kt |

| FRONT INDIVIDUAL COMPONENTS | | | | |
|---|---|---|---|---|
| | Strut Top | 2 | **ISU-4929** | $ Ea |

| REAR INDIVIDUAL COMPONENTS | | | | |
|---|---|---|---|---|
| | Urethane Shackle Bush Kit | 1 | **TDUK-071** | $ Kt |
| | U-Bolt Kit | 2 | **TDUB-016** | $ Kt |
| | Greasable Shackle Kit | 1 | **TDGS-391** | $ Kt |
| | Greasable Pin Kit | 1 | **TDGP-668** | $ Kt |
| | Handbrake relocation bracket | 1 | **TDSK-021** | $ Ea |

**Note:** TDSK-021 Must be fitted to all Kits from 05/2012 to 04/2016.
For 4/2016 to 08/2020 Not required.

| FRONT REPLACEMENT BUSHES (QTY PER SHOCK) | | | | |
|---|---|---|---|---|
| | Fits bottom eyering | 1 | **ADJ300/40A** | $ Ea |

| REAR REPLACEMENT BUSHES (QTY PER SHOCK) | | | | |
|---|---|---|---|---|
| | Fits top & bottom eyering | 2 | **404702** | $ Ea |
| | Fits top & bottom eyering #3032 Super soft only | 2 | **TW038-16** | $ Ea |

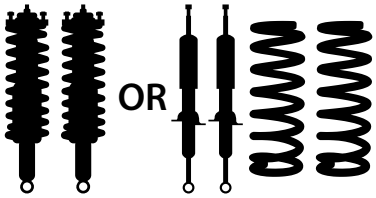
ALL PRICES EXCLUDE FREIGHT. INCLUDE ONLY PERMANENT ACCESSORIES & WEIGHTS WHEN SELECTING SPRINGS. TOWING WEIGHT IS NOT INCLUDED

# ISUZU
**D-MAX**
**RG MY19**
**08/2020 ON**
**EST. LIFT FRONT: 40MM | REAR: 40MM**

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.




| | | |
|---|---|---|
| Assembled struts | 2 | Ea |
| OR | | |
| Struts | 2 | Ea |
| Coil Springs | 1 | Pr |
| Strut Top (Optional) | 2 | Ea |

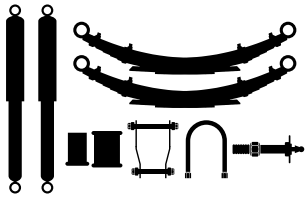
| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **ASSEMBLED STRUTS - FOAM CELL** | | | | |
| Assembled struts are made up of: 1 x strut, 1 x coil 1 x strut top | | | | |
| | No Accessories - 40mm lift | 2 | **ISU-003** | $ Ea |
| | Steel Bar / Bar & winch - 40mm lift | 2 | **ISU-004** | $ Ea |
| **ASSEMBLED STRUTS - 40MM ADJUSTABLE** | | | | |
| Assembled struts are made up of: 1 x strut, 1 x coil 1 x strut top | | | | |
| | No Accessories - 40mm lift | 2 | **ISU-001** | $ Ea |
| | Steel Bar / Bar & winch - 40mm lift | 2 | **ISU-002** | $ Ea |
| **STRUT - FOAM CELL** | | | | |
| | Up to 40mm Lift - Strut Only/ No Coil/ No Strut Top | 2 | **FC404929** | $ Ea |
| **STRUT - 40MM ADJUSTABLE** | | | | |
| | Up to 40mm Lift - Strut Only/ No Coil/ No Strut Top | 2 | **BM404929** | $ Ea |

| COIL SPRINGS | | | | |
|---|---|---|---|---|
| | No Accessories - 40mm lift | 1 | **TDC974** | $ Pr |
| | Bar/ Winch - 40mm lift | 1 | **TDC974H** | $ Pr |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Leaf Springs | 2 | Ea |
| Leaf Spring fitment kit | 1 | Kt |
| Bellows Airbags (Optional) | 1 | Kt |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | Up to 40mm lift | 2 | **FC43035** | $ Ea |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | Up to 40mm lift | 2 | **BM403035** | $ Ea |

| LEAF SPRINGS | | | | |
|---|---|---|---|---|
| | 0-300kg load | 2 | **FS215C** | $ Ea |
| | CONSTANT 300kg load | 2 | **FS214L** | $ Ea |
| | CONSTANT 500kg load | 2 | **FS214LL** | $ Ea |

| LEAF SPRING FITMENT KIT - FITS FS215C | | | | | |
|---|---|---|---|---|---|
| | Urethane Shackle bushes | 1 | **TDFK-011** | TDUK-085 | $ Kt |
| | U-Bolts | | | TDUB-016 | |
| | Greaseable Shackles | | | TDGS-902 | |
| | Greaseable Pins | | | TDGP-668 | |

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

# ISUZU
**D-MAX**
**RG MY19**
**08/2020 ON**
**EST. LIFT FRONT: 40MM | REAR: 40MM**

## FRONT

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|

## REAR

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **LEAF SPRING FITMENT KIT - FITS FS214L & LL** | | | | |
| | Urethane Shackle bushes | | | TDUK-085 |
| | U-Bolts | | | TDUB-016 |
| | Greaseable Shackles | 1 | **TDFK-012** | TDGS-902 $ Kt |
| | Greaseable Pins | | | TDGP-668 |
| | Handbrake Relocation Kit | | | TDSK-021 |

## UPPER CONTROL ARMS

| | | | | |
|---|---|---|---|---|
| | Upper Control Arms | 1 | **TDCA-009** | $ Pr |

Fitment of Tough Dog Upper Control arms to vehicles that have lifts fitted greater than 50mm may suffer from premature ball joint failure due to droop lengths. The use of strut spacers may also affect the performance and longevity of the UCA ball joint due to the limitations of the spherical bearing housing being breached or bound at full suspension droop. There will be no warranty either expressed or implied if the vehicle is used out of legal driving conditions that will include, but is not limited to, jumping of the vehicle.

## AIR ASSIST - BELLOWS

| | | | | |
|---|---|---|---|---|
| | Bellows bag kit - 40mm lift | 1 | **TDAA-131** | $ Kt |
| | Bellows bag kit - OEM height | 1 | **TDAA-130** | $ Kt |

**Note:** Separate Air Assist components can be viewed on page 14.

## UPPER CONTROL ARMS - REPLACEMENT COMPONENTS

| | | | | |
|---|---|---|---|---|
| | Bush Kit to fit one UCA - for TDCA-009 | 1 | **TDSK-026** | $ Ea |
| | Ball joint kit to fit one UCA - for TDCA-009 | 1 | **TDSK-027** | $ Ea |

## AIR ASSIST - BELLOWS WIRELESS AIR SYSTEM

| | | | | |
|---|---|---|---|---|
| | Wireless Air System Suits Bellows Airbags | 1 | **TDAS-001** | $ Kt |

## FRONT INDIVIDUAL COMPONENTS

| | | | | |
|---|---|---|---|---|
| | Strut Top | 2 | **ISU-4929** | $ Ea |

## REAR INDIVIDUAL COMPONENTS

| | | | | |
|---|---|---|---|---|
| | Urethane Shackle Bush Kit | 1 | **TDUK-085** | $ Kt |
| | U-Bolt Kit | 2 | **TDUB-016** | $ Kt |
| | Greasable Shackle Kit | 1 | **TDGS-902** | $ Kt |
| | Greasable Pin Kit | 1 | **TDGP-668** | $ Kt |
| | Handbrake relocation bracket | 1 | **TDSK-021** | $ Ea |

Fits only with L/LL Springs.

## FRONT REPLACEMENT BUSHES (QTY PER SHOCK)

| | | | | |
|---|---|---|---|---|
| | Fits bottom eyering | 1 | **ADJ300/40A** | $ Ea |

## REAR REPLACEMENT BUSHES (QTY PER SHOCK)

| | | | | |
|---|---|---|---|---|
| | Fits top & bottom eyering | 2 | **TW038-16** | $ Ea |

**FOR GVM UPGRADES, SEE PAGE 82**

ALL PRICES EXCLUDE FREIGHT. INCLUDE ONLY PERMANENT ACCESSORIES & WEIGHTS WHEN SELECTING SPRINGS. TOWING WEIGHT IS NOT INCLUDED

# GVM UPGRADE

TOUGH DOG 4WD Suspension ... Making Tracks Across the World

## ISUZU D-MAX

**4X2 / 4X4 'SINGLE CAB' (SX) - 08/2020 ON**
**4X2 / 4X4 'SPACE CAB' (SX, LS-U) - 08/2020 ON**
**4X2 / 4X4 'CREW CAB' (SX, LS-M, LS-U, X-TERRAIN - 08/2020 ON**

FROM **3000KG*** TO **3695KG***

## WHAT YOU GET:

- EXTRA PAYLOAD UP TO **695KG**
- UPGRADED SUSPENSION
- IMPROVED HANDLING & LOAD CARRYING

**VEHICLE SPECIFICATIONS**

| DESCRIPTION | ORIGINAL EQUIPMENT | TOUGH DOG |
|---|---|---|
| FRONT AXLE RATING | 1450KG | **1595KG** |
| REAR AXLE RATING | 1910KG | **2100KG** |
| GROSS VEHICLE MASS (GVM) | 3000KG - 3100KG | **3695KG** |
| TOWING CAPACITY (BRAKED) | 3500KG | **3500KG** |
| GROSS COMBINED MASS (GCM) | 5850KG - 6000KG | **5850KG - 6000KG** |

• Payload increase is based on model variant.

**TOUGH DOG GVM UPGRADES CAN ONLY BE ORDERED THROUGH A TOUGH DOG APPROVED GVM DEALER**

4X2 / 4X4 'SINGLE CAB' (SX) - 08/2020 ON
4X2 / 4X4 'SPACE CAB' (SX, LS-U) - 08/2020 ON
4X2 / 4X4 'CREW CAB' (SX, LS-M, LS-U, X-TERRAIN - 08/2020 ON

| DESCRIPTION | GVM UPGRADE | PART NO | RRP |
|---|---|---|---|
| SINGLE/SPACE CAB \| FRONT: NO ACCESSORIES \| REAR: 400KG MIN. LOAD | 3695KG | TDGVM-052 | |
| CREW CAB \| FRONT: NO ACCESSORIES \| REAR: 300KG MIN. LOAD | 3695KG | TDGVM-052 | |

TOUGH DOG GVM CARRYING LOADS ACROSS AUSTRALIA

## LOGIN INTO THE DEALER PORTAL TO START YOUR GVM ORDER!

**WWW.TOUGHDOG.COM.AU/DEALER/PORTALHOME**

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

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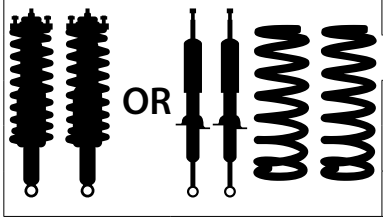
# ISUZU
## MU-X

**08/2014-07/2021**
**EST. LIFT FRONT: 40MM | REAR: 40MM**

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.




| | | |
|---|---|---|
| Assembled struts | 2 | Ea |
| OR | | |
| Struts | 2 | Ea |
| Coil Springs | 1 | Pr |
| Strut Top (Optional) | 2 | Ea |

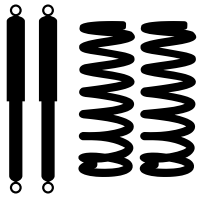
| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **ASSEMBLED STRUTS - FOAM CELL** | | | | |
| Assembled struts are made up of: 1 x strut, 1 x coil 1 x strut top | | | | |
| | No Bar or Alloy Bar | 2 | **HOL-003** | $ Ea |
| | Steel bar | 2 | **HOL-004** | $ Ea |
| | Steel bar or Bar & Winch | 2 | **HOL-006** | $ Ea |
| | **ASSEMBLED STRUTS - 40MM ADJUSTABLE** | | | |
| | Assembled struts are made up of: 1 x strut, 1 x coil 1 x strut top | | | |
| | No Bar or Alloy Bar | 2 | **HOL-001** | $ Ea |
| | Steel bar | 2 | **HOL-002** | $ Ea |
| | Steel bar or Bar & Winch | 2 | **HOL-005** | $ Ea |
| **STRUT - FOAM CELL** | | | | |
| | Up to 40mm Lift - Strut Only / No Coil / No Strut Top | 2 | **FC404200** | $ Ea |
| | **STRUT - 40MM ADJUSTABLE** | | | |
| | Up to 40mm Lift - Strut Only / No Coil / No Strut Top | 2 | **BM404200** | $ Ea |

| COIL SPRINGS | | | | |
|---|---|---|---|---|
| | No Bar or Alloy Bar | 1 | **TDC270** | $ Pr |
| | Steel bar | 1 | **TDC974** | $ Pr |
| | Steel bar or Bar & Winch | 1 | **TDC974H** | $ Pr |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Coil Springs | 1 | Pr |
| Coil Insert Airbags (Optional) | 1 | Kt |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **NITROGEN GAS - SHOCK ABSORBER** | | | | |
| | Up to 40mm lift | 2 | **BD1125T** | $ Ea |
| | **FOAM CELL - SHOCK ABSORBER** | | | |
| | Up to 40mm lift | 2 | **FC41125** | $ Ea |
| | **40MM ADJUSTABLE - SHOCK ABSORBER** | | | |
| | Up to 40mm lift | 2 | **BM401125** | $ Ea |

| COIL SPRINGS | | | | |
|---|---|---|---|---|
| | 0-300kg load | 1 | **TDC272** | $ Pr |
| | CONSTANT 300kg load | 1 | **TDC272H** | $ Pr |

| AIR ASSIST - COIL INSERT | | | | |
|---|---|---|---|---|
| | Coil insert bag - 40mm lift | 1 | **TDAA-005** | $ Kt |
| | Coil insert bag - OEM height | 1 | **TDAA-013** | $ Kt |

**Note:** Separate Air Assist components can be viewed on page 14.

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

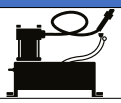
# ISUZU
## MU-X

**08/2014-07/2021**
**EST. LIFT FRONT: 40MM | REAR: 40MM**

### FRONT

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|

### REAR

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **AIR ASSIST - COIL INSERT WIRELESS AIR SYSTEM** | | | | |
|  | Wireless Air System Suits Coil Insert Airbags | 1 | **TDAS-002** | $ Kt |

### FRONT INDIVIDUAL COMPONENTS

| | | | | |
|---|---|---|---|---|
| | Strut Top | 2 | **ISU-4929** | $ Ea |

### FRONT REPLACEMENT BUSHES (QTY PER SHOCK)

| | | | | |
|---|---|---|---|---|
| | Fits bottom eyering | 1 | **ADJ300/40A** | $ Ea |

### REAR REPLACEMENT BUSHES (QTY PER SHOCK)

| | | | | |
|---|---|---|---|---|
| | Fits top pin | 2 | **TW959** | $ Ea |
| | Fits bottom eyering | 1 | **TW040-14** | $ Ea |

# ISUZU

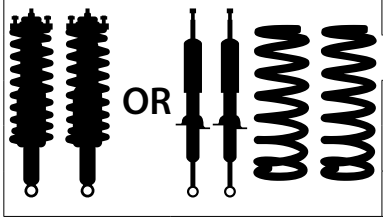
**MU-X**
**MY21**
**07/2021 ON**
**EST. LIFT FRONT: 40MM | REAR: 40MM**

TOUGH DOG 4WD Suspension ... Making Tracks Across the World

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.

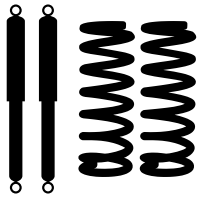



| | | |
|---|---|---|
| Assembled struts | 2 | Ea |
| OR | | |
| Struts | 2 | Ea |
| Coil Springs | 1 | Pr |
| Strut Top (Optional) | 2 | Ea |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.



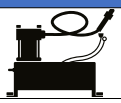
| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Coil Springs | 1 | Pr |
| Coil Insert Airbags (Optional) | 1 | Kt |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **ASSEMBLED STRUTS - FOAM CELL** | | | | |
| Assembled struts are made up of: 1 x strut, 1 x coil 1 x strut top | | | | |
| | With No Accessories | 2 | **ISU-006** | $ Ea |
| | With Steel Bar or Bar & Winch | 2 | **ISU-004** | $ Ea |
| | **ASSEMBLED STRUTS - 40MM ADJUSTABLE** | | | |
| | Assembled struts are made up of: 1 x strut, 1 x coil 1 x strut top | | | |
| | With No Accessories | 2 | **ISU-005** | $ Ea |
| | With Steel Bar or Bar & Winch | 2 | **ISU-002** | $ Ea |
| **STRUT - FOAM CELL** | | | | |
| | Up to 40mm Lift - Strut Only / No Coil / No Strut Top | 2 | **FC404929** | $ Ea |
| | **STRUT - 40MM ADJUSTABLE** | | | |
| | Up to 40mm Lift - Strut Only / No Coil / No Strut Top | 2 | **BM404929** | $ Ea |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **NITROGEN GAS - SHOCK ABSORBER** | | | | |
| | Up to 40mm lift | 2 | **BD1125T** | $ Ea |
| | **FOAM CELL - SHOCK ABSORBER** | | | |
| | Up to 40mm lift | 2 | **FC41125** | $ Ea |
| | **40MM ADJUSTABLE - SHOCK ABSORBER** | | | |
| | Up to 40mm lift | 2 | **BM401125** | $ Ea |

| COIL SPRINGS | | | | |
|---|---|---|---|---|
| | With No Accessories | 1 | **TDC983** | $ Pr |
| | With Steel Bar or Bar & Winch | 1 | **TDC974H** | $ Pr |

| COIL SPRINGS | | | | |
|---|---|---|---|---|
| | 0-300kg load | 1 | **TDC272** | $ Pr |
| | CONSTANT 300kg load | 1 | **TDC272H** | $ Pr |

| AIR ASSIST - COIL INSERT | | | | |
|---|---|---|---|---|
| | Coil insert bag - 40mm lift | 1 | **TDAA-005** | $ Kt |
| | Coil insert bag - OEM height | 1 | **TDAA-013** | $ Kt |
| **Note:** Separate Air Assist components can be viewed on page 14. | | | | |
| **AIR ASSIST - COIL INSERT WIRELESS AIR SYSTEM** | | | | |
|  | Wireless Air System Suits Coil Insert Airbags | 1 | **TDAS-002** | $ Kt |

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

# ISUZU

**MU-X**
**MY21**
**07/2021 ON**
**EST. LIFT FRONT: 40MM | REAR: 40MM**

## FRONT

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FRONT INDIVIDUAL COMPONENTS** | | | | |
| | Strut Top | 2 | **ISU-4929** | $ Ea |

## REAR

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|

| FRONT REPLACEMENT BUSHES (QTY PER SHOCK) | | | | |
|---|---|---|---|---|
| | Fits bottom eyering | 1 | **ADJ300/40A** | $ Ea |

| REAR REPLACEMENT BUSHES (QTY PER SHOCK) | | | | |
|---|---|---|---|---|
| | Fits top pin | 2 | **TW959** | $ Ea |
| | Fits bottom eyering | 1 | **TW040-14** | $ Ea |

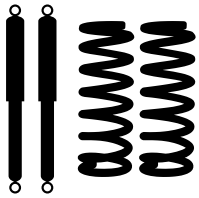
# JEEP
## CHEROKEE
## XJ LIMITED, SPORT
## 04/1994-2001
**EST. LIFT FRONT: 35MM | REAR: 35MM**

TOUGH DOG 4WD Suspension ... Making Tracks Across the World

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Coil Springs | 1 | Pr |
| Steering Damper (Optional) | 1 | Ea |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | OE Height | 2 | **FC41063** | $ Ea |
| | 35mm lift | 2 | **FC41068** | $ Ea |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | OE Height | 2 | **BM401063** | $ Ea |
| | 35mm lift | 2 | **BM401068** | $ Ea |

| COIL SPRINGS | | | | |
|---|---|---|---|---|
| | Up to Steel bar | 1 | **TDC333** | $ Pr |
| | Steel bar & Winch | 1 | **TDC352** | $ Pr |

| STEERING DAMPERS | | | | |
|---|---|---|---|---|
| | Return to Center Damper | 1 | **SS5922-P/S** | $ Ea |
| | 9 Stage Adjustable damper | 1 | **SV5922** | $ Ea |

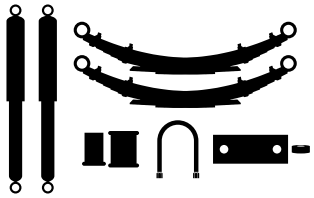
| FRONT REPLACEMENT BUSHES (QTY PER SHOCK) | | | | |
|---|---|---|---|---|
| | Fits top pin | 2 | **TW959** | $ Ea |

**Note:** Bar pin style bushes not user serviceable.

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Leaf Springs | 2 | Ea |
| Urethane Shackle bush kit | 1 | Kt |
| U-Bolt kit | 2 | Kt |
| Transmission spacers | 1 | Kt |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | OE Height | 2 | **FC41241** | $ Ea |
| | 35mm lift | 2 | **FC41249** | $ Ea |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | OE Height | 2 | **BM401241** | $ Ea |
| | 35mm lift | 2 | **BM401249** | $ Ea |

| LEAF SPRINGS | | | | |
|---|---|---|---|---|
| | 0-300kg load | 1 | **FS025H-LH** | $ Ea |
| | 0-300kg load | 1 | **FS025H-RH** | $ Ea |

**Note:** 1 Left hand and 1 right hand side leaf spring pack should be ordered

| REAR INDIVIDUAL COMPONENTS | | | | |
|---|---|---|---|---|
| | Urethane Shackle bush kit | 1 | **TDUK-027** | $ Kt |
| | U-Bolt kit | 2 | **TDUB-027** | $ Kt |
| | Transmission spacers | 1 | **TDSP-002** | $ Kt |

**Note:** Must be fitted with all kits.

| REAR REPLACEMENT BUSHES (QTY PER SHOCK) | | | | |
|---|---|---|---|---|
| | Rear bottom eyering | 1 | **404702** | $ Ea |

**Note:** Bar pin style bushes not user serviceable.

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

# JEEP

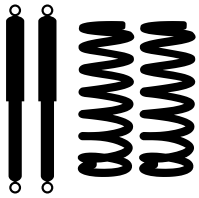
**GRAND CHEROKEE**
**WG, WJ & ZG**
**06/1999-2005 & 04/1996-1999**
**EST. LIFT FRONT: 30MM | REAR: 30MM**

TOUGH DOG 4WD Suspension ... Making Tracks Across the World

## FRONT

### FRONT SUSPENSION CHECK LIST

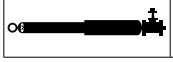
You need to order the following items for the front end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Coil Springs | 1 | Pr |
| Steering Damper (Optional) | 1 | Ea |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | Up to 30mm Lift | 2 | **FC41068** | $ Ea |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | Up to 30mm Lift | 2 | **BM401068** | $ Ea |

| COIL SPRINGS | | | | |
|---|---|---|---|---|
| | ZG 04/1996-1999 Only | 1 | **TDC358** | $ Pr |
| | WG, WJ 06/1999-2005 Only | 1 | **TDC360** | $ Pr |

| STEERING DAMPERS | | | | |
|---|---|---|---|---|
| | Return To Centre Damper - ZG Only | 1 | **SS5922-P/S** | $ Ea |
| | 9 Stage Adjustable Damper - ZG Only | 1 | **SV5922** | $ Ea |
| | Return To Centre Damper - WG, WJ Only | 1 | **SS5924-P/S** | $ Ea |
|  | 9 Stage Adjustable Damper - WG, WJ Only | 1 | **SV5924** | $ Ea |

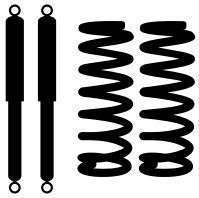
| FRONT REPLACEMENT BUSHES (QTY PER SHOCK) | | | | |
|---|---|---|---|---|
| | Fits bottom eyering | 2 | **TW959** | $ Ea |

**Note:** Bar pin style bushes not user serviceable.

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Coil Springs | 1 | Pr |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | Up to 30mm Lift - ZG Only | 2 | **FC41444** | $ Ea |
| | Up to 30mm Lift - WG, WJ Only | 2 | **FC41190** | $ Ea |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | Up to 30mm Lift - ZG Only | 2 | **BM401444** | $ Ea |
| | Up to 30mm Lift - WG, WJ Only | 2 | **BM401190** | $ Ea |

| COIL SPRINGS | | | | |
|---|---|---|---|---|
| | 0-300kg load ZG 04/1996-1999 Only | 1 | **TDC359** | $ Pr |
| | 0-300kg load - WG, WJ 06/1999-2005 Only | 1 | **TDC361** | $ Pr |

| REAR REPLACEMENT BUSHES (QTY PER SHOCK) | | | | |
|---|---|---|---|---|
| | Fits bottom eyering | 1 | **404702** | $ Ea |

**Note:** Bar pin style bushes not user serviceable.

ALL PRICES EXCLUDE FREIGHT. INCLUDE ONLY PERMANENT ACCESSORIES & WEIGHTS WHEN SELECTING SPRINGS. TOWING WEIGHT IS NOT INCLUDED

# JEEP
## GRAND CHEROKEE
## WK2
## 2011-2015
**EST. LIFT FRONT: 40MM | REAR: 40MM**

TOUGH DOG 4WD Suspension ... Making Tracks Across the World

## FRONT

**FRONT SUSPENSION CHECK LIST**

You need to order the following items for the front end of your vehicle.

| | | | |
|---|---|---|---|
| Shock Absorber | 2 | Ea |
| Coil Springs | 1 | Pr |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | All models | 2 | **FC404930** | $ Ea |

| COIL SPRINGS | | | | |
|---|---|---|---|---|
| | 3.6 V6 Petrol | 1 | **TDC1038** | $ Pr |
| | 3.0 Diesel | 1 | **TDC1040** | $ Pr |
| | 5.7 V8 Petrol | 1 | **TDC1042** | $ Pr |

## REAR

**REAR SUSPENSION CHECK LIST**

You need to order the following items for the rear end of your vehicle.

| | | | |
|---|---|---|---|
| Shock Absorber | 2 | Ea |
| Coil Springs | 1 | Pr |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | All Models | 2 | **FC43038** | $ Ea |

| COIL SPRINGS | | | | |
|---|---|---|---|---|
| | 0-300kg load - V6/V8 Petrol | 1 | **TDC1039** | $ Pr |
| | 0-300kg load - Diesel | 1 | **TDC1041** | $ Pr |

## PRODUCT COMPATIBILITY

This kit is not compatible with the Nivomat (self-levelling suspension) models.

***Standard shocks have an OD of 51mm, while the Nivomat shocks have an OD of 63mm.***

**Note:** Nivomats are self-leveling monotube shock absorbers. They are mounted in the rear of the vehicle and are self-contained meaning they have no air lines or electrical connections.

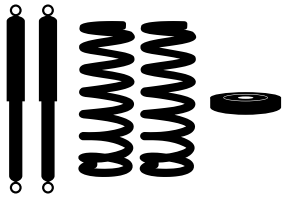
FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

# JEEP
## WRANGLER
## TJ
## 10/1996-2007
**EST. LIFT FRONT: 45MM | REAR: 45MM**

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Coil Springs | 1 | Pr |
| Transmission Spacer | 1 | Ea |
| Steering Damper (Optional) | 1 | Ea |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **NITROGEN GAS - SHOCK ABSORBER** | | | | |
| | OE Height | 2 | **BD1063T** | $ Ea |
| | 45mm Lift | 2 | **BD1068T** | $ Ea |
| | **40MM ADJUSTABLE - SHOCK ABSORBER** | | | |
| | OE Height | 2 | **BM401063** | $ Ea |
| | 45mm Lift | 2 | **BM401068** | $ Ea |

| COIL SPRINGS | | | | |
|---|---|---|---|---|
| | Up to Steel Bar | 1 | **TDC354** | $ Pr |

| STEERING DAMPERS | | | | |
|---|---|---|---|---|
| | Return To Centre | 1 | **SS5922-P/S** | $ Ea |
| | 9 Stage Adjustable Damper | 1 | **SV5922** | $ Ea |

| TRANSMISSION SPACERS | | | | |
|---|---|---|---|---|
| | Transmission Spacer - Manual / Auto 10/1996-2003 Only | 1 | **TDSP-001** | $ Ea |
| | Transmission Spacer - Auto 2003-2007 Only | 1 | **TDSP-005** | $ Ea |
| | Transmission Spacer - Manual 2003-2007 Only | 1 | **TDSP-006** | $ Ea |

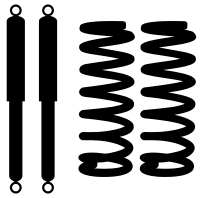
| FRONT REPLACEMENT BUSHES (QTY PER SHOCK) | | | | |
|---|---|---|---|---|
| | Fits top pin | 2 | **TW959** | $ Ea |

**Note:** Bar pin style buses are not user servicable.

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Coil Springs | 1 | Pr |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **NITROGEN GAS - SHOCK ABSORBER** | | | | |
| | OE Height | 2 | **BD1443T** | $ Ea |
| | 45mm Lift | 2 | **BD1461T** | $ Ea |
| | **40MM ADJUSTABLE - SHOCK ABSORBER** | | | |
| | OE Height | 2 | **BM401443** | $ Ea |
| | 45mm Lift | 2 | **BM401461** | $ Ea |

| COIL SPRINGS | | | | |
|---|---|---|---|---|
| | 0-300kg load | 1 | **TDC355** | $ Pr |

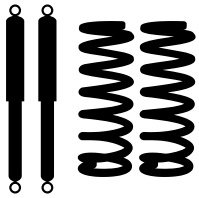
# JEEP
## WRANGLER
## JK
## 03/2007-2018
**EST. LIFT FRONT: 40MM | REAR: 40MM**

TOUGH DOG 4WD Suspension ... Making Tracks Across the World

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Coil Springs | 1 | Pr |
| Steering Damper (Optional) | 1 | Ea |
| Panhard Rod (Optional) | 1 | Ea |

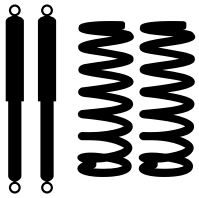
| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | All models | 2 | **BM401069** | $ Ea |

| | | | | |
|---|---|---|---|---|
| **COIL SPRINGS - SWB** | | | | |
| | Up to Steel Bar - Petrol | 1 | **TDC331** | $ Pr |
| | Steel Bar & Winch - Petrol | 1 | **TDC332** | $ Pr |
| | Up to Steel Bar - Diesel | 1 | **TDC332** | $ Pr |
| | Steel Bar & Winch - Diesel | 1 | **TDC338** | $ Pr |
| **COIL SPRINGS - LWB** | | | | |
| | Up to Steel Bar - Petrol | 1 | **TDC337** | $ Pr |
| | Steel Bar & Winch - Petrol | 1 | **TDC338** | $ Pr |
| | Up to Steel Bar - Diesel | 1 | **TDC338** | $ Pr |
| | Steel Bar & Winch - Diesel | 1 | **TDC342** | $ Pr |
| **STEERING DAMPERS** | | | | |
| | 9 Stage Adjustable | 1 | **SV5926** | $ Ea |
| **PANHARD RODS** | | | | |
| | Adjustable | 1 | **TDPR-017** | $ Ea |
| | Replacement bush for panhard rod | 1 | **TDUK-035** | $ Ea |
| **FRONT REPLACEMENT BUSHES (QTY PER SHOCK)** | | | | |
| | Fits top pin | 2 | **TW959** | $ Ea |
| | Fits bottom eye | 1 | **4W-SPF420-02** | $ Ea |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Coil Springs | 1 | Pr |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | All models | 2 | **BM401463** | $ Ea |

| | | | | |
|---|---|---|---|---|
| **COIL SPRINGS - SWB** | | | | |
| | 0-300kg load | 1 | **TDC340** | $ Pr |
| | CONSTANT 300kg load | 1 | **TDC339** | $ Pr |
| **COIL SPRINGS - LWB** | | | | |
| | 0-300kg load | 1 | **TDC339** | $ Pr |
| | CONSTANT 300kg load | 1 | **TDC341** | $ Pr |

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

# JEEP
## WRANGLER
## JL (EX RUBICON)
## 08/2018 ON
**EST. LIFT FRONT: 50MM | REAR: 50MM**

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.

| | | | |
|---|---|---|---|
| Shock Absorber | 2 | Ea |
| Coil Springs | 1 | Pr |
| Steering Damper (Optional) | 1 | Ea |
| Panhard Rod (Optional) | 1 | Ea |
| Lower Control Arm (Optional) | 1 | Pr |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | All exc. Rubicon | 2 | **FC43028** | $ Ea |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | All exc. Rubicon | 2 | **BM403028** | $ Ea |

| COIL SPRINGS | | | | |
|---|---|---|---|---|
| Up to Steel Bar | 1 | **TDC1018** | $ | Pr |
| Steel Bar & Winch | 1 | **TDC1019** | $ | Pr |

| STEERING DAMPERS | | | | |
|---|---|---|---|---|
| 9 Stage Adjustable | 1 | **SV5929** | $ | Ea |

| LOWER CONTROL ARM | | | | |
|---|---|---|---|---|
| Lower Control Arm | 1 | **TDCA-010** | $ | Ea |

Fitment of Tough Dog front lower control arms are recommended to restore wheel alignment castor settings

| PANHARD RODS | | | | |
|---|---|---|---|---|
| Adjustable Panhard Rod | 1 | **TDPR-022** | $ | Ea |
| Replacement Panhard Rod Bush | 1 | **TDUK-035** | $ | Ea |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.

| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Coil Springs | 1 | Pr |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | All exc. Rubicon | 2 | **FC43029** | $ Ea |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | All exc. Rubicon | 2 | **BM403029** | $ Ea |

| COIL SPRINGS | | | | |
|---|---|---|---|---|
| 0-150kg load | 1 | **TDC1020** | $ | Pr |
| 150-300kg load | 1 | **TDC1021** | $ | Pr |

ALL PRICES EXCLUDE FREIGHT. INCLUDE ONLY PERMANENT ACCESSORIES & WEIGHTS WHEN SELECTING SPRINGS. TOWING WEIGHT IS NOT INCLUDED

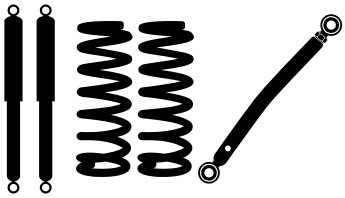
# JEEP
## GLADIATOR
## JT
## 2019 ON
**EST. LIFT FRONT: 50MM | REAR: 40MM**

TOUGH DOG 4WD Suspension ... Making Tracks Across the World

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.

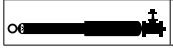


| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Coil Springs | 1 | Pr |
| Lower Control Arms | 1 | Ea |
| Panhard Rod (Optional) | 1 | Ea |
| Steering Damper (Optional) | 1 | Ea |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | Up to 50mm Lift | 2 | **FC43028** | $ Ea |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | Up to 50mm Lift | 2 | **BM403028** | $ Ea |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| | Up to Steel Bar | 1 | **TDC1043** | $ Pr |
| | With Steel Bar & Winch | 1 | **TDC1044** | $ Pr |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| | Lower Control Arms | 1 | **TDCA-010** | $ Ea |
| Fitment of Tough Dog front lower control arms are recommended to restore wheel alignment castor settings | | | | |

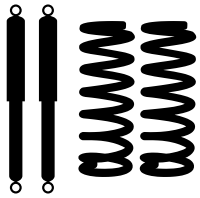
| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
|  | 9 Stage Adjustable | 1 | **SV5929** | $ Ea |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
|  | Adjustable | 1 | **TDPR-022** | $ Ea |
| | Replacement bush for panhard rod | 1 | **TDUK-035** | $ Ea |

## REAR

### REAR SUSPENSION CHECK LIST

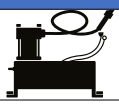
You need to order the following items for the rear end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Coil Springs | 1 | Pr |
| Sway Bar Links | 1 | Ea |
| Panhard Rod (Optional) | 1 | Ea |
| Coil Insert Airbag (Optional) | 1 | Kt |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | Up to 40mm Lift | 2 | **FC43039** | $ Ea |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | Up to 40mm Lift | 2 | **BM403039** | $ Ea |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| | 0-150kg load | 1 | **TDC1045** | $ Pr |
| | 150-300kg load | 1 | **TDC1046** | $ Pr |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| | Coil Insert bag - 40mm lift | 1 | **TDAA-029** | $ Kt |
| | Coil insert Bag - OE Height | 1 | **TDAA-026** | $ Kt |
| **Note:** Separate Air Assist components can be viewed on page 14. | | | | |
| **AIR ASSIST - COIL INSERT WIRELESS AIR SYSTEM** | | | | |
|  | Wireless Air System Suits Coil Insert Airbags | 1 | **TDAS-002** | $ Kt |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
|  | Adjustable | 1 | **TDPR-026** | $ Ea |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| | Sway Bar Links | 1 | **TDSP-022** | $ Ea |
| **Note:** Required for all lifts | | | | |

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

# LANDROVER

**80, 88 SWB, 109 LWB**
**SERIES I, II, IIA & III**
**1953-1983**

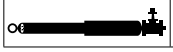
## FRONT

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **NITROGEN GAS - SHOCK ABSORBER** | | | | |
| | Up to 50mm Lift All Models | 2 | **BD2000T** | $ Ea |
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | Up to 50mm Lift All Models | 2 | **FC42000** | $ Ea |

## REAR

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **NITROGEN GAS - SHOCK ABSORBER** | | | | |
| | SWB Series II, III, IIA, III | 2 | **BD3005T** | $ Ea |
| | LWB Series II, III | 2 | **BD1399T** | $ Ea |
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | SWB Series II, III, IIA, III | 2 | **FC43005** | $ Ea |
| | LWB Series II, III | 2 | **FC41399** | $ Ea |

## STEERING DAMPERS

| | | | | |
|---|---|---|---|---|
| | Heavy Duty | 1 | **EXT5000** | $ Ea |
| | Return to Center - Series 1 Only | 1 | **SS5000-M/S** | $ Ea |
|  | 9 Stage adjustable - Series II, IIA & III Only | 1 | **SV5000** | $ Ea |

## FRONT REPLACEMENT BUSHES (QTY PER SHOCK)

| | | | | |
|---|---|---|---|---|
| | Fits Top & Bottom eyering | 2 | **4W-SPF390** | $ Ea |

## REAR REPLACEMENT BUSHES (QTY PER SHOCK)

| | | | | |
|---|---|---|---|---|
| | Fits top & bottom eyering - #3005 P/n | 2 | **4W-SPF390** | $ Ea |
| | Fits Top eyering - #1399 P/n | 1 | **4W-SPF390** | $ Ea |
| | Fits bottom pin - #1399 P/n | 2 | **TW959** | $ Ea |

ALL PRICES EXCLUDE FREIGHT. INCLUDE ONLY PERMANENT ACCESSORIES & WEIGHTS WHEN SELECTING SPRINGS. TOWING WEIGHT IS NOT INCLUDED

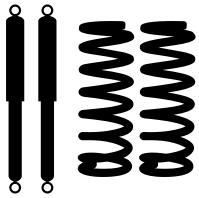
# LANDROVER

**DEFENDER**
**110 COUNTY**
**11/1984-1991**
**EST. LIFT FRONT: 30MM | REAR: 30MM**

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.



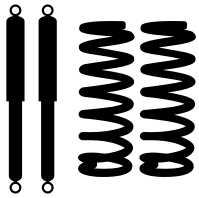
| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Coil Springs | 1 | Pr |
| Steering Damper (Optional) | 1 | Ea |
| Panhard Rod (Optional) | 1 | Ea |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | Up to 30mm Lift All Models | 2 | **FC41049** | $ Ea |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | Up to 30mm Lift All Models | 2 | **BM401049** | $ Ea |
| **45MM ADJUSTABLE- SHOCK ABSORBER** | | | | |
| | Up to 30mm Lift All Models | 2 | **BMX1049/2** | $ Ea |
| **RALPH - SHOCK ABSORBER** | | | | |
| | Up to 30mm Lift All Models | 2 | **TDR1049B** | $ Ea |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Coil Springs | 1 | Pr |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | Up to 30mm Lift - Conical Lower Bushes | 2 | **FC41397** | $ Ea |
| | Flat 45mm Diameter Lower Bush | 2 | **FC41398** | $ Ea |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | Up to 30mm Lift - Conical Lower Bushes | 2 | **BM401397** | $ Ea |
| | Flat 45mm Diameter Lower Bush | 2 | **BM401398** | $ Ea |
| **45MM ADJUSTABLE- SHOCK ABSORBER** | | | | |
| | Up to 30mm Lift - Conical Lower Bushes | 2 | **BMX1397/2** | $ Ea |
| | Flat 45mm Diameter Lower Bush | 2 | **BMX1398/2** | $ Ea |
| **RALPH - SHOCK ABSORBER** | | | | |
| | Up to 30mm Lift - Conical Lower Bushes | 2 | **TDR1397** | $ Ea |
| | Flat 45mm Diameter Lower Bush | 2 | **TDR1398** | $ Ea |

**Note:** Conical Lower Bushes - Fit selected part number If the lower rubber bushes are conical in shape & fit into a metal housing.

**Note:** Flat 45mm in Diameter Lower Bushes - Fit selected part number if the lower rubber bushes are flat & approx. 45mm in diameter.

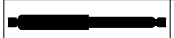
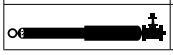
### COIL SPRINGS

| | | | | |
|---|---|---|---|---|
| | Up to Steel Bar - Petrol | 1 | **TDC511** | $ Pr |
| | Steel Bar & Winch - Petrol | 1 | **TDC508H** | $ Pr |
| | Up to Steel Bar - Diesel | 1 | **TDC513** | $ Pr |
| | Steel Bar & Winch - Diesel | 1 | **TDC508H** | $ Pr |

### COIL SPRINGS

| | | | | |
|---|---|---|---|---|
| | 0-300kg load | 1 | **TDC512** | $ Pr |
| | CONSTANT 300kg load | 1 | **TDC512HH** | $ Pr |

### STEERING DAMPER

| | | | | |
|---|---|---|---|---|
|  | Heavy Duty | 1 | **EXT5009** | $ Ea |
| | Return to Center | 1 | **SS5009-P/S** | $ Ea |
|  | 9 Stage Adjustable | 1 | **SV5009** | $ Ea |

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

# LANDROVER

**DEFENDER**
**110 COUNTY**
**11/1984-1991**
**EST. LIFT FRONT: 30MM | REAR: 30MM**

## FRONT

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **PANHARD RODS** | | | | |
| | Adjustable (14mm ID sleeve) - to Chassis #2A626645 | 1 | **TDPR-002** | $ Ea |
| | Replacement Bush kit - TDPR-002 | 1 | **TDUK-028** | $ Kt |
| | Adjustable (16mm ID sleeve) - to Chassis #2626646 | 1 | **TDPR-018** | $ Ea |
| | Replacement Bush kit - TDPR-018 | 1 | **TDUK-029** | $ Kt |

| FRONT INDIVIDUAL COMPONENTS | | | | |
|---|---|---|---|---|
| | 2 Degress Castor Bush Kit with 38mm Wide Arms with 48mm tube length | 1 | **TDUK-059** | $ Kt |
| | Radius Rod to Chassis Bush Kit Fits 38mm Wide Arms | 1 | **TDUK-060** | $ Kt |
| | 2 Degress Castor Bush Kit with 44mm Wide Arms with 54mm tube length | 1 | **TDUK-061** | $ Kt |
| | Radius Rod to Chassis Bush Kit Fits 44mm Wide Arms | 1 | **TDUK-062** | $ Kt |

| FRONT REPLACEMENT BUSHES (QTY PER SHOCK) | | | | |
|---|---|---|---|---|
| | Fit Top Eyering | 4 | **TW957** | $ Ea |

## REAR

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|

| REAR REPLACEMENT BUSHES (QTY PER SHOCK) | | | | |
|---|---|---|---|---|
| | Fit Top Eyering #1398 | 2 | **ADJ00191** | $ Ea |
| | Fit Bottom Pin #1398 | 1 | **TW957** | $ Ea |
| | Fit Top Eyering #1397 | 1 | **415024** | $ Ea |
| | Fit Bottom Pin #1397 | 2 | **TW967** | $ Ea |

# LANDROVER

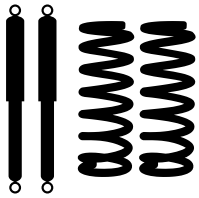
**DEFENDER**
**90 SERIES**
**1992-2016**
**EST. LIFT FRONT: 30MM | REAR: 30MM**

TOUGH DOG 4WD Suspension ... Making Tracks Across the World

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.



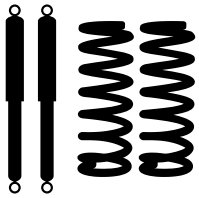
| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Coil Springs | 1 | Pr |
| Panhard Rod (Optional) | 1 | Ea |
| Steering Damper (Optional) | 1 | Ea |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | Up to 30mm Lift | 2 | **FC41049** | $ Ea |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | Up to 30mm Lift | 2 | **BM401049** | $ Ea |
| **45MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | Up to 30mm Lift | 2 | **BMX1049/2** | $ Ea |
| **RALPH - SHOCK ABSORBER** | | | | |
| | Up to 30mm Lift | 2 | **TDR1049B** | $ Ea |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Coil Springs | 1 | Pr |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | Up to 30mm Lift - Conical Lower Bushes | 2 | **FC41397** | $ Ea |
| | Flat 45mm Diameter Lower Bush | 2 | **FC41398** | $ Ea |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | Up to 30mm Lift - Conical Lower Bushes | 2 | **BM401397** | $ Ea |
| | Flat 45mm Diameter Lower Bush | 2 | **BM401398** | $ Ea |
| **45MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | Up to 30mm Lift - Conical Lower Bushes | 2 | **BMX1397/2** | $ Ea |
| | Flat 45mm Diameter Lower Bush | 2 | **BMX1398/2** | $ Ea |
| **RALPH - SHOCK ABSORBER** | | | | |
| | Up to 30mm Lift - Conical Lower Bushes | 2 | **TDR1397** | $ Ea |
| | Flat 45mm Diameter Lower Bush | 2 | **TDR1398** | $ Ea |

**Note:** Conical Lower Bushes - Fit selected part number If the lower rubber bushes are conical in shape & fit into a metal housing.

**Note:** Flat 45mm in Diameter Lower Bushes - Fit selected part number if the lower rubber bushes are flat & approx. 45mm in diameter.

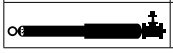
### COIL SPRINGS

| | | | | |
|---|---|---|---|---|
| | Up to Steel Bar - Petrol | 1 | **TDC505** | $ Pr |
| | With Steel Bar & Winch - Petrol | 1 | **TDC535** | $ Pr |
| | Up to Steel Bar - Diesel | 1 | **TDC535** | $ Pr |
| | With Steel Bar & Winch - Diesel | 1 | **TDC504** | $ Pr |

### COIL SPRINGS

| | | | | |
|---|---|---|---|---|
| | 0-300kg load | 1 | **TDC518** | $ Pr |
| | CONSTANT 300kg load | 1 | **TDC518H** | $ Pr |
| | CONSTANT 500kg load | 1 | **TDC504** | $ Pr |

### STEERING DAMPER

| | | | | |
|---|---|---|---|---|
| | Heavy Duty | 1 | **EXT5009** | $ Ea |
| | Return to Center | 1 | **SS5009-P/S** | $ Ea |
|  | 9 Stage Adjustable | 1 | **SV5009** | $ Ea |

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

# LANDROVER

**DEFENDER**
**90 SERIES**
**1992-2016**
**EST. LIFT FRONT: 30MM | REAR: 30MM**

## FRONT

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **PANHARD RODS** | | | | |
| | Adjustable (14mm ID sleeve) - to Chassis #2A626645 | 1 | **TDPR-002** | $ Ea |
| | Replacement Bush kit - TDPR-002 | 1 | **TDUK-028** | $ Kt |
| | Adjustable (16mm ID sleeve) - to Chassis #2626646 | 1 | **TDPR-018** | $ Ea |
| | Replacement Bush kit - TDPR-018 | 1 | **TDUK-029** | $ Kt |

| FRONT INDIVIDUAL COMPONENTS | | | | |
|---|---|---|---|---|
| | 2 Degress Castor Bush Kit with 38mm Wide Arms with 48mm tube length | 1 | **TDUK-059** | $ Kt |
| | Radius Rod to Chassis Bush Kit Fits 38mm Wide Arms | 1 | **TDUK-060** | $ Kt |
| | 2 Degress Castor Bush Kit with 44mm Wide Arms with 54mm tube length | 1 | **TDUK-061** | $ Kt |
| | Radius Rod to Chassis Bush Kit Fits 44mm Wide Arms | 1 | **TDUK-062** | $ Kt |

| FRONT REPLACEMENT BUSHES (QTY PER SHOCK) | | | | |
|---|---|---|---|---|
| | Fit Top Eyering | 4 | **TW957** | $ Ea |

## REAR

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|

| REAR REPLACEMENT BUSHES (QTY PER SHOCK) | | | | |
|---|---|---|---|---|
| | Fit Top Eyering #1398 | 2 | **ADJ00191** | $ Ea |
| | Fit Bottom Pin #1398 | 1 | **TW957** | $ Ea |
| | Fit Top Eyering #1397 | 1 | **415024** | $ Ea |
| | Fit Bottom Pin #1397 | 2 | **TW967** | $ Ea |

ALL PRICES EXCLUDE FREIGHT. INCLUDE ONLY PERMANENT ACCESSORIES & WEIGHTS WHEN SELECTING SPRINGS. TOWING WEIGHT IS NOT INCLUDED

# LANDROVER

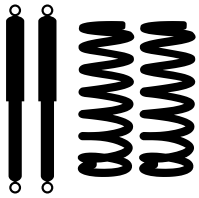
**DEFENDER**
**110, 130 SERIES**
**1992-2016**
**EST. LIFT FRONT: 30MM | REAR: 30MM**

TOUGH DOG 4WD Suspension ... Making Tracks Across the World

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.



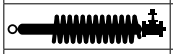
| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Coil Springs | 1 | Pr |
| Panhard Rod (Optional) | 1 | Ea |
| Steering Damper (Optional) | 1 | Ea |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | Up to 30mm Lift | 2 | **FC41049** | $ Ea |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | Up to 30mm Lift | 2 | **BM401049** | $ Ea |
| **45MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | Up to 30mm Lift | 2 | **BMX1049/2** | $ Ea |
| **RALPH - SHOCK ABSORBER** | | | | |
| | Up to 30mm Lift | 2 | **TDR1049B** | $ Ea |

### COIL SPRINGS

| | | | | |
|---|---|---|---|---|
| | Up to Steel Bar-Petrol | 1 | **TDC520** | $ Pr |
| | With Steel Bar & Winch-Petrol | 1 | **TDC514** | $ Pr |

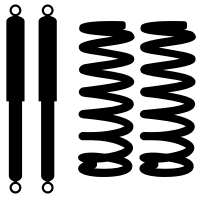
### STEERING DAMPER

| | | | | |
|---|---|---|---|---|
| | Heavy Duty | 1 | **EXT5009** | $ Ea |
|  | Return to Center | 1 | **SS5009-P/S** | $ Ea |
| | 9 Stage Adjustable | 1 | **SV5009** | $ Ea |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Coil Springs | 1 | Pr |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | Up to 30mm Lift - Conical Lower Bushes | 2 | **FC41397** | $ Ea |
| | Flat 45mm Diameter Lower Bush | 2 | **FC41398** | $ Ea |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | Up to 30mm Lift - Conical Lower Bushes | 2 | **BM401397** | $ Ea |
| | Flat 45mm Diameter Lower Bush | 2 | **BM401398** | $ Ea |
| **45MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | Up to 30mm Lift - Conical Lower Bushes | 2 | **BMX1397/2** | $ Ea |
| | Flat 45mm Diameter Lower Bush | 2 | **BMX1398/2** | $ Ea |
| **RALPH - SHOCK ABSORBER** | | | | |
| | Up to 30mm Lift - Conical Lower Bushes | 2 | **TDR1397** | $ Ea |
| | Flat 45mm Diameter Lower Bush | 2 | **TDR1398** | $ Ea |

**Note:** Conical Lower Bushes - Fit selected part number If the lower rubber bushes are conical in shape & fit into a metal housing.

**Note:** Flat 45mm in Diameter Lower Bushes - Fit selected part number if the lower rubber bushes are flat & approx. 45mm in diameter.

### COIL SPRINGS

| | | | | |
|---|---|---|---|---|
| | 0-300kg load - 110 Series | 1 | **TDC536** | $ Pr |
| | 0-500kg load - 130 Series | 1 | **TDC523** | $ Pr |
| | CONSTANT 500kg load - 130 Series | 1 | **TDC522H** | $ Pr |

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

# LANDROVER

**DEFENDER**
**110, 130 SERIES**
**1992-2016**
**EST. LIFT FRONT: 30MM | REAR: 30MM**

## FRONT

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **PANHARD RODS** | | | | |
| | Adjustable (14mm ID sleeve) - to Chassis #2A626645 | 1 | **TDPR-002** | $ Ea |
| | Replacement Bush kit - TDPR-002 | 1 | **TDUK-028** | $ Kt |
| | Adjustable (16mm ID sleeve) - to Chassis #2626646 | 1 | **TDPR-018** | $ Ea |
| | Replacement Bush kit - TDPR-018 | 1 | **TDUK-029** | $ Kt |

| FRONT INDIVIDUAL COMPONENTS | | | | |
|---|---|---|---|---|
| | 2 Degress Castor Bush Kit with 38mm Wide Arms with 48mm tube length | 1 | **TDUK-059** | $ Kt |
| | Radius Rod to Chassis Bush Kit Fits 38mm Wide Arms | 1 | **TDUK-060** | $ Kt |
| | 2 Degress Castor Bush Kit with 44mm Wide Arms with 54mm tube length | 1 | **TDUK-061** | $ Kt |
| | Radius Rod to Chassis Bush Kit Fits 44mm Wide Arms | 1 | **TDUK-062** | $ Kt |

| FRONT REPLACEMENT BUSHES (QTY PER SHOCK) | | | | |
|---|---|---|---|---|
| | Fit Top Eyering | 4 | **TW957** | $ Ea |

## REAR

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|

| REAR REPLACEMENT BUSHES (QTY PER SHOCK) | | | | |
|---|---|---|---|---|
| | Fit Top Eyering #1398 | 2 | **ADJ00191** | $ Ea |
| | Fit Bottom Pin #1398 | 1 | **TW957** | $ Ea |
| | Fit Top Eyering #1397 | 1 | **415024** | $ Ea |
| | Fit Bottom Pin #1397 | 2 | **TW967** | $ Ea |

ALL PRICES EXCLUDE FREIGHT. INCLUDE ONLY PERMANENT ACCESSORIES & WEIGHTS WHEN SELECTING SPRINGS. TOWING WEIGHT IS NOT INCLUDED

# LANDROVER

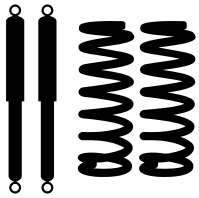
**DISCOVERY**
**SERIES I**
**04/1991-1999**
**EST. LIFT FRONT: 30MM | REAR: 30MM**

TOUGH DOG 4WD Suspension ... Making Tracks Across the World

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.



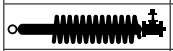
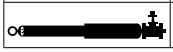
| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Coil Springs | 1 | Pr |
| Panhard Rod (Optional) | 1 | Ea |
| Steering Damper (Optional) | 1 | Ea |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | Up to 30mm Lift | 2 | **FC41049** | $ Ea |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | Up to 30mm Lift | 2 | **BM401049** | $ Ea |
| **45MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | Up to 30mm Lift | 2 | **BMX1049/2** | $ Ea |
| **RALPH - SHOCK ABSORBER** | | | | |
| | Up to 30mm Lift | 2 | **TDR1049B** | $ Ea |

### COIL SPRINGS

| | | | | |
|---|---|---|---|---|
| | Up to Steel bar | 1 | **TDC505** | $ Pr |
| | Steel Bar & Winch | 1 | **TDC504** | $ Pr |

### STEERING DAMPER

| | | | | |
|---|---|---|---|---|
| | Heavy Duty | 1 | **EXT5000** | $ Ea |
|  | Return to Center | 1 | **SS5000-P/S** | $ Ea |
|  | 9 Stage Adjustable | 1 | **SV5000** | $ Ea |

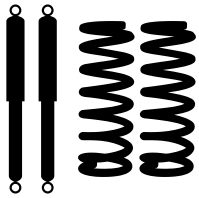
### PANHARD RODS

| | | | | |
|---|---|---|---|---|
|  | Adjustable (14mm ID sleeve) - Up to Chassis #2A626645 | 1 | **TDPR-002** | $ Ea |
| | Replacement Bush kit - TDPR-002 | 1 | **TDUK-028** | $ Ea |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Coil Springs | 1 | Pr |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | Up to 30mm Lift - Conical Lower Bushes | 2 | **FC41397** | $ Ea |
| | Flat 45mm Diameter Lower Bush | 2 | **FC41398** | $ Ea |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | Up to 30mm Lift - Conical Lower Bushes | 2 | **BM401397** | $ Ea |
| | Flat 45mm Diameter Lower Bush | 2 | **BM401398** | $ Ea |
| **45MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | Up to 30mm Lift - Conical Lower Bushes | 2 | **BMX1397/2** | $ Ea |
| | Flat 45mm Diameter Lower Bush | 2 | **BMX1398/2** | $ Ea |
| **RALPH - SHOCK ABSORBER** | | | | |
| | Up to 30mm Lift - Conical Lower Bushes | 2 | **TDR1397** | $ Ea |
| | Flat 45mm Diameter Lower Bush | 2 | **TDR1398** | $ Ea |

**Note:** Conical Lower Bushes - Fit selected part number If the lower rubber bushes are conical in shape & fit into a metal housing.

**Note:** Flat 45mm in Diameter Lower Bushes - Fit selected part number if the lower rubber bushes are flat & approx. 45mm in diameter.

### COIL SPRINGS

| | | | | |
|---|---|---|---|---|
| | 0-300kg load | 1 | **TDC518** | $ Pr |
| | CONSTANT 300kg load | 1 | **TDC518H** | $ Pr |

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

# LANDROVER

**DISCOVERY**
**SERIES I**
**04/1991-1999**
**EST. LIFT FRONT: 30MM | REAR: 30MM**

## FRONT

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FRONT INDIVIDUAL COMPONENTS** | | | | |
| | 2 Degress Castor Bush Kit with 38mm Wide Arms with 48mm tube length | 1 | **TDUK-059** | $ Kt |
| | Radius Rod to Chassis Bush Kit Fits 38mm Wide Arms | 1 | **TDUK-060** | $ Kt |
| | 2 Degress Castor Bush Kit with 44mm Wide Arms with 54mm tube length | 1 | **TDUK-061** | $ Kt |
| | Radius Rod to Chassis Bush Kit Fits 44mm Wide Arms | 1 | **TDUK-062** | $ Kt |

## REAR

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|

| FRONT REPLACEMENT BUSHES (QTY PER SHOCK) | | | | |
|---|---|---|---|---|
| | Fit Top & bottom pin | 4 | **TW957** | $ Ea |

| REAR REPLACEMENT BUSHES (QTY PER SHOCK) | | | | |
|---|---|---|---|---|
| | Fit Top eyering #1397 | 1 | **415024** | $ Ea |
| | Fit Bottom Pin #1397 | 2 | **TW967** | $ Ea |
| | Fit Top eyering #1398 | 1 | **ADJ00191** | $ Ea |
| | Fit Bottom pin #1398 | 2 | **TW957** | $ Ea |

# LANDROVER

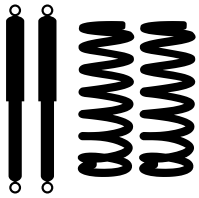
**DISCOVERY**
**SERIES II & III**
**SII - 03/1999-04/2005, SIII - 04/2005-2009**
**EST. LIFT FRONT: 35MM | REAR: 35MM**

TOUGH DOG 4WD Suspension ... Making Tracks Across the World

## FRONT

### FRONT SUSPENSION CHECK LIST

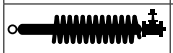
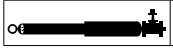
You need to order the following items for the front end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber (Series II) | 2 | Ea |
| Coil Springs (Series II & III) | 1 | Pr |
| Steering Damper (Optional) | 1 | Ea |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | Up to 35mm Lift Series II Only | 2 | **FC41043** | $ Ea |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | Up to 35mm Lift Series II Only | 2 | **BM401043** | $ Ea |

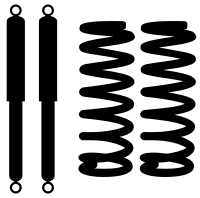
| | | | | |
|---|---|---|---|---|
| **COIL SPRINGS - SERIES II ONLY** | | | | |
| | Up to Steel bar | 1 | **TDC530** | $ Pr |
| | Steel Bar & Winch | 1 | **TDC530H** | $ Pr |
| **COIL SPRINGS - SERIES III ONLY - 40MM LIFT** | | | | |
| | Up to Steel bar | 1 | **TDC545** | $ Pr |
| | Steel Bar & Winch | 1 | **TDC545H** | $ Pr |

| | | | | |
|---|---|---|---|---|
| **STEERING DAMPER** | | | | |
|  | Heavy Duty Replacement | 1 | **EXT5003** | $ Ea |
|  | Return to Center (Only power steering) | 1 | **SS5003-P/S** | $ Ea |
|  | 9 Stage Adjustable | 1 | **SV5003** | $ Ea |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber (Series II) | 2 | Ea |
| Coil Springs (Series II & III) | 1 | Pr |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | Up to 35mm Lift Series II Only | 2 | **FC41396** | $ Ea |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | Up to 35mm Lift Series II Only | 2 | **BM401396** | $ Ea |

| | | | | |
|---|---|---|---|---|
| **COIL SPRINGS - SERIES II ONLY** | | | | |
| | 0-300kg load | 1 | **TDC508** | $ Pr |
| | CONSTANT 300kg load | 1 | **TDC508H** | $ Pr |
| **COIL SPRINGS - SERIES III ONLY - 40MM LIFT** | | | | |
| | 0-300kg load | 1 | **TDC546** | $ Pr |
| | CONSTANT 300kg load | 1 | **TDC546H** | $ Pr |

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

# LANDROVER

**RANGE ROVER**
**CLASSIC - NON AIR SUSPENSION**
**06/1972-1995**
**EST. LIFT FRONT: 35MM | REAR: 35MM**

TOUGH DOG 4WD Suspension ... Making Tracks Across the World

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.

| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Coil Springs | 1 | Pr |
| Panhard Rod (Optional) | 1 | Ea |
| Steering Damper (Optional) | 1 | Ea |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | Up to 35mm Lift Non Air suspension | 2 | **FC41049** | $ Ea |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | Up to 35mm Lift Non Air suspension | 2 | **BM401049** | $ Ea |
| **45MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | Up to 35mm Lift Non Air suspension | 2 | **BMX1049/2** | $ Ea |
| **RALPH - SHOCK ABSORBER** | | | | |
| | Up to 35mm Lift Non Air suspension | 2 | **TDR1049B** | $ Ea |

| COIL SPRINGS | | | | |
|---|---|---|---|---|
| | OE Height - Petrol, Up to steel bar | 1 | **TDC501** | $ Pr |
| | Diesel - Up to Steel bar | 1 | **TDC505** | $ Pr |
| | With Steel bar & winch | 1 | **TDC504** | $ Pr |

| STEERING DAMPERS | | | | |
|---|---|---|---|---|
| | Heavy Duty Replacement | 1 | **EXT5000** | $ Ea |
| | Return to Center (Power Steering Only) | 1 | **SS5000-P/S** | $ Ea |
| | 9 Stage Adjustable | 1 | **SV5000** | $ Ea |

| PANHARD RODS | | | | |
|---|---|---|---|---|
| | Adjustable (14mm ID sleeve) | 1 | **TDPR-002** | $ Ea |
| | Replacement Bush kit - TDPR-002 | 1 | **TDUK-028** | $ Kt |
| | Adjustable (16mm ID sleeve) | 1 | **TDPR-018** | $ Ea |
| | Replacement Bush kit - TDPR-018 | 1 | **TDUK-029** | $ Kt |

| FRONT REPLACEMENT BUSHES (QTY PER SHOCK) | | | | |
|---|---|---|---|---|
| | Fit Top & Bottom Pin | 4 | **TW957** | $ Ea |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.

| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Coil Springs | 1 | Pr |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | Up to 35mm Lift Non Air suspension | 2 | **FC41398** | $ Ea |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | Up to 35mm Lift Non Air suspension | 2 | **BM401398** | $ Ea |
| **45MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | Up to 35mm Lift Non Air suspension | 2 | **BMX1398/2** | $ Ea |
| **RALPH - SHOCK ABSORBER** | | | | |
| | Up to 35mm Lift Non Air suspension | 2 | **TDR1398** | $ Ea |

| COIL SPRINGS | | | | |
|---|---|---|---|---|
| | 0-300kg load | 1 | **TDC504** | $ Pr |
| | CONSTANT 300kg load | 1 | **TDC508** | $ Pr |
| | CONSTANT 500kg load | 1 | **TDC508H** | $ Pr |

| REAR REPLACEMENT BUSHES (QTY PER SHOCK) | | | | |
|---|---|---|---|---|
| | Fit Bottom Pin | 2 | **TW957** | $ Ea |
| | Fit Top Eyering | 1 | **ADJ00191** | $ Ea |

ALL PRICES EXCLUDE FREIGHT. INCLUDE ONLY PERMANENT ACCESSORIES & WEIGHTS WHEN SELECTING SPRINGS. TOWING WEIGHT IS NOT INCLUDED

# LANDROVER

**RANGE ROVER**
**WITH AIR SUSPENSION**
**05/1995-2000**
**EST. LIFT FRONT: 35MM | REAR: 35MM**

TOUGH DOG 4WD Suspension ... Making Tracks Across the World

## FRONT

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | Up to 35mm Lift With Air suspension | 2 | **FC41008** | $ Ea |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | Up to 35mm Lift With Air suspension | 2 | **BM401008** | $ Ea |
| **45MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | Up to 35mm Lift With Air suspension | 2 | **BMX1008/2** | $ Ea |
| **RALPH - SHOCK ABSORBER** | | | | |
| | Up to 35mm Lift With Air suspension | 2 | **TDR1008B** | $ Ea |

## REAR

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | Up to 35mm Lift With Air suspension | 2 | **FC41397** | $ Ea |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | Up to 35mm Lift With Air suspension | 2 | **BM401397** | $ Ea |
| **45MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | Up to 35mm Lift With Air suspension | 2 | **BMX1397/2** | $ Ea |
| **RALPH - SHOCK ABSORBER** | | | | |
| | Up to 35mm Lift With Air suspension | 2 | **TDR1397** | $ Ea |

## STEERING DAMPERS

| | | | | |
|---|---|---|---|---|
| | Heavy Duty replacement | 1 | **EXT5000** | $ Ea |
| | Return to Center (Power Steering Only) | 1 | **SS5000-P/S** | $ Ea |
| | 9 Stage Adjustable | 1 | **SV5000** | Ea |

## PANHARD RODS

| | | | | |
|---|---|---|---|---|
| | Adjustable (14mm ID sleeve) | 1 | **TDPR-002** | $ Ea |
| | Replacement Bush kit - TDPR-002 | 1 | **TDUK-028** | $ Kt |

## FRONT REPLACEMENT BUSHES (QTY PER SHOCK)

| | | | | |
|---|---|---|---|---|
| | Fits top & bottom pins | 2 | **TW957** | $ Ea |

## REAR REPLACEMENT BUSHES (QTY PER SHOCK)

| | | | | |
|---|---|---|---|---|
| | Fits top eyering | 1 | **415024** | $ Ea |
| | Fits bottom pin | 2 | **TW967** | $ Ea |

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

# LADA
## NIVA

**07/1983-1998**
**EST. LIFT FRONT: 25MM | REAR: 25MM**

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.

| | | | |
|---|---|---|---|
| | Shock Absorber | 2 | Ea |
| | Coil Springs | 1 | Pr |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **NITROGEN GAS - SHOCK ABSORBER** | | | | |
| | Up to 25mm lift | 2 | **BD2006T** | $ Ea |

| | | | | |
|---|---|---|---|---|
| **COIL SPRINGS** | | | | |
| | 25mm lift - All applications | 1 | **TDC402** | $ Pr |

| | | | | |
|---|---|---|---|---|
| **FRONT REPLACEMENT BUSHES (QTY PER SHOCK)** | | | | |
| | Fits top pin | 2 | **TW959** | $ Ea |
| | Fits bottom eyering | 1 | **412773** | $ Ea |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.

| | | | |
|---|---|---|---|
| | Shock Absorber | 2 | Ea |
| | Coil Springs | 1 | Pr |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **NITROGEN GAS - SHOCK ABSORBER** | | | | |
| | Up to 25mm lift | 2 | **BD3020T** | $ Ea |

| | | | | |
|---|---|---|---|---|
| **COIL SPRINGS** | | | | |
| | 25mm lift - All applications | 1 | **TDC403** | $ Pr |

| | | | | |
|---|---|---|---|---|
| **REAR REPLACEMENT BUSHES (QTY PER SHOCK)** | | | | |
| | Fits top eyering | 1 | **404702** | $ Ea |
| | Fits bottom eyering | 1 | **4W-SPF420-02** | $ Ea |

ALL PRICES EXCLUDE FREIGHT. INCLUDE ONLY PERMANENT ACCESSORIES & WEIGHTS WHEN SELECTING SPRINGS. TOWING WEIGHT IS NOT INCLUDED

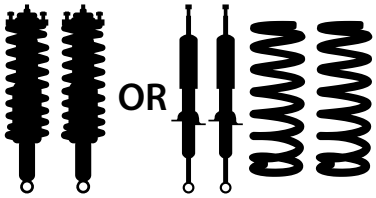
# LDV
## T60

**2017 ON**
**EST. LIFT FRONT: 40MM | REAR: 40MM**

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.

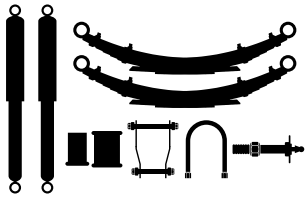



| | | |
|---|---|---|
| Assembled struts | 2 | Ea |
| OR | | |
| Struts | 2 | Ea |
| Coil Springs | 1 | Pr |
| Strut Top (Optional) | 2 | Ea |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Leaf Springs | 2 | Ea |
| Leaf Spring Fitment kit | 1 | Kt |
| Bellows Airbags (Optional) | 1 | Kt |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **ASSEMBLED STRUTS - FOAM CELL** | | | | |
| Assembled struts are made up of: 1 x strut, 1 x coil 1 x strut top | | | | |
| | No bar or Alloy bar | 2 | **LDV-004** | $ Ea |
| | With Steel bar | 2 | **LDV-005** | $ Ea |
| | With Steel bar & winch | 2 | **LDV-006** | $ Ea |
| | **ASSEMBLED STRUTS - 40MM ADJUSTABLE** | | | |
| | Assembled struts are made up of: 1 x strut, 1 x coil 1 x strut top | | | |
| | No bar or Alloy bar | 2 | **LDV-001** | $ Ea |
| | With Steel bar | 2 | **LDV-002** | $ Ea |
| | With Steel bar & winch | 2 | **LDV-003** | $ Ea |
| **STRUT - FOAM CELL** | | | | |
| | Up to 40mm Lift - Strut Only/ No Coil/ No Strut top | 2 | **FC404926** | $ Ea |
| | **STRUT - 40MM ADJUSTABLE** | | | |
| | Up to 40mm Lift - Strut Only/ No Coil/ No Strut top | 2 | **BM404926** | $ Ea |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | Up to 40mm Lift | 2 | **FC43032** | $ Ea |
| | **40MM ADJUSTABLE - SHOCK ABSORBER** | | | |
| | Up to 40mm Lift | 2 | **BM403032** | $ Ea |

| COIL SPRINGS | | | | |
|---|---|---|---|---|
| | No bar or Alloy bar | 1 | **TDC270** | $ Pr |
| | With Steel bar | 1 | **TDC974** | $ Pr |
| | With Steel bar & winch | 1 | **TDC974H** | $ Pr |

| LEAF SPRINGS | | | | |
|---|---|---|---|---|
| | 0-300kg load | 2 | **FS214C** | $ Ea |
| | CONSTANT 300kg load | 2 | **FS214L** | $ Ea |
| | CONSTANT 500kg load | 2 | **FS214LL** | $ Ea |

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

# LDV
## T60

**2017 ON**
**EST. LIFT FRONT: 40MM | REAR: 40MM**

## FRONT

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|

## REAR

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **LEAF SPRING FITMENT KIT** | | | | |
| | Urethane Shackle bushes | 1 | TDFK-013 | TDUK-071 |
| | U-Bolts | | | TDUB-016 |
| | Greaseable Shackles | | | TDGS-391 |
| | Greaseable Pins | | | TDGP-668 |
| | Transmission Spacer | | | TDSP-020 |
| | Headlight Levelling Relocator | | | TDSP-019 |
| | | | | $ Kt |

| | | | | |
|---|---|---|---|---|
| **AIR ASSIST - BELLOWS** | | | | |
| | Bellows bag kit - 40mm lift | 1 | **TDAA-126** | $ Kt |
| | Bellows bag kit - OEM height | 1 | **TDAA-125** | $ Kt |
| **Note:** Separate Air Assist components can be viewed on page 14. | | | | |
| **AIR ASSIST - BELLOWS WIRELESS AIR SYSTEM** | | | | |
| | Wireless Air System Suits Bellows Bags | 1 | **TDAS-001** | $ Kt |

| | | | | |
|---|---|---|---|---|
| **FRONT INDIVIDUAL COMPONENTS** | | | | |
| | Strut Top | 2 | **ISU-4929** | $ Ea |

| | | | | |
|---|---|---|---|---|
| **REAR INDIVIDUAL COMPONENTS** | | | | |
| | Urethane Shackle bushes | 1 | **TDUK-071** | $ Kt |
| | U-Bolts | 2 | **TDUB-016** | $ Kt |
| | Greaseable shackle kit | 1 | **TDGS-391** | $ Kt |
| | Greaseable pin kit | 1 | **TDGP-668** | $ Kt |
| | Centre bearing spacer kit | 1 | **TDSP-020** | $ Ea |
| **Note:** Must be fitted to all kits. | | | | |
| | Headlight Levelling Relocator | 1 | **TDSP-019** | $ Ea |
| **Note:** Must be fitted to all kits. | | | | |

# LDV
## T60 MAX

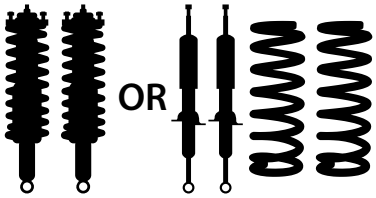
**09/2021 ON**
**EST. LIFT FRONT: 40MM | REAR: 40MM**

TOUGH DOG 4WD Suspension ... Making Tracks Across the World

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.

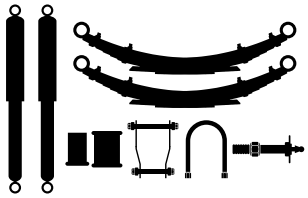



| | | |
|---|---|---|
| Assembled struts | 2 | Ea |
| OR | | |
| Struts | 2 | Ea |
| Coil Springs | 1 | Pr |
| Strut Top (Optional) | 2 | Ea |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Leaf Springs | 2 | Ea |
| Leaf Spring Fitment kit | 1 | Kt |
| Bellows Airbags (Optional) | 1 | Kt |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **ASSEMBLED STRUTS - FOAM CELL** | | | | |
| Assembled struts are made up of: 1 x strut, 1 x coil 1 x strut top | | | | |
| | No bar or Alloy bar | 2 | **LDV-004** | $ Ea |
| | With Steel bar | 2 | **LDV-005** | $ Ea |
| | With Steel bar & winch | 2 | **LDV-006** | $ Ea |
| **ASSEMBLED STRUTS - 40MM ADJUSTABLE** | | | | |
| Assembled struts are made up of: 1 x strut, 1 x coil 1 x strut top | | | | |
| | No bar or Alloy bar | 2 | **LDV-001** | $ Ea |
| | With Steel bar | 2 | **LDV-002** | $ Ea |
| | With Steel bar & winch | 2 | **LDV-003** | $ Ea |
| **STRUT - FOAM CELL** | | | | |
| | Up to 40mm Lift - Strut Only/ No Coil/ No Strut top | 2 | **FC404926** | $ Ea |
| **STRUT - 40MM ADJUSTABLE** | | | | |
| | Up to 40mm Lift - Strut Only/ No Coil/ No Strut top | 2 | **BM404926** | $ Ea |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | Up to 40mm Lift | 2 | **FC43032** | $ Ea |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | Up to 40mm Lift | 2 | **BM403032** | $ Ea |

| COIL SPRINGS | | | | |
|---|---|---|---|---|
| | No bar or Alloy bar | 1 | **TDC270** | $ Pr |
| | With Steel bar | 1 | **TDC974** | $ Pr |
| | With Steel bar & winch | 1 | **TDC974H** | $ Pr |

| LEAF SPRINGS | | | | |
|---|---|---|---|---|
| | 0-300kg load | 2 | **FS214C** | $ Ea |
| | CONSTANT 300kg load | 2 | **FS214L** | $ Ea |
| | CONSTANT 500kg load | 2 | **FS214LL** | $ Ea |

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

# LDV
## T60 MAX

**09/2021 ON**
**EST. LIFT FRONT: 40MM | REAR: 40MM**

TOUGH DOG 4WD Suspension ... Making Tracks Across the World

## FRONT

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|

## REAR

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **LEAF SPRING FITMENT KIT** | | | | |
| | Urethane Shackle bushes | 1 | **TDFK-009** | TDUK-071 |
| | U-Bolts | | | TDUB-016 |
| | Greaseable Shackles | | | TDGS-391 |
| | Greaseable Pins | | | TDGP-668 |
| | | | | $ Kt |

| | | | | |
|---|---|---|---|---|
| **AIR ASSIST - BELLOWS** | | | | |
| | Bellows bag kit - OEM height | 1 | **TDAA-118** | $ Kt |
| | Bellows bag kit - 40mm lift | 1 | **TDAA-104** | $ Kt |
| **Note:** Separate Air Assist components can be viewed on page 14. | | | | |
| **AIR ASSIST - BELLOWS WIRELESS AIR SYSTEM** | | | | |
| | Wireless Air System Suits Bellows Bags | 1 | **TDAS-001** | $ Kt |

## FRONT INDIVIDUAL COMPONENTS

| | | | | |
|---|---|---|---|---|
| | Strut Top | 2 | **ISU-4929** | $ Ea |

## REAR INDIVIDUAL COMPONENTS

| | | | | |
|---|---|---|---|---|
| | Urethane Shackle bushes | 1 | **TDUK-071** | $ Kt |
| | U-Bolts | 2 | **TDUB-016** | $ Kt |
| | Greaseable shackle kit | 1 | **TDGS-391** | $ Kt |
| | Greaseable pin kit | 1 | **TDGP-668** | $ Kt |

ALL PRICES EXCLUDE FREIGHT. INCLUDE ONLY PERMANENT ACCESSORIES & WEIGHTS WHEN SELECTING SPRINGS. TOWING WEIGHT IS NOT INCLUDED

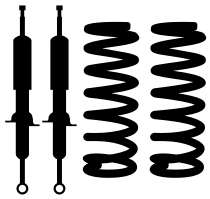
# MAHINDRA

**THAR**
**(EXPORT ONLY)**
**09/2020 - ON**
**EST. LIFT FRONT: 40MM | REAR: 40MM**

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.



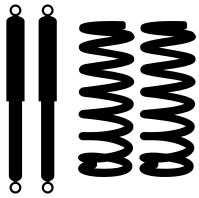
| | | |
|---|---|---|
| Struts | 2 | Ea |
| Coil Springs | 1 | Pr |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **SHOCK ABSORBER** | | | | |
| | Up to 40mm Lift - Strut Only / No Coil / No Strut top | 2 | **FC31008** | $ Ea |
| **COIL SPRINGS** | | | | |
| | 40mm Lift Up to Steel Bar | 1 | **TDC1082** | $ Pr |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Coil Springs | 1 | Pr |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **SHOCK ABSORBER** | | | | |
| | Up to 40mm Lift | 2 | **FC31009** | $ Ea |
| **COIL SPRINGS** | | | | |
| | 0-300kg load | 1 | **TDC1083** | $ Pr |

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

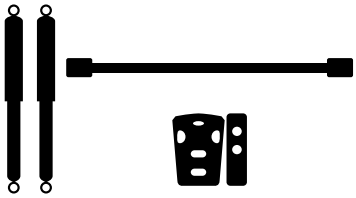
# MAZDA

**B2500, B2600, B4000**
**PC, PD, PE, PG, PH**
**1986-2006**
**EST. LIFT FRONT: 40MM | REAR: 40MM**

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Torsion Bar | 1 | Pr |
| Shock strengthening bracket | 1 | Ea |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | Up to 40mm lift | 2 | **FC42051B** | $ Ea |

**Note:** FC42051B is to be fitted to all applications where a Foam Cell or Adjustable shock is fitted to the rear

| | | | | |
|---|---|---|---|---|
| **TORSION BAR** | | | | |
|  | 26mm / 926mm | 1 | **4WTB-1546** | $ Pr |

**Note:** Adjust torsion bars after fitting shocks - ensure a minimum of 60mm droop is maintained

| | | | | |
|---|---|---|---|---|
| **FRONT INDIVIDUAL COMPONENTS** | | | | |
| | Shock mount strengthening kit | 1 | **TDSK-020** | $ Ea |

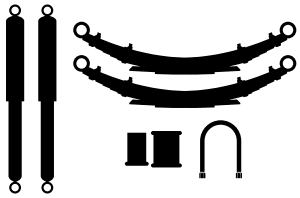
**Note:** Failure to fit TDSK-020 will cause top mount failure.

| | | | | |
|---|---|---|---|---|
| **FRONT REPLACEMENT BUSHES (QTY PER SHOCK)** | | | | |
| | Fits top pin | 1 | **TW959** | $ Ea |
| | Fits top pin | 1 | **TW961** | $ Ea |
| | Fits bottom eyering- #42057 Only | 1 | **4W-SPF420-05** | $ Ea |
| | Fits bottom eyering - #42051 Only | 1 | **4W-SPF420-02** | $ Ea |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Leaf Springs | 2 | Ea |
| Urethane Shackle bush kit | 1 | Kt |
| U-Bolts | 2 | Kt |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | Up to 40mm lift | 2 | **FC41232** | $ Ea |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | Up to 40mm lift | 2 | **BM401232** | $ Ea |

| | | | | |
|---|---|---|---|---|
| **LEAF SPRING** | | | | |
| | 0-300kg load | 2 | **FS365** | $ Ea |
| | CONSTANT 300kg load | 2 | **FS367** | $ Ea |

| | | | | |
|---|---|---|---|---|
| **REAR INDIVIDUAL COMPONENTS** | | | | |
| | Urethane Shackle bush kit | 1 | **TDUK-034** | $ Kt |
| | U-Bolt kit | 2 | **TDUB-005** | $ Kt |

| | | | | |
|---|---|---|---|---|
| **REAR REPLACEMENT BUSHES (QTY PER SHOCK)** | | | | |
| | Fits top eyering Foam cell | 1 | **ADJ00191** | $ Ea |
| | Fits bottom eyering Foam cell | 1 | **4W-SPF420-02** | $ Ea |
| | Fits top eyering Adjustable | 1 | **230100** | $ Ea |
| | Fits bottom eyering Adjustable | 1 | **230002** | $ Ea |

ALL PRICES EXCLUDE FREIGHT. INCLUDE ONLY PERMANENT ACCESSORIES & WEIGHTS WHEN SELECTING SPRINGS. TOWING WEIGHT IS NOT INCLUDED

# MAZDA

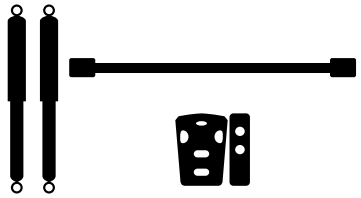
**BT-50**
**B2500, B3000**
**11/2006-10/2011**
**EST. LIFT FRONT: 45MM | REAR: 45MM**

TOUGH DOG 4WD Suspension ... Making Tracks Across the World

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Torsion Bar | 1 | Pr |
| Shock strengthening bracket | 1 | Ea |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | Up to 45mm Lift | 2 | **FC42051B** | $ Ea |

**Note:** FC42051B is to be fitted to all applications where a Foam Cell or Adjustable shock is fitted to the rear

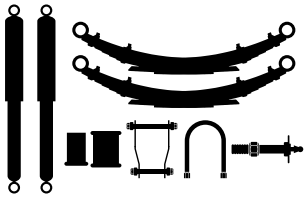
| | | | | |
|---|---|---|---|---|
| **TORSION BAR** | | | | |
|  | 27mm / 1028mm | 1 | **4WTB-1440** | $ Pr |

**Note:** Adjust torsion bars after fitting shocks - ensure a minimum of 60mm droop is maintained

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Leaf Springs | 2 | Ea |
| Leaf Spring Fitment Kit (Based on Leaf Spring Choice) | 1 | Kt |
| Bellows Airbags (Optional) | 1 | Kt |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | Up to 45mm Lift | 2 | **FC41232** | $ Ea |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | Up to 45mm Lift | 2 | **BM401232** | $ Ea |

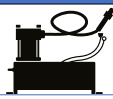
| | | | | |
|---|---|---|---|---|
| **LEAF SPRING** | | | | |
| | 0-300kg load | 1 | **FS368C-LH** | $ Ea |
| | | 1 | **FS368C-RH** | $ Ea |
| | CONSTANT 300kg load | 1 | **FS368L-LH** | $ Ea |
| | | 1 | **FS368L-RH** | $ Ea |

**Note:** 1 Left hand and 1 right hand side leaf spring pack should be ordered.

| | | | | | |
|---|---|---|---|---|---|
| **LEAF SPRING FITMENT KIT - FITS FS368L** | | | | | |
| | Urethane Shackle bushes<br>U-Bolts<br>Greaseable Shackles<br>Greaseable Pins | 1 | **TDFK-001** | TDUK-069<br>TDUB-039<br>TDGS-386/1<br>TDGP-668 | $ Kt |
| **LEAF SPRING FITMENT KIT - FITS FS368C** | | | | | |
| | Urethane Shackle bushes<br>U-Bolts<br>Greaseable Shackles<br>Greaseable Pins | 1 | **TDFK-002** | TDUK-069<br>TDUB-040<br>TDGS-386/1<br>TDGP-668 | $ Kt |

| | | | | |
|---|---|---|---|---|
| **AIR ASSIST - BELLOWS** | | | | |
| | Bellows bag kit - OEM height | 1 | **TDAA-117** | $ Kt |
| | Bellows bag kit - 45mm lift | 1 | **TDAA-101** | $ Kt |

**Note:** Separate Air Assist components can be viewed on page 14.

| | | | | |
|---|---|---|---|---|
| **AIR ASSIST - BELLOWS WIRELESS AIR SYSTEM** | | | | |
|  | Wireless Air System Suits Bellows Bags | 1 | **TDAS-001** | $ Kt |

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

# MAZDA

**BT-50**
**B2500, B3000**
**11/2006-10/2011**
**EST. LIFT FRONT: 45MM | REAR: 45MM**

## FRONT

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FRONT INDIVIDUAL COMPONENTS** | | | | |
| | Shock mount strengthening kit | 1 | **TDSK-020** | $ 105 Ea |
| **Note:** Failure to fit TDSK-020 will cause top mount failure. | | | | |

## REAR

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **REAR INDIVIDUAL COMPONENTS** | | | | |
| | Urethane Shackle bush kit | 1 | **TDUK-069** | $ Kt |
| | U-Bolt kit - FS368C Only | 2 | **TDUB-040** | $ Kt |
| | U-Bolt kit - FS368L Only | 2 | **TDUB-039** | $ Kt |
| | Greaseable Shackle kit | 1 | **TDGS-386/1** | $ Kt |
| | Greaseable Pin kit | 1 | **TDGP-668** | $ Kt |

| FRONT REPLACEMENT BUSHES (QTY PER SHOCK) | | | | |
|---|---|---|---|---|
| | Fits top pin | 1 | **TW959** | $ Ea |
| | Fits top pin | 1 | **TW961** | $ Ea |
| | Fits bottom eyering - #42057 Only | 1 | **4W-SPF420-05** | $ Ea |
| | Fits bottom eyering - #42051 Only | 1 | **4W-SPF420-02** | $ Ea |

| REAR REPLACEMENT BUSHES (QTY PER SHOCK) | | | | |
|---|---|---|---|---|
| | Fits top eyering Foam cell | 1 | **ADJ00191** | $ Ea |
| | Fits bottom eyering Foam cell | 1 | **4W-SPF420-02** | $ Ea |
| | Fits top eyering Adjustable | 1 | **230100** | $ Ea |
| | Fits bottom eyering Adjustable | 1 | **230002** | $ Ea |

# MAZDA

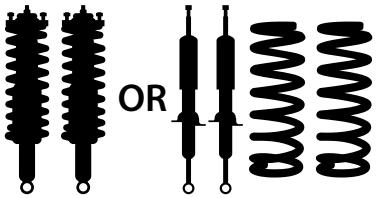
**BT-50**
**UP, UR**
**11/2011-08/2020**
**EST. LIFT FRONT: 40MM | REAR: 40MM**

TOUGH DOG 4WD Suspension ... Making Tracks Across the World

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.

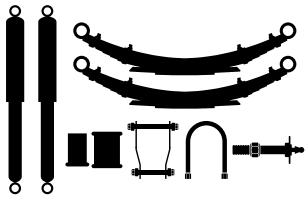



| | | |
|---|---|---|
| Assembled struts | 2 | Ea |
| OR | | |
| Struts | 2 | Ea |
| Coil Springs | 1 | Pr |
| Strut Top (Optional) | 2 | Ea |
| Upper Control Arms (Optional) | 1 | Pr |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Leaf Springs | 2 | Ea |
| Leaf Spring Fitment Kit (Based on Leaf Spring Choice) | 1 | Kt |
| Bellows Airbags (Optional) | 1 | Kt |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **ASSEMBLED STRUTS - FOAM CELL** | | | | |
| Assembled struts are made up of: 1 x strut, 1 x coil 1 x strut top | | | | |
| | Up to Steel Bar | 1 | **MAZ-003-LH** | $ Ea |
| | | 1 | **MAZ-003-RH** | |
| | With Steel Bar & Winch | 1 | **MAZ-004-LH** | $ Ea |
| | | 1 | **MAZ-004-RH** | |
| **ASSEMBLED STRUTS - 40MM ADJUSTABLE** | | | | |
| Assembled struts are made up of: 1 x strut, 1 x coil 1 x strut top | | | | |
| | Up to Steel Bar | 1 | **MAZ-001-LH** | $ Ea |
| | | 1 | **MAZ-001-RH** | |
| | With Steel Bar & Winch | 1 | **MAZ-002-LH** | $ Ea |
| | | 1 | **MAZ-002-RH** | |
| **STRUT - FOAM CELL** | | | | |
| | Up to 40mm Lift - Strut Only/ No Coil/ No Strut top | 2 | **FC404500** | $ Ea |
| **STRUT - 40MM ADJUSTABLE** | | | | |
| | Up to 40mm Lift - Strut Only/ No Coil/ No Strut top | 2 | **BM404500** | $ Ea |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | Up to 40mm Lift | 2 | **FC41232** | $ Ea |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | Up to 40mm Lift | 2 | **BM401232** | $ Ea |

| COIL SPRINGS | | | | |
|---|---|---|---|---|
| | Up to Steel Bar | 1 | **TDC451** | $ Pr |
| | With Steel bar or bar and winch | 1 | **TDC451HL** | $ Pr |

| LEAF SPRINGS | | | | |
|---|---|---|---|---|
| | 0-300kg load | 2 | **FS369C** | $ Ea |
| | CONSTANT 300kg load | 2 | **FS369L** | $ Ea |
| | CONSTANT 500kg load | 2 | **FS369LL** | $ Ea |

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

# MAZDA

**BT-50**
**UP, UR**
**11/2011-08/2020**
**EST. LIFT FRONT: 40MM | REAR: 40MM**

## FRONT

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|

## FRONT

| CONTENT | DESCRIPTION | QTY | PART NO | | RRP |
|---|---|---|---|---|---|
| **LEAF SPRING FITMENT KIT - FITS FS369L & LL** | | | | | |
| | Urethane Shackle bushes | | | TDUK-070 | |
| | U-Bolts | | | TDUB-039 | |
| | Greaseable Shackles | 1 | **TDFK-003** | TDGS-390 | $ Kt |
| | Greaseable Pins | | | TDGP-668 | |
| | Transmission Spacer Kit | | | TDSP-007 | |
| **LEAF SPRING FITMENT KIT - FITS FS369C** | | | | | |
| | Urethane Shackle bushes | | | TDUK-070 | |
| | U-Bolts | | | TDUB-040 | |
| | Greaseable Shackles | 1 | **TDFK-004** | TDGS-390 | $ Kt |
| | Greaseable Pins | | | TDGP-668 | |
| | Transmission Spacer Kit | | | TDSP-007 | |

## UPPER CONTROL ARMS

| | | | | |
|---|---|---|---|---|
| Upper Control Arms | 1 | **TDCA-003** | $ | Pr |

Fitment of Tough Dog Upper Control arms to vehicles that have lifts fitted greater than 50mm may suffer from premature ball joint failure due to droop lengths. The use of strut spacers may also affect the performance and longevity of the UCA ball joint due to the limitations of the spherical bearing housing being breached or bound at full suspension droop. There will be no warranty either expressed or implied if the vehicle is used out of legal driving conditions that will include, but is not limited to, jumping of the vehicle.

## AIR ASSIST - BELLOWS

| | | | | |
|---|---|---|---|---|
| Bellows Bags Kit - OEM Height | 1 | **TDAA-116** | $ | Kt |
| Bellows Bags Kit - 40mm Lift | 1 | **TDAA-102** | $ | Kt |

**Note:** Separate Air Assist components can be viewed on page 14.

## UPPER CONTROL ARMS - REPLACEMENT COMPONENTS

| | | | | |
|---|---|---|---|---|
| Bush Kit to fit one UCA - for TDCA-003 | 1 | **TDSK-003** | $ | Ea |
| Ball joint kit to fit one UCA - for TDCA-003 | 1 | **TDSK-004** | $ | Ea |

## AIR ASSIST - BELLOWS WIRELESS AIR SYSTEM

| | | | | |
|---|---|---|---|---|
| Wireless Air System Suits Bellows Airbags | 1 | **TDAS-001** | $ | Kt |

## FRONT INDIVIDUAL COMPONENTS

| | | | | |
|---|---|---|---|---|
| Strut Top | 2 | **MAZ-4051** | $ | Ea |

## REAR INDIVIDUAL COMPONENTS

| | | | | |
|---|---|---|---|---|
| Urethane shackle bush kit | 1 | **TDUK-070** | $ | Kt |
| U-Bolt kit - FS369C Only | 2 | **TDUB-040** | $ | Kt |
| U-Bolt kit - FS369L & FS369LL Only | 2 | **TDUB-039** | $ | Kt |
| Greaseable shackle kit | 1 | **TDGS-390** | $ | Kt |
| Greaseable pin kit | 1 | **TDGP-668** | $ | Kt |
| Transmission Spacer kit | 1 | **TDSP-007** | $ | Ea |

**Note:** Must be fitted to all Kits.

## FRONT REPLACEMENT BUSHES (QTY PER SHOCK)

| | | | | |
|---|---|---|---|---|
| Fits bottom eyering | 1 | **ADJ00305** | $ | Ea |

## REAR REPLACEMENT BUSHES (QTY PER SHOCK)

| | | | | |
|---|---|---|---|---|
| Fits top eyering Foam Cell | 1 | **ADJ00191** | $ | Ea |
| Fits bottom eyering Foam Cell | 1 | **4W-SPF420-02** | $ | Ea |
| Fits top eyering Adjustable | 1 | **230100** | $ | Ea |
| Fits bottom eyering Adjustable | 1 | **230002** | $ | Ea |

ALL PRICES EXCLUDE FREIGHT. INCLUDE ONLY PERMANENT ACCESSORIES & WEIGHTS WHEN SELECTING SPRINGS. TOWING WEIGHT IS NOT INCLUDED

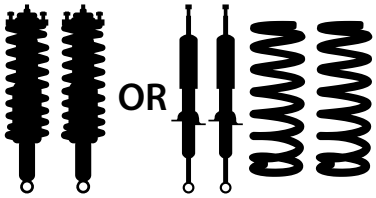
# MAZDA

**BT-50**
**TF**
**08/2020 ON**
**EST. LIFT FRONT: 40MM | REAR: 40MM**

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.

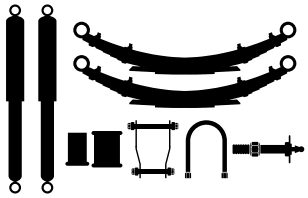



| | | |
|---|---|---|
| Assembled struts | 2 | Ea |
| OR | | |
| Struts | 2 | Ea |
| Coil Springs | 1 | Pr |
| Strut Top (Optional) | 2 | Ea |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Leaf Springs | 2 | Ea |
| Leaf Spring Fitment kit | 1 | Kt |
| Bellows Airbags (Optional) | 1 | Kt |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **ASSEMBLED STRUTS - FOAM CELL** | | | | |
| Assembled struts are made up of: 1 x strut, 1 x coil 1 x strut top | | | | |
| | No Accessories | 1 | **ISU-003** | $ Ea |
| | With Steel Bar or Bar and Winch | 1 | **ISU-004** | $ Ea |
| **ASSEMBLED STRUTS - 40MM ADJUSTABLE** | | | | |
| Assembled struts are made up of: 1 x strut, 1 x coil 1 x strut top | | | | |
| | No Accessories | 1 | **ISU-001** | $ Ea |
| | With Steel Bar or Bar and Winch | 1 | **ISU-002** | $ Ea |
| **STRUT - FOAM CELL** | | | | |
| | Up to 40mm Lift - Strut Only/ No Coil/ No Strut top | 2 | **FC404929** | $ Ea |
| **STRUT - 40MM ADJUSTABLE** | | | | |
| | Up to 40mm Lift - Strut Only/ No Coil/ No Strut top | 2 | **BM404929** | $ Ea |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | Up to 40mm Lift | 2 | **FC43035** | $ Ea |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | Up to 40mm Lift | 2 | **BM403035** | $ Ea |

| COIL SPRINGS | | | | |
|---|---|---|---|---|
| | No Accessories | 1 | **TDC974** | $ Pr |
| | With Steel Bar or Bar & Winch | 1 | **TDC974H** | $ Pr |

| LEAF SPRINGS | | | | |
|---|---|---|---|---|
| | 0-300kg load | 2 | **FS215C** | $ Ea |
| | CONSTANT 300KG load | 2 | **FS214L** | $ Ea |
| | CONSTANT 500KG load | 2 | **FS214LL** | $ Ea |

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

# MAZDA

**BT-50**
**TF**
**08/2020 ON**
**EST. LIFT FRONT: 40MM | REAR: 40MM**

## FRONT

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|

## FRONT

| CONTENT | DESCRIPTION | QTY | PART NO | | RRP |
|---|---|---|---|---|---|
| **LEAF SPRING FITMENT KIT - FITS FS215C** | | | | | |
| | Urethane Shackle bushes<br>U-Bolts<br>Greaseable Shackles<br>Greaseable Pins | 1 | **TDFK-011** | TDUK-085<br>TDUB-016<br>TDGS-902<br>TDGP-668 | $ Kt |
| **LEAF SPRING FITMENT KIT - FITS FS214L & LL** | | | | | |
| | Urethane Shackle bushes<br>U-Bolts<br>Greaseable Shackles<br>Greaseable Pins<br>Handbrake Relocation Kit | 1 | **TDFK-012** | TDUK-085<br>TDUB-016<br>TDGS-902<br>TDGP-668<br>TDSK-021 | $ Kt |

## UPPER CONTROL ARMS

| | | | | |
|---|---|---|---|---|
| | Upper Control Arms | 1 | **TDCA-009** | $ Pr |

Fitment of Tough Dog Upper Control arms to vehicles that have lifts fitted greater than 50mm may suffer from premature ball joint failure due to droop lengths. The use of strut spacers may also affect the performance and longevity of the UCA ball joint due to the limitations of the spherical bearing housing being breached or bound at full suspension droop. There will be no warranty either expressed or implied if the vehicle is used out of legal driving conditions that will include, but is not limited to, jumping of the vehicle.

## AIR ASSIST - BELLOWS

| | | | | |
|---|---|---|---|---|
| | Bellows bag kit - OEM height | 1 | **TDAA-130** | $ Kt |
| | Bellows bag kit - 40mm lift | 1 | **TDAA-131** | $ Kt |

**Note:** Separate Air Assist components can be viewed on page 14.

## UPPER CONTROL ARMS - REPLACEMENT COMPONENTS

| | | | | |
|---|---|---|---|---|
| | Bush Kit to fit one UCA - for TDCA-009 | 1 | **TDSK-026** | $ Ea |
| | Ball joint kit to fit one UCA - for TDCA-009 | 1 | **TDSK-027** | $ Ea |

## AIR ASSIST - BELLOWS WIRELESS AIR SYSTEM

| | | | | |
|---|---|---|---|---|
| | Wireless Air System Suits Bellows Airbags | 1 | **TDAS-001** | $ Kt |

## FRONT INDIVIDUAL COMPONENTS

| | | | | |
|---|---|---|---|---|
| | Strut Top | 2 | **ISU-4929** | $ Ea |

## REAR INDIVIDUAL COMPONENTS

| | | | | |
|---|---|---|---|---|
| | Urethane Shackle bush kit | 1 | **TDUK-085** | $ Kt |
| | U-Bolt kit | 2 | **TDUB-016** | $ Kt |
| | Greaseable Shackle kit | 1 | **TDGS-902** | $ Kt |
| | Greaseable Pin kit | 1 | **TDGP-668** | $ Kt |
| | Handbrake Relocation Bkt - Only with FS214L & FS214LL | 1 | **TDSK-021** | $ Ea |

## FRONT REPLACEMENT BUSHES (QTY PER SHOCK)

| | | | | |
|---|---|---|---|---|
| | Fits bottom eyering | 1 | **ADJ300/40A** | $ Ea |

## REAR REPLACEMENT BUSHES (QTY PER SHOCK)

| | | | | |
|---|---|---|---|---|
| | Rear top & bottom eyering | 2 | **TW038-16** | $ Ea |

**FOR GVM UPGRADES, SEE PAGE 120**

ALL PRICES EXCLUDE FREIGHT. INCLUDE ONLY PERMANENT ACCESSORIES & WEIGHTS WHEN SELECTING SPRINGS. TOWING WEIGHT IS NOT INCLUDED

# GVM UPGRADE

## MAZDA BT-50

4X2 / 4X4 'SINGLE CAB' (XT) - 2021 ON
4X2 / 4X4 'FREESTYLE CAB' (XT) - 2021 ON
4X2 / 4X4 'DUAL CAB' (XT, XTR, GT) - 2021 ON

FROM **3000KG*** TO **3695KG***

## WHAT YOU GET:

- EXTRA PAYLOAD UP TO **695KG**
- UPGRADED SUSPENSION
- IMPROVED HANDLING & LOAD CARRYING

| VEHICLE SPECIFICATIONS | | |
|---|---|---|
| DESCRIPTION | ORIGINAL EQUIPMENT | TOUGH DOG |
| FRONT AXLE RATING | 1450KG | **1595KG** |
| REAR AXLE RATING | 1910KG | **2100KG** |
| GROSS VEHICLE MASS (GVM) | 3000KG - 3100KG | **3695KG** |
| TOWING CAPACITY (BRAKED) | 3500KG | **3500KG** |
| GROSS COMBINED MASS (GCM) | 5850KG - 6000KG | **5850KG - 6000KG** |
| • Payload increase is based on model variant. | | |

**TOUGH DOG GVM UPGRADES CAN ONLY BE ORDERED THROUGH A TOUGH DOG APPROVED GVM DEALER**

4X2 / 4X4 'SINGLE CAB' (XT) - 2021 ON
4X2 / 4X4 'FREESTYLE CAB' (XT) - 2021 ON
4X2 / 4X4 'DUAL CAB' (XT, XTR, GT) - 2021 ON

| DESCRIPTION | GVM UPGRADE | PART NO | RRP |
|---|---|---|---|
| SINGLE/FREESTYLE CAB \| FRONT: NO ACCESSORIES \| REAR: 400KG MIN. LOAD | 3695KG | TDGVM-053 | |
| DUAL CAB \| FRONT: NO ACCESSORIES \| REAR: 300KG MIN. LOAD | 3695KG | TDGVM-053 | |

TOUGH DOG GVM
CARRYING LOADS ACROSS AUSTRALIA

## LOGIN INTO THE DEALER PORTAL TO START YOUR GVM ORDER!

**WWW.TOUGHDOG.COM.AU/DEALER/PORTALHOME**

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

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# MERCEDES-BENZ

## X-CLASS UTE

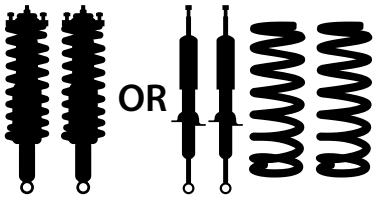
**12/2017-06/2020**

**EST. LIFT FRONT: 35MM | REAR: 35MM**

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.




| | | |
|---|---|---|
| Assembled struts | 2 | Ea |
| OR | | |
| Struts | 2 | Ea |
| Coil Springs | 1 | Pr |
| Strut Top (Optional) | 2 | Ea |
| Upper Control Arms (Optional) | 1 | Pr |

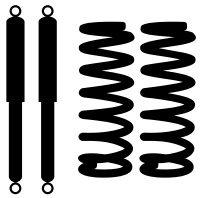
| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **ASSEMBLED STRUTS - FOAM CELL** | | | | |
| Assembled struts are made up of: 1 x strut, 1 x coil 1 x strut top | | | | |
| | No Accessories | 2 | **MEC-003** | $ Ea |
| | With Steel Bar or Bar and Winch | 2 | **MEC-004** | $ Ea |
| **ASSEMBLED STRUTS - 40MM ADJUSTABLE** | | | | |
| Assembled struts are made up of: 1 x strut, 1 x coil 1 x strut top | | | | |
| | No Accessories | 2 | **MEC-001** | $ Ea |
| | With Steel Bar or Bar and Winch | 2 | **MEC-002** | $ Ea |
| **STRUT - FOAM CELL** | | | | |
| | Up to 35mm Lift - Strut Only/ No Coil/ No Strut top | 2 | **FC404925** | $ Ea |
| **STRUT - 40MM ADJUSTABLE** | | | | |
| | Up to 35mm Lift - Strut Only/ No Coil/ No Strut top | 2 | **BM404925** | $ Ea |

| COIL SPRINGS | | | | |
|---|---|---|---|---|
| | No Accessories | 1 | **TDC1008** | $ Pr |
| | With Steel Bar or Bar & Winch | 1 | **TDC1009** | $ Pr |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Coil Springs | 1 | Pr |
| Panhard Rod (Optional) | 1 | Ea |
| Coil Insert Airbags (Optional) | 1 | Kt |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | Up to 35mm Lift | 2 | **FC41369** | $ Ea |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | Up to 35mm Lift | 2 | **BM401369** | $ Ea |

| COIL SPRINGS | | | | |
|---|---|---|---|---|
| | 0-300kg load | 1 | **TDC774** | $ Pr |
| | CONSTANT 300kg load | 1 | **TDC774H** | $ Pr |
| | CONSTANT 500kg load | 1 | **TDC774VHL** | $ Pr |

| PANHARD RODS | | | | |
|---|---|---|---|---|
| | Adjustable panhard rod | 1 | **TDPR-300** | $ Ea |

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

# MERCEDES-BENZ

## X-CLASS UTE

**12/2017-06/2020**

**EST. LIFT FRONT: 35MM | REAR: 35MM**

## FRONT

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **UPPER CONTROL ARMS** | | | | |
| | Upper Control Arms | 1 | **TDCA-007** | $ Pr |

Fitment of Tough Dog Upper Control arms to vehicles that have lifts fitted greater than 50mm may suffer from premature ball joint failure due to droop lengths. The use of strut spacers may also affect the performance and longevity of the UCA ball joint due to the limitations of the spherical bearing housing being breached or bound at full suspension droop. There will be no warranty either expressed or implied if the vehicle is used out of legal driving conditions that will include, but is not limited to, jumping of the vehicle.

## REAR

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **AIR ASSIST - COIL INSERT** | | | | |
| | Coil insert bag kit - OE Height only | 1 | **TDAA-016** | $ Kt |
| | Coil insert bag kit - 35mm lift | 1 | **TDAA-007** | $ Kt |

**Note:** Separate Air Assist components can be viewed on page 14.

| UPPER CONTROL ARMS - REPLACEMENT COMPONENTS | | | | |
|---|---|---|---|---|
| | Bush Kit to fit one UCA - for TDCA-007 | 1 | **TDSK-011** | $ Ea |
| | Ball joint kit to fit one UCA - for TDCA-007 | 1 | **TDSK-012** | $ Ea |

| AIR ASSIST - COIL INSERT WIRELESS AIR SYSTEM | | | | |
|---|---|---|---|---|
| | Wireless Air System Suits Coil Insert Airbags | 1 | **TDAS-002** | $ Kt |

| FRONT INDIVIDUAL COMPONENTS | | | | |
|---|---|---|---|---|
| | Strut Top | 2 | **NIS-3030** | $ Ea |

| FRONT REPLACEMENT BUSHES (QTY PER SHOCK) | | | | |
|---|---|---|---|---|
| | Front bottom eyering | 1 | **ADJ300/40A** | $ Ea |

| REAR REPLACEMENT BUSHES (QTY PER SHOCK) | | | | |
|---|---|---|---|---|
| | Rear top eyering | 1 | **404702** | $ Ea |
| | Rear bottom eyering | 1 | **TW042-14** | $ Ea |

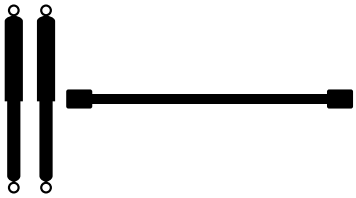
# MITSUBISHI

**CHALLENGER**
**PA** **LEAF REAR**
**03/1998-2000**
**EST. LIFT FRONT: 35MM | REAR: 35MM**

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Torsion Bar | 1 | Pr |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | Up to 35mm Lift | 2 | **FC42057B** | $ Ea |

**Note:** FC42057B is to be fitted to all applications where a Foam Cell or Adjustable shock is fitted to the rear

| TORSION BAR | | | | |
|---|---|---|---|---|
|  | 27.5mm / 1307mm | 1 | **4WTB-0203** | $ Pr |

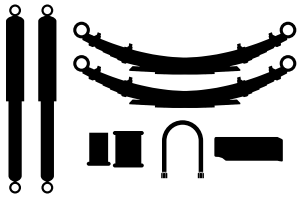
**Note:** Adjust torsion bars after fitting shocks - ensure a minimum of 60mm droop is maintained

| FRONT REPLACEMENT BUSHES (QTY PER SHOCK) | | | | |
|---|---|---|---|---|
| | Front top pin | 2 | **TW959** | $ Ea |
| | Front bottom eyering | 1 | **412772** | $ Ea |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Leaf Springs | 2 | Ea |
| Urethane Bush kit | 1 | Kt |
| U-Bolt kits | 2 | Kt |
| Anti Inversion kit | 1 | Ea |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **NITROGEN GAS - SHOCK ABSORBER** | | | | |
| | Up to 35mm Lift | 2 | **BD1382T** | $ Ea |
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | Up to 35mm Lift | 2 | **FC41382** | $ Ea |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | Up to 35mm Lift | 2 | **BM401382** | $ Ea |

| LEAF SPRINGS | | | | |
|---|---|---|---|---|
| | 0-300kg load | 2 | **FS021** | $ Ea |

| REAR INDIVIDUAL COMPONENTS | | | | |
|---|---|---|---|---|
| | Urethane shackle bush kit | 1 | **TDUK-066/31** | $ Kt |
| | U-bolt kit | 2 | **TDUB-006** | $ Kt |
| | Anti inversion bracket kit | 1 | **TDSK-023** | $ Ea |

**Note:** Must be fitted to all kits.

| REAR REPLACEMENT BUSHES (QTY PER SHOCK) | | | | |
|---|---|---|---|---|
| | Rear top eyering | 2 | **404702** | $ Ea |

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

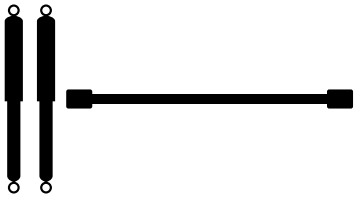
# MITSUBISHI

**CHALLENGER**
**PA II (COIL REAR)**
**06/2000-2007**
**EST. LIFT FRONT: 35MM | REAR: 35MM**

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Torsion Bar | 1 | Pr |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | FC42057B | 2 | **FC42057B** | $ Ea |

**Note:** FC42057B is to be fitted to all applications where a Foam Cell or Adjustable shock is fitted to the rear

| TORSION BAR | | | | |
|---|---|---|---|---|
| | 27.5mm / 1307mm | 1 | **4WTB-0203** | $ Pr |

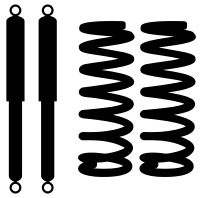
**Note:** Adjust torsion bars after fitting shocks - ensure a minimum of 60mm droop is maintained

| FRONT REPLACEMENT BUSHES (QTY PER SHOCK) | | | | |
|---|---|---|---|---|
| | Front top pin | 2 | **TW959** | $ Ea |
| | Front bottom eyering | 1 | **412772** | $ Ea |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Coil Springs | 1 | Pr |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | Up to 35mm Lift | 2 | **FC41439** | $ Ea |
| | **40MM ADJUSTABLE - SHOCK ABSORBER** | | | |
| | Up to 35mm Lift | 2 | **BM401439** | $ Ea |

| COIL SPRINGS | | | | |
|---|---|---|---|---|
| | 0-300kg load | 2 | **TDC640** | $ Pr |
| | CONSTANT 300kg load | 2 | **TDC632SL** | $ Pr |

| REAR REPLACEMENT BUSHES (QTY PER SHOCK) | | | | |
|---|---|---|---|---|
| | Rear top eyering | 1 | **404702** | $ Ea |
| | Rear bottom eyering | 1 | **TW038-16** | $ Ea |

ALL PRICES EXCLUDE FREIGHT. INCLUDE ONLY PERMANENT ACCESSORIES & WEIGHTS WHEN SELECTING SPRINGS. TOWING WEIGHT IS NOT INCLUDED

# MITSUBISHI

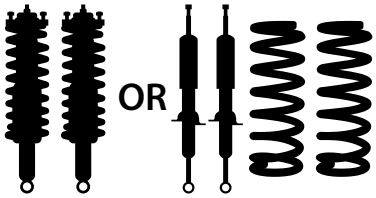
**CHALLENGER/PAJERO SPORT**
**PB & PC**
**2009-2015**
**EST. LIFT FRONT: 25MM | REAR: 25MM**

TOUGH DOG 4WD Suspension ... Making Tracks Across the World

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.




| | | |
|---|---|---|
| Assembled struts | 2 | Ea |
| OR | | |
| Struts | 2 | Ea |
| Coil Springs | 1 | Pr |
| Strut Top (Optional) | 2 | Ea |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **ASSEMBLED STRUTS - FOAM CELL** | | | | |
| Assembled struts are made up of: 1 x strut, 1 x coil 1 x strut top | | | | |
| | Up to Steel bar | 2 | **MIT-060/03** | $ Ea |
| | With Steel Bar & Winch | 2 | **MIT-060/04** | $ Ea |
| **ASSEMBLED STRUTS - 40MM ADJUSTABLE** | | | | |
| Assembled struts are made up of: 1 x strut, 1 x coil 1 x strut top | | | | |
| | Up to Steel bar | 2 | **MIT-060/01** | $ Ea |
| | With Steel Bar & Winch | 2 | **MIT-060/02** | $ Ea |

| | | | | |
|---|---|---|---|---|
| **STRUT - FOAM CELL** | | | | |
| | Up to 25mm Lift - Strut Only/ No Coil/ No Strut top | 2 | **FC404800** | $ Ea |
| **STRUT - 40MM ADJUSTABLE** | | | | |
| | Up to 25mm Lift - Strut Only/ No Coil/ No Strut top | 2 | **BM404800** | $ Ea |

| | | | | |
|---|---|---|---|---|
| **COIL SPRINGS** | | | | |
| | Up to bar | 1 | **TDC670** | $ Pr |
| | With Bar & Winch | 1 | **TDC670H** | $ Pr |

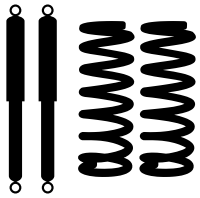
| | | | | |
|---|---|---|---|---|
| **FRONT INDIVIDUAL COMPONENTS** | | | | |
| | Strut Top | 2 | **MIT-4040** | $ Ea |

| | | | | |
|---|---|---|---|---|
| **FRONT REPLACEMENT BUSHES (QTY PER SHOCK)** | | | | |
| | Front bottom eyering | 1 | **ADJ300/50** | $ Ea |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Coil Springs | 1 | Pr |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | Up to 25mm Lift | 2 | **FC41440B** | $ Ea |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | Up to 25mm Lift | 2 | **BM401440** | $ Ea |

| | | | | |
|---|---|---|---|---|
| **COIL SPRINGS** | | | | |
| | 0-300kg load | 1 | **TDC636L** | $ Pr |
| | CONSTANT 300kg load | 1 | **TDC636HL** | $ Pr |
| Use of CONSTANT load springs without load will result in tailshaft vibration | | | | |

| | | | | |
|---|---|---|---|---|
| **REAR REPLACEMENT BUSHES (QTY PER SHOCK)** | | | | |
| | Rear top eyering | 1 | **404702** | $ Ea |
| | Rear bottom eyering | 1 | **TW038-16** | $ Ea |

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

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# MITSUBISHI

**L200 4WD**
**MA, MB, MC, MD**
**05/1979-1986**
**NO SPRING AVAILABLE**

## FRONT

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|

## REAR

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **NITROGEN GAS - SHOCK ABSORBER** | | | | |
| | OE Height | 2 | **BD1382T** | $ Ea |
| | 40mm Lift | 2 | **BD1388T** | $ Ea |
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | OE Height | 2 | **FC41382** | $ Ea |
| | 40mm Lift | 2 | **FC41388** | $ Ea |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | OE Height | 2 | **BM401382** | $ Ea |
| | 40mm Lift | 2 | **BM401388** | $ Ea |

## TORSION BARS

| | | | | |
|---|---|---|---|---|
| | 26mm /1277.5mm | 1 | **4WTB-1726** | $ Pr |

**Note:** Adjust torsion bars after fitting shocks
- ensure a minimum of 60mm droop is maintained

## REAR INDIVIDUAL COMPONENTS

| | | | | |
|---|---|---|---|---|
| | Urethane Shackle bush kit | 1 | **TDUK-021/35** | $ Kt |
| | U-Bolt kit | 2 | **TDUB-006** | $ Kt |

## REAR REPLACEMENT BUSHES (QTY PER SHOCK)

| | | | | |
|---|---|---|---|---|
| | Fit top & bottom eyering | 2 | **404702** | $ Ea |

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

# MITSUBISHI

**L300 4WD**
**SC, SD, SE, SF, SG, SH**
**05/1983-1994**
**EST. LIFT FRONT: 40MM | REAR: 40MM**

## FRONT

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **NITROGEN GAS - SHOCK ABSORBER** | | | | |
| | Up to 40mm lift | 2 | **BD2058T** | $ Ea |
| | **FOAM CELL - SHOCK ABSORBER** | | | |
| | Up to 40mm lift | 2 | **FC42058B** | $ Ea |

**Note:** BD2058T can be fitted to all applications.

## REAR

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **NITROGEN GAS - SHOCK ABSORBER** | | | | |
| | OE Height - SC, SD, SE Only | 2 | **BD1366T** | $ Ea |
| | 40mm Lift - SC, SD, SE Only | 2 | **BD1382T** | |
| | OE height - SF, SG, SH Only | 2 | **BD1386T** | |
| | 40mm Lift - SF, SG, SH Only | 2 | **BD1400T** | |
| | **FOAM CELL - SHOCK ABSORBER** | | | |
| | OE Height - SC, SD, SE Only | 2 | **FC41366** | $ Ea |
| | 40mm Lift - SC, SD, SE Only | 2 | **FC41382** | |
| | OE height - SF, SG, SH Only | 2 | **FC41386** | |
| | 40mm Lift - SF, SG, SH Only | 2 | **FC41400** | |
| | **40MM ADJUSTABLE - SHOCK ABSORBER** | | | |
| | OE Height - SC, SD, SE Only | 2 | **BM401366** | $ Ea |
| | 40mm Lift - SC, SD, SE Only | 2 | **BM401382** | |
| | OE height - SF, SG, SH Only | 2 | **BM401386** | |
| | 40mm Lift - SF, SG, SH Only | 2 | **BM401400** | |

## TORSION BARS

| | | | | |
|---|---|---|---|---|
| | 26mm / 1277.5mm - SC, SD, SE | 1 | **4WTB-1726** | $ Pr |

**Note:** Adjust torsion bars after fitting shocks - ensure a minimum of 60mm droop is maintained

## REAR INDIVIDUAL COMPONENTS

| | | | | |
|---|---|---|---|---|
| | Urethane shackle bush kit | 1 | **TDUK-005** | $ Kt |
| | U-bolt kit | 2 | **TDUB-006** | $ Kt |

## REAR REPLACEMENT BUSHES (QTY PER SHOCK)

| | | | | |
|---|---|---|---|---|
| | Front top pin | 2 | **TW959** | $ Ea |

## REAR REPLACEMENT BUSHES (QTY PER SHOCK)

| | | | | |
|---|---|---|---|---|
| | Fits top & bottom eyering #1366 & #1382 | 2 | **404702** | $ Ea |
| | Fits top eyering #1386 & #1400 | 1 | **404702** | $ Ea |
| | Fits bottom pin#1386 & #1400 | 2 | **TW959** | $ Ea |

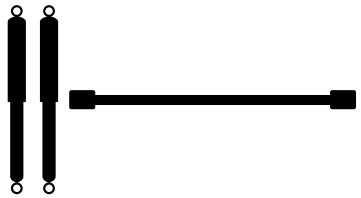
# MITSUBISHI

**PAJERO/MONTERO**
**LEAF REAR NA-NG & NH**
**05/1983-1994 & 05/1991-06/1993**
**EST. LIFT FRONT: 40MM | REAR: 40MM**

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.



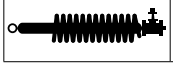
| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Torsion Bar | 1 | Pr |
| Steering Damper (Optional) | 1 | Ea |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | 40mm lift NA-NG Only | 2 | **FC42058B** | $ Ea |
| | 40mm lift NH Only | 2 | **FC42057B** | $ Ea |

**Note:** FC42057B & FC42058B can be fitted to all applications.

| TORSION BAR | | | | |
|---|---|---|---|---|
|  | 26mm / 1277.5mm | 1 | **4WTB-1726** | $ Pr |

**Note:** Adjust torsion bars after fitting shocks - ensure a minimum of 60mm droop is maintained

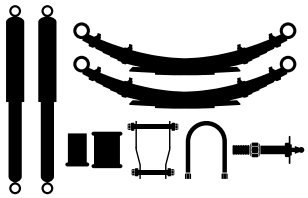
| STEERING DAMPERS | | | | |
|---|---|---|---|---|
| | Return to Center - Mounts present in vehicle | 1 | **SS5013-P/S** | $ Ea |
|  | Return to Center - Mounts not present in vehicle | 1 | **SS5016-P/S** | $ Ea |

| FRONT REPLACEMENT BUSHES (QTY PER SHOCK) | | | | |
|---|---|---|---|---|
| | Fits top pin | 2 | **TW959** | $ Ea |
| | Fits bottom eyering (Only for FC42057B) | 1 | **412772** | $ Ea |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Leaf Spring | 2 | Ea |
| Urethane Shackle Bush kit | 1 | Kt |
| U-Bolt kits | 2 | Kt |
| Greaseable Shackle kit | 1 | Kt |
| Greaseable Pin kit | 1 | Kt |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | Up to 40mm lift | 2 | **FC41382** | $ Ea |
| | **40MM ADJUSTABLE - SHOCK ABSORBER** | | | |
| | Up to 40mm lift | 2 | **BM401382** | $ Ea |

| LEAF SPRINGS | | | | |
|---|---|---|---|---|
| | 0-300kg load | 2 | **FS021** | $ Ea |
| | CONSTANT 300kg load | 2 | **FS021H** | $ Ea |

| REAR INDIVIDUAL COMPONENTS | | | | |
|---|---|---|---|---|
| | Urethane Shackle bush kit | 1 | **TDUK-005** | $ Kt |
| | U-Bolt kit | 2 | **TDUB-006** | $ Kt |
| | Greaseable Pin kit | 1 | **TDGP-004** | $ Kt |
| | Greaseable Shackle kit | 1 | **TDGS-900** | $ Kt |

| REAR REPLACEMENT BUSHES (QTY PER SHOCK) | | | | |
|---|---|---|---|---|
| | Fits top & bottom eyering | 2 | **404702** | $ Ea |

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

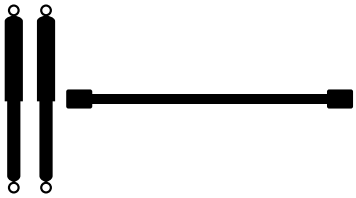
# MITSUBISHI

**PAJERO/MONTERO**
**COIL REAR NF-NG & NH-NL**
**08/1988-1991 & 05/1991-2002**
**EST. LIFT FRONT: 40MM | REAR: 40MM**

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Torsion Bar | 1 | Pr |
| Steering Damper (Optional) | 1 | Ea |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | 40mm lift NF-NG Only | 2 | **FC42058B** | $ Ea |
| | 40mm lift NH-NL Only | 2 | **FC42057B** | $ Ea |

**Note:** FC42057B & FC42058B are to be fitted to all applications where a Foam Cell or Adjustable shock is fitted to the rear.

### TORSION BARS

| | | | | |
|---|---|---|---|---|
| | 26mm / 1277.5mm (91-05/96) | 1 | **4WTB-1726** | $ Pr |
| | 27.5mm / 1307mm (06-96-00) | 1 | **4WTB-0203** | $ Pr |

**Note:** Adjust torsion bars after fitting shocks - ensure a minimum of 60mm droop is maintained

### STEERING DAMPERS

| | | | | |
|---|---|---|---|---|
| | Return to Center - Mounts present in vehicle | 1 | **SS5013-P/S** | $ Ea |
| | Return to Center - Mounts not present in vehicle | 1 | **SS5016-P/S** | $ Ea |

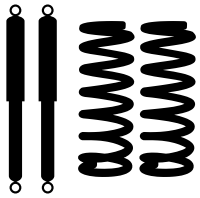
### FRONT REPLACEMENT BUSHES (QTY PER SHOCK)

| | | | | |
|---|---|---|---|---|
| | Fits top pin | 2 | **TW959** | $ Ea |
| | Fits bottom eyering (Only for FC42057B) | 1 | **412772** | $ Ea |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Coil Springs | 1 | Pr |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | Up to 40mm lift (NF-NG Only) | 2 | **FC41439** | $ Ea |
| | OE Height (NH-NL Only) | 2 | **FC41170B** | |
| | Up to 40mm lift (NH-NL Only) | 2 | **FC41178B** | |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | Up to 40mm lift (NF-NG Only) | 2 | **BM401439** | $ Ea |
| | OE Height (NH-NL Only) | 2 | **BM401170** | |
| | Up to 40mm lift (NH-NL Only) | 2 | **BM401178** | |

### COIL SPRINGS

| | | | | |
|---|---|---|---|---|
| | 0-300kg load | 1 | **TDC632SL** | $ Pr |
| | CONSTANT 300kg load | 1 | **TDC632L** | $ Pr |

### REAR REPLACEMENT BUSHES (QTY PER SHOCK)

| | | | | |
|---|---|---|---|---|
| | Fits top pin | 2 | **402267** | $ Ea |
| | Fits bottom eyering | 1 | **TW038-16** | $ Ea |

ALL PRICES EXCLUDE FREIGHT. INCLUDE ONLY PERMANENT ACCESSORIES & WEIGHTS WHEN SELECTING SPRINGS. TOWING WEIGHT IS NOT INCLUDED

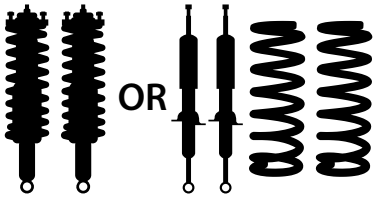
# MITSUBISHI

**PAJERO/MONTERO**
**NM-NX**
**05/2000-2021**
**EST. LIFT FRONT: 40MM | REAR: 40MM**

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.




| | | |
|---|---|---|
| Assembled struts | 2 | Ea |
| OR | | |
| Struts | 2 | Ea |
| Coil Springs | 1 | Pr |
| Strut Top (Optional) | 2 | Ea |

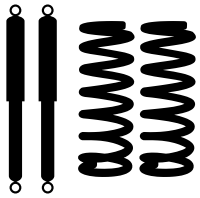
| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **ASSEMBLED STRUTS - FOAM CELL** | | | | |
| Assembled struts are made up of: 1 x strut, 1 x coil 1 x strut top | | | | |
| | With Steel Bar - Petrol | 2 | **MIT-050/04** | $ Ea |
| | With Steel Bar - Diesel | 2 | **MIT-050/05** | $ Ea |
| | With Steel bar & Winch | 2 | **MIT-050/06** | $ Ea |
| | OE Height | 2 | **MIT-050/07** | $ Ea |
| | **ASSEMBLED STRUTS - 40MM ADJUSTABLE** | | | |
| | Assembled struts are made up of: 1 x strut, 1 x coil 1 x strut top | | | |
| | With Steel Bar - Petrol | 2 | **MIT-050/01** | $ Ea |
| | With Steel Bar - Diesel | 2 | **MIT-050/02** | $ Ea |
| | With Steel bar & Winch | 2 | **MIT-050/03** | $ Ea |
| **STRUT - FOAM CELL** | | | | |
| | Up to 40mm Lift - Strut Only/ No Coil/ No Strut top | 2 | **FC404300** | $ Ea |
| | **STRUT - 40MM ADJUSTABLE** | | | |
| | Up to 40mm Lift - Strut Only/ No Coil/ No Strut top | 2 | **BM404300** | $ Ea |

| COIL SPRINGS - LWB | | | | |
|---|---|---|---|---|
| | OE Height | 1 | **TDC631** | $ Pr |
| | With Steel bar - Petrol | 1 | **TDC633** | $ Pr |
| | With Steel bar - Diesel | 1 | **TDC633L** | $ Pr |
| | With Steel Bar & Winch | 1 | **TDC633H** | $ Pr |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Coil Springs | 1 | Pr |
| Coil Insert Airbags (Optional) | 1 | Kt |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | Up to 40mm Lift | 2 | **FC41148** | $ Ea |

| COIL SPRINGS - LWB | | | | |
|---|---|---|---|---|
| | 0-300kg load - OE Height | 1 | **TDC635S** | $ Pr |
| | CONSTANT 300kg load - OE Height | 1 | **TDC635** | $ Pr |
| | 0-300kg load | 1 | **TDC635** | $ Pr |
| | CONSTANT 300kg load | 1 | **TDC635H** | $ Pr |
| | CONSTANT 500kg load | 1 | **TDC635HH** | $ Pr |

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

# MITSUBISHI

**PAJERO/MONTERO**
**NM-NX**
**05/2000-2021**
**EST. LIFT FRONT: 40MM | REAR: 40MM**

## FRONT

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|

## REAR

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **COIL SPRINGS - SWB** | | | | |
| | 0-300kg load | 1 | **TDC635S** | $ Pr |
| | CONSTANT 300kg load | 1 | **TDC635** | $ Pr |
| **AIR ASSIST - COIL INSERT** | | | | |
| | Coil Insert bag - OEM Height | 1 | **TDAA-012** | $ Kt |
| | Coil Insert bag - 40mm lift | 1 | **TDAA-006** | $ Kt |
| **Note:** Separate Air Assist components can be viewed on page 14. | | | | |
| **AIR ASSIST - COIL INSERT WIRELESS AIR SYSTEM** | | | | |
| | Wireless Air System Suits Coil Insert Airbags | 1 | **TDAS-002** | $ Kt |

## FRONT INDIVIDUAL COMPONENTS

| | | | | |
|---|---|---|---|---|
| | Strut Top | 2 | **MIT-4038** | $ Ea |

## FRONT REPLACEMENT BUSHES (QTY PER SHOCK)

| | | | | |
|---|---|---|---|---|
| | Front bottom eyering | 1 | **ADJ300/40A** | $ Ea |

## REAR REPLACEMENT BUSHES (QTY PER SHOCK)

| | | | | |
|---|---|---|---|---|
| | Fits top pin | 2 | **TW959** | $ Ea |
| | Fits bottom eyering | 1 | **4W-BS101CH** | $ Ea |

ALL PRICES EXCLUDE FREIGHT. INCLUDE ONLY PERMANENT ACCESSORIES & WEIGHTS WHEN SELECTING SPRINGS. TOWING WEIGHT IS NOT INCLUDED

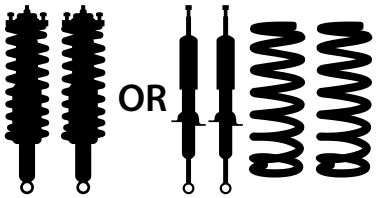
# MITSUBISHI

**PAJERO SPORT**
**QE, QF**
**2015 ON**
**EST. LIFT FRONT: 20MM | REAR: 20MM**

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.

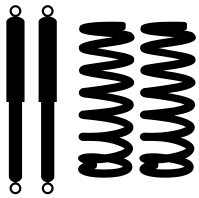



| | | |
|---|---|---|
| Assembled struts | 2 | Ea |
| OR | | |
| Struts | 2 | Ea |
| Coil Springs | 1 | Pr |
| Strut Top (Optional) | 2 | Ea |
| Upper Control Arms (Optional) | 1 | Pr |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Coil Springs | 1 | Pr |
| Coil Insert Airbags (Optional) | 1 | Kt |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **ASSEMBLED STRUTS - FOAM CELL** | | | | |
| Assembled struts are made up of: 1 x strut, 1 x coil 1 x strut top | | | | |
| | With No Bar / Alloy Bar | 2 | **MIT-061/05** | $ Ea |
| | With Steel Bar | 2 | **MIT-061/06** | $ Ea |
| | With Steel Bar & Winch | 2 | **MIT-061/07** | $ Ea |
| **ASSEMBLED STRUTS - 40MM ADJUSTABLE** | | | | |
| Assembled struts are made up of: 1 x strut, 1 x coil 1 x strut top | | | | |
| | With No Bar / Alloy Bar | 2 | **MIT-061/01** | $ Ea |
| | With Steel Bar | 2 | **MIT-061/02** | $ Ea |
| | With Steel Bar & Winch | 2 | **MIT-061/03** | $ Ea |
| **STRUT - FOAM CELL** | | | | |
| | Up to 20mm Lift - Strut Only/ No Coil/ No Strut top | 2 | **FC404800** | $ Ea |
| **STRUT - 40MM ADJUSTABLE** | | | | |
| | Up to 20mm Lift - Strut Only/ No Coil/ No Strut top | 2 | **BM404800** | $ Ea |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | Up to 20mm Lift | 2 | **FC41440B** | $ Ea |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | Up to 20mm Lift | 2 | **BM401440** | $ Ea |

| COIL SPRINGS | | | | |
|---|---|---|---|---|
| | With No Bar / Alloy Bar | 1 | **TDC681** | $ Pr |
| | With Steel Bar | 1 | **TDC681L** | $ Pr |
| | With Steel Bar & Winch | 1 | **TDC681HL** | $ Pr |

| COIL SPRINGS | | | | |
|---|---|---|---|---|
| | 0-300kg load | 1 | **TDC638L** | $ Pr |
| | CONSTANT 300kg load | 1 | **TDC638HL** | $ Pr |
| Use of Constant Load spring without load will result in tailshaft vibration | | | | |

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

# MITSUBISHI

**PAJERO SPORT**
**QE, QF**
**2015 ON**
**EST. LIFT FRONT: 20MM | REAR: 20MM**

## FRONT

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **UPPER CONTROL ARMS** | | | | |
| | Upper Control Arms | 1 | **TDCA-006** | $ Pr |

Fitment of Tough Dog Upper Control arms to vehicles that have lifts fitted greater than 50mm may suffer from premature ball joint failure due to droop lengths. The use of strut spacers may also affect the performance and longevity of the UCA ball joint due to the limitations of the spherical bearing housing being breached or bound at full suspension droop. There will be no warranty either expressed or implied if the vehicle is used out of legal driving conditions that will include, but is not limited to, jumping of the vehicle.

| UPPER CONTROL ARMS - REPLACEMENT COMPONENTS | | | | |
|---|---|---|---|---|
| | Bush Kit to fit one UCA - for TDCA-006 | 1 | **TDSK-009** | $ Ea |
| | Ball joint kit to fit one UCA - for TDCA-006 | 1 | **TDSK-010** | $ Ea |
| | | | | |
| **FRONT INDIVIDUAL COMPONENTS** | | | | |
| | Strut Top | 2 | **MIT-4040** | $ Ea |

| FRONT REPLACEMENT BUSHES (QTY PER SHOCK) | | | | |
|---|---|---|---|---|
| | Front bottom eyering | 1 | **ADJ300/50** | $ Ea |

## REAR

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **AIR ASSIST - COIL INSERT** | | | | |
| | Coil Insert bag - OEM height | 1 | **TDAA-015** | $ Kt |
| | Coil Insert bag - 20mm lift | 1 | **TDAA-001** | $ Kt |

**Note:** Separate Air Assist components can be viewed on page 14.

| AIR ASSIST - COIL INSERT WIRELESS AIR SYSTEM | | | | |
|---|---|---|---|---|
| | Wireless Air System Suits Coil Insert Airbags | 1 | **TDAS-002** | $ Kt |

| REAR REPLACEMENT BUSHES (QTY PER SHOCK) | | | | |
|---|---|---|---|---|
| | Fits top eyering | 1 | **404702** | $ Ea |
| | Fits bottom eyering | 1 | **TW038-16** | $ Ea |

# MITSUBISHI

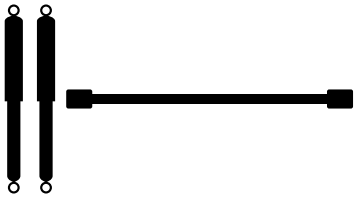
**TRITON**
**ME-MK**
**10/1986-2006**
**EST. LIFT FRONT: 40MM | REAR: 40MM**

TOUGH DOG 4WD Suspension ... Making Tracks Across the World

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.

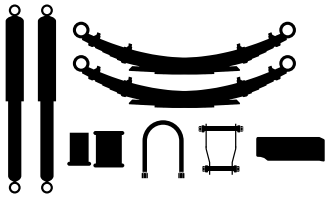


| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Torsion Bar | 1 | Pr |
| Steering Damper (Optional) | 1 | Ea |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Leaf Springs | 1 | Ea |
| Leaf Spring Fitment Kit | 1 | Kt |
| Anti Inversion Kit | 1 | Ea |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **NITROGEN GAS - SHOCK ABSORBER** | | | | |
| | All models Up to MK | 2 | **BD2058T** | $ Ea |
| | 40mm Lift MK Only | 2 | **BD2057T** | $ Ea |
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | Up to 40mm Lift - MK Only | 2 | **FC42057B** | $ Ea |

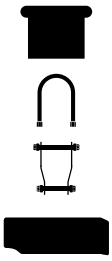
| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **NITROGEN GAS - SHOCK ABSORBER** | | | | |
| | 40mm Lift | 2 | **BD1388T** | $ Ea |
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | 40mm Lift | 2 | **FC41388** | $ Ea |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | 40mm Lift | 2 | **BM401388** | $ Ea |

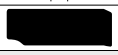
| TORSION BARS | | | | |
|---|---|---|---|---|
|  | 26mm / 1277.5mm | 1 | **4WTB-1726** | $ Pr |
| | 26mm / 1370mm | 1 | **4WTB-1736** | $ Pr |

**Note:** Adjust torsion bars after fitting shocks - ensure a minimum of 60mm droop is maintained

| LEAF SPRINGS | | | | |
|---|---|---|---|---|
| | 0-300kg load | 2 | **FS021** | $ Ea |
| | CONSTANT 300kg load | 2 | **FS021H** | $ Ea |

Some Special Edition models are equipped with Heavy Duty leaf packs from factory - Check prior to ordering

| LEAF SPRING FITMENT KIT - FITS ALL KITS | | | | | |
|---|---|---|---|---|---|
|  | Urethane Shackle Bush Kit | 1 | **TDFK-016** | TDUK-021/31 | $ Kt |
| | U-Bolt Kit | | | TDUB-006 | |
| | Greasable Shackle Kit | | | TDGS-900 | |
| | Anti Inversion Kit | | | TDSK-023 | |

| REAR INDIVIDUAL COMPONENTS | | | | |
|---|---|---|---|---|
| | Urethane Shackle Bush Kit | 1 | **TDUK-021/31** | $ Kt |
| | U-Bolt Kit | 2 | **TDUB-006** | $ Kt |
| | Greasable Shackle Kit | 1 | **TDGS-900** | $ Kt |
|  | Anti Inversion Kit | 1 | **TDSK-023** | $ Ea |

**Note:** Must be fitted to all kits.

| FRONT REPLACEMENT BUSHES (QTY PER SHOCK) | | | | |
|---|---|---|---|---|
| | Fits top pin | 2 | **TW959** | $ Ea |
| | Fits bottom eyering #2057 | 1 | **412772** | $ Ea |

| REAR REPLACEMENT BUSHES (QTY PER SHOCK) | | | | |
|---|---|---|---|---|
| | Fits top & bottom eyering | 2 | **404702** | $ Ea |

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

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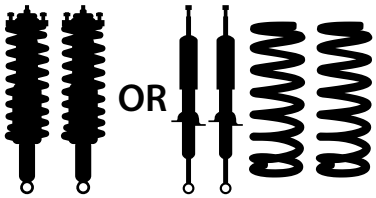
# MITSUBISHI

**TRITON**
**ML-MN**
**07/2006-2015**
**EST. LIFT FRONT: 25MM | REAR: 25MM**

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.

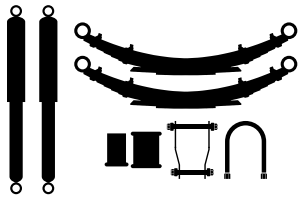



| | | |
|---|---|---|
| Assembled struts | 2 | Ea |
| OR | | |
| Struts | 2 | Ea |
| Coil Springs | 1 | Pr |
| Strut Top (Optional) | 2 | Ea |
| Upper Control Arms (Optional) | 1 | Pr |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Leaf Spring | 2 | Ea |
| Leaf Spring Fitment Kit | 1 | Kt |
| Bellows Airbags (Optional) | 1 | Kt |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **ASSEMBLED STRUTS - FOAM CELL** | | | | |
| Assembled struts are made up of: 1 x strut, 1 x coil 1 x strut top | | | | |
| | Petrol / Diesel / Bar | 2 | **MIT-060/03** | $ Ea |
| | Petrol / Diesel / Bar / Winch | 2 | **MIT-060/04** | $ Ea |
| | OE Height | 2 | **MIT-060/06** | $ Ea |
| **ASSEMBLED STRUTS - 40MM ADJUSTABLE** | | | | |
| Assembled struts are made up of: 1 x strut, 1 x coil 1 x strut top | | | | |
| | Petrol / Diesel / Bar | 2 | **MIT-060/01** | $ Ea |
| | Petrol / Diesel / Bar / Winch | 2 | **MIT-060/02** | $ Ea |
| **STRUT - FOAM CELL** | | | | |
| | Up to 25mm Lift - Strut Only/ No Coil/ No Strut top | 2 | **FC404800** | $ Ea |
| **STRUT - 40MM ADJUSTABLE** | | | | |
| | Up to 25mm Lift - Strut Only/ No Coil/ No Strut top | 2 | **BM404800** | $ Ea |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **NITROGEN GAS - SHOCK ABSORBER** | | | | |
| | Up to 25mm Lift | 2 | **BD1383T** | $ Ea |
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | Up to 25mm Lift | 2 | **FC41383** | $ Ea |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | Up to 25mm Lift | 2 | **BM401383** | $ Ea |

| COIL SPRINGS | | | | |
|---|---|---|---|---|
| | Petrol / Diesel / Bar | 1 | **TDC670** | $ Pr |
| | Petrol / Diesel / Bar / Winch | 1 | **TDC670H** | $ Pr |
| | OE Height | 1 | **TDC670S** | $ Pr |

| LEAF SPRINGS | | | | |
|---|---|---|---|---|
| | 0-300kg load | 2 | **FS122C** | $ Ea |
| | CONSTANT 300kg load | 2 | **FS122L** | $ Ea |
| | CONSTANT 500kg load | 2 | **FS122LL** | $ Ea |

## WARNING

Due to excessive overhang created by the design of the vehicle, vehicles carrying greater than 600kg load constantly in the rear should be fitted with a front spring one specification lighter than normal specification. This would guard against "See-Saw" effect at the rear of the vehicle. Failure to observe will result in rear leaf spring riding lower than the desired height and cause potential front shock damage.

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

# MITSUBISHI

**TRITON**
**ML-MN**
**07/2006-2015**
**EST. LIFT FRONT: 25MM | REAR: 25MM**

## FRONT

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|

## REAR

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **LEAF SPRING FITMENT KIT - FITS ALL KITS** | | | | |
| | Urethane Shackle Bush Kit | 1 | TDFK-017 TDUK-021/31 | $ Kt |
| | U-Bolt Kit | | TDUB-036 | |
| | Greasable Shackle Kit | | TDGS-900 | |

## UPPER CONTROL ARMS

| | | | | |
|---|---|---|---|---|
| | Upper Control Arms | 1 | **TDCA-006** | $ Pr |

Fitment of Tough Dog Upper Control arms to vehicles that have lifts fitted greater than 50mm may suffer from premature ball joint failure due to droop lengths. The use of strut spacers may also affect the performance and longevity of the UCA ball joint due to the limitations of the spherical bearing housing being breached or bound at full suspension droop. There will be no warranty either expressed or implied if the vehicle is used out of legal driving conditions that will include, but is not limited to, jumping of the vehicle.

## AIR ASSIST - BELLOWS

| | | | | |
|---|---|---|---|---|
| | Bellows Bag Kit - OE Height | 1 | **TDAA-134** | $ Kt |
| | Bellows Bag Kit - 25mm Lift | 1 | **TDAA-105** | $ Kt |

**Note:** Separate Air Assist components can be viewed on page 14.

## UPPER CONTROL ARMS - REPLACEMENT COMPONENTS

| | | | | |
|---|---|---|---|---|
| | Bush Kit to fit one UCA - for TDCA-006 | 1 | **TDSK-009** | $ Ea |
| | Ball joint kit to fit one UCA - for TDCA-006 | 1 | **TDSK-010** | $ Ea |

## AIR ASSIST - BELLOWS WIRELESS AIR SYSTEM

| | | | | |
|---|---|---|---|---|
| | Wireless Air System Suits Bellows Airbags | 1 | **TDAS-001** | $ Kt |

## FRONT INDIVIDUAL COMPONENTS

| | | | | |
|---|---|---|---|---|
| | Strut Top | 2 | **MIT-4040** | $ Ea |

## REAR INDIVIDUAL COMPONENTS

| | | | | |
|---|---|---|---|---|
| | Urethane Shackle Bush Kit - OE Springs Only | 1 | **TDUK-021/41** | $ Kt |
| | Urethane Shackle Bush Kit - Tough Dog Springs Only | 1 | **TDUK-021/31** | $ Kt |
| | U-Bolt Kit | 2 | **TDUB-036** | $ Kt |
| | Greasable Shackle Kit | 1 | **TDGS-900** | $ Kt |

## FRONT REPLACEMENT BUSHES (QTY PER SHOCK)

| | | | | |
|---|---|---|---|---|
| | Fits bottom eyering | 1 | **ADJ300/50** | $ Ea |

## REAR REPLACEMENT BUSHES (QTY PER SHOCK)

| | | | | |
|---|---|---|---|---|
| | Fits top & bottom eyering (FC) | 2 | **404702** | $ Ea |
| | Fits top eyering (BM) | 1 | **TW038-16** | $ Ea |
| | Fits bottom eyering (BM) | 1 | **404702** | $ Ea |

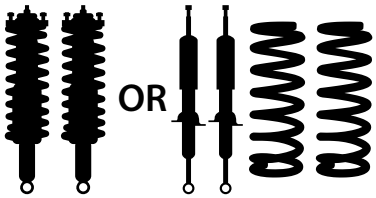
# MITSUBISHI

**TRITON**
**MQ**
**01/2016-2018**
**EST. LIFT FRONT: 20MM | REAR: 20MM**

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.

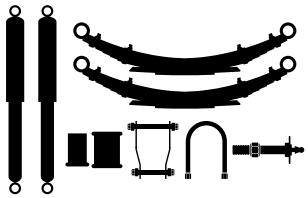



| | | |
|---|---|---|
| Assembled struts | 2 | Ea |
| OR | | |
| Struts | 2 | Ea |
| Coil Springs | 1 | Pr |
| Strut Top (Optional) | 2 | Ea |
| Upper Control Arms (Optional) | 1 | Pr |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Leaf Spring | 2 | Ea |
| Leaf Spring Fitment Kit | 1 | Kt |
| Bellows Airbags (Optional) | 1 | Kt |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **ASSEMBLED STRUTS - FOAM CELL** | | | | |
| Assembled struts are made up of: 1 x strut, 1 x coil 1 x strut top | | | | |
| | Diesel - No Accessories | 2 | **MIT-061/05** | $ Ea |
| | Diesel - With bar | 2 | **MIT-061/06** | $ Ea |
| | Diesel - With Bar & Winch | 2 | **MIT-061/07** | $ Ea |
| **ASSEMBLED STRUTS - 40MM ADJUSTABLE** | | | | |
| Assembled struts are made up of: 1 x strut, 1 x coil 1 x strut top | | | | |
| | Diesel - No Accessories | 2 | **MIT-061/01** | $ Ea |
| | Diesel - With bar | 2 | **MIT-061/02** | $ Ea |
| | Diesel - With Bar & Winch | 2 | **MIT-061/03** | $ Ea |
| **STRUT - FOAM CELL** | | | | |
| | Up to 20mm Lift - Strut Only/ No Coil/ No Strut top | 2 | **FC404800** | $ Ea |
| **STRUT - 40MM ADJUSTABLE** | | | | |
| | Up to 20mm Lift - Strut Only/ No Coil/ No Strut top | 2 | **BM404800** | $ Ea |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **NITROGEN GAS - SHOCK ABSORBER** | | | | |
| | Up to 20mm Lift | 2 | **BD3012T** | $ Ea |
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | Up to 20mm Lift | 2 | **FC43012** | $ Ea |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | Up to 20mm Lift | 2 | **BM403012** | $ Ea |

| COIL SPRINGS | | | | |
|---|---|---|---|---|
| | 20mm Lift No Accessories | 1 | **TDC681** | $ Pr |
| | 20mm lift Diesel with bar | 1 | **TDC681L** | $ Pr |
| | 20mm lift - Diesel with Steel Bar & Winch | 1 | **TDC681HL** | $ Pr |

| LEAF SPRINGS | | | | |
|---|---|---|---|---|
| | 0-300kg load | 2 | **FS123C** | $ Ea |
| | CONSTANT 300KG load | 2 | **FS123L** | $ Ea |
| | CONSTANT 500KG load | 2 | **FS123LL** | $ Ea |

## WARNING

Due to excessive overhang created by the design of the vehicle, vehicles carrying greater than 600kg load constantly in the rear should be fitted with a front spring one specification lighter than normal specification. This would guard against "See-Saw" effect at the rear of the vehicle.
Failure to observe will result in rear leaf spring riding lower than the desired height and cause potential front shock damage.

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

# MITSUBISHI

**TRITON**
**MQ**
**01/2016-2018**
**EST. LIFT FRONT: 20MM | REAR: 20MM**

## FRONT

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|

## REAR

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **LEAF SPRING FITMENT KIT - FITS ALL KITS** | | | | |
| | Urethane Shackle Bush Kit | | TDUK-077 | |
| | U-Bolt Kit | | TDUB-016 | |
| | Greasable Shackle Kit | 1 | **TDFK-018** TDGS-901 | $ Kt |
| | Greaseable Pin kit | | TDGP-668 | |
| | Centre Bearing Strengthening kit | | TDSP-008 | |

## UPPER CONTROL ARMS

| | | | | |
|---|---|---|---|---|
| | Upper Control Arms | 1 | **TDCA-006** | $ Pr |

Fitment of Tough Dog Upper Control arms to vehicles that have lifts fitted greater than 50mm may suffer from premature ball joint failure due to droop lengths. The use of strut spacers may also affect the performance and longevity of the UCA ball joint due to the limitations of the spherical bearing housing being breached or bound at full suspension droop. There will be no warranty either expressed or implied if the vehicle is used out of legal driving conditions that will include, but is not limited to, jumping of the vehicle.

## AIR ASSIST - BELLOWS

| | | | | |
|---|---|---|---|---|
| | Bellows Bag Kit - OE Height | 1 | **TDAA-119** | $ Kt |
| | Bellows Bag Kit - 20mm Lift | 1 | **TDAA-106** | $ Kt |

**Note:** Separate Air Assist components can be viewed on page 14.

## UPPER CONTROL ARMS - REPLACEMENT COMPONENTS

| | | | | |
|---|---|---|---|---|
| | Bush Kit to fit one UCA - for TDCA-006 | 1 | **TDSK-009** | $ Ea |
| | Ball joint kit to fit one UCA - for TDCA-006 | 1 | **TDSK-010** | $ Ea |

## AIR ASSIST - BELLOWS WIRELESS AIR SYSTEM

| | | | | |
|---|---|---|---|---|
| | Wireless Air System Suits Bellows Airbags | 1 | **TDAS-001** | $ Kt |

## FRONT INDIVIDUAL COMPONENTS

| | | | | |
|---|---|---|---|---|
| | Strut Top | 2 | **MIT-4040** | $ Ea |

## REAR INDIVIDUAL COMPONENTS

| | | | | |
|---|---|---|---|---|
| | Urethane Shackle bush kit | 1 | **TDUK-077** | $ Kt |
| | U-Bolt kit | 2 | **TDUB-016** | $ Kt |
| | Greaseable Shackle kit | 1 | **TDGS-901** | $ Kt |
| | Greaseable Pin kit | 1 | **TDGP-668** | $ Kt |
| | Centre Bearing Strengthening kit | 1 | **TDSP-008** | $ Ea |

**Note:** Must be fitted to all Kits

## FRONT REPLACEMENT BUSHES (QTY PER SHOCK)

| | | | | |
|---|---|---|---|---|
| | Fits bottom eyering | 1 | **ADJ300/50** | $ Ea |

## REAR REPLACEMENT BUSHES (QTY PER SHOCK)

| | | | | |
|---|---|---|---|---|
| | Fits top eyering | 1 | **404702** | $ Ea |
| | Fits bottom eyering | 1 | **TW038-16** | $ Ea |

ALL PRICES EXCLUDE FREIGHT. INCLUDE ONLY PERMANENT ACCESSORIES & WEIGHTS WHEN SELECTING SPRINGS. TOWING WEIGHT IS NOT INCLUDED

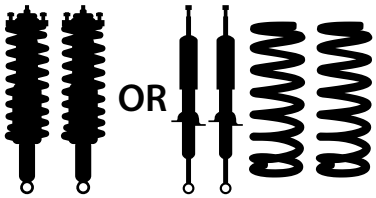
# MITSUBISHI

**TRITON**
**MR**
**11/2018 ON**
**EST. LIFT FRONT: 20MM | REAR: 20MM**

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.

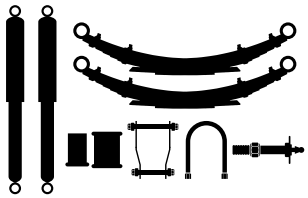



| | | |
|---|---|---|
| Assembled struts | 2 | Ea |
| OR | | |
| Struts | 2 | Ea |
| Coil Springs | 1 | Pr |
| Strut Top (Optional) | 2 | Ea |
| Upper Control Arms (Optional) | 1 | Pr |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Leaf Spring | 2 | Ea |
| Leaf Spring Fitment Kit | 1 | Kt |
| Bellows Airbags (Optional) | 1 | Kt |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **ASSEMBLED STRUTS - FOAM CELL** | | | | |
| Assembled struts are made up of: 1 x strut, 1 x coil 1 x strut top | | | | |
| | Diesel No Accessories | 2 | **MIT-004** | $ Ea |
| | Diesel - With Steel bar | 2 | **MIT-005** | $ Ea |
| | Diesel -With Bar & Winch | 2 | **MIT-006** | $ Ea |
| **ASSEMBLED STRUTS - 40MM ADJUSTABLE** | | | | |
| Assembled struts are made up of: 1 x strut, 1 x coil 1 x strut top | | | | |
| | Diesel No Accessories | 2 | **MIT-001** | $ Ea |
| | Diesel - With Steel bar | 2 | **MIT-002** | $ Ea |
| | Diesel - With Bar & Winch | 2 | **MIT-003** | $ Ea |
| **STRUT - FOAM CELL** | | | | |
| | Up to 20mm Lift - Strut Only/ No Coil/ No Strut top | 2 | **FC404800** | $ Ea |
| **STRUT - 40MM ADJUSTABLE** | | | | |
| | Up to 20mm Lift - Strut Only/ No Coil/ No Strut top | 2 | **BM404800** | $ Ea |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **NITROGEN GAS - SHOCK ABSORBER** | | | | |
| | Up to 20mm Lift | 2 | **BD3012T** | $ Ea |
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | Up to 20mm Lift | 2 | **FC43012** | $ Ea |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | Up to 20mm Lift | 2 | **BM403012** | $ Ea |

| COIL SPRINGS | | | | |
|---|---|---|---|---|
| | 20mm Lift No Accessories | 1 | **TDC1029** | $ Pr |
| | 20mm lift - Diesel with Steel bar | 1 | **TDC1030** | $ Pr |
| | 20mm lift - Diesel with Steel Bar & Winch | 1 | **TDC1031** | $ Pr |

| LEAF SPRINGS | | | | |
|---|---|---|---|---|
| | 0-300kg load | 2 | **FS123C** | $ Ea |
| | CONSTANT 300kg load | 2 | **FS123L** | $ Ea |
| | CONSTANT 500kg load | 2 | **FS123LL** | $ Ea |

## WARNING

Due to excessive overhang created by the design of the vehicle, vehicles carrying greater than 600kg load constantly in the rear should be fitted with a front spring one specification lighter than normal specification. This would guard against "See-Saw" effect at the rear of the vehicle. Failure to observe will result in rear leaf spring riding lower than the desired height and cause potential front shock damage.

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

# MITSUBISHI

**TRITON**
**MR**
**11/2018 ON**
**EST. LIFT FRONT: 20MM | REAR: 20MM**

## FRONT

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|

## REAR

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **LEAF SPRING FITMENT KIT - FITS ALL KITS** | | | | |
| | Urethane Shackle Bush Kit | | TDUK-077 | |
| | U-Bolt Kit | | TDUB-016 | |
| | Greasable Shackle Kit | 1 | **TDFK-018** TDGS-901 | $ Kt |
| | Greaseable Pin kit | | TDGP-668 | |
| | Centre Bearing Strengthening kit | | TDSP-008 | |

## UPPER CONTROL ARMS

| | | | | |
|---|---|---|---|---|
| | Upper Control Arms | 1 | **TDCA-006** | $ Pr |

Fitment of Tough Dog Upper Control arms to vehicles that have lifts fitted greater than 50mm may suffer from premature ball joint failure due to droop lengths. The use of strut spacers may also affect the performance and longevity of the UCA ball joint due to the limitations of the spherical bearing housing being breached or bound at full suspension droop. There will be no warranty either expressed or implied if the vehicle is used out of legal driving conditions that will include, but is not limited to, jumping of the vehicle.

## AIR ASSIST - BELLOWS

| | | | | |
|---|---|---|---|---|
| | Bellows Bag Kit - OE Height | 1 | **TDAA-119** | $ Kt |
| | Bellows Bag Kit - 20mm Lift | 1 | **TDAA-106** | $ Kt |

**Note:** Separate Air Assist components can be viewed on page 14.

## UPPER CONTROL ARMS - REPLACEMENT COMPONENTS

| | | | | |
|---|---|---|---|---|
| | Bush Kit to fit one UCA - for TDCA-006 | 1 | **TDSK-009** | $ Ea |
| | Ball joint kit to fit one UCA - for TDCA-006 | 1 | **TDSK-010** | $ Ea |

## AIR ASSIST - BELLOWS WIRELESS AIR SYSTEM

| | | | | |
|---|---|---|---|---|
| | Wireless Air System Suits Bellows Airbags | 1 | **TDAS-001** | $ Kt |

## FRONT INDIVIDUAL COMPONENTS

| | | | | |
|---|---|---|---|---|
| | Strut Top | 2 | **MIT-4040** | $ Ea |

## REAR INDIVIDUAL COMPONENTS

| | | | | |
|---|---|---|---|---|
| | Urethane Shackle Bush Kit | 1 | **TDUK-077** | $ Kt |
| | U-Bolt Kit | 2 | **TDUB-016** | $ Kt |
| | Greasable Shackle Kit | 1 | **TDGS-901** | $ Kt |
| | Greasable Pin Kit | 1 | **TDGP-668** | $ Kt |
| | Centre Bearing Strengthening Kit | 1 | **TDSP-008** | $ Ea |

**Note:** Must be fitted to all Kits.

## FRONT REPLACEMENT BUSHES (QTY PER SHOCK)

| | | | | |
|---|---|---|---|---|
| | Fits bottom eyering | 1 | **ADJ300/50** | $ Ea |

## REAR REPLACEMENT BUSHES (QTY PER SHOCK)

| | | | | |
|---|---|---|---|---|
| | Fits top eyering | 1 | **404702** | $ Ea |
| | Fits bottom eyering | 1 | **TW038-16** | $ Ea |

ALL PRICES EXCLUDE FREIGHT. INCLUDE ONLY PERMANENT ACCESSORIES & WEIGHTS WHEN SELECTING SPRINGS. TOWING WEIGHT IS NOT INCLUDED

# NISSAN

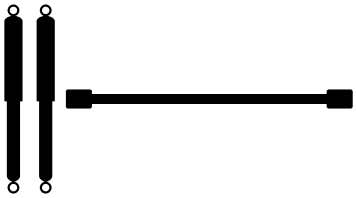
**NAVARA**
**D21, D22**
**01/1986 - 2015**
**EST. LIFT FRONT: 40MM | REAR: 40MM**

TOUGH DOG 4WD Suspension ... Making Tracks Across the World

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.

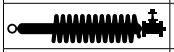


| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Torsion Bar | 1 | Pr |
| Steering Damper (Optional) | 1 | Ea |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | 40mm Lift | 2 | **FC42052B** | $ Ea |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **TORSION BAR** | | | | |
|  | 26mm / 1203mm - 86-97 Only | 1 | **4WTB-1456** | $ Pr |
| | 26mm / 890mm - 97 On | 1 | **4WTB-1446** | $ Pr |

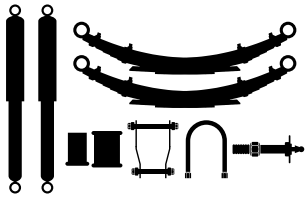
**Note:** Adjust torsion bars after fitting shocks - ensure a minimum of 60mm droop is maintained

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **STEERING DAMPERS** | | | | |
|  | HD Replacement damper - D21 Only | 1 | **SD14035** | $ Ea |
|  | HD Replacement damper - D22 | 1 | **EXT5925** | $ Ea |
|  | Return to Center - D22 | 1 | **SS5925-P/S** | $ Ea |
| | 9 Stage Adjustable - D22 | 1 | **SV5925** | $ Ea |

## REAR

### REAR SUSPENSION CHECK LIST

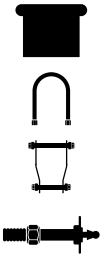
You need to order the following items for the rear end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Leaf Spring | 2 | Ea |
| Leaf Spring Fitment Kit | 1 | Kt |
| Bellows Airbags (Optional) | 1 | Kt |

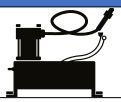
| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **NITROGEN GAS - SHOCK ABSORBER** | | | | |
| | OE Height | 2 | **BD1366T** | $ Ea |
| | 40mm Lift | 2 | **BD1382T** | |
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | OE Height | 2 | **FC41366B** | $ Ea |
| | 40mm Lift | 2 | **FC41382B** | |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | OE Height | 2 | **BM401366** | $ Ea |
| | 40mm Lift | 2 | **BM401382** | |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **LEAF SPRINGS** | | | | |
| | 0-300kg load | 2 | **T63-LH** | $ Ea |
| | 0-300kg load | 2 | **T63-RH** | $ Ea |
| | CONSTANT 300kg load | 2 | **T63H** | $ Ea |

| CONTENT | DESCRIPTION | QTY | PART NO | | RRP |
|---|---|---|---|---|---|
| **LEAF SPRING FITMENT KIT** | | | | | |
|  | Urethane Shackle Bush Kit | 1 | **TDFK-019** | TDUK-007 | $ Kt |
| | U-Bolt Kit | | | TDUB-012 | |
| | Greasable Shackle Kit | | | TDGS-668 | |
| | Greasable Pin Kit | | | TDGP-669 | |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **AIR ASSIST - BELLOWS** | | | | |
| | Bellows Bag kit - OEM Height (D22 Only) | 1 | **TDAA-124** | $ Kt |
| | Bellows Bag kit - 40mm lift (D22 Only) | 1 | **TDAA-107** | $ Kt |

**Note:** Separate Air Assist components can be viewed on page 14.

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **AIR ASSIST - BELLOWS WIRELESS AIR SYSTEM** | | | | |
|  | Wireless Air System Suits Bellows Airbags | 1 | **TDAS-001** | $ Kt |

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

# NISSAN

**NAVARA**
**D21, D22**
**01/1986 - 2015**
**EST. LIFT FRONT: 40MM | REAR: 40MM**

## FRONT

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|

## REAR

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **REAR INDIVIDUAL COMPONENTS** | | | | |
| | Urethane Shackle bush kit | 1 | **TDUK-007** | $ Kt |
| | U-Bolt kit | 2 | **TDUB-012** | $ Kt |
| | Greaseable Shackle kit | 1 | **TDGS-668** | $ Kt |
| | Greaseable Pin kit | 1 | **TDGP-669** | $ Kt |

| FRONT REPLACEMENT BUSHES (QTY PER SHOCK) | | | | |
|---|---|---|---|---|
| | Fits top pin | 2 | **TW959** | $ Ea |
| | Fits bottom eyering | 1 | **412773** | $ Ea |

| REAR REPLACEMENT BUSHES (QTY PER SHOCK) | | | | |
|---|---|---|---|---|
| | Fits top eyering | 2 | **404702** | $ Ea |

# NISSAN

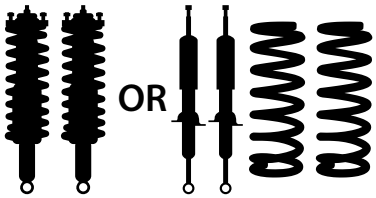
**NAVARA**
**D40 - 2.5L, 4.0L**
**12/2005-2015**
**EST. LIFT FRONT: 40MM | REAR: 40MM**

TOUGH DOG 4WD Suspension ... Making Tracks Across the World

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.

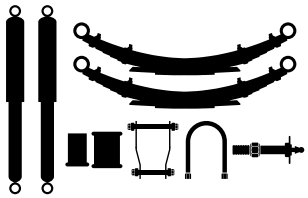



| | | |
|---|---|---|
| Assembled struts | 2 | Ea |
| OR | | |
| Struts | 2 | Ea |
| Coil Springs | 1 | Pr |
| Strut Top (Optional) | 2 | Ea |
| Upper Control Arms (Optional) | 1 | Pr |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.



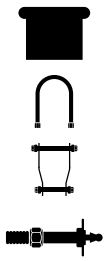
| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Leaf Spring | 2 | Ea |
| Leaf Spring Fitment Kit | 1 | Kt |
| Bellows Airbags (Optional) | 1 | Kt |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **ASSEMBLED STRUTS - FOAM CELL** | | | | |
| Assembled struts are made up of: 1 x strut, 1 x coil 1 x strut top | | | | |
| | Petrol /Diesel / Bar | 2 | **NIS-040/04** | $ Ea |
| | Petrol / Diesel / Bar / Winch | 2 | **NIS-040/05** | $ Ea |
| **ASSEMBLED STRUTS - 40MM ADJUSTABLE** | | | | |
| Assembled struts are made up of: 1 x strut, 1 x coil 1 x strut top | | | | |
| | Petrol /Diesel / Bar | 2 | **NIS-040/01** | $ Ea |
| | Petrol / Diesel / Bar / Winch | 2 | **NIS-040/02** | $ Ea |
| **STRUT - FOAM CELL** | | | | |
| | Up to 40mm Lift - Strut Only/ No Coil/ No Strut top | 2 | **FC404700** | $ Ea |
| **STRUT - 40MM ADJUSTABLE** | | | | |
| | Up to 40mm Lift - Strut Only/ No Coil/ No Strut top | 2 | **BM404700** | $ Ea |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **NITROGEN GAS - SHOCK ABSORBER** | | | | |
| | Up to 40mm Lift | 2 | **BD1368T** | $ Ea |
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | Up to 40mm Lift | 2 | **FC41368** | $ Ea |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | Up to 40mm Lift | 2 | **BM401368** | $ Ea |

| COIL SPRINGS | | | | |
|---|---|---|---|---|
| | 40mm Lift - Petrol / Diesel / Bar | 1 | **TDC770** | $ Pr |
| | 40mm lift - Petrol / Diesel / Bar / Winch | 1 | **TDC770H** | $ Pr |

| LEAF SPRINGS | | | | |
|---|---|---|---|---|
| | 0-300kg load | 2 | **T85C** | $ Ea |
| | CONSTANT 300kg load | 2 | **T85L** | $ Ea |
| | CONSTANT 500kg load | 2 | **T85LL** | $ Ea |

| LEAF SPRING FITMENT KIT | | | | | |
|---|---|---|---|---|---|
|  | Urethane Shackle Bush Kit | 1 | **TDFK-020** | TDUK-068 | $ Kt |
| | U-Bolt Kit | | | TDUB-016 | |
| | Greasable Shackle Kit | | | TDGS-667 | |
| | Greasable Pin Kit | | | TDGP-668 | |

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

# NISSAN

**NAVARA**
**D40 - 2.5L, 4.0L**
**12/2005-2015**
**EST. LIFT FRONT: 40MM | REAR: 40MM**

TOUGH DOG 4WD Suspension ... Making Tracks Across the World

## FRONT

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **UPPER CONTROL ARMS** | | | | |
| | Upper Control Arms | 1 | **TDCA-007** | $ Pr |

Fitment of Tough Dog Upper Control arms to vehicles that have lifts fitted greater than 50mm may suffer from premature ball joint failure due to droop lengths. The use of strut spacers may also affect the performance and longevity of the UCA ball joint due to the limitations of the spherical bearing housing being breached or bound at full suspension droop. There will be no warranty either expressed or implied if the vehicle is used out of legal driving conditions that will include, but is not limited to, jumping of the vehicle.

## REAR

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **AIR ASSIST - BELLOWS** | | | | |
| | Bellows bag kit - OEM Height | 1 | **TDAA-120** | $ Kt |
| | Bellows bag kit - 40mm lift | 1 | **TDAA-108** | $ Kt |

**Note:** Separate Air Assist components can be viewed on page 14.

## UPPER CONTROL ARMS - REPLACEMENT COMPONENTS

| | | | | |
|---|---|---|---|---|
| | Bush Kit to fit one UCA - for TDCA-007 | 1 | **TDSK-011** | $ Ea |
| | Ball joint kit to fit one UCA - for TDCA-007 | 1 | **TDSK-012** | $ Ea |

## AIR ASSIST - BELLOWS WIRELESS AIR SYSTEM

| | | | | |
|---|---|---|---|---|
| | Wireless Air System Suits Bellows Airbags | 1 | **TDAS-001** | $ Kt |

## FRONT INDIVIDUAL COMPONENTS

| | | | | |
|---|---|---|---|---|
| | Strut Top | 2 | **NIS-3030** | $ Ea |

## REAR INDIVIDUAL COMPONENTS

| | | | | |
|---|---|---|---|---|
| | Urethane Shackle bush kit | 1 | **TDUK-068** | $ Kt |
| | U-Bolt kit | 2 | **TDUB-016** | $ Kt |
| | Greaseable Shackle kit | 1 | **TDGS-667** | $ Kt |
| | Greaseable Pin kit | 1 | **TDGP-668** | $ Kt |

## FRONT REPLACEMENT BUSHES (QTY PER SHOCK)

| | | | | |
|---|---|---|---|---|
| | Fits bottom eyering | 1 | **ADJ300/40A** | $ Ea |

## REAR REPLACEMENT BUSHES (QTY PER SHOCK)

| | | | | |
|---|---|---|---|---|
| | Fits top eyering | 1 | **404702** | $ Ea |
| | Fits bottom eyering | 1 | **TW042-14** | $ Ea |

ALL PRICES EXCLUDE FREIGHT. INCLUDE ONLY PERMANENT ACCESSORIES & WEIGHTS WHEN SELECTING SPRINGS. TOWING WEIGHT IS NOT INCLUDED

# NISSAN

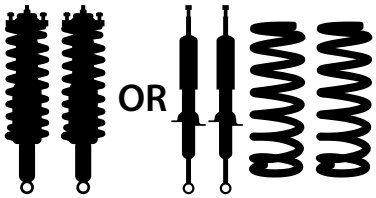
**NAVARA**
**D40 - 3.0L STX-550 V6**
**2011 - 2015**
**EST. LIFT FRONT: 40MM | REAR: 40MM**

TOUGH DOG 4WD Suspension ... Making Tracks Across the World

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.



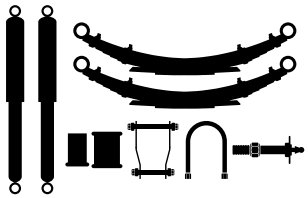

| | | |
|---|---|---|
| Assembled struts | 2 | Ea |
| OR | | |
| Struts | 2 | Ea |
| Coil Springs | 1 | Pr |
| Strut Top (Optional) | 2 | Ea |
| Upper Control Arms (Optional) | 1 | Pr |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **ASSEMBLED STRUTS - FOAM CELL** | | | | |
| Assembled struts are made up of: 1 x strut, 1 x coil 1 x strut top | | | | |
| | Petrol /Diesel / Bar | 2 | **NIS-040/07** | $ Ea |
| | Petrol / Diesel / Bar / Winch | 2 | **NIS-040/08** | $ Ea |
| **ASSEMBLED STRUTS - 40MM ADJUSTABLE** | | | | |
| Assembled struts are made up of: 1 x strut, 1 x coil 1 x strut top | | | | |
| | Petrol /Diesel / Bar | 2 | **NIS-040/06** | $ Ea |
| | Petrol / Diesel / Bar / Winch | 2 | **NIS-040/03** | $ Ea |
| **STRUT - FOAM CELL** | | | | |
| | Up to 40mm Lift - Strut Only/ No Coil/ No Strut top | 2 | **FC404700** | $ Ea |
| **STRUT - 40MM ADJUSTABLE** | | | | |
| | Up to 40mm Lift - Strut Only/ No Coil/ No Strut top | 2 | **BM404700** | $ Ea |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.

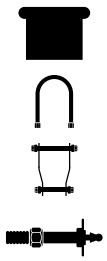


| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Leaf Spring | 2 | Ea |
| Leaf Spring Fitment Kit | 1 | Kt |
| Bellows Airbags (Optional) | 1 | Kt |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **NITROGEN GAS - SHOCK ABSORBER** | | | | |
| | Up to 40mm Lift | 2 | **BD1368T** | $ Ea |
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | Up to 40mm Lift | 2 | **FC41368** | $ Ea |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | Up to 40mm Lift | 2 | **BM401368** | $ Ea |

| COIL SPRINGS | | | | |
|---|---|---|---|---|
| | 40mm Lift - Petrol / Diesel / Bar | 1 | **TDC772** | $ Pr |
| | 40mm lift - Petrol / Diesel / Bar / Winch | 1 | **TDC772H** | $ Pr |

| LEAF SPRINGS | | | | |
|---|---|---|---|---|
| | 0-300kg load | 2 | **T85C** | $ Ea |
| | CONSTANT 300kg load | 2 | **T85L** | $ Ea |
| | CONSTANT 500kg load | 2 | **T85LL** | $ Ea |

| LEAF SPRING FITMENT KIT | | | | | |
|---|---|---|---|---|---|
|  | Urethane Shackle Bush Kit | 1 | **TDFK-020** | TDUK-068 | $ Kt |
| | U-Bolt Kit | | | TDUB-016 | |
| | Greasable Shackle Kit | | | TDGS-667 | |
| | Greasable Pin Kit | | | TDGP-668 | |

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

# NISSAN

**NAVARA**
**D40 - 3.0L STX-550 V6**
**2011 - 2015**
**EST. LIFT FRONT: 40MM | REAR: 40MM**

## FRONT

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **UPPER CONTROL ARMS** | | | | |
| | Upper Control Arms | 1 | **TDCA-007** | $ Pr |

Fitment of Tough Dog Upper Control arms to vehicles that have lifts fitted greater than 50mm may suffer from premature ball joint failure due to droop lengths. The use of strut spacers may also affect the performance and longevity of the UCA ball joint due to the limitations of the spherical bearing housing being breached or bound at full suspension droop. There will be no warranty either expressed or implied if the vehicle is used out of legal driving conditions that will include, but is not limited to, jumping of the vehicle.

## REAR

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **AIR ASSIST - BELLOWS** | | | | |
| | Bellows bag kit - OEM Height | 1 | **TDAA-120** | $ Kt |
| | Bellows bag kit - 40mm lift | 1 | **TDAA-108** | $ Kt |

**Note:** Separate Air Assist components can be viewed on page 14.

| UPPER CONTROL ARMS - REPLACEMENT COMPONENTS | | | | |
|---|---|---|---|---|
| | Bush Kit to fit one UCA - for TDCA-007 | 1 | **TDSK-011** | $ Ea |
| | Ball joint kit to fit one UCA - for TDCA-007 | 1 | **TDSK-012** | $ Ea |

| AIR ASSIST - BELLOWS WIRELESS AIR SYSTEM | | | | |
|---|---|---|---|---|
| | Wireless Air System Suits Bellows Airbags | 1 | **TDAS-001** | $ Kt |

| FRONT INDIVIDUAL COMPONENTS | | | | |
|---|---|---|---|---|
| | Strut Top | 2 | **NIS-3030** | $ Ea |

| REAR INDIVIDUAL COMPONENTS | | | | |
|---|---|---|---|---|
| | Urethane shackle Bush kit | 1 | **TDUK-068** | $ Kt |
| | U-bolt kit | 2 | **TDUB-016** | $ Kt |
| | Greasable shackle kit | 1 | **TDGS-667** | $ Kt |
| | Greasable pin kit | 1 | **TDGP-668** | $ Kt |

| FRONT REPLACEMENT BUSHES (QTY PER SHOCK) | | | | |
|---|---|---|---|---|
| | Front bottom eyering | 1 | **ADJ300/40A** | $ Ea |

| REAR REPLACEMENT BUSHES (QTY PER SHOCK) | | | | |
|---|---|---|---|---|
| | Rear top eyering | 1 | **404702** | $ Ea |
| | Rear bottom eyering | 1 | **TW042-14** | $ Ea |

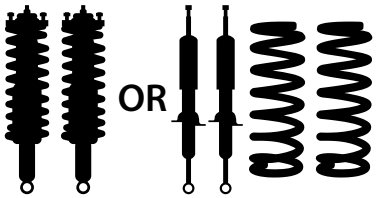
# NISSAN

**NAVARA**
**NP300 - COIL REAR**
**07/2015 - 11/2020**
**EST. LIFT FRONT: 35MM | REAR: 35MM**

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.




| | | |
|---|---|---|
| Assembled struts | 2 | Ea |
| OR | | |
| Struts | 2 | Ea |
| Coil Springs | 1 | Pr |
| Strut Top (Optional) | 2 | Ea |
| Upper Control Arms (Optional) | 1 | Pr |

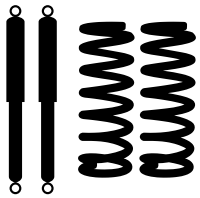
| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **ASSEMBLED STRUTS - FOAM CELL** | | | | |
| Assembled struts are made up of: 1 x strut, 1 x coil 1 x strut top | | | | |
| | Petrol /Diesel / Bar | 2 | **NIS-300/07** | $ Ea |
| | Petrol / Diesel / Bar / Winch | 2 | **NIS-300/08** | $ Ea |
| | **ASSEMBLED STRUTS - 40MM ADJUSTABLE** | | | |
| | Assembled struts are made up of: 1 x strut, 1 x coil 1 x strut top | | | |
| | Petrol /Diesel / Bar | 2 | **NIS-300/05** | $ Ea |
| | Petrol / Diesel / Bar / Winch | 2 | **NIS-300/06** | $ Ea |
| **STRUT - FOAM CELL** | | | | |
| | Up to 35mm Lift - Strut Only/ No Coil/ No Strut top | 2 | **FC404710** | $ Ea |
| | **STRUT - 40MM ADJUSTABLE** | | | |
| | Up to 35mm Lift - Strut Only/ No Coil/ No Strut top | 2 | **BM404710** | $ Ea |

| COIL SPRINGS | | | | |
|---|---|---|---|---|
| | 35mm Lift- Petrol / Diesel / Bar | 1 | **TDC773** | $ Pr |
| | 35mm lift- Petrol / Diesel / Bar / Winch | 1 | **TDC773H** | $ Pr |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Coil Springs | 1 | Pr |
| Panhard Rods (Optional) | 1 | Ea |
| Coil Insert Airbags (Optional) | 1 | Kt |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | Up to 35mm Lift | 2 | **FC41369** | $ Ea |
| | **40MM ADJUSTABLE - SHOCK ABSORBER** | | | |
| | Up to 35mm Lift | 2 | **BM401369** | $ Ea |

| COIL SPRINGS | | | | |
|---|---|---|---|---|
| | 0-300kg load | 1 | **TDC774** | $ Pr |
| | CONSTANT 300kg load | 1 | **TDC774H** | $ Pr |
| | CONSTANT 500kg load | 1 | **TDC774VHL** | $ Pr |

| PANHARD RODS | | | | |
|---|---|---|---|---|
|  | Adjustable | 1 | **TDPR-300** | $ Ea |

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

# NISSAN

**NAVARA**
**NP300 - COIL REAR**
**07/2015 - 11/2020**
**EST. LIFT FRONT: 35MM | REAR: 35MM**

## FRONT

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **UPPER CONTROL ARMS** | | | | |
| | Upper Control Arms | 1 | **TDCA-007** | $ Pr |

Fitment of Tough Dog Upper Control arms to vehicles that have lifts fitted greater than 50mm may suffer from premature ball joint failure due to droop lengths. The use of strut spacers may also affect the performance and longevity of the UCA ball joint due to the limitations of the spherical bearing housing being breached or bound at full suspension droop. There will be no warranty either expressed or implied if the vehicle is used out of legal driving conditions that will include, but is not limited to, jumping of the vehicle.

## REAR

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **AIR ASSIST - COIL INSERT** | | | | |
| | Coil Insert bag - OEM Height | 1 | **TDAA-016** | $ Kt |
| | Coil insert Bag - 35mm lift | 1 | **TDAA-007** | $ Kt |

**Note:** Separate Air Assist components can be viewed on page 14.

| UPPER CONTROL ARMS - REPLACEMENT COMPONENTS | | | | |
|---|---|---|---|---|
| | Bush Kit to fit one UCA - for TDCA-007 | 1 | **TDSK-011** | $ Ea |
| | Ball joint kit to fit one UCA - for TDCA-007 | 1 | **TDSK-012** | $ Ea |

| AIR ASSIST - COIL INSERT WIRELESS AIR SYSTEM | | | | |
|---|---|---|---|---|
| | Wireless Air System Suits Coil insert Airbags | 1 | **TDAS-002** | $ Kt |

| FRONT INDIVIDUAL COMPONENTS | | | | |
|---|---|---|---|---|
| | Strut Top | 2 | **NIS-3030** | $ Ea |

| FRONT REPLACEMENT BUSHES (QTY PER SHOCK) | | | | |
|---|---|---|---|---|
| | Fits bottom eyering | 1 | **ADJ300/40A** | $ Ea |

| REAR REPLACEMENT BUSHES (QTY PER SHOCK) | | | | |
|---|---|---|---|---|
| | Fits top eyering | 1 | **TW038-16** | $ Ea |
| | Fits bottom eyering | 1 | **TW042-14** | $ Ea |

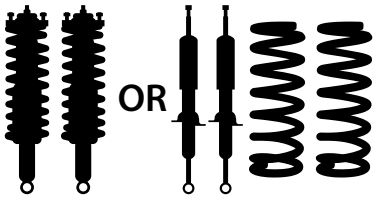
# NISSAN

**NAVARA**
**NP300 - COIL REAR (S5) NOT WARRIOR PRO 4X4**
**11/2020 ON**
**EST. LIFT FRONT: 20MM | REAR: 20MM**

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.

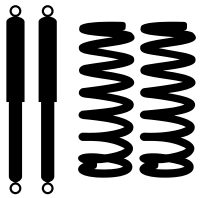



| | | |
|---|---|---|
| Assembled struts | 2 | Ea |
| OR | | |
| Struts | 2 | Ea |
| Coil Springs | 1 | Pr |
| Strut Top (Optional) | 2 | Ea |
| Upper Control Arms (Optional) | 1 | Pr |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Coil Springs | 1 | Pr |
| Panhard Rods (Optional) | 1 | Ea |
| Coil Insert Airbags (Optional) | 1 | Kt |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **ASSEMBLED STRUTS - FOAM CELL** | | | | |
| Assembled struts are made up of: 1 x strut, 1 x coil 1 x strut top | | | | |
| | No Accessories | 2 | **NIS-300/07** | $ Ea |
| | Petrol / Diesel / Bar / Bar & Winch | 2 | **NIS-300/08** | $ Ea |
| | **ASSEMBLED STRUTS - 40MM ADJUSTABLE** | | | |
| | Assembled struts are made up of: 1 x strut, 1 x coil 1 x strut top | | | |
| | No Accessories | 2 | **NIS-300/05** | $ Ea |
| | Petrol / Diesel / Bar / Bar & Winch | 2 | **NIS-300/06** | $ Ea |
| **STRUT - FOAM CELL** | | | | |
| | Up to 20mm Lift - Strut Only/ No Coil/ No Strut top | 2 | **FC404710** | $ Ea |
| | **STRUT - 40MM ADJUSTABLE** | | | |
| | Up to 20mm Lift - Strut Only/ No Coil/ No Strut top | 2 | **BM404710** | $ Ea |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | Up to 20mm Lift | 2 | **FC41369** | $ Ea |
| | **40MM ADJUSTABLE - SHOCK ABSORBER** | | | |
| | Up to 20mm Lift | 2 | **BM401369** | $ Ea |

| COIL SPRINGS | | | | |
|---|---|---|---|---|
| | 20mm Lift - Petrol / Diesel / No Accessories | 1 | **TDC773** | $ Pr |
| | 20mm lift - Petrol / Diesel / Bar / Bar & Winch | 1 | **TDC773H** | $ Pr |

| COIL SPRINGS | | | | |
|---|---|---|---|---|
| | 0-300kg load | 1 | **TDC774H** | $ Pr |
| | CONSTANT 300kg load | 1 | **TDC774VHL** | $ Pr |
| | CONSTANT 500kg load | 1 | **TDC1037** | $ Pr |

| PANHARD RODS | | | | |
|---|---|---|---|---|
|  | Adjustable | 1 | **TDPR-300** | $ Ea |

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

# NISSAN

**NAVARA**

**NP300 - COIL REAR (S5) NOT WARRIOR PRO 4X4**

**11/2020 ON**

**EST. LIFT FRONT: 20MM | REAR: 20MM**

## FRONT

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **UPPER CONTROL ARMS** | | | | |
| | Upper Control Arms | 1 | **TDCA-007** | $ Pr |

Fitment of Tough Dog Upper Control arms to vehicles that have lifts fitted greater than 50mm may suffer from premature ball joint failure due to droop lengths. The use of strut spacers may also affect the performance and longevity of the UCA ball joint due to the limitations of the spherical bearing housing being breached or bound at full suspension droop. There will be no warranty either expressed or implied if the vehicle is used out of legal driving conditions that will include, but is not limited to, jumping of the vehicle.

## REAR

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **AIR ASSIST - COIL INSERT** | | | | |
| | Coil Insert bag - OEM Height | 1 | **TDAA-016** | $ Kt |
| | Coil insert Bag - 35mm lift | 1 | **TDAA-007** | $ Kt |

**Note:** Separate Air Assist components can be viewed on page 14.

| UPPER CONTROL ARMS - REPLACEMENT COMPONENTS | | | | |
|---|---|---|---|---|
| | Bush Kit to fit one UCA - for TDCA-007 | 1 | **TDSK-011** | $ Ea |
| | Ball joint kit to fit one UCA - for TDCA-007 | 1 | **TDSK-012** | $ Ea |

| AIR ASSIST - COIL INSERT WIRELESS AIR SYSTEM | | | | |
|---|---|---|---|---|
| | Wireless Air System Suits Coil insert Airbags | 1 | **TDAS-002** | $ Kt |

| FRONT INDIVIDUAL COMPONENTS | | | | |
|---|---|---|---|---|
| | Strut Top | 2 | **NIS-3030** | $ Ea |

| REAR REPLACEMENT BUSHES (QTY PER SHOCK) | | | | |
|---|---|---|---|---|
| | Fits top eyering | 1 | **TW038-16** | $ Ea |
| | Fits bottom eyering | 1 | **TW042-14** | $ Ea |

# NISSAN

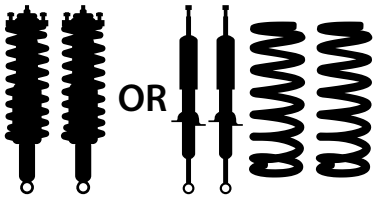
**NAVARA**
**NP300 - LEAF REAR**
**07/2015 ON**
**EST. LIFT FRONT: 35MM | REAR: 35MM**

TOUGH DOG 4WD Suspension ... Making Tracks Across the World

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.

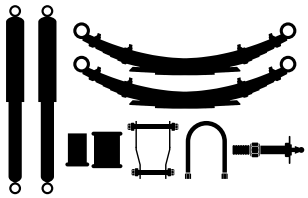



| | | |
|---|---|---|
| Assembled struts | 2 | Ea |
| OR | | |
| Struts | 2 | Ea |
| Coil Springs | 1 | Pr |
| Strut Top (Optional) | 2 | Ea |
| Upper Control Arms (Optional) | 1 | Pr |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Leaf Spring | 2 | Ea |
| Leaf Spring Fitment Kit | 1 | Kt |
| Bellows Airbags (Optional) | 1 | Kt |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **ASSEMBLED STRUTS - FOAM CELL** | | | | |
| Assembled struts are made up of: 1 x strut, 1 x coil 1 x strut top | | | | |
| | Petrol /Diesel / Bar | 2 | **NIS-300/07** | $ Ea |
| | Petrol / Diesel / Bar / Winch | 2 | **NIS-300/08** | $ Ea |
| **ASSEMBLED STRUTS - 40MM ADJUSTABLE** | | | | |
| Assembled struts are made up of: 1 x strut, 1 x coil 1 x strut top | | | | |
| | Petrol /Diesel / Bar | 2 | **NIS-300/05** | $ Ea |
| | Petrol / Diesel / Bar / Winch | 2 | **NIS-300/06** | $ Ea |
| **STRUT - FOAM CELL** | | | | |
| | Up to 35mm Lift - Strut Only/ No Coil/ No Strut top | 2 | **FC404710** | $ Ea |
| **STRUT - 40MM ADJUSTABLE** | | | | |
| | Up to 35mm Lift - Strut Only/ No Coil/ No Strut top | 2 | **BM404710** | $ Ea |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | Up to 35mm Lift | 2 | **FC43017** | $ Ea |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | Up to 35mm Lift | 2 | **BM403017** | $ Ea |

| COIL SPRINGS | | | | |
|---|---|---|---|---|
| | 35mm Lift- Petrol / Diesel / Bar | 1 | **TDC773** | $ Pr |
| | 35mm lift- Petrol / Diesel / Bar / Winch | 1 | **TDC773H** | $ Pr |

| LEAF SPRINGS | | | | |
|---|---|---|---|---|
| | 0-300kg load | 2 | **T86C** | $ Ea |
| | CONSTANT 300kg load | 2 | **T86L** | $ Ea |
| | CONSTANT 500kg load | 2 | **T86LL** | $ Ea |

| LEAF SPRING FITMENT KIT | | | | | |
|---|---|---|---|---|---|
| | Urethane Shackle bush kit | 1 | **TDFK-021** | TDUK-079 | $ Kt |
| | U-Bolt kit | | | TDUB-005 | |
| | Greaseable Shackle kit | | | TDGS-669 | |
| | Greaseable Pin kit | | | TDGP-668 | |

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

# NISSAN

**NAVARA**
**NP300 - LEAF REAR**
**07/2015 ON**
**EST. LIFT FRONT: 35MM | REAR: 35MM**

## FRONT

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **UPPER CONTROL ARMS** | | | | |
| | Upper Control Arms | 1 | **TDCA-007** | $ Pr |

Fitment of Tough Dog Upper Control arms to vehicles that have lifts fitted greater than 50mm may suffer from premature ball joint failure due to droop lengths. The use of strut spacers may also affect the performance and longevity of the UCA ball joint due to the limitations of the spherical bearing housing being breached or bound at full suspension droop. There will be no warranty either expressed or implied if the vehicle is used out of legal driving conditions that will include, but is not limited to, jumping of the vehicle.

| UPPER CONTROL ARMS - REPLACEMENT COMPONENTS | | | | |
|---|---|---|---|---|
| | Bush Kit to fit one UCA - for TDCA-007 | 1 | **TDSK-011** | $ Ea |
| | Ball joint kit to fit one UCA - for TDCA-007 | 1 | **TDSK-012** | $ Ea |

| FRONT INDIVIDUAL COMPONENTS | | | | |
|---|---|---|---|---|
| | Strut Top | 2 | **NIS-3030** | $ Ea |

| FRONT REPLACEMENT BUSHES (QTY PER SHOCK) | | | | |
|---|---|---|---|---|
| | Front bottom eyering | 1 | **ADJ300/40A** | $ Ea |

## REAR

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **AIR ASSIST - COIL INSERT** | | | | |
| | Bellows bag - 35mm lift | 1 | **TDAA-109** | $ Kt |

**Note:** Separate Air Assist components can be viewed on page 14.

| AIR ASSIST - BELLOWS WIRELESS AIR SYSTEM | | | | |
|---|---|---|---|---|
| | Wireless Air System Suits Bellows Airbags | 1 | **TDAS-001** | $ Kt |

| REAR INDIVIDUAL COMPONENTS | | | | |
|---|---|---|---|---|
| | Urethane Shackle bush kit | 1 | **TDUK-079** | $ Kt |
| | U-Bolt kit | 2 | **TDUB-005** | $ Kt |
| | Greaseable Shackle kit | 1 | **TDGS-669** | $ Kt |
| | Greaseable Pin kit | 1 | **TDGP-668** | $ Kt |

| REAR REPLACEMENT BUSHES (QTY PER SHOCK) | | | | |
|---|---|---|---|---|
| | Rear top & bottomeyering | 2 | **404702** | $ Ea |

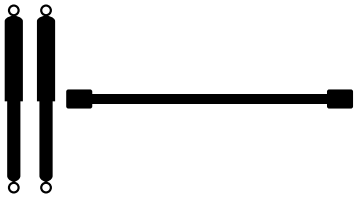
# NISSAN

**PATHFINDER**
**WNYD21, WHYD21**
**12/1986 - 1995**
**EST. LIFT FRONT: 30MM | REAR: 30MM**

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Torsion Bar | 1 | Pr |
| Steering Damper (Optional) | 1 | Ea |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **NITROGEN GAS - SHOCK ABSORBER** | | | | |
| | Up to 30mm Lift | 2 | **BD2057T** | $ Ea |
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | Up to 30mm Lift | 2 | **FC42057B** | $ Ea |

| | | | | |
|---|---|---|---|---|
|  | 26mm / 1232mm | 1 | **4WTB-1458** | $ Pr |

**Note:** Adjust torsion bars after fitting shocks
- ensure a minimum of 60mm droop is maintained

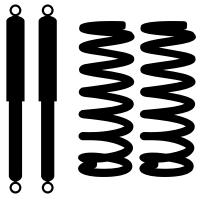
| | | | | |
|---|---|---|---|---|
|  | Replacement Damper | 1 | **SD14035** | $ Ea |

| | | | | |
|---|---|---|---|---|
| | Fits top pin | 2 | **TW959** | $ Ea |
| | Fits bottom eyering #2057 | 1 | **412772** | $ Ea |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Coil Springs | 1 | Pr |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **NITROGEN GAS - SHOCK ABSORBER** | | | | |
| | Up to 30mm Lift | 2 | **BD1382T** | $ Ea |
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | Up to 30mm Lift | 2 | **FC41382B** | $ Ea |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | Up to 30mm Lift | 2 | **BM401382** | $ Ea |

| | | | | |
|---|---|---|---|---|
| | 0-300kg load | 2 | **TDC739** | $ Pr |
| | CONSTANT 300kg load | 2 | **TDC739H** | $ Pr |

| | | | | |
|---|---|---|---|---|
| | Fits top & bottom eyering | 2 | **404702** | $ Ea |

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

# NISSAN

**PATHFINDER**
**R50 (SI, SII, SIII)**
**11/1995-1999 | 2/1999 TO 2005**
**EST. LIFT FRONT: 30MM | REAR: 30MM**

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.

| | | | |
|---|---|---|---|
| Shock Absorber | 2 | Ea |
| Coil Springs | 1 | Pr |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **TWIN TUBE MCPHERSON STRUT** | | | | |
| | OEM Height - 11/1995-1999 - D/S only | 1 | **BDS4002R (D/S)** | $ Ea |
| | OEM Height - 11/1995-1999 - P/S only | 1 | **BDS4003L (P/S)** | $ Ea |
| | 30mm Lift - Suits All Models | 2 | **BDS4024** | $ Ea |

| | | | | |
|---|---|---|---|---|
| **COIL SPRINGS** | | | | |
| | OE Height | 1 | **TDC784S** | $ Pr |
| | Suit Up to Bar | 1 | **TDC784** | $ Pr |
| | Suit Up to Bar / Winch | 1 | **TDC784H** | $ Pr |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.

| | | | |
|---|---|---|---|
| Shock Absorber | 2 | Ea |
| Coil Springs | 1 | Pr |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **NITROGEN GAS - SHOCK ABSORBER** | | | | |
| | OEM Height - 11/1995-1999 Only | 2 | **BD3009T** | $ Ea |
| | 30mm Lift - 11/1995-1999 Only | 2 | **BD3010T** | $ Ea |
| | 30mm Lift - 11/1999-2005 Only | 2 | **BD3011T** | $ Ea |
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | OEM Height - 11/1995-1999 Only | 2 | **FC43009** | $ Ea |
| | 30mm Lift - 11/1995-1999 Only | 2 | **FC43010** | $ Ea |
| | 30mm Lift - 11/1999-2005 Only | 2 | **FC43011** | $ Ea |

| | | | | |
|---|---|---|---|---|
| **COIL SPRINGS** | | | | |
| | OEM Height - 0-300kg load | 1 | **TDC783S** | $ Pr |
| | 0-300kg load | 1 | **TDC783** | $ Pr |
| | CONSTANT 300kg load | 1 | **TDC783H** | $ Pr |

ALL PRICES EXCLUDE FREIGHT. INCLUDE ONLY PERMANENT ACCESSORIES & WEIGHTS WHEN SELECTING SPRINGS. TOWING WEIGHT IS NOT INCLUDED

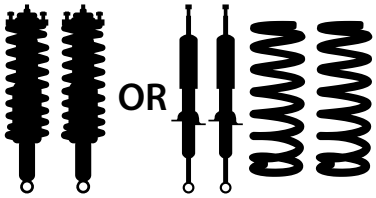
# NISSAN

**PATHFINDER**
**R51 2.5L, 4.0L**
**11/2005 - 2013**
**EST. LIFT FRONT: 40MM | REAR: 40MM**

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.




| | | |
|---|---|---|
| Assembled struts | 2 | Ea |
| OR | | |
| Struts | 2 | Ea |
| Coil Springs | 1 | Pr |
| Strut Top (Optional) | 2 | Ea |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **ASSEMBLED STRUTS - FOAM CELL** | | | | |
| Assembled struts are made up of: 1 x strut, 1 x coil 1 x strut top | | | | |
| | Petrol /Diesel / Bar | 2 | **NIS-040/04** | $ Ea |
| | Petrol / Diesel / Bar / Winch | 2 | **NIS-040/05** | $ Ea |
| **ASSEMBLED STRUTS - 40MM ADJUSTABLE** | | | | |
| Assembled struts are made up of: 1 x strut, 1 x coil 1 x strut top | | | | |
| | Petrol /Diesel / Bar | 2 | **NIS-040/01** | $ Ea |
| | Petrol / Diesel / Bar / Winch | 2 | **NIS-040/02** | $ Ea |
| **STRUT - FOAM CELL** | | | | |
| | Up to 40mm Lift - Strut Only/ No Coil/ No Strut top | 2 | **FC404700** | $ Ea |
| **STRUT - 40MM ADJUSTABLE** | | | | |
| | Up to 40mm Lift - Strut Only/ No Coil/ No Strut top | 2 | **BM404700** | $ Ea |

| COIL SPRINGS | | | | |
|---|---|---|---|---|
| | Petrol / Diesel / Bar | 2 | **TDC770** | $ Pr |
| | Petrol / Diesel / Bar / Winch | 2 | **TDC770H** | $ Pr |

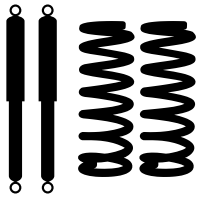
| FRONT INDIVIDUAL COMPONENTS | | | | |
|---|---|---|---|---|
| | Strut Top | 2 | **NIS-3030** | $ Ea |

| FRONT REPLACEMENT BUSHES (QTY PER SHOCK) | | | | |
|---|---|---|---|---|
| | Front bottom eyering | 1 | **ADJ300/40A** | $ Ea |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.



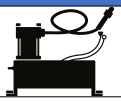
| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Coil Springs | 1 | Pr |
| Coil Insert Airbags (Optional) | 1 | Kt |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | Up to 40mm Lift | 2 | **FC41347** | $ Ea |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | Up to 40mm Lift | 2 | **BM401347** | $ Ea |

| COIL SPRINGS | | | | |
|---|---|---|---|---|
| | 0-300kg load | 1 | **TDC771** | $ Pr |
| | CONSTANT 300kg load | 1 | **TDC771H** | $ Pr |
| | CONSTANT 500kg load | 1 | **TDC771XHD** | $ Pr |

| AIR ASSIST - COIL INSERT | | | | |
|---|---|---|---|---|
| | Coil Insert bag - OEM Height | 1 | **TDAA-018** | $ Kt |
| | Coil Insert bag - 40mm lift | 1 | **TDAA-002** | $ Kt |

**Note:** Separate Air Assist components can be viewed on page 14.

| AIR ASSIST - COIL INSERT WIRELESS AIR SYSTEM | | | | |
|---|---|---|---|---|
|  | Wireless Air System Suits Coil Insert Airbags | 1 | **TDAS-002** | $ Kt |

| REAR REPLACEMENT BUSHES (QTY PER SHOCK) | | | | |
|---|---|---|---|---|
| | Rear top & bottom eyering | 2 | **4W-BS101CH** | $ Ea |

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

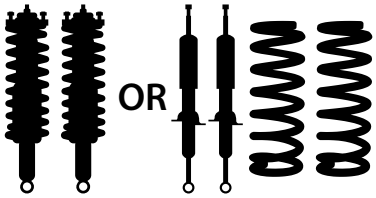
# NISSAN
## PATHFINDER
## R51 3.0L V6
## 11/2005-2013
**EST. LIFT FRONT: 40MM | REAR: 40MM**

TOUGH DOG 4WD Suspension ... Making Tracks Across the World

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.




| | | |
|---|---|---|
| Assembled struts | 2 | Ea |
| OR | | |
| Struts | 2 | Ea |
| Coil Springs | 1 | Pr |
| Strut Top (Optional) | 2 | Ea |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **ASSEMBLED STRUTS - FOAM CELL** | | | | |
| Assembled struts are made up of: 1 x strut, 1 x coil 1 x strut top | | | | |
| | Petrol /Diesel / Bar | 2 | **NIS-040/07** | $ Ea |
| | Petrol / Diesel / Bar / Winch | 2 | **NIS-040/08** | $ Ea |
| **ASSEMBLED STRUTS - 40MM ADJUSTABLE** | | | | |
| Assembled struts are made up of: 1 x strut, 1 x coil 1 x strut top | | | | |
| | Petrol /Diesel / Bar | 2 | **NIS-040/06** | $ Ea |
| | Petrol / Diesel / Bar / Winch | 2 | **NIS-040/03** | $ Ea |
| **STRUT - FOAM CELL** | | | | |
| | Up to 40mm Lift - Strut Only/ No Coil/ No Strut top | 2 | **FC404700** | $ Ea |
| **STRUT - 40MM ADJUSTABLE** | | | | |
| | Up to 40mm Lift - Strut Only/ No Coil/ No Strut top | 2 | **BM404700** | $ Ea |

### COIL SPRINGS

| | | | | |
|---|---|---|---|---|
| | Petrol / Diesel / Bar | 2 | **TDC772** | $ Pr |
| | Petrol / Diesel / Bar / Winch | 2 | **TDC772H** | $ Pr |

### FRONT INDIVIDUAL COMPONENTS

| | | | | |
|---|---|---|---|---|
| | Strut Top | 2 | **NIS-3030** | $ Ea |

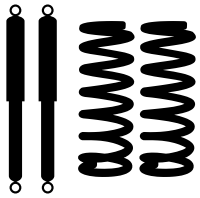
### FRONT REPLACEMENT BUSHES (QTY PER SHOCK)

| | | | | |
|---|---|---|---|---|
| | Front bottom eyering | 1 | **ADJ300/40A** | $ Ea |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Coil Springs | 1 | Pr |
| Coil Insert Airbags (Optional) | 1 | Kt |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | Up to 40mm Lift | 2 | **FC41347** | $ Ea |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | Up to 40mm Lift | 2 | **BM401347** | $ Ea |

### COIL SPRINGS

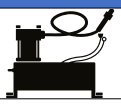
| | | | | |
|---|---|---|---|---|
| | 0-300kg load | 1 | **TDC771** | $ Pr |
| | CONSTANT 300kg load | 1 | **TDC771H** | $ Pr |
| | CONSTANT 500kg load | 1 | **TDC771XHD** | $ Pr |

### AIR ASSIST - COIL INSERT

| | | | | |
|---|---|---|---|---|
| | Coil Insert bag - OEM Height | 1 | **TDAA-018** | $ Kt |
| | Coil Insert bag - 40mm lift | 1 | **TDAA-002** | $ Kt |

**Note:** Separate Air Assist components can be viewed on page 14.

### AIR ASSIST - COIL INSERT WIRELESS AIR SYSTEM

| | | | | |
|---|---|---|---|---|
|  | Wireless Air System Suits Coil Insert Airbags | 1 | **TDAS-002** | $ Kt |

### REAR REPLACEMENT BUSHES (QTY PER SHOCK)

| | | | | |
|---|---|---|---|---|
| | Rear top & bottom eyering | 2 | **4W-BS101CH** | $ Ea |

ALL PRICES EXCLUDE FREIGHT. INCLUDE ONLY PERMANENT ACCESSORIES & WEIGHTS WHEN SELECTING SPRINGS. TOWING WEIGHT IS NOT INCLUDED

# NISSAN

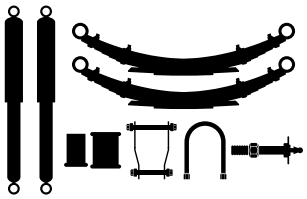
**PATROL**
**MQ, MK**
**09/1980 - 1988**
**EST. LIFT FRONT: 40MM | REAR: 40MM**

TOUGH DOG 4WD Suspension ... Making Tracks Across the World

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.

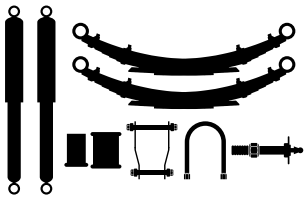


| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Leaf Spring | 2 | Ea |
| Urethane Bushes | 1 | Kt |
| U-Bolt | 2 | Kt |
| Greaseable Shackles | 1 | Kt |
| Greaseable Pin | 1 | Kt |
| Steering Damper (Optional) | 1 | Ea |
| Offset King Pins (Optional) | 1 | Ea |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Leaf Spring | 2 | Ea |
| Urethane Bushes | 1 | Kt |
| U-Bolt | 2 | Kt |
| Greaseable Shackles | 1 | Kt |
| Greaseable Pin | 1 | Kt |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **NITROGEN GAS - SHOCK ABSORBER** | | | | |
| | OE Height | 2 | **BD1005T** | $ Ea |
| | 40mm Lift | 2 | **BD1007T** | |
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | OE Height | 2 | **FC41005** | $ Ea |
| | 40mm Lift | 2 | **FC41007** | |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | OE Height | 2 | **BM401005** | $ Ea |
| | 40mm Lift | 2 | **BM401007** | |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **NITROGEN GAS - SHOCK ABSORBER** | | | | |
| | OE Height | 2 | **BD1400T** | $ Ea |
| | 40mm Lift | 2 | **BD1441T** | |
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | OE Height | 2 | **FC41400** | $ Ea |
| | 40mm Lift | 2 | **FC41441** | |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | OE Height | 2 | **BM401400** | $ Ea |
| | 40mm Lift | 2 | **BM401441** | |

| LEAF SPRINGS | | | | |
|---|---|---|---|---|
| | Up to Steel Bar | 2 | **BPN-007** | $ Ea |
| | With bar & winch | 2 | **BPN-007H** | $ Ea |

| LEAF SPRINGS | | | | |
|---|---|---|---|---|
| | 0-300kg load | 2 | **BPN-008** | $ Ea |
| | CONSTANT 300kg load | 2 | **BPN-008H** | $ Ea |

| STEERING DAMPERS | | | | |
|---|---|---|---|---|
| | Heavy duty replacement damper | 1 | **EXT5005** | $ Ea |
| | Return to centre damper - power steering | 1 | **SS5005-P/S** | $ Ea |
| | Return to centre damper - manual steering | 1 | **SS5005-M/S** | $ Ea |

| OFFSET KING PINS | | | | |
|---|---|---|---|---|
| | 0.5 Degree | 1 | **NAK-005** | $ Ea |
| | 0.75 Degree | 1 | **NAK-075** | $ Ea |
| | 1.0 Degree | 1 | **NAK-001** | $ Ea |

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

# NISSAN

**PATROL**
**MQ, MK**
**09/1980 - 1988**
**EST. LIFT FRONT: 40MM | REAR: 40MM**

## FRONT

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FRONT INDIVIDUAL COMPONENTS** | | | | |
| | Urethane shackle bush kit | 1 | **TDUK-009** | $ Kt |
| **Note:** Must be fitted with TD springs | | | | |
| | U-bolt kit | 1 | **TDUB-009** | $ Kt |
| | U-bolt kit | 1 | **TDUB-004** | $ Kt |
| | Greasable pin kit | 1 | **TDGP-470** | $ Kt |
| | Greasable shackle kit - MQ with oe springs | 1 | **TDGS-355** | $ Kt |
| | Greasable shackle kit - MQ, MK with TD springs | 1 | **TDGS-665** | $ Kt |

## REAR

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **REAR INDIVIDUAL COMPONENTS** | | | | |
| | Urethane shackle bushing kit | 1 | **TDUK-010** | $ Kt |
| | U-bolt kit | 2 | **TDUB-010** | $ Kt |
| | Greasable pin kit | 1 | **TDGP-470** | $ Kt |
| | Greasable shackle kit | 1 | **TDGS-664** | $ Kt |

| FRONT REPLACEMENT BUSHES (QTY PER SHOCK) | | | | |
|---|---|---|---|---|
| | Front top & bottom pin | 4 | **TW969** | $ Ea |

| REAR REPLACEMENT BUSHES (QTY PER SHOCK) | | | | |
|---|---|---|---|---|
| | Rear top eyering | 1 | **404702** | $ Ea |
| | Rear bottom pin | 2 | **TW959** | $ Ea |

# NISSAN

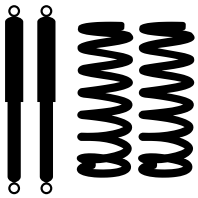
**PATROL**
**GQ (Y60) 2" LIFT**
**01/1988 - 1998**
**EST. LIFT FRONT: 50MM | REAR: 50MM**

TOUGH DOG 4WD Suspension ... Making Tracks Across the World

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.

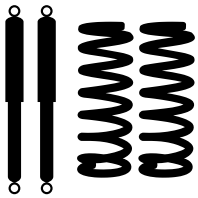


| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Coil Springs | 1 | Pr |
| Panhard Rod (Optional) | 1 | Ea |
| Castor Correction (Optional) | 1 | Ea |
| Steering Damper (Optional) | 1 | Ea |
| Offset King Pins (Optional) | 1 | Ea |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.



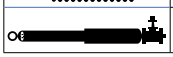
| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Coil Springs | 1 | Pr |
| Panhard Rod (Optional) | 1 | Ea |
| Coil Insert Air bag (Optional) | 1 | Ea |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | Up to 50mm Lift - Shock only | 2 | **FC41047** | $ Ea |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | Up to 50mm Lift - Shock only | 2 | **BM401047** | $ Ea |
| **45MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | Only 50mm Lift - Shock only | 2 | **BMX1047/2** | $ Ea |
| **RALPH - SHOCK ABSORBER** | | | | |
| | Up to 50mm Lift - Shock only | 2 | **TDR1047B** | $ Ea |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | Up to 50mm Lift - Shock only | 2 | **FC41206** | $ Ea |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | Up to 50mm Lift - Shock only | 2 | **BM401206** | $ Ea |
| **45MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | Only 50mm Lift - Shock only | 2 | **BMX1206/2** | $ Ea |
| **RALPH - SHOCK ABSORBER** | | | | |
| | Up to 50mm Lift - Shock only | 2 | **TDR1206** | $ Ea |

| | | | | |
|---|---|---|---|---|
| **COIL SPRINGS - 25MM** | | | | |
| | Suit SWB /Alloy Bar | 1 | **TDC731** | $ Pr |
| | Suit LWB /Bar | 1 | **TDC734SL** | $ Pr |
| | Suit LWB /Bar /Winch | 1 | **TDC734HSL** | $ Pr |
| **COIL SPRINGS - 50MM** | | | | |
| | Suit 2.8L /LWB /Alloy Bar | 1 | **TDC734CL** | $ Pr |
| | Suit LWB /Bar | 1 | **TDC734L** | $ Pr |
| | Suit LWB /Bar /Winch | 1 | **TDC734HL** | $ Pr |

| | | | | |
|---|---|---|---|---|
| **COIL SPRINGS - 25MM LIFT** | | | | |
| | 0-300kg load - SWB | 1 | **TDC733** | $ Pr |
| | 0-300kg load - LWB | 1 | **TDC732SL** | $ Pr |
| | CONSTANT 300kg load - LWB | 1 | **TDC732HSL** | $ Pr |
| **COIL SPRINGS - 50MM LIFT** | | | | |
| | No Load /Comfort | 1 | **TDC732CL** | $ Pr |
| | 0-300kg load | 1 | **TDC732L** | $ Pr |
| | CONSTANT 300kg load | 1 | **TDC749HL** | $ Pr |

| | | | | |
|---|---|---|---|---|
| **STEERING DAMPERS - 02/1988-08/1989 ONLY** | | | | |
| | Replacement Damper | 1 | **EXT5612** | $ Ea |
| | Return to Center | 1 | **SS5612-P/S** | $ Ea |
| | 9 Stage Adjustable | 1 | **SV5612** | $ Ea |
| **STEERING DAMPERS - 09-1989-1998 ONLY** | | | | |
| | Replacement Damper | 1 | **EXT5613** | $ Ea |
| | Return to Center | 1 | **SS5613-P/S** | $ Ea |
|  | 9 Stage Adjustable | 1 | **SV5613** | $ Ea |

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

# NISSAN

**PATROL**
**GQ (Y60) 2" LIFT**
**01/1988 - 1998**
**EST. LIFT FRONT: 50MM | REAR: 50MM**

## FRONT

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **PANHARD RODS - ALL GQ & GU UTE, GU WAGON PRE 02/2000** | | | | |
| | Adjustable - RHD | 1 | **TDPR-004** | $ Ea |
| | Adjustable - LHD | 1 | **TDPR-014** | $ Ea |

## REAR

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **PANHARD RODS - ALL GQ & GU UTE, GU WAGON PRE 02/2000** | | | | |
| | Adjustable - All | 1 | **TDPR-005** | $ Ea |

## OFFSET KING PINS

| | | | | |
|---|---|---|---|---|
| | 0.5 Degree | 1 | **NAK-005** | $ Ea |
| | 0.75 Degree | 1 | **NAK-075** | $ Ea |
| | 1.0 Degree | 1 | **NAK-001** | $ Ea |

## CASTOR CORRECTION

| | | | | |
|---|---|---|---|---|
| | 2 Degree caster correction bush | 1 | **TDUK-054/2** | $ Kt |

## AIR ASSIST - COIL INSERT

| | | | | |
|---|---|---|---|---|
| | Coil Insert bag - OEM Height | 1 | **TDAA-017** | $ Kt |
| | Coil Insert bag - 50mm Lift | 1 | **TDAA-008** | $ Kt |

**Note:** Separate Air Assist components can be viewed on page 14.

## AIR ASSIST - COIL INSERT WIRELESS AIR SYSTEM

| | | | | |
|---|---|---|---|---|
| | Wireless Air System Suits Coil Insert Airbags | 1 | **TDAS-002** | $ Kt |

## FRONT INDIVIDUAL COMPONENTS

| | | | | |
|---|---|---|---|---|
| | 15mm Urethane Spring spacer | 1 | **TDUK-1734/15** | $ Ea |
| | 30mm Urethane Spring spacer | 1 | **TDUK-1734/30** | $ Ea |
| | Panhard rod bush kit (TDPR-004, 005, 014) | 1 | **TDUK-051** | $ Kt |
| | Front Radius rod to Chassis | 1 | **TDUK-041** | $ Kt |
| | Front Radius rod to diff | 1 | **TDUK-050** | $ Kt |

## REAR INDIVIDUAL COMPONENTS

| | | | | |
|---|---|---|---|---|
| | 15mm Urethane Spring spacer | 1 | **TDUK-1736/15** | $ Ea |
| | 30mm Urethane Spring spacer | 1 | **TDUK-1736/30** | $ Ea |
| | Upper & Lower Trailing Arm bush kit | 2 | **TDUK-052** | $ Kt |
| | Panhard rod bush kit (TDPR-004, 005, 014) | 1 | **TDUK-051** | $ Kt |

## FRONT REPLACEMENT BUSHES (QTY PER SHOCK)

| | | | | |
|---|---|---|---|---|
| | Fits top & bottom pin | 4 | **TW967** | $ Ea |

## REAR REPLACEMENT BUSHES (QTY PER SHOCK)

| | | | | |
|---|---|---|---|---|
| | Fits top eyering | 1 | **ADJ00191** | $ Ea |
| | Fits bottom eyering | 1 | **415024** | $ Ea |

ALL PRICES EXCLUDE FREIGHT. INCLUDE ONLY PERMANENT ACCESSORIES & WEIGHTS WHEN SELECTING SPRINGS. TOWING WEIGHT IS NOT INCLUDED

# NISSAN

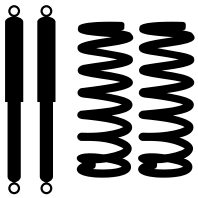
**PATROL**
**GU (Y61) 2" LIFT WAGON**
**12/1997 - 2016**
**EST. LIFT FRONT: 50MM | REAR: 50MM**

TOUGH DOG 4WD Suspension ... Making Tracks Across the World

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.

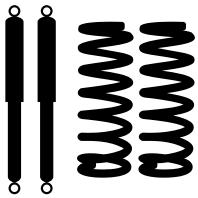


| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Coil Springs | 1 | Pr |
| Panhard Rod (Optional) | 1 | Ea |
| Castor Correction (Optional) | 1 | Ea |
| Steering Damper (Optional) | 1 | Ea |
| Offset King Pins (Optional) | 1 | Ea |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Coil Springs | 1 | Pr |
| Panhard Rod (Optional) | 1 | Ea |
| Coil Insert Air bag (Optional) | 1 | Ea |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| | **FOAM CELL - SHOCK ABSORBER** | | | |
| | Up to 50mm Lift - Shock only | 2 | **FC41047** | $ Ea |
| | **40MM ADJUSTABLE - SHOCK ABSORBER** | | | |
| | Up to 50mm Lift - Shock only | 2 | **BM401047** | $ Ea |
| | **45MM ADJUSTABLE - SHOCK ABSORBER** | | | |
| | Only 50mm Lift - Shock only | 2 | **BMX1047/2** | $ Ea |
| | **RALPH - SHOCK ABSORBER** | | | |
| | Up to 50mm Lift - Shock only | 2 | **TDR1047B** | $ Ea |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| | **FOAM CELL - SHOCK ABSORBER** | | | |
| | Up to 50mm Lift - Shock only | 2 | **FC41206** | $ Ea |
| | **40MM ADJUSTABLE - SHOCK ABSORBER** | | | |
| | Up to 50mm Lift - Shock only | 2 | **BM401206** | $ Ea |
| | **45MM ADJUSTABLE - SHOCK ABSORBER** | | | |
| | Up to 50mm Lift - Shock only | 2 | **BMX1206/2** | $ Ea |
| | **RALPH - SHOCK ABSORBER** | | | |
| | Up to 50mm Lift - Shock only | 2 | **TDR1206** | $ Ea |

| | | | | |
|---|---|---|---|---|
| **COIL SPRINGS - 25MM** | | | | |
| | Suit LWB /Bar | 1 | **TDC734SL** | $ Pr |
| | Suit LWB /Bar /Winch | 1 | **TDC734HSL** | $ Pr |
| **COIL SPRINGS - 50MM** | | | | |
| | Suit LWB /Bar | 1 | **TDC734L** | $ Pr |
| | Suit LWB /Bar /Winch | 1 | **TDC734HL** | $ Pr |

| | | | | |
|---|---|---|---|---|
| **COIL SPRINGS - 25MM LIFT** | | | | |
| | 0-300kg load - LWB | 1 | **TDC742SL** | $ Pr |
| | CONSTANT 300kg load - LWB | 1 | **TDC742HSL** | $ Pr |
| **COIL SPRINGS - 50MM LIFT** | | | | |
| | 0-300kg load - LWB | 1 | **TDC742L** | $ Pr |
| | CONSTANT 300kg load - LWB | 1 | **TDC742HL** | $ Pr |

| | | | | |
|---|---|---|---|---|
| **STEERING DAMPERS - 12/1997-2000 ONLY** | | | | |
| | Replacement Damper | 1 | **EXT5000** | $ Ea |
| | Return to Center | 1 | **SS5000P/S** | $ Ea |
| | 9 Stage Adjustable | 1 | **SV5000** | $ Ea |
| **STEERING DAMPERS - 2/2000-2015 ONLY** | | | | |
| | Replacement Damper | 1 | **EXT5617** | $ Ea |
| | Return to Center | 1 | **SS5617P/S** | $ Ea |
| | 9 Stage Adjustable | 1 | **SV5617** | $ Ea |

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

# NISSAN

**PATROL**
**GU (Y61) 2" LIFT WAGON**
**12/1997 - 2016**
**EST. LIFT FRONT: 50MM | REAR: 50MM**

## FRONT

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **PANHARD RODS - ALL GQ & GU UTE, GU WAGON PRE 02/2000** | | | | |
| | Adjustable - RHD | 1 | **TDPR-004** | $ Ea |
| | Adjustable - LHD | 1 | **TDPR-014** | $ Ea |
| **PANHARD RODS - GU WAGON 02/2000 ON** | | | | |
| | Adjustable - RHD | 1 | **TDPR-012** | $ Ea |
| | Adjustable - LHD | 1 | **TDPR-016** | $ Ea |

## REAR

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **PANHARD RODS - ALL GQ & GU UTE, GU WAGON PRE 02/2000** | | | | |
| | Adjustable | 1 | **TDPR-005** | $ Ea |
| **PANHARD RODS - GU WAGON 02/2000 ON** | | | | |
| | Adjustable - All | 1 | **TDPR-013** | $ Ea |

## CASTOR CORRECTION

| | | | | |
|---|---|---|---|---|
| | 2 Degree caster correction bush | 1 | **TDUK-054/2** | $ Kt |

## OFFSET KING PINS

| | | | | |
|---|---|---|---|---|
| | 0.5 Degree | 1 | **NAK-005** | $ Ea |
| | 0.75 Degree | 1 | **NAK-075** | $ Ea |
| | 1.0 Degree | 1 | **NAK-001** | $ Ea |

## AIR ASSIST - COIL INSERT

| | | | | |
|---|---|---|---|---|
| | Coil Insert bag - OEM Height | 1 | **TDAA-017** | $ Kt |
| | Coil Insert bag - 50mm Lift | 1 | **TDAA-008** | $ Kt |

**Note:** Separate Air Assist components can be viewed on page 14.

## AIR ASSIST - COIL INSERT WIRELESS AIR SYSTEM

| | | | | |
|---|---|---|---|---|
| | Wireless Air System Suits Coil Insert Airbags | 1 | **TDAS-002** | $ Kt |

## FRONT INDIVIDUAL COMPONENTS

| | | | | |
|---|---|---|---|---|
| | 15mm Urethane Spring spacer | 1 | **TDUK-1734/15** | $ Ea |
| | 30mm Urethane Spring spacer | 1 | **TDUK-1734/30** | $ Ea |
| | Panhard rod bush kit (TDPR-004, 005, 014) | 1 | **TDUK-051** | $ Kt |
| | Panhard rod bush kit (TDPR-012, 016) - Diff end | 1 | **TDUK-055** | $ Kt |
| | Panhard rod bush kit (TDPR-012, 016) - Chassis end | 1 | **TDUK-056** | $ Kt |
| | Front Radius Rod To Diff | 1 | **TDUK-050** | $ Kt |
| | Front Radius Rod To Chassis | 1 | **TDUK-041** | $ Kt |

## REAR INDIVIDUAL COMPONENTS

| | | | | |
|---|---|---|---|---|
| | 15mm Urethane Spring spacer | 1 | **TDUK-1736/15** | $ Ea |
| | 30mm Urethane Spring spacer | 1 | **TDUK-1736/30** | $ Ea |
| | Panhard rod bush (TDPR-013) - Diff end | 1 | **TDUK-055** | $ Kt |
| | Panhard rod bush kit (TDPR-013) - Chassis end | 1 | **TDUK-056** | $ Kt |
| | Panhard rod bush kit (TDPR-004, 005, 014) | 1 | **TDUK-051** | $ Kt |
| | Upper & Lower Trailing Arm bush kit | 2 | **TDUK-052** | $ Kt |

## FRONT REPLACEMENT BUSHES (QTY PER SHOCK)

| | | | | |
|---|---|---|---|---|
| | Fits top & bottom pin | 4 | **TW967** | $ Ea |

## REAR REPLACEMENT BUSHES (QTY PER SHOCK)

| | | | | |
|---|---|---|---|---|
| | Fits top eyering | 1 | **ADJ00191** | $ Ea |
| | Fits bottom eyering | 1 | **415024** | $ Ea |

**FOR GVM UPGRADES, SEE PAGE 166**

# GVM UPGRADE

## NISSAN PATROL Y61 WAGON

*TD42 1997-03/2007*
*ZD30 2000-2016*

FROM **3000KG*** TO **3550KG***

### WHAT YOU GET:

- EXTRA PAYLOAD UP TO **550KG***
- UPGRADED SUSPENSION
- IMPROVED HANDLING & LOAD CARRYING

**VEHICLE SPECIFICATIONS**

| DESCRIPTION | ORIGINAL EQUIPMENT | TOUGH DOG |
|---|---|---|
| FRONT AXLE RATING | 1500KG | **1600KG** |
| REAR AXLE RATING | 18009KG | **2050KG** |
| GROSS VEHICLE MASS (GVM) | 3000KG - 3150KG | **3550KG** |
| TOWING CAPACITY (BRAKED) | Refer OEM SPECIFICATIONS | **REFER OEM SPECIFICATIONS** |
| GROSS COMBINED MASS (GCM) | | |

- *Payload increase is based on model variant.
- Available on ABS equipped models only

**TOUGH DOG GVM UPGRADES CAN ONLY BE ORDERED THROUGH A TOUGH DOG APPROVED GVM DEALER**

TD42 1997-03/2007

ZD30 2000-2016

| DESCRIPTION | GVM UPGRADE | PART NO | RRP |
|---|---|---|---|
| FRONT: BAR + WINCH \| REAR: 350KG MIN. LOAD | 3550KG | TDGVM-083 | |

## LOGIN INTO THE DEALER PORTAL TO START YOUR GVM ORDER!

**WWW.TOUGHDOG.COM.AU/DEALER/PORTALHOME**

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# NISSAN

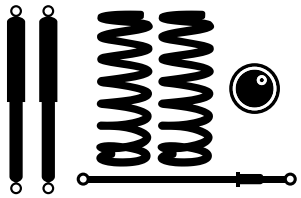
**PATROL**
**GQ, GU (Y60, Y61) - 3" LIFT**
**02/1988 - 2016**
**EST. LIFT FRONT: 75MM | REAR: 75MM**

TOUGH DOG 4WD Suspension ... Making Tracks Across the World

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.

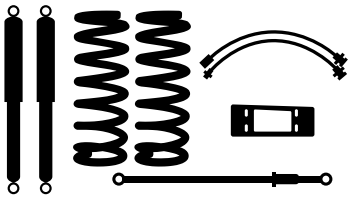


| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Coil Springs | 1 | Pr |
| Castor Correction | 1 | Kt |
| Panhard Rod | 1 | Ea |
| Steering Damper (Optional) | 1 | Ea |
| Offset King Pins (Optional) | 1 | Ea |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Coil Springs | 1 | Pr |
| Panhard Rod | 1 | Ea |
| Brake Hose | 1 | Ea |
| Transmission Spacer | 1 | Ea |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | 75mm Lift | 2 | **FC41047/3** | $ Ea |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | 75mm Lift | 2 | **BM401047/3** | $ Ea |
| **45MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | 75mm Lift | 2 | **BMX1047/3** | $ Ea |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | 75mm Lift | 2 | **FC41206/3** | $ Ea |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | 75mm Lift | 2 | **BM401206/3** | $ Ea |
| **45MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | 75mm Lift | 2 | **BMX1206/3** | $ Ea |

| COIL SPRINGS | | | | |
|---|---|---|---|---|
| | No Bar or with Bar | 1 | **TDC734/3** | $ Pr |
| | Steel Bar & Winch | 1 | **TDC734/3H** | $ Pr |

| COIL SPRINGS | | | | |
|---|---|---|---|---|
| | 0-300kg load | 1 | **TDC732/3** | $ Pr |
| | CONSTANT 300kg load | 1 | **TDC732/3H** | $ Pr |

| PANHARD RODS - ALL GQ & GU UTE, GU WAGON PRE 02/2000 | | | | |
|---|---|---|---|---|
| | Adjustable - RHD | 1 | **TDPR-004** | $ Ea |
| | Adjustable - LHD | 1 | **TDPR-014** | $ Ea |
| **PANHARD RODS - GU WAGON 02/2000 ON** | | | | |
| | Adjustable - RHD | 1 | **TDPR-012** | $ Ea |
| | Adjustable - LHD | 1 | **TDPR-016** | $ Ea |

| PANHARD RODS - ALL GQ & GU UTE, GU WAGON PRE 02/2000 | | | | |
|---|---|---|---|---|
| | Adjustable - All | 1 | **TDPR-005** | $ Ea |
| **PANHARD RODS - GU WAGON 02/2000 ON** | | | | |
| | Adjustable - All | 1 | **TDPR-013** | $ Ea |

| CASTOR CORRECTION | | | | |
|---|---|---|---|---|
| | 2 Degree caster correction bush | 1 | **TDUK-054/2** | $ Kt |

| TRANSMISSION SPACER | | | | |
|---|---|---|---|---|
| | Transmission spacer | 1 | **TDSP-004/2** | $ Ea |

| STEERING DAMPERS - 02/1988-18/1989 ONLY | | | | |
|---|---|---|---|---|
| | Replacement Damper | 1 | **EXT5612** | $ Ea |
| | Return to Center | 1 | **SS5612-P/S** | $ Ea |
| | 9 Stage Adjustable | 1 | **SV5612** | $ Ea |
| **STEERING DAMPERS - 09-1989-1998 ONLY** | | | | |
| | Replacement Damper | 1 | **EXT5613** | $ Ea |
| | Return to Center | 1 | **SS5613-P/S** | $ Ea |
| | 9 Stage Adjustable | 1 | **SV5613** | $ Ea |

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

# NISSAN

**PATROL**
**GQ, GU (Y60, Y61) - 3" LIFT**
**02/1988 - 2016**
**EST. LIFT FRONT: 75MM | REAR: 75MM**

## FRONT

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **STEERING DAMPERS - 02/1997 - 02/2000 ONLY** | | | | |
| | Replacement Damper | 1 | **EXT5000** | $ Ea |
| | Return to Center | 1 | **SS5000-P/S** | $ Ea |
| | 9 Stage Adjustable | 1 | **SV5000** | $ Ea |
| **STEERING DAMPERS - 04/2000 - 2/2000 - 2016** | | | | |
| | Replacement Damper | 1 | **EXT5617** | $ Ea |
| | Return to Center | 1 | **SS5617-P/S** | $ Ea |
| | 9 Stage Adjustable | 1 | **SV5617** | $ Ea |

## REAR

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|

| BRAKE HOSE KITS - UP TO 2002 - GQ / GU | | | | |
|---|---|---|---|---|
| | Non ABS Rubber hose | 1 | **TDBH-001** | $ Ea |
| | Non ABS Braided hose | 1 | **TDBH-194** | $ Ea |
| **BRAKE HOSE KITS - 1998 ON - GU ONLY** | | | | |
| | ABS rubber hose | 1 | **TDBH-390** | $ Ea |
| | ABS braided hose | 1 | **TDBH-190** | $ Ea |
| | ABS & Stability rubber hose | 1 | **TDBH-400** | $ Ea |

| OFFSET KING PINS | | | | |
|---|---|---|---|---|
| | 0.5 Degree | 1 | **NAK-005** | $ Ea |
| | 0.75 Degree | 1 | **NAK-075** | $ Ea |
| | 1.0 Degree | 1 | **NAK-001** | $ Ea |

| FRONT INDIVIDUAL COMPONENTS | | | | |
|---|---|---|---|---|
| | Front Radius rod to Chassis | 1 | **TDUK-041** | $ Kt |
| | Front Radius rod to diff | 1 | **TDUK-050** | $ Kt |
| | Panhard rod bush kit (TDPR-004, 005, 014) | 1 | **TDUK-051** | $ Kt |
| | Panhard rod bush kit (TDPR-012, 016) - Diff end | 1 | **TDUK-055** | $ Kt |
| | Panhard rod bush kit (TDPR-012, 016) - Chassis end | 1 | **TDUK-056** | $ Kt |

| REAR INDIVIDUAL COMPONENTS | | | | |
|---|---|---|---|---|
| | Panhard rod bush kit (TDPR-004, 005, 014) | 1 | **TDUK-051** | $ Kt |
| | Upper & Lower Trailing Arm bush kit | 1 | **TDUK-052** | $ Kt |
| | Panhard rod bush (TDPR-013) - Diff end | 1 | **TDUK-055** | $ Kt |
| | Panhard rod bush kit (TDPR-013) - Chassis end | 1 | **TDUK-056** | $ Kt |

| FRONT REPLACEMENT BUSHES (QTY PER SHOCK) | | | | |
|---|---|---|---|---|
| | Fits top & bottom pin | 4 | **TW967** | $ Ea |

| REAR REPLACEMENT BUSHES (QTY PER SHOCK) | | | | |
|---|---|---|---|---|
| | Fits top eyering | 1 | **ADJ00191** | $ Ea |
| | Fits bottom eyering | 1 | **415024** | $ Ea |

# NISSAN

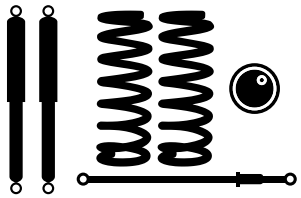
**PATROL**
**GQ, GU (Y60, Y61) - 4", 5", 6" LIFT**
**02/1988 - 2016**
**EST. LIFT FRONT: 100MM,125MM,150MM | REAR: 100MM,125MM,150MM**

TOUGH DOG 4WD Suspension ... Making Tracks Across the World

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.

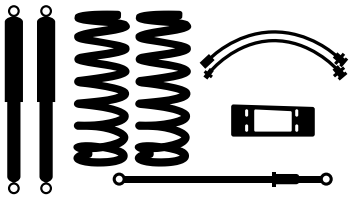


| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Coil Springs | 1 | Pr |
| Castor Correction | 1 | Ea |
| Panhard Rod | 1 | Ea |
| Steering Damper (Optional) | 1 | Ea |
| Offset King Pins (Optional) | 1 | Ea |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Coil Springs | 1 | Pr |
| Panhard Rod | 1 | Ea |
| Brake Hose | 1 | Ea |
| Transmission Spacer | 1 | Ea |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | 100mm / 4" Lift | 2 | **FC41047/4** | $ Ea |
| | **45MM ADJUSTABLE - SHOCK ABSORBER** | | | |
| | 100mm / 4" Lift | 2 | **BMX1047/4/5** | $ Ea |
| | 125mm / 5" Lift | 2 | **BMX1047/4/5** | |
| | 150mm / 6" Lift | 2 | **BMX1047/6** | |
| | 200mm / 8" Lift | 2 | **BMX1047/8** | |

**Note:** BMX1247/8 Shocks Only, No Suited Coils.

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | 100mm / 4" Lift | 2 | **FC41206/4** | $ Ea |
| | **45MM ADJUSTABLE - SHOCK ABSORBER** | | | |
| | 100mm / 4" Lift | 2 | **BMX1206/4** | $ Ea |
| | 125mm / 5" Lift | 2 | **BMX1206/4/5** | |
| | 150mm / 6" Lift | 2 | **BMX1206/6** | |
| | 200mm / 8" Lift | 2 | **BMX1206/8** | |

**Note:** BMX1206/8 Shocks Only, No Suited Coils.

| COIL SPRINGS | | | | |
|---|---|---|---|---|
| | 100mm / 4" Lift No Bar or with Bar | 1 | **TDC734/4** | $ Pr |
| | 100mm / 4" Lift Steel Bar & Winch | 1 | **TDC734/4H** | $ Pr |
| | 125mm / 5" Lift No Bar or with Bar | 1 | **TDC734/5** | $ Pr |
| | 125mm / 5" Lift Steel Bar & Winch | 1 | **TDC734/5H** | $ Pr |
| | 150mm / 6" Lift No Bar or with Bar | 1 | **TDC734/6** | $ Pr |
| | 150mm / 6" Lift Steel Bar & Winch | 1 | **TDC734/6H** | $ Pr |

| COIL SPRINGS | | | | |
|---|---|---|---|---|
| | 100mm / 4" Lift 0-300kg load | 1 | **TDC732/4** | $ Pr |
| | 100mm / 4" Lift CONSTANT 300kg load | 1 | **TDC732/4H** | $ Pr |
| | 125mm / 5" Lift 0-300kg load | 1 | **TDC732/5** | $ Pr |
| | 125mm / 5" Lift CONSTANT 300kg load | 1 | **TDC732/5H** | $ Pr |
| | 150mm / 6" Lift 0-300kg load | 1 | **TDC732/6** | $ Pr |
| | 150mm / 6" Lift CONSTANT 300kg load | 1 | **TDC732/6H** | $ Pr |

| CASTOR CORRECTION | | | | |
|---|---|---|---|---|
| | 100mm / 4" Lift 3 Degree Castor Correction bushes | 1 | **TDUK-054/3** | $ Kt |
| | 125mm / 5" & 150mm / 6" Lift 5 Degree Castor Correction Plates | 1 | **TDCP-005** | $ Ea |
| | 7 Degree Caster Correction Plate | 1 | **TDCP-007** | $ Ea |

| TRANSMISSION SPACER | | | | |
|---|---|---|---|---|
| | Transmission spacer | 1 | **TDSP-004/2** | $ Ea |

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

# NISSAN

**PATROL**
**GQ, GU (Y60, Y61) - 4", 5", 6" LIFT**
**02/1988 - 2016**
**EST. LIFT FRONT: 100MM,125MM,150MM | REAR: 100MM,125MM,150MM**

## FRONT

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **PANHARD RODS - ALL GQ & GU UTE, GU WAGON PRE 02/2000** | | | | |
| | Adjustable - RHD | 1 | **TDPR-004** | $ Ea |
| | Adjustable - LHD | 1 | **TDPR-014** | $ Ea |
| **PANHARD RODS - GU WAGON 02/2000 ON** | | | | |
| | Adjustable - RHD | 1 | **TDPR-012** | $ Ea |
| | Adjustable - LHD | 1 | **TDPR-016** | $ Ea |

## REAR

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **PANHARD RODS - ALL GQ & GU UTE, GU WAGON PRE 02/2000** | | | | |
|  | Adjustable - All | 1 | **TDPR-005** | $ Ea |
| **PANHARD RODS - GU WAGON 02/2000 ON** | | | | |
| | Adjustable - All | 1 | **TDPR-013** | $ Ea |

## STEERING DAMPERS - WITH MOUNTING BRACKETS

| | | | | |
|---|---|---|---|---|
| | Return to Center | 1 | **SS5613-XHD** | $ Ea |
| | 9 Stage Adjustable | 1 | **SV5613/4** | $ Ea |

## OFFSET KING PINS

| | | | | |
|---|---|---|---|---|
| | 0.5 Degree | 1 | **NAK-005** | $ Ea |
| | 0.75 Degree | 1 | **NAK-075** | $ Ea |
| | 1.0 Degree | 1 | **NAK-001** | $ Ea |

## BRAKE HOSE KITS - UP TO 2002 - GQ / GU

| | | | | |
|---|---|---|---|---|
| | Non ABS Rubber hose | 1 | **TDBH-001** | $ Ea |
| | Non ABS Braided hose | 1 | **TDBH-194** | $ Ea |
| **BRAKE HOSE KITS - 1998 ON - GU ONLY** | | | | |
| | ABS rubber hose | 1 | **TDBH-390** | $ Ea |
| | ABS braided hose | 1 | **TDBH-190** | $ Ea |
| | ABS & Stability rubber hose | 1 | **TDBH-400** | $ Ea |

## FRONT INDIVIDUAL COMPONENTS

| | | | | |
|---|---|---|---|---|
| | Front Radius rod to Chassis | 1 | **TDUK-041** | $ Kt |
| | Front Radius rod to diff | 1 | **TDUK-050** | $ Kt |
| | Panhard rod bush kit (TDPR-004, 005, 014) | 1 | **TDUK-051** | $ Kt |
| | Panhard rod bush kit (TDPR-012, 016) - Diff end | 1 | **TDUK-055** | $ Kt |
| | Panhard rod bush kit (TDPR-012, 016) - Chassis end | 1 | **TDUK-056** | $ Kt |

## REAR INDIVIDUAL COMPONENTS

| | | | | |
|---|---|---|---|---|
| | Panhard rod bush kit (TDPR-004, 005, 014) | 1 | **TDUK-051** | $ Kt |
| | Upper & Lower Trailing Arm bush kit | 2 | **TDUK-052** | $ Kt |
| | Panhard rod bush (TDPR-013) - Diff end | 1 | **TDUK-055** | $ Kt |
| | Panhard rod bush kit (TDPR-013) - Chassis end | 1 | **TDUK-056** | $ Kt |

## FRONT REPLACEMENT BUSHES (QTY PER SHOCK)

| | | | | |
|---|---|---|---|---|
| | Fits top & bottom pin | 4 | **TW967** | $ Ea |

## REAR REPLACEMENT BUSHES (QTY PER SHOCK)

| | | | | |
|---|---|---|---|---|
| | Fits top eyering | 1 | **ADJ00191** | $ Ea |
| | Fits bottom eyering | 1 | **415024** | $ Ea |

ALL PRICES EXCLUDE FREIGHT. INCLUDE ONLY PERMANENT ACCESSORIES & WEIGHTS WHEN SELECTING SPRINGS. TOWING WEIGHT IS NOT INCLUDED

# NISSAN

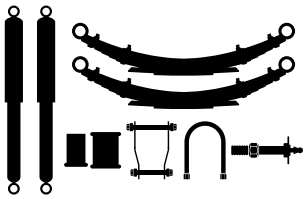
**PATROL**
**GQ/GU CAB CHASSIS (LEAF/LEAF)**
**02/1988 - 1997**
**EST. LIFT FRONT: 50MM | REAR: 50MM**

TOUGH DOG 4WD Suspension ... Making Tracks Across the World

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.

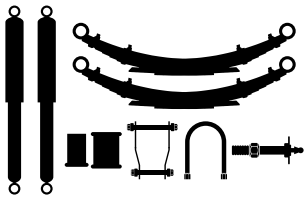


| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Leaf Spring | 2 | Ea |
| Urethane bush kit | 1 | Kt |
| U-Bolt kit | 2 | Kt |
| Greaseable Shackle kit | 1 | Kt |
| Greaseable Pin kit | 1 | Kt |
| Steering Damper (Optional) | 1 | Ea |
| Offset King Pins (Optional) | 1 | Ea |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Leaf Spring | 2 | Ea |
| Urethane bush kit | 1 | Kt |
| U-Bolt kit | 2 | Kt |
| Greaseable Shackle kit | 1 | Kt |
| Greaseable Pin kit | 1 | Kt |
| Bellows Airbags (Optional) | 1 | Kt |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | OE Height | 2 | **FC41108** | $ Ea |
| | 50mm Lift | 2 | **FC41113** | |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | OE Height | 2 | **BM401108** | $ Ea |
| | 50mm Lift | 2 | **BM401113** | |

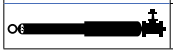
| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | 50mm Lift / 2" Lift | 2 | **FC41404** | $ Ea |
| | 75mm Lift / 3" Lift | 2 | **FC41404/3** | |
| | 100mm Lift / 4" Lift | 2 | **FC41404/4** | |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | 50mm Lift | 2 | **BM401404** | $ Ea |

| LEAF SPRINGS | | | | |
|---|---|---|---|---|
| | Up to Steel Bar | 1 | **FS37-LH** | $ Ea |
| | | 1 | **FS37-RH** | $ Ea |
| | Bar & Winch | 1 | **FS37H-LH** | $ Ea |
| | | 1 | **FS37H-RH** | $ Ea |

**Note:** 1 Left hand and 1 right hand side leaf spring pack should be ordered

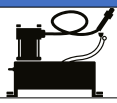
| LEAF SPRINGS | | | | |
|---|---|---|---|---|
| | 0-300kg load | 2 | **BPN-010** | $ Ea |
| | CONSTANT 300kg load | 2 | **BPN-010H** | $ Ea |
| | CONSTANT 500kg load | 1 | **FS39M-LH** | $ Ea |
| | | 1 | **FS39M-RH** | $ Ea |
| | CONSTANT GVM - Mine Spec | 1 | **FS38M-LH** | $ Ea |
| | | 1 | **FS38M-RH** | $ Ea |

**Note:** 1 Left hand and 1 right hand side leaf spring pack should be ordered

| STEERING DAMPERS - EYE/EYE MOUNTING | | | | |
|---|---|---|---|---|
| | Replacement damper | 1 | **EXT5005** | $ Ea |
| | Return to Center | 1 | **SS5005-P/S** | $ Ea |
| **STEERING DAMPERS - PIN/PIN MOUNTING** | | | | |
| | Replacement damper | 1 | **EXT5613** | $ Ea |
| | Return to Center | 1 | **SS5613-P/S** | $ Ea |
|  | 9 Stage Adjustable | 1 | **SV5613** | $ Ea |

| AIR ASSIST - BELLOWS | | | | |
|---|---|---|---|---|
| | Bellows Bag - 50mm lift | 1 | **TDAA-110** | $ Kt |

**Note:** Separate Air Assist components can be viewed on page 14.

| AIR ASSIST - BELLOWS WIRELESS AIR SYSTEM | | | | |
|---|---|---|---|---|
|  | Wireless Air System Suits Bellows Airbags | 1 | **TDAS-001** | $ Kt |

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

# NISSAN

**PATROL**
**GQ/GU CAB CHASSIS (LEAF/LEAF)**
**02/1988 - 1997**
**EST. LIFT FRONT: 50MM | REAR: 50MM**

## FRONT

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **OFFSET KING PINS** | | | | |
| | 0.5 Degree | 1 | **NAK-005** | $ Ea |
| | 0.75 Degree | 1 | **NAK-075** | $ Ea |
| | 1.0 Degree | 1 | **NAK-001** | $ Ea |

## REAR

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|

| FRONT INDIVIDUAL COMPONENTS | | | | |
|---|---|---|---|---|
| | Urethane Shackle bush kit | 1 | **TDUK-011** | $ Kt |
| | U-Bolt kit | 2 | **TDUB-011** | $ Kt |
| | Greaseable Shackle kit | 1 | **TDGS-357** | $ Kt |
| | Greaseable Pin kit | 1 | **TDGP-667** | $ Kt |

| REAR INDIVIDUAL COMPONENTS | | | | |
|---|---|---|---|---|
| | Urethane Shackle bush kit | 1 | **TDUK-012** | $ Kt |
| | U-Bolt kit | 2 | **TDUB-025** | $ Kt |
| | Greaseable Shackle kit | 1 | **TDGS-357** | $ Kt |
| | Greaseable Pin kit | 1 | **TDGP-667** | $ Kt |

| FRONT REPLACEMENT BUSHES (QTY PER SHOCK) | | | | |
|---|---|---|---|---|
| | Front top pin | 2 | **TW959** | $ Ea |
| | Front bottom eyering | 1 | **ADJ00191** | $ Ea |

| REAR REPLACEMENT BUSHES (QTY PER SHOCK) | | | | |
|---|---|---|---|---|
| | Rear bottom pin | 2 | **TW959** | $ Ea |
| | Rear top eyering | 1 | **ADJ00191** | $ Ea |

# NISSAN

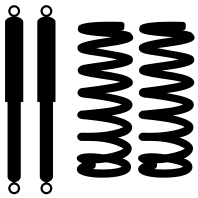
**PATROL**
**GQ/GU CAB CHASSIS (COIL/COIL)**
**1988-2016**
**EST. LIFT FRONT: 50MM | REAR: 50MM**

TOUGH DOG 4WD Suspension ... Making Tracks Across the World

## FRONT

### FRONT SUSPENSION CHECK LIST

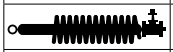
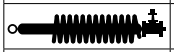
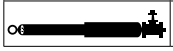
You need to order the following items for the front end of your vehicle.

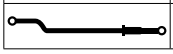


| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Coil Springs | 1 | Pr |
| Panhard Rod (Optional) | 1 | Ea |
| Castor Correction (Optional) | 1 | Kt |
| Steering Damper (Optional) | 1 | Ea |
| Offset King Pins (Optional) | 1 | Ea |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | Up to 50mm Lift | 2 | **FC41047** | $ Ea |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | Up to 50mm Lift | 2 | **BM401047** | $ Ea |
| **45MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | Only 50mm Lift | 2 | **BMX1047/2** | $ Ea |
| **RALPH - SHOCK ABSORBER** | | | | |
| | Up to 50mm Lift | 2 | **TDR1047B** | $ Ea |

| COIL SPRINGS | | | | |
|---|---|---|---|---|
| | Up to Steel Bar | 1 | **TDC734L** | $ Pr |
| | Bar & Winch | 1 | **TDC734HL** | $ Pr |

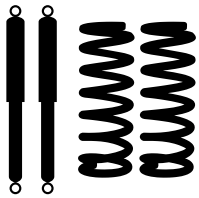
| STEERING DAMPERS - GQ PIN/PIN ONLY | | | | |
|---|---|---|---|---|
|  | Replacement damper | 1 | **EXT5613** | $ Ea |
|  | Return to Center | 1 | **SS5613-P/S** | $ Ea |
| | 9 Stage Adjustable | 1 | **SV5613** | $ Ea |
| **STEERING DAMPERS - GU PIN/PIN ONLY** | | | | |
| | Replacement damper | 1 | **EXT5000** | $ Ea |
|  | Return to Center | 1 | **SS5000-P/S** | $ Ea |
|  | 9 Stage Adjustable | 1 | **SV5000** | $ Ea |

| PANHARD RODS | | | | |
|---|---|---|---|---|
| | Adjustable RHD | 1 | **TDPR-004** | $ Ea |
|  | Adjustable LHD | 1 | **TDPR-014** | $ Ea |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Coil Springs | 1 | Pr |
| Panhard Rod (Optional) | 1 | Ea |
| Coil Insert Airbags (Optional) | 1 | Kt |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | Up to 50mm Lift | 2 | **FC41206** | $ Ea |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | Up to 50mm Lift | 2 | **BM401206** | $ Ea |
| **45MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | Only 50mm Lift | 2 | **BMX1206/2** | $ Ea |
| **RALPH - SHOCK ABSORBER** | | | | |
| | Up to 50mm Lift | 2 | **TDR1206** | $ Ea |

| COIL SPRINGS | | | | |
|---|---|---|---|---|
| | 0-300kg load | 1 | **TDC749HL** | $ Pr |
| | CONSTANT 300kg load | 1 | **TDC749VHL** | $ Pr |

| PANHARD RODS | | | | |
|---|---|---|---|---|
| | Adjustable | 1 | **TDPR-005** | $ 315 Ea |

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

# NISSAN

**PATROL**
**GQ/GU CAB CHASSIS (COIL/COIL)**
**1988-2016**
**EST. LIFT FRONT: 50MM | REAR: 50MM**

## FRONT

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **OFFSET KING PINS** | | | | |
| | 0.5 Degree | 1 | **NAK-005** | $ Ea |
| | 0.75 Degree | 1 | **NAK-075** | $ Ea |
| | 1.0 Degree | 1 | **NAK-001** | $ Ea |

## REAR

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **AIR ASSIST - COIL INSERT** | | | | |
| | Coil insert Airbags - 50mm Lift | 1 | **TDAA-008** | $ Kt |
| **Note:** Separate Air Assist components can be viewed on page 14. | | | | |
| **AIR ASSIST - COIL INSERT WIRELESS AIR SYSTEM** | | | | |
| | Wireless Air System Suits Coil Insert Airbags | 1 | **TDAS-002** | $ Kt |

| CASTOR CORRECTION | | | | |
|---|---|---|---|---|
| | 2 Degree | 1 | **TDUK-054/2** | $ Kt |

| FRONT INDIVIDUAL COMPONENTS | | | | |
|---|---|---|---|---|
| | Front Radius rod to Chassis | 1 | **TDUK-041** | $ Kt |
| | Front Radius rod to diff | 1 | **TDUK-050** | $ Kt |
| | Panhard rod bush kit (TDPR-004, 005, 014) | 1 | **TDUK-051** | $ Kt |
| | 15mm Urethane Coil Springs spacer | 1 | **TDUK-1734/15** | $ Ea |
| | 30mm Urethane Coil Springs spacer | 1 | **TDUK-1734/30** | $ Ea |

| REAR INDIVIDUAL COMPONENTS | | | | |
|---|---|---|---|---|
| | Panhard rod bush kit (TDPR-004, 005, 014) | 1 | **TDUK-051** | $ Kt |
| | Trailing arm bush kit | 2 | **TDUK-052** | $ Kt |
| | 15mm Urethane Spring spacer | 1 | **TDUK-1736/15** | $ Ea |
| | 30mm Urethane Spring spacer | 1 | **TDUK-1736/30** | $ Ea |

| FRONT REPLACEMENT BUSHES (QTY PER SHOCK) | | | | |
|---|---|---|---|---|
| | Fits top & bottom pin | 4 | **TW967** | $ Ea |

| REAR REPLACEMENT BUSHES (QTY PER SHOCK) | | | | |
|---|---|---|---|---|
| | Fits top eyering | 1 | **ADJ00191** | $ Ea |
| | Fits bottom eye | 1 | **415024** | $ Ea |

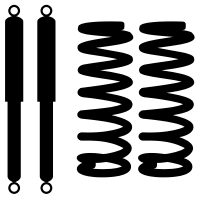
# NISSAN

**PATROL**
**GU CAB CHASSIS** **(COIL/LEAF)**
**1997 - 2016**
**EST. LIFT FRONT: 50MM | REAR: 50MM**

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.

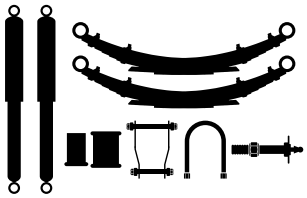


| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Coil Springs | 1 | Pr |
| Panhard Rod (Optional) | 1 | Ea |
| Castor Correction (Optional) | 1 | Kt |
| Steering Damper (Optional) | 1 | Ea |
| Offset King Pins (Optional) | 1 | Ea |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Leaf Spring | 2 | Ea |
| Urethane bush kit | 1 | Kt |
| U-Bolt kit | 2 | Kt |
| Greaseable Shackle kit | 1 | Kt |
| Greaseable Pin kit | 1 | Kt |
| Bellows Airbags (Optional) | 1 | Kt |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| | **FOAM CELL - SHOCK ABSORBER** | | | |
| | 50mm Lift / 2" Lift | 2 | **FC41047** | $ Ea |
| | 75mm Lift / 3" Lift | 2 | **FC41047/3** | |
| | 100mm Lift / 4" Lift | 2 | **FC41047/4** | |
| | **40MM ADJUSTABLE - SHOCK ABSORBER** | | | |
| | 50mm Lift / 2" Lift | 2 | **BM401047** | $ Ea |
| | 75mm Lift / 3" Lift | 2 | **BM401047/3** | |
| | **45MM ADJUSTABLE - SHOCK ABSORBER** | | | |
| | 50mm Lift / 2" Lift | 2 | **BMX1047/2** | $ Ea |
| | 75mm Lift / 3" Lift | 2 | **BMX1047/3** | |
| | 100mm Lift / 4" Lift | 2 | **BMX1047/4/5** | |
| | **RALPH - SHOCK ABSORBER** | | | |
| | Up to 50mm Lift | 2 | **TDR1047B** | $ Ea |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| | **FOAM CELL - SHOCK ABSORBER** | | | |
| | 50mm Lift / 2" Lift | 2 | **FC41404** | $ Ea |
| | 75mm Lift / 3" Lift | 2 | **FC41404/3** | |
| | 100mm Lift / 4" Lift | 2 | **FC41404/4** | |
| | **40MM ADJUSTABLE - SHOCK ABSORBER** | | | |
| | Up to 50mm Lift | 2 | **BM401404** | $ Ea |
| | **45MM ADJUSTABLE - SHOCK ABSORBER** | | | |
| | 50mm Lift / 2" Lift | 2 | **BMX1404/2** | $ Ea |
| | 75mm Lift / 3" Lift | 2 | **BMX1404/3** | |
| | 100mm Lift / 4" Lift | 2 | **BMX1404/4** | |
| | **RALPH - SHOCK ABSORBER** | | | |
| | Up to 50mm Lift | 2 | **TDR1404** | $ Ea |

### COIL SPRINGS

| | | | | |
|---|---|---|---|---|
| | Up to Steel Bar | 1 | **TDC734L** | $ Pr |
| | Bar & Winch | 1 | **TDC734HL** | $ Pr |

### LEAF SPRINGS

| | | | | |
|---|---|---|---|---|
| | 0-300kg load | 2 | **BPN-010** | $ Ea |
| | CONSTANT 300kg load | 2 | **BPN-010H** | $ Ea |
| | CONSTANT 500kg load | 1 | **FS39M-LH** | $ Ea |
| | | 1 | **FS39M-RH** | $ Ea |
| | CONSTANT GVM - Mine Spec | 1 | **FS38M-LH** | $ Ea |
| | | 1 | **FS38M-RH** | $ Ea |

**Note:** 1 Left hand and 1 right hand side leaf spring pack should be ordered

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

# NISSAN

**PATROL**
**GU CAB CHASSIS** **(COIL/LEAF)**
**1997 - 2016**
**EST. LIFT FRONT: 50MM | REAR: 50MM**

TOUGH DOG 4WD Suspension ... Making Tracks Across the World

## FRONT

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **STEERING DAMPERS - GQ PIN/PIN ONLY** | | | | |
| | Replacement damper | 1 | **EXT5613** | $ Ea |
| | return -to-Center | 1 | **SS5613-P/S** | $ Ea |
| | 9 Stage Adjustable | 1 | **SV5613** | $ Ea |
| **STEERING DAMPERS - GU PIN/PIN ONLY** | | | | |
| | Replacement damper | 1 | **EXT5000** | $ Ea |
| | return -to-Center | 1 | **SS5000-P/S** | $ Ea |
| | 9 Stage Adjustable | 1 | **SV5000** | $ Ea |

| PANHARD RODS | | | | |
|---|---|---|---|---|
| | Adjustable panhard rod - RHD | 1 | **TDPR-004** | $ Ea |
| | Adjustable panhard rod - LHD | 1 | **TDPR-014** | $ Ea |

| OFFSET KING PINS | | | | |
|---|---|---|---|---|
| | 0.5 Degree | 1 | **NAK-005** | $ Ea |
| | 0.75 Degree | 1 | **NAK-075** | $ Ea |
| | 1.0 Degree | 1 | **NAK-001** | $ Ea |

| CASTOR CORRECTION | | | | |
|---|---|---|---|---|
| | 2 Degree | 1 | **TDUK-054/2** | $ Kt |
| | 3 Degree | 1 | **TDUK-054/3** | $ Kt |

| FRONT INDIVIDUAL COMPONENTS | | | | |
|---|---|---|---|---|
| | Front Radius rod to Chassis | 1 | **TDUK-041** | $ Kt |
| | Front Radius rod to diff | 1 | **TDUK-050** | $ Kt |
| | Panhard rod bush kit (TDPR-004, 005, 014) | 1 | **TDUK-051** | $ Kt |
| | 15mm Urethane Coil Springs spacer | 1 | **TDUK-1734/15** | $ Ea |
| | 30mm Urethane Coil Springs spacer | 1 | **TDUK-1734/30** | $ Ea |

| FRONT REPLACEMENT BUSHES (QTY PER SHOCK) | | | | |
|---|---|---|---|---|
| | Fits top & bottom pin | 4 | **TW967** | $ Ea |

## REAR

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|

| AIR ASSIST - BELLOWS | | | | |
|---|---|---|---|---|
| | Bellows Bag - 50mm lift | 1 | **TDAA-111** | $ Kt |

**Note:** Separate Air Assist components can be viewed on page 14.

| AIR ASSIST - BELLOWS WIRELESS AIR SYSTEM | | | | |
|---|---|---|---|---|
| | Wireless Air System Suits Bellows Airbags | 1 | **TDAS-001** | $ Kt |

| REAR INDIVIDUAL COMPONENTS | | | | |
|---|---|---|---|---|
| | Urethane Shackle bush kit | 1 | **TDUK-012** | $ Kt |
| | U-Bolt kit | 2 | **TDUB-023** | $ Kt |
| | Greaseable Shackle kit | 1 | **TDGS-357** | $ Kt |
| | Greaseable Pin kit | 1 | **TDGP-667** | $ Kt |

| REAR REPLACEMENT BUSHES (QTY PER SHOCK) | | | | |
|---|---|---|---|---|
| | Fits top eyering | 1 | **ADJ00191** | $ Ea |
| | Fits bottom pin | 2 | **TW959** | $ Ea |

ALL PRICES EXCLUDE FREIGHT. INCLUDE ONLY PERMANENT ACCESSORIES & WEIGHTS WHEN SELECTING SPRINGS. TOWING WEIGHT IS NOT INCLUDED

# NISSAN

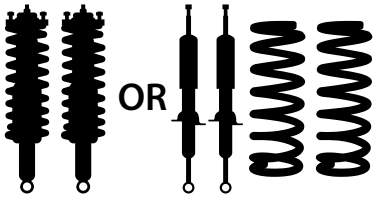
**PATROL**
**Y62 (NON HYDRAULIC ONLY)**
**2013 ON**
**EST. LIFT FRONT: 40MM | REAR: 40MM**

TOUGH DOG 4WD Suspension ... Making Tracks Across the World

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.



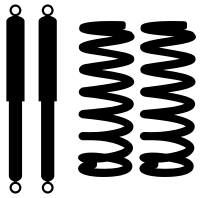

| | | |
|---|---|---|
| Assembled struts | 2 | Ea |
| OR | | |
| Struts | 2 | Ea |
| Coil Springs | 1 | Pr |
| Strut Top (Optional) | 2 | Ea |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **ASSEMBLED STRUTS - FOAM CELL** | | | | |
| Assembled struts are made up of: 1 x strut, 1 x coil 1 x strut top | | | | |
| | Up to Steel Bar - 40mm lift | 2 | **NIS-062/02** | $ Ea |
| | With Steel Bar & Winch - 40mm lift | 2 | **NIS-062/03** | $ Ea |
| **ASSEMBLED STRUTS - 40MM ADJUSTABLE** | | | | |
| Assembled struts are made up of: 1 x strut, 1 x coil 1 x strut top | | | | |
| | Up to Steel Bar - 40mm lift | 2 | **NIS-062/07** | $ Ea |
| | With Steel Bar & Winch - 40mm lift | 2 | **NIS-062/08** | $ Ea |
| **ASSEMBLED STRUTS - 45MM ADJUSTABLE** | | | | |
| Assembled struts are made up of: 1 x strut, 1 x coil 1 x strut top | | | | |
| | Up to Steel Bar - 40mm lift | 2 | **NIS-062/10** | $ Ea |
| | With Steel Bar & Winch - 40mm lift | 2 | **NIS-062/11** | $ Ea |
| **STRUT - FOAM CELL** | | | | |
| | Up to 40mm Lift - Strut Only/ No Coil/ No Strut top | 2 | **FC404750** | $ Ea |
| **STRUT - 40MM ADJUSTABLE** | | | | |
| | Up to 40mm Lift - Strut Only/ No Coil/ No Strut top | 2 | **BM404750** | $ Ea |
| **STRUT - 45MM ADJUSTABLE** | | | | |
| | Up to 40mm Lift - Strut Only/ No Coil/ No Strut top | 2 | **BMX454750** | $ Ea |
| BMX454750 (45mm Adjustable Strut) must only be used with either TDC791L or TDC791HL coil springs | | | | |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Coil Springs | 1 | Pr |
| Coil Insert Airbags (Optional) | 1 | Kt |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | Up to 40mm Lift | 2 | **FC41220** | $ Ea |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | Up to 40mm Lift | 2 | **BM401220** | $ Ea |
| **45MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | Up to 40mm Lift | 2 | **BMX1220/2** | $ Ea |

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

# NISSAN

**PATROL**
**Y62 (NON HYDRAULIC ONLY)**
**2013 ON**
**EST. LIFT FRONT: 40MM | REAR: 40MM**

## FRONT

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **COIL SPRINGS** | | | | |
| | Up to Steel Bar - 40mm lift | 1 | **TDC790L** | $ Pr |
| | With Bar & Winch - 40mm lift | 1 | **TDC790HL** | $ Pr |
| | Up to Steel Bar - 40mm lift / BMX only | 1 | **TDC791L** | $ Pr |
| | With Bar & Winch - 40mm lift / BMX only | 1 | **TDC791HL** | $ Pr |

## REAR

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **COIL SPRINGS** | | | | |
| | 0-120kg load | 1 | **TDC795** | $ Pr |
| | CONSTANT 120kg - 300kg load | 1 | **TDC795L** | $ Pr |
| | CONSTANT 300kg load | 1 | **TDC795HL** | $ Pr |

## AIR ASSIST - COIL INSERT

| | | | | |
|---|---|---|---|---|
| | Coil Insert bag - OEM Height | 1 | **TDAA-022** | $ Kt |
| | Coil Insert bag - 40mm lift | 1 | **TDAA-023** | $ Kt |

**Note:** Separate Air Assist components can be viewed on page 14.

## AIR ASSIST - COIL INSERT WIRELESS AIR SYSTEM

| | | | | |
|---|---|---|---|---|
| | Wireless Air System Suits Coil Insert Airbags | 1 | **TDAS-002** | $ Kt |

## FRONT INDIVIDUAL COMPONENTS

| | | | | |
|---|---|---|---|---|
| | Strut Top | 2 | **NIS-062** | $ Ea |

## FRONT REPLACEMENT BUSHES (QTY PER SHOCK)

| | | | | |
|---|---|---|---|---|
| | Front bottom eyering | 1 | **4WAY-002** | $ Ea |

## REAR REPLACEMENT BUSHES (QTY PER SHOCK)

| | | | | |
|---|---|---|---|---|
| | Fits top pin-upper | 1 | **RETAINER-W** | $ Ea |
| | Fits top pin-lower | 1 | **RETAINER-X** | $ Ea |
| | Fits bottom eyering | 1 | **ADJ27805** | $ Ea |

ALL PRICES EXCLUDE FREIGHT. INCLUDE ONLY PERMANENT ACCESSORIES & WEIGHTS WHEN SELECTING SPRINGS. TOWING WEIGHT IS NOT INCLUDED

# NISSAN

**TERRANO II**
**R20**
**09/1997-2000**
**EST. LIFT FRONT: 30MM | REAR: 30MM**

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.

| | | | |
|---|---|---|---|
| Shock Absorber | 2 | Ea |
| Torsion Bar | 1 | Pr |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **NITROGEN GAS - SHOCK ABSORBER** | | | | |
| | Up to 30mm Lift | 2 | **BD2057T** | $ Ea |
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | Up to 30mm Lift | 2 | **FC42057B** | $ Ea |

| | | | | |
|---|---|---|---|---|
| **TORSION BARS** | | | | |
| | 26mm/1232mm | 1 | **4WTB-1458** | $ Pr |
| Adjust torsion bars after fitting shocks<br>- Ensure a minimum of 60mm droop is maintained. | | | | |

| | | | | |
|---|---|---|---|---|
| **FRONT REPLACEMENT BUSHES (QTY PER SHOCK)** | | | | |
| | Front top pin | 2 | **TW959** | $ Ea |
| | Fits bottom eyering | 1 | **412772** | $ Ea |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.

| | | | |
|---|---|---|---|
| Shock Absorber | 2 | Ea |
| Coil Springs | 1 | Pr |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **NITROGEN GAS - SHOCK ABSORBER** | | | | |
| | Up to 30mm Lift | 2 | **BD1388T** | $ Ea |
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | Up to 30mm Lift | 2 | **FC41388** | $ Ea |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | Up to 30mm Lift | 2 | **BM401388** | $ Ea |

| | | | | |
|---|---|---|---|---|
| **COIL SPRINGS** | | | | |
| | 0-300kg load | 1 | **TDC739** | $ Pr |
| | CONSTANT 300kg load | 1 | **TDC739H** | $ Pr |

| | | | | |
|---|---|---|---|---|
| **REAR REPLACEMENT BUSHES (QTY PER SHOCK)** | | | | |
| | Fits top & bottom eyering | 2 | **404702** | $ Ea |

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

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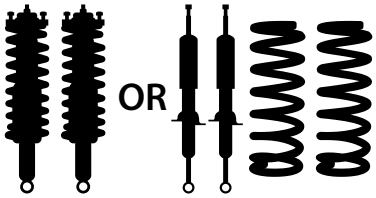
# RAM
## 1500
## DS SERIES
## 2013 ON
**EST. LIFT FRONT: 50MM | REAR: 50MM**

TOUGH DOG 4WD Suspension ... Making Tracks Across the World

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.

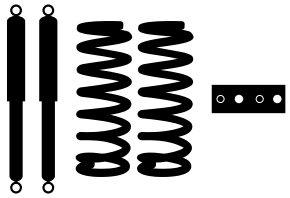



| | | |
|---|---|---|
| Assembled struts | 2 | Ea |
| OR | | |
| Struts | 2 | Ea |
| Coil Springs | 1 | Pr |
| Strut Top (Optional) | 2 | Ea |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.



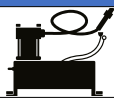
| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Coil Springs | 1 | Pr |
| Sway bar bracket | 1 | Ea |
| Panhard Rod (Optional) | 1 | Ea |
| Coil Insert Airbags (Optional) | 1 | Kt |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **ASSEMBLED STRUTS - FOAM CELL** | | | | |
| Assembled struts are made up of: 1 x strut, 1 x coil 1 x strut top | | | | |
| | No Accessories - 50mm lift | 1 | DOD-003-LH | $ Ea |
| | | 1 | DOD-003-RH | |
| | Bar / Bar & Winch - 50mm lift | 1 | DOD-004-LH | $ Ea |
| | | 1 | DOD-004-RH | |
| **ASSEMBLED STRUTS - 40MM ADJUSTABLE** | | | | |
| Assembled struts are made up of: 1 x strut, 1 x coil 1 x strut top | | | | |
| | No Accessories - 50mm lift | 1 | DOD-001-LH | $ Ea |
| | | 1 | DOD-001-RH | |
| | Bar / Bar & Winch - 50mm lift | 1 | DOD-002-LH | $ Ea |
| | | 1 | DOD-002-RH | |
| **STRUT - FOAM CELL** | | | | |
| | Up to 50mm Lift - Strut Only/ No Coil/ No Strut top | 2 | FC404927 | $ Ea |
| **STRUT - 40MM ADJUSTABLE** | | | | |
| | Up to 50mm Lift - Strut Only/ No Coil/ No Strut top | 2 | BM404927 | $ Ea |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | Up to 50mm Lift | 2 | FC43033 | $ Ea |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | Up to 50mm Lift | 2 | BM403033 | $ Ea |

| | | | | |
|---|---|---|---|---|
| **PANHARD RODS** | | | | |
| | Adjustable | 1 | TDPR-026 | $ Ea |

| | | | | |
|---|---|---|---|---|
| **COIL SPRINGS** | | | | |
| | No Accessories - 50mm lift | 1 | TDC1024 | $ Pr |
| | Bar & Bar & Winch - 50mm lift | 1 | TDC1025 | $ Pr |
| The RAM WARLOCK comes standard with a 25mm (1") lift. Fitting a Tough Dog Suspension lift kit to this vehicle will give an estimated 25mm (1") additional lift, not the advertised 50mm | | | | |

| | | | | |
|---|---|---|---|---|
| **COIL SPRINGS** | | | | |
| | 0-300kg load | 1 | TDC1026 | $ Pr |
| | CONSTANT 300kg load | 1 | TDC1027 | $ Pr |
| | CONSTANT 500kg load | 1 | TDC1028 | $ Pr |
| **AIR ASSIST - COIL INSERT** | | | | |
| | Coil Insert bag - OEM Height | 1 | TDAA-024 | $ Kt |
| | Coil Insert bag - 50mm lift | 1 | TDAA-025 | $ Kt |
| **Note:** Separate Air Assist components can be viewed on page 14. | | | | |
| **AIR ASSIST - COIL INSERT WIRELESS AIR SYSTEM** | | | | |
|  | Wireless Air System Suits Coil Insert Airbags | 1 | TDAS-002 | $ Kt |

| | | | | |
|---|---|---|---|---|
| **FRONT INDIVDUAL COMPONENTS** | | | | |
| | Strut Top | 2 | DOD-4927 | $ Ea |

| | | | | |
|---|---|---|---|---|
| **REAR INDIVDUAL COMPONENTS** | | | | |
| | Swaybar relocation bracked - Must be fitted | 1 | TDSP-021 | $ Ea |

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

# GVM UPGRADE

## RAM 1500 - DS

'QUAD CAB' (EXPRESS) - 2017 ON
'CREW CAB' (EXPRESS, WARLOCK, LARAMIE) - 2017 ON

FROM **3450KG*** TO **3889KG***

## WHAT YOU GET:

- EXTRA PAYLOAD UP TO **439KG**
- UPGRADED SUSPENSION
- IMPROVED HANDLING & LOAD CARRYING

| VEHICLE SPECIFICATIONS | | |
|---|---|---|
| DESCRIPTION | ORIGINAL EQUIPMENT | TOUGH DOG |
| FRONT AXLE RATING | 1769KG | **1769KG** |
| REAR AXLE RATING | 1769KG | **2120KG** |
| GROSS VEHICLE MASS (GVM) | 3450KG | **3889KG** |
| TOWING CAPACITY (BRAKED) | 4500KG | **4500KG** |
| GROSS COMBINED MASS (GCM) | 7237KG | **7237KG** |
| • Payload increase is based on model variant. | | |

| TOUGH DOG GVM UPGRADES CAN ONLY BE ORDERED THROUGH A TOUGH DOG APPROVED GVM DEALER | | | |
|---|---|---|---|
| 'QUAD CAB' (EXPRESS) - 2017 ON | | | |
| 'CREW CAB' (EXPRESS, WARLOCK, LARAMIE) - 2017 ON | | | |
| DESCRIPTION | GVM UPGRADE | PART NO | RRP |
| FRONT: NO ACCESSORIES \| REAR: 200KG MIN. LOAD | 3889KG | TDGVM-054 | |

## LOGIN INTO THE DEALER PORTAL TO START YOUR GVM ORDER!

**WWW.TOUGHDOG.COM.AU/DEALER/PORTALHOME**

FITTING SHEET (LOCATED PAGE 257) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

# RAM

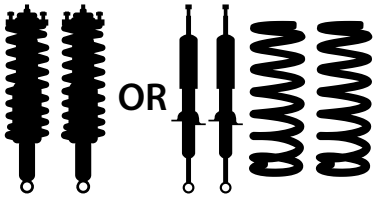
**1500**
**DT SERIES - NON AIR SUSPENSION**
**2019 ON**
**EST. LIFT FRONT: 50MM | REAR: 50MM**

TOUGH DOG 4WD Suspension ... Making Tracks Across the World

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.

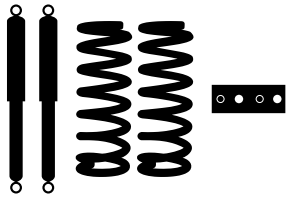



| | | |
|---|---|---|
| Assembled struts | 2 | Ea |
| OR | | |
| Struts | 2 | Ea |
| Coil Springs | 1 | Pr |
| Strut Top (Optional) | 2 | Ea |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Coil Springs | 1 | Pr |
| Sway bar bracket | 1 | Ea |
| Panhard Rod (Optional) | 1 | Ea |
| Coil Insert Airbags (Optional) | 1 | Kt |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **ASSEMBLED STRUTS - FOAM CELL** | | | | |
| Assembled struts are made up of: 1 x strut, 1 x coil 1 x strut top | | | | |
| | No Accessories - 50mm lift | 1 | **DOD-007** | $ Ea |
| | With Bar & Winch - 50mm lift | 1 | **DOD-008** | $ Ea |
| **ASSEMBLED STRUTS - 40MM ADJUSTABLE** | | | | |
| Assembled struts are made up of: 1 x strut, 1 x coil 1 x strut top | | | | |
| | No Accessories - 50mm lift | 1 | **DOD-005** | $ Ea |
| | With Bar & Winch - 50mm lift | 1 | **DOD-006** | $ Ea |
| **STRUT - FOAM CELL** | | | | |
| | Up to 50mm Lift - Strut Only/ No Coil/ No Strut top | 2 | **FC404933** | $ Ea |
| **STRUT - 40MM ADJUSTABLE** | | | | |
| | Up to 50mm Lift - Strut Only/ No Coil/ No Strut top | 2 | **BM404933** | $ Ea |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | Up to 50mm Lift | 2 | **FC43042** | $ Ea |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | Up to 50mm Lift | 2 | **BM403042** | $ Ea |

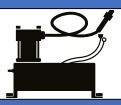
| PANHARD RODS | | | | |
|---|---|---|---|---|
| | Adjustable | 1 | **TDPR-026** | $ Ea |

| COIL SPRINGS | | | | |
|---|---|---|---|---|
| | No Accessories - 50mm lift | 1 | **TDC1050** | $ Pr |
| | With Bar & Winch - 50mm lift | 1 | **TDC1051** | $ Pr |

| COIL SPRINGS | | | | |
|---|---|---|---|---|
| | 0-300kg load | 1 | **TDC1052** | $ Pr |
| | CONSTANT 300kg load | 1 | **TDC1053** | $ Pr |
| | CONSTANT 500kg load | 1 | **TDC1054** | $ Pr |

| AIR ASSIST - COIL INSERT | | | | |
|---|---|---|---|---|
| | Coil Insert bag - OEM Height | 1 | **TDAA-027** | $ Kt |
| | Coil Insert bag - 50mm lift | 1 | **TDAA-028** | $ Kt |

**Note:** Separate Air Assist components can be viewed on page 14.

| AIR ASSIST - COIL INSERT WIRELESS AIR SYSTEM | | | | |
|---|---|---|---|---|
|  | Wireless Air System Suits Coil Insert Airbags | 1 | **TDAS-002** | $ Kt |

| FRONT INDIVDUAL COMPONENTS | | | | |
|---|---|---|---|---|
| | Strut Top | 2 | **DOD-4933** | $ Ea |

| REAR INDIVDUAL COMPONENTS | | | | |
|---|---|---|---|---|
| | Swaybar relocation bracket - Must be fitted | 1 | **TDSP-026** | $ Ea |

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

# GVM UPGRADE

## RAM 1500 - DT

**DT SERIES - NON AIR SUSPENSION - 2019 ON**

FROM **3450KG*** TO **4000KG***

## WHAT YOU GET:

- EXTRA PAYLOAD UP TO **550KG**
- UPGRADED SUSPENSION
- IMPROVED HANDLING & LOAD CARRYING

**VEHICLE SPECIFICATIONS**

| DESCRIPTION | ORIGINAL EQUIPMENT | TOUGH DOG |
|---|---|---|
| FRONT AXLE RATING | 1769KG | **1769KG** |
| REAR AXLE RATING | 1860KG | **2231KG** |
| GROSS VEHICLE MASS (GVM) | 3450KG | **4000KG** |
| TOWING CAPACITY (BRAKED) | 4500KG | **4500KG** |
| GROSS COMBINED MASS (GCM) | 7713KG | **7713KG** |

• Payload increase is based on model variant.

**TOUGH DOG GVM UPGRADES CAN ONLY BE ORDERED THROUGH A TOUGH DOG APPROVED GVM DEALER**

**DT SERIES - NON AIR SUSPENSION - 2019 ON**

| DESCRIPTION | GVM UPGRADE | PART NO | RRP |
|---|---|---|---|
| FRONT: NO ACCESSORIES \| REAR: 300KG MIN. LOAD | 4000KG | TDGVM-074 | |

## LOGIN INTO THE DEALER PORTAL TO START YOUR GVM ORDER!

**WWW.TOUGHDOG.COM.AU/DEALER/PORTALHOME**

ALL PRICES EXCLUDE FREIGHT. INCLUDE ONLY PERMANENT ACCESSORIES & WEIGHTS WHEN SELECTING SPRINGS. TOWING WEIGHT IS NOT INCLUDED

# RAM
## 2500 SERIES

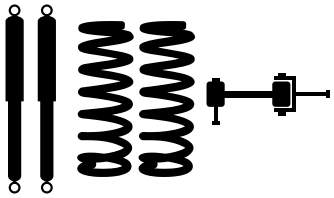
**2014 - 2019**
**EST. LIFT FRONT: 40MM | REAR: 40MM**

TOUGH DOG 4WD Suspension ... Making Tracks Across the World

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.

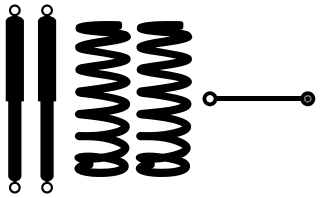


| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Coil Springs | 1 | Pr |
| Swaybar Link | 1 | Ea |
| Steering Dampers (Optional) | 1 | Ea |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Coil Springs | 1 | Pr |
| Swaybar Link | 1 | Ea |
| Bellows Airbags (Optional) | 1 | Kt |

**Note:** The development of this kit was completed on a ASV converted vehicle.
Part number BMX3506 must be used to limit suspension droop due to sterring pitman arm contacting sway bar link.
Do not use Part number BMX3509 if steering box/pitman arm is mounted on the R/H Side chassis rail.

### 45MM ADJUSTABLE - SHOCK ABSORBER

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| | Up to 40mm Lift | 2 | **BMX3506** | $ Ea |

Front lower shock mount is only partially welded from factory. It is required that a full weld around the entire mount is completed to avoid failure.

### 45MM ADJUSTABLE - SHOCK ABSORBER

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| | Up to 40mm Lift | 2 | **BMX3504** | $ Ea |

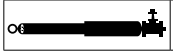
### COIL SPRINGS

| | | | | |
|---|---|---|---|---|
| | 40mm lift | 1 | **TDC1032** | $ Pr |

### COIL SPRINGS

| | | | | |
|---|---|---|---|---|
| | 0-400kg load | 1 | **TDC1033** | $ Pr |
| | CONSTANT 400kg load | 1 | **TDC1034** | $ Pr |

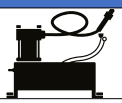
### STEERING DAMPERS

| | | | | |
|---|---|---|---|---|
| | Return to Center damper | 1 | **SS5930-P/S** | $ Ea |
|  | 9 Stage adjustable damper | 1 | **SV5930** | $ Ea |

### AIR ASSIST - BELLOWS

| | | | | |
|---|---|---|---|---|
| | Bellows airbag kit - OEM Height | 1 | **TDAA-127** | $ Kt |
| | Bellows airbag kit - 50mm Lift | 1 | **TDAA-128** | $ Kt |

### AIR ASSIST - BELLOWS WIRELESS AIR SYSTEM

| | | | | |
|---|---|---|---|---|
|  | Wireless Air System Suits Bellows Airbags | 1 | **TDAS-001** | $ Kt |

### FRONT INDIVIDUAL COMPONENTS

| | | | | |
|---|---|---|---|---|
| | Swaybar Links | 1 | **TDSP-024** | $ Ea |

Required for all lifted vehicles.

### REAR INDIVIDUAL COMPONENTS

| | | | | |
|---|---|---|---|---|
| | Swaybar Links | 1 | **TDSP-022** | $ Ea |

Required for all lifted vehicles.

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

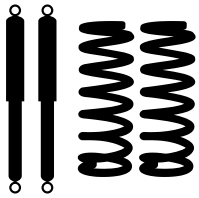
# RAM
## 2500 SERIES
## DJ II
## 2020 ON
**EST. LIFT FRONT: 40MM | REAR: 40MM**

TOUGH DOG 4WD Suspension ... Making Tracks Across the World

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.

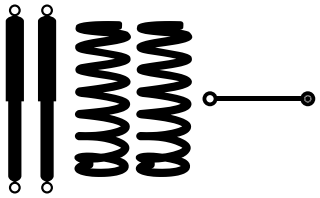


| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Coil Springs | 1 | Pr |
| Steering Dampers (Optional) | 1 | Ea |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Coil Springs | 1 | Pr |
| Swaybar Link | 1 | Ea |
| Bellows Airbags (Optional) | 1 | Kt |

**Note:** The development of this kit was completed on a ASV converted vehicle.
Part number BMX3509 must be used if steering box is mounted on the LH chassis rail only.

### 45MM ADJUSTABLE - SHOCK ABSORBER

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| | Up to 40mm Lift | 2 | **BMX3509** | $ Ea |

Front lower shock mount is only partially welded from factory. It is required that a full weld around the entire mount is completed to avoid failure.

### 45MM ADJUSTABLE - SHOCK ABSORBER

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| | Up to 40mm Lift | 2 | **BMX3510** | $ Ea |

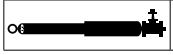
### COIL SPRINGS

| | | | | |
|---|---|---|---|---|
| | 40mm lift | 1 | **TDC1032** | $ Pr |

### COIL SPRINGS

| | | | | |
|---|---|---|---|---|
| | 0-400kg load | 1 | **TDC1033** | $ Pr |
| | CONSTANT 400kg load | 1 | **TDC1034** | $ Pr |

### STEERING DAMPERS

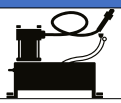
| | | | | |
|---|---|---|---|---|
| | Return to Center damper | 1 | **SS5930-P/S** | $ Ea |
|  | 9 Stage adjustable damper | 1 | **SV5930** | $ Ea |

### AIR ASSIST - BELLOWS

| | | | | |
|---|---|---|---|---|
| | Bellows airbag kit - OEM Height | 1 | **TDAA-127** | $ Kt |
| | Bellows airbag kit - 50mm Lift | 1 | **TDAA-128** | $ Kt |

**Note:** Separate Air Assist components can be viewed on page 14.

### AIR ASSIST - BELLOWS WIRELESS AIR SYSTEM

| | | | | |
|---|---|---|---|---|
|  | Wireless Air System Suits Bellows Airbags | 1 | **TDAS-001** | $ Kt |

### REAR INDIVIDUAL COMPONENTS

| | | | | |
|---|---|---|---|---|
| | Swaybar Links | 1 | **TDSP-029** | $ Ea |

Required for all lifted vehicles.

ALL PRICES EXCLUDE FREIGHT. INCLUDE ONLY PERMANENT ACCESSORIES & WEIGHTS WHEN SELECTING SPRINGS. TOWING WEIGHT IS NOT INCLUDED

# SSANGYONG

## MUSSO (INC SPORT UTE)

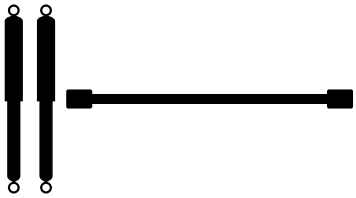
**08/1996-2007**

**EST. LIFT FRONT: 35MM | REAR: 35MM**

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Torsion Bar | 1 | Pr |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **NITROGEN GAS - SHOCK ABSORBER** | | | | |
| | Up to 35mm Lift | 2 | **BD2057T** | $ Ea |

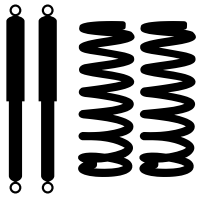
| | | | |
|---|---|---|---|
| **TORSION BARS** | | | |
|  | 26mm / 1232mm | 1 | **4WTB-1800** | $ Pr |
| Adjust torsion bars after fitting shocks<br>- Ensure a minimum of 60mm droop is maintained. | | | | |

| | | | |
|---|---|---|---|
| **FRONT REPLACEMENT BUSHES (QTY PER SHOCK)** | | | |
| | Fits top pin | 2 | **TW959** | $ Ea |
| | Fits bottom eyering | 1 | **412772** | $ Ea |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Coil Springs | 1 | Pr |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **NITROGEN GAS - SHOCK ABSORBER** | | | | |
| | OE Height | 2 | **BD1104T** | $ Ea |
| | Up to 35mm Lift | 2 | **BD1105T** | |
| | **40MM ADJUSTABLE - SHOCK ABSORBER** | | | |
| | OE Height | 2 | **BM401104** | $ Ea |
| | Up to 35mm Lift | 2 | **BM401105** | |

| | | | | |
|---|---|---|---|---|
| **COIL SPRINGS** | | | | |
| | 0-300kg load | 1 | **TDC100** | $ Pr |
| | CONSTANT 300kg load | 1 | **TDC100H** | $ Pr |

| | | | | |
|---|---|---|---|---|
| **REAR REPLACEMENT BUSHES (QTY PER SHOCK)** | | | | |
| | Fits top pin | 2 | **TW959** | $ Ea |
| | Fits bottom eyering | 1 | **404702** | $ Ea |

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# SUZUKI

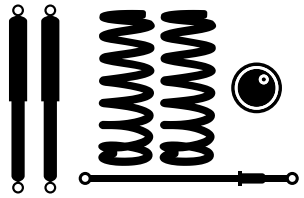
**JIMNY**
**SN413 (JB33, 43, 48)**
**10/1998-2018**
**EST. LIFT FRONT: 40MM | REAR: 40MM | OPTIONAL FOR 40,60,80MM LIFT**

TOUGH DOG 4WD Suspension ... Making Tracks Across the World

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.

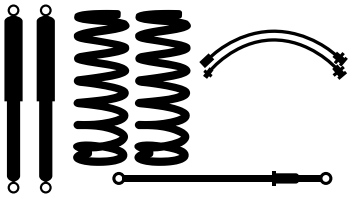


| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Coil Springs | 1 | Pr |
| Caster Correction | 1 | Kt |
| Panhard Rod | 1 | Ea |
| Steering Damper (Optional) | 1 | Ea |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Coil Springs | 1 | Pr |
| Panhard Rod | 1 | Ea |
| Brake Hose Kit | 1 | Ea |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | Up to 40mm Lift | 2 | **FC31000** | $ Ea |
| | 60 & 80mm Lift | 2 | **FC31001** | $ Ea |
| **COIL SPRINGS - 10/1998-2005 1.3L** | | | | |
| | 40mm Lift | 1 | **TDC836** | $ Pr |
| | 60mm Lift | 1 | **TDC838L** | $ Pr |
| | Up to Steel Bar - 80mm lift | 1 | **TDC824** | $ Pr |
| | With Steel Bar & Winch - 80mm lift | 1 | **TDC824H** | $ Pr |
| **COIL SPRINGS - 2005 ON VVT 1.3L** | | | | |
| | 40mm Lift | 1 | **TDC838L** | $ Pr |
| | 60mm Lift | 1 | **TDC824** | $ Pr |
| | 80mm Lift | 1 | **TDC824H** | $ Pr |
| **CASTER CORRECTION** | | | | |
| | 3 Degree - for 60 & 80mm lifts | 1 | **TDUK-063** | $ Kt |
| **PANHARD RODS** | | | | |
| | RHD Adjustable - for 60 & 80mm lifts | 1 | **TDPR-009** | $ Ea |
|  | LHD Adjustable - for 60 & 80mm lifts | 1 | **TDPR-011** | $ Ea |
| **STEERING DAMPERS** | | | | |
|  | Replacement damper | 1 | **SD5610** | $ Ea |
| | Return to Center | 1 | **SS5610-M/S** | $ Ea |
| | 9 Stage Adjustable | 1 | **SV5610** | $ Ea |

**Note:** Includes mounting brackets.

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | Up to 40mm Lift | 2 | **FC31004** | $ Ea |
| | 60 & 80mm Lift | 2 | **FC31006** | $ Ea |
| **COIL SPRINGS** | | | | |
| | 40mm Lift | 1 | **TDC837** | $ Pr |
| | 60mm Lift | 1 | **TDC839L** | $ Pr |
| | 80mm lift | 1 | **TDC825** | $ Pr |
| | 80mm Lift - Overseas model | 1 | **TDC826** | $ Pr |
| **PANHARD RODS** | | | | |
| | Adjustable-for 60 & 80mm lifts | 1 | **TDPR-010** | $ Ea |
| **BRAKE HOSE KITS** | | | | |
| | Rubber - 60 & 80mm lift / front + rear hose | 1 | **TDBH-199** | $ Ea |

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

# SUZUKI

**JIMNY**
**SN413 (JB33, 43, 48)**
**10/1998-2018**
**EST. LIFT FRONT: 40MM | REAR: 40MM | OPTIONAL FOR 40,60,80MM LIFT**

## FRONT

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FRONT INDIVIDUAL COMPONENTS** | | | | |
| | Radius rod bushes | 1 | **TDUK-039** | $ Kt |
| | Panhard rod bush kit -TDPR-009, 010, 011 | 1 | **TDUK-030** | $ Kt |
| | ABS relocation | 1 | **TDSK-022** | $ Ea |
| **Note:** Must be fitted to all Kits. | | | | |

## REAR

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **REAR INDIVIDUAL COMPONENTS** | | | | |
| | Trailing arm bushes | 1 | **TDUK-039** | $ Kt |
| | Panhard rod bush kit -TDPR-009, 010, 011 | 1 | **TDUK-030** | $ Kt |

| FRONT REPLACEMENT BUSHES (QTY PER SHOCK) | | | | |
|---|---|---|---|---|
| | Fits top pin | 2 | **402267** | $ Ea |
| | Fits bottom eyering | 1 | **412773** | $ Ea |

| REAR REPLACEMENT BUSHES (QTY PER SHOCK) | | | | |
|---|---|---|---|---|
| | Fits top eyering | 1 | **412773** | $ Ea |

# SUZUKI

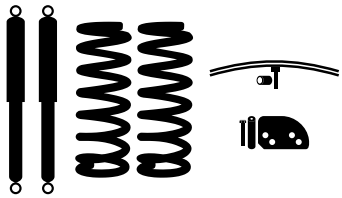
**JIMNY**
**JB74**
**2019 ON**
**EST. LIFT FRONT: 40MM | REAR: 40MM**

TOUGH DOG 4WD Suspension ... Making Tracks Across the World

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.

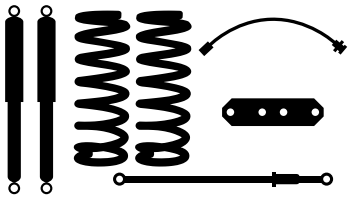


| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Coil Springs | 1 | Pr |
| ABS relocation & Vacuum hose | 1 | Ea |
| Crossmember drop kit | 1 | Ea |
| Steering Damper (Optional) | 1 | Ea |
| Castor Correction (Optional) | 1 | Ea |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Coil Springs | 1 | Pr |
| Brake Hose | 1 | Ea |
| Headlight module bracket | 1 | Ea |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | Up to 40mm Lift | 2 | **FC31000** | $ Ea |

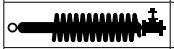
| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | Up to 40mm Lift | 2 | **FC31002** | $ Ea |

| COIL SPRINGS | | | | |
|---|---|---|---|---|
| | 40mm Lift | 1 | **TDC1000** | $ Pr |
| Fit TDUK-084 if vehicle has a bar & Winch-all heights. | | | | |

| COIL SPRINGS | | | | |
|---|---|---|---|---|
| | 40mm Lift | 1 | **TDC1003** | $ Pr |

| CASTER CORRECTION | | | | |
|---|---|---|---|---|
| | 3 Degree | 1 | **TDUK-063** | $ Kt |

| BRAKE HOSE KITS | | | | |
|---|---|---|---|---|
| | 1x Rubber Hose L/H Rear - 40mm lift | 1 | **TDBH-403** | $ Ea |
| **Note:** Must be fitted to all Kits. | | | | |

| STEERING DAMPERS | | | | |
|---|---|---|---|---|
| | Replacement Damper | 1 | **EXT5928** | $ Ea |
|  | Return-to-Center | 1 | **SS5928-P/S** | $ Ea |
| | 9 Stage Adjustable | 1 | **SV5928** | $ Ea |
| **Note:** Includes mounting brackets. | | | | |

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

# SUZUKI

**JIMNY**
**JB74**
**2019 ON**
**EST. LIFT FRONT: 40MM | REAR: 40MM**

## FRONT

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FRONT INDIVIDUAL COMPONENTS** | | | | |
| | Radius rod bushes - no adjustament | 1 | **TDUK-039** | $ Kt |
| | Coil spacer - Fit with Bar & winch | 1 | **TDUK-084** | $ Kt |
| | ABS relocation & Vacuum hose | 1 | **TDSP-016** | $ Ea |
| **Note:** Must be fitted to all Kits. | | | | |
| | Crossmember drop kit | 1 | **TDSP-018** | $ Ea |
| **Note:** Must be fitted to all Kits. | | | | |

## REAR

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **REAR INDIVIDUAL COMPONENTS** | | | | |
| | Radius rod bushes - no adjustament | 1 | **TDUK-039** | $ Kt |
| | Headlight module bracket | 1 | **TDSP-017** | $ Ea |
| **Note:** Must be fitted to all Kits. | | | | |

## FRONT REPLACEMENT BUSHES (QTY PER SHOCK)

| | | | | |
|---|---|---|---|---|
| | Fits top pin | 2 | **402267** | $ Ea |
| | Fits bottom eyering | 1 | **412773** | $ Ea |

## REAR REPLACEMENT BUSHES (QTY PER SHOCK)

| | | | | |
|---|---|---|---|---|
| | Fits top & bottom eyering | 1 | **412773** | $ Ea |

**FOR GVM UPGRADES, SEE PAGE 194**

# SUZUKI JB74 JIMNY

# COMING SOON

Whether it's road, track, or trail, Jimny has a reputation for being battle-tough in any terrain. Lightweight but incredibly capable, comfortable yet resilient, and more versatile than a Swiss Army knife, take more on your next adventure with a Tough Dog GVM Upgrade!

## WHAT YOU GET:

- ***COMING SOON***

**VEHICLE SPECIFICATIONS**

| DESCRIPTION | ORIGINAL EQUIPMENT | TOUGH DOG |
|---|---|---|
| COMING SOON | | |

## LOGIN INTO THE DEALER PORTAL TO START YOUR GVM ORDER!

**WWW.TOUGHDOG.COM.AU/DEALER/PORTALHOME**

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# SUZUKI

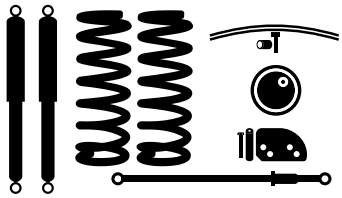
**JIMNY**
**JB74**
**2019 ON**
**EST. LIFT FRONT: 60MM - 80MM | REAR: 60MM - 80MM**

TOUGH DOG 4WD Suspension ... Making Tracks Across the World

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.

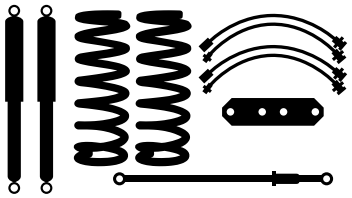


| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Coil Springs | 1 | Pr |
| Caster Correction | 1 | Kt |
| Panhard Rod | 1 | Ea |
| ABS relocation & Vacuum hose | 1 | Ea |
| Crossmember drop kit | 1 | Ea |
| Steering Damper (Optional) | 1 | Ea |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Coil Springs | 1 | Pr |
| Panhard Rod | 1 | Ea |
| Brake Hose Kit | 1 | Ea |
| Headlight module bracket | 1 | Ea |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | 60 & 80mm Lift | 2 | **FC31001** | $ Ea |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | 60 & 80mm Lift | 2 | **FC31003** | $ Ea |

| COIL SPRINGS | | | | |
|---|---|---|---|---|
| | 60mm Lift | 1 | **TDC1001** | $ Pr |
| | 80mm Lift | 1 | **TDC1002** | $ Pr |
| Fit TDUK-084 if vehicle has a Bar & Winch - all heights. | | | | |

| COIL SPRINGS | | | | |
|---|---|---|---|---|
| | 60mm Lift | 1 | **TDC1004** | $ Pr |
| | 80mm Lift | 1 | **TDC1005** | $ Pr |

| PANHARD RODS | | | | |
|---|---|---|---|---|
| | Adjustable - for 60 & 80mm lifts | 1 | **TDPR-021** | $ Ea |
| | Adjustable - for 60 & 80mm lifts - LHD | 1 | **TDPR-023** | $ Ea |

| PANHARD RODS | | | | |
|---|---|---|---|---|
| | Adjustable - for 60 & 80mm lifts | 1 | **TDPR-010** | $ Ea |

| CASTER CORRECTION | | | | |
|---|---|---|---|---|
| | 3 Degree - for 60 & 80mm lifts | 1 | **TDUK-063** | $ Kt |

| BRAKE HOSE KITS | | | | |
|---|---|---|---|---|
| | 4x Rubber Hose - 60 & 80mm lift | 1 | **TDBH-401** | $ Ea |
| | 4x Braided Hose - 60 & 80mm lift | 1 | **TDBH-402** | $ Ea |
| **Note:** Must be fitted to all Kits. | | | | |

| STEERING DAMPERS | | | | |
|---|---|---|---|---|
| | Replacement Damper | 1 | **EXT5928** | $ Ea |
| | Return to Center | 1 | **SS5928-P/S** | $ Ea |
| | 9 Stage Adjustable | 1 | **SV5928** | $ Ea |
| **Note:** Includes mounting brackets. | | | | |

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

# SUZUKI

**JIMNY**
**JB74**
**2019 ON**
**EST. LIFT FRONT: 60MM - 80MM | REAR: 60MM - 80MM**

## FRONT

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FRONT INDIVIDUAL COMPONENTS** | | | | |
| | Radius Rod bushes - no adjustament | 1 | **TDUK-039** | $ Kt |
| | Panhard rod bush kit - TDPR-021,023 | 1 | **TDUK-031** | $ Kt |
| | Coil spacer - Fit with Bar & Winch | 1 | **TDUK-084** | $ Kt |
| | ABS relocation & Vacuum hose | 1 | **TDSP-016** | $ Ea |
| **Note:** Must be fitted to all Kits. | | | | |
| | Crossmember drop kit | 1 | **TDSP-018** | $ Ea |
| **Note:** Must be fitted to all Kits. | | | | |

## REAR

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **REAR INDIVIDUAL COMPONENTS** | | | | |
| | Radius rod bushes - no adjustament | 1 | **TDUK-039** | $ Kt |
| | Panhard rod bush kit -TDPR-010 | 1 | **TDUK-030** | $ Kt |
| | Headlight module bracket | 1 | **TDSP-017** | $ Ea |
| **Note:** Must be fitted to all Kits. | | | | |

| FRONT REPLACEMENT BUSHES (QTY PER SHOCK) | | | | |
|---|---|---|---|---|
| | Fits top pin | 2 | **402267** | $ Ea |
| | Fits bottom eyering | 1 | **412773** | $ Ea |

| REAR REPLACEMENT BUSHES (QTY PER SHOCK) | | | | |
|---|---|---|---|---|
| | Fits top & bottom eyering | 1 | **412773** | $ Ea |

# SUZUKI

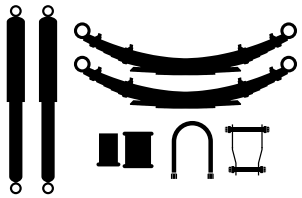
**LJ50, LJ80, LJ81, SIERRA** (SJ40, SJ50, SJ51, SJ70), **MARUTI** (MG410)
**LEAF SPRING**
**1974-2000**
**EST. LIFT FRONT: 50MM | REAR: 50MM**

TOUGH DOG 4WD Suspension ... Making Tracks Across the World

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.

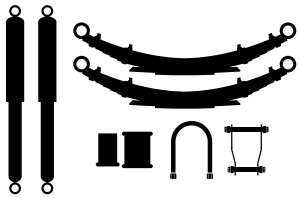


| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Leaf Spring | 2 | Ea |
| Urethane Shackle bushes | 1 | Kt |
| U-Bolt kits | 2 | Kt |
| Greaseable Shackle kit | 1 | Kt |
| Steering Damper (Optional) | 1 | Ea |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Leaf Spring | 2 | Ea |
| Urethane Shackle bushes | 1 | Kt |
| U-Bolt kits | 2 | Kt |
| Greaseable Shackle kit | 1 | Kt |

### NITROGEN GAS - SHOCK ABSORBER

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| | Up to 50mm Lift | 2 | **BD1102T** | $ Ea |

### NITROGEN GAS - SHOCK ABSORBER

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| | LJ80 & 80V - OEM height | 2 | **BD1102T** | $ Ea |
| | LJ80 & 80V - 50mm lift | 2 | **BD1104T** | |
| | OE height | 2 | **BD1364T** | |
| | 50mm Lift | 2 | **BD1366T** | |

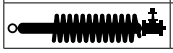
### LEAF SPRINGS

| | | | | |
|---|---|---|---|---|
| | Up to Steel bar - 50mm lift | 1 | **T61-LH** | $ Ea |
| | | 1 | **T61-RH** | |

### LEAF SPRINGS

| | | | | |
|---|---|---|---|---|
| | 50mm Lift | 1 | **T62-LH** | $ Ea |
| | | 1 | **T62-RH** | |

### STEERING DAMPERS

| | | | | |
|---|---|---|---|---|
| | Replacement damper | 1 | **SD14030** | $ Ea |
|  | Return to Center | 1 | **SS5611-M/S** | $ Ea |

### FRONT INDIVIDUAL COMPONENTS

| | | | | |
|---|---|---|---|---|
| | Urethane Shackle bush kit | 1 | **TDUK-013** | $ Kt |
| | U-Bolt Kit - P/S Fits F/LH SJ413, MG410 (W/T) | 1 | **TDUB-014** | $ Kt |
| | U-Bolt Kit - D/S Fits F/RH SJ413, MG410 (W/T) | 1 | **TDUB-013** | $ Kt |
| | U-Bolt Kit Fits LJ50, LJ80, LJ81, SJ410, MG410 (N/T) | 2 | **TDUB-041** | $ Kt |
| | Greaseable Shackle kit | 1 | **TDGS-656** | $ Kt |

### REAR INDIVIDUAL COMPONENTS

| | | | | |
|---|---|---|---|---|
| | Urethane Shackle bush kit | 1 | **TDUK-013** | $ Kt |
| | U-Bolt Kit Fits SJ413, MG410 (W/T) | 2 | **TDUB-014** | $ Kt |
| | U-Bolt Kit Fits LJ50, LJ80, LJ81, SJ410, MG410 (N/T) | 2 | **TDUB-041** | $ Kt |
| | Greaseable Shackle kit | 1 | **TDGS-656** | $ Kt |

### FRONT REPLACEMENT BUSHES (QTY PER SHOCK)

| | | | | |
|---|---|---|---|---|
|  | Fits top Pin | 2 | **TW959** | $ Ea |
| | Fits bottom eyering | 1 | **404702** | $ Ea |

### REAR REPLACEMENT BUSHES (QTY PER SHOCK)

| | | | | |
|---|---|---|---|---|
| | Fits top & bottom eyering (For 1364, 1366) | 2 | **404702** | $ Ea |
| | Fits top pin (For 1102, 1104) | 2 | **TW959** | $ Ea |
| | Fits bottom eyering (For 1102, 1104) | 1 | **404702** | $ Ea |

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

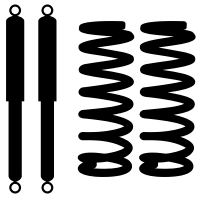
# SUZUKI

**VITARA**
**INC GRAND VITARA & XL7**
**07/1988-2006**
**EST. LIFT FRONT: 30MM | REAR: 30MM**

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.

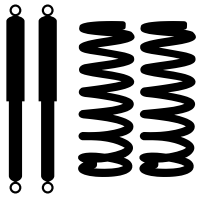


| | | |
|---|---|---|
| Strut | 2 | Ea |
| Coil Springs | 1 | Pr |
| Steering Damper (Optional) | 1 | Ea |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Coil Springs | 1 | Pr |
| Panhard Rod (Optional) | 1 | Ea |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **NITROGEN GAS - STRUT** | | | | |
| | OE Height - Shock only | 2 | **BDS4613** | $ Ea |
| | 30mm Lift - Shock Includes Camber Bolt | 2 | **BDS4000LR** | $ Ea |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **NITROGEN GAS - SHOCK ABSORBER** | | | | |
| | Up to 30mm Lift | 2 | **FC31005** | $ Ea |

| COIL SPRINGS | | | | |
|---|---|---|---|---|
| | 88-97 1.6L SWB | 1 | **TDC814** | $ Pr |
| | 91-97 1.6L LWB & 97-99 2.0L SWB | 1 | **TDC816** | $ Pr |
| | 95-03/98 2.0L V6 LWB | 1 | **TDC818** | $ Pr |
| | 98-05 1.6L SWB & 2.0L LWB | 1 | **TDC834SL** | $ Pr |
| | 98-05 2.5L V6 LWB | 1 | **TDC834** | $ Pr |
| | 01-06 2.7L V6 XL7 LWB | 1 | **TDC834H** | $ Pr |

| COIL SPRINGS | | | | |
|---|---|---|---|---|
| | 88-03/98 SWB | 1 | **TDC815** | $ Pr |
| | 91-03/98 LWB | 1 | **TDC817** | $ Pr |
| | 04/98-07/05 SWB | 1 | **TDC835SL** | $ Pr |
| | 04/98-07/05 LWB | 1 | **TDC835** | $ Pr |
| | 07/01-06 XL-7 Only | 1 | **TDC838** | $ Pr |

| STEERING DAMPERS | | | | |
|---|---|---|---|---|
| | 07/1988-1998 Return to Center | 1 | **SS5614-M/S** | $ Ea |

| PANHARD ROD | | | | |
|---|---|---|---|---|
| | Adjustable Suits 1988 - 2006 | 1 | **TDPR-024** | $ Ea |

| REAR REPLACEMENT BUSHES (QTY PER SHOCK) | | | | |
|---|---|---|---|---|
| | Fits top pin | 2 | **TW959** | $ Ea |
| | Fits bottom eyering | 1 | **4W-SPF420-02** | $ Ea |

ALL PRICES EXCLUDE FREIGHT. INCLUDE ONLY PERMANENT ACCESSORIES & WEIGHTS WHEN SELECTING SPRINGS. TOWING WEIGHT IS NOT INCLUDED

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# TOYOTA
## FORTUNER

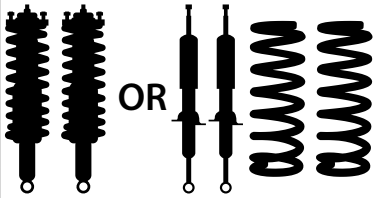
**2004-12/2015**
**EST. LIFT FRONT: 40MM | REAR: 40MM**

TOUGH DOG 4WD Suspension ... Making Tracks Across the World

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.




| | | |
|---|---|---|
| Assembled struts | 2 | Ea |
| OR | | |
| Struts | 2 | Ea |
| Coil Springs | 1 | Pr |
| Strut Top (Optional) | 2 | Ea |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **ASSEMBLED STRUTS - FOAM CELL** | | | | |
| Assembled struts are made up of: 1 x strut, 1 x coil 1 x strut top | | | | |
| | Up to Steel Bar | 1 | TOY-026/03-LH | $ Ea |
| | | 1 | TOY-026/03-RH | |
| | With Steel Bar & Winch | 1 | TOY-026/04-LH | $ Ea |
| | | 1 | TOY-026/04-RH | |
| **ASSEMBLED STRUTS - 40MM ADJUSTABLE** | | | | |
| Assembled struts are made up of: 1 x strut, 1 x coil 1 x strut top | | | | |
| | Up to Steel Bar | 1 | TOY-026/01-LH | $ Ea |
| | | 1 | TOY-026/01-RH | |
| | With Steel Bar & Winch | 1 | TOY-026/02-LH | $ Ea |
| | | 1 | TOY-026/02-RH | |

| | | | | |
|---|---|---|---|---|
| | **STRUT - FOAM CELL** | | | |
| | Up to 40mm Lift - Strut Only/ No Coil/ No Strut top | 2 | FC404600 | $ Ea |
| | **STRUT - 40MM ADJUSTABLE** | | | |
| | Up to 40mm Lift - Strut Only/ No Coil/ No Strut top | 2 | BM404600 | $ Ea |

| | | | | |
|---|---|---|---|---|
| **COIL SPRINGS** | | | | |
| | OE Height | 1 | TDC974S | $ Pr |
| | Up to Steel Bar | 1 | TDC974 | $ Pr |
| | With Steel Bar & Winch | 1 | TDC974H | $ Pr |

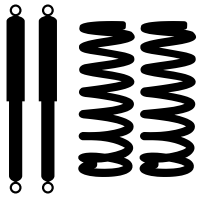
| | | | | |
|---|---|---|---|---|
| **FRONT INDIVIDUAL COMPONENTS** | | | | |
| | Strut Top | 2 | TOY-1083 | $ Ea |

| | | | | |
|---|---|---|---|---|
| **FRONT REPLACEMENT BUSHES (QTY PER SHOCK)** | | | | |
| | Fits bottom eyering | 1 | ADJ300/40A | $ Ea |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Coil Springs | 1 | Pr |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | Up to 40mm Lift | 2 | FC41113 | $ Ea |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | Up to 40mm Lift | 2 | BM401113 | $ Ea |

| | | | | |
|---|---|---|---|---|
| **COIL SPRINGS** | | | | |
| | 0-300kg load | 1 | TDC912 | $ Pr |
| | CONSTANT 300kg load | 1 | TDC912L | $ Pr |
| | CONSTANT 500kg load | 1 | TDC912HL | $ Pr |

| | | | | |
|---|---|---|---|---|
| **REAR REPLACEMENT BUSHES (QTY PER SHOCK)** | | | | |
| | Fits top pin | 2 | TW959 | $ Ea |
| | Fits bottom eyering | 1 | ADJ00191 | $ Ea |

ALL PRICES EXCLUDE FREIGHT. INCLUDE ONLY PERMANENT ACCESSORIES & WEIGHTS WHEN SELECTING SPRINGS. TOWING WEIGHT IS NOT INCLUDED

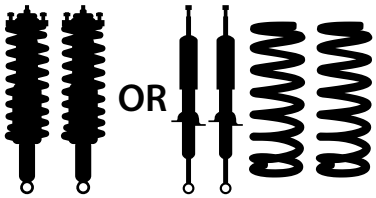
# TOYOTA

**FORTUNER**
**GUN156**
**2015 ON**
**EST. LIFT FRONT: 40MM | REAR: 40MM**

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.

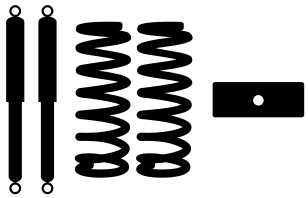



| | | |
|---|---|---|
| Assembled struts | 2 | Ea |
| OR | | |
| Struts | 2 | Ea |
| Coil Springs | 1 | Pr |
| Strut Top (Optional) | 2 | Ea |
| Upper Control Arms (Optional) | 1 | Pr |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Coil Springs | 1 | Pr |
| Transmission Spacer Kit | 1 | Ea |
| Panhard Rod (Optional) | 1 | Pr |
| Coil Insert Airbags (Optional) | 1 | Kt |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **ASSEMBLED STRUTS - FOAM CELL** | | | | |
| Assembled struts are made up of: 1 x strut, 1 x coil 1 x strut top | | | | |
| | No Accessories | 1 | TOY-026/03-LH | $ Ea |
| | | 1 | TOY-026/03-RH | |
| | With Steel Bar | 1 | TOY-027/06-LH | $ Ea |
| | | 1 | TOY-027/06-RH | |
| | With Bar & Winch | 1 | TOY-027/07-LH | $ Ea |
| | | 1 | TOY-027/07-RH | |
| **ASSEMBLED STRUTS - 40MM ADJUSTABLE** | | | | |
| Assembled struts are made up of: 1 x strut, 1 x coil 1 x strut top | | | | |
| | No Accessories | 1 | TOY-026/01-LH | $ Ea |
| | | 1 | TOY-026/01-RH | |
| | With Steel Bar | 1 | TOY-027/02-LH | $ Ea |
| | | 1 | TOY-027/02-RH | |
| | With Bar & Winch | 1 | TOY-027/03-LH | $ Ea |
| | | 1 | TOY-027/03-RH | |
| **STRUT - FOAM CELL** | | | | |
| | Up to 40mm Lift - Strut Only/ No Coil/ No Strut top | 2 | FC404600 | $ Ea |
| **STRUT - 40MM ADJUSTABLE** | | | | |
| | Up to 40mm Lift - Strut Only/ No Coil/ No Strut top | 2 | BM404600 | $ Ea |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | Up to 40mm Lift | 2 | FC43016 | $ Ea |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | Up to 40mm Lift | 2 | BM403016 | $ Ea |

| COIL SPRINGS | | | | |
|---|---|---|---|---|
| | No Accessories | 1 | TDC974 | $ Pr |
| | Up to Steel Bar | 1 | TDC983 | $ Pr |
| | With Steel Bar & Winch | 1 | TDC974H | $ Pr |

| COIL SPRINGS | | | | |
|---|---|---|---|---|
| | 0-300kg load | 1 | TDC913L | $ Pr |
| | CONSTANT 300kg load | 1 | TDC913HL | $ Pr |
| | CONSTANT 500kg load | 1 | TDC913VHL | $ Pr |

| PANHARD ROD | | | | |
|---|---|---|---|---|
| | Adjustable | 1 | TDPR-020 | $ Ea |

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

# TOYOTA

**FORTUNER**
**GUN156**
**2015 ON**
**EST. LIFT FRONT: 40MM | REAR: 40MM**

## FRONT

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **UPPER CONTROL ARMS** | | | | |
| | Upper Control Arms | 1 | **TDCA-002** | $ Pr |

Fitment of Tough Dog Upper Control arms to vehicles that have lifts fitted greater than 50mm may suffer from premature ball joint failure due to droop lengths. The use of strut spacers may also affect the performance and longevity of the UCA ball joint due to the limitations of the spherical bearing housing being breached or bound at full suspension droop. There will be no warranty either expressed or implied if the vehicle is used out of legal driving conditions that will include, but is not limited to, jumping of the vehicle.

## REAR

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **AIR ASSIST - COIL INSERT** | | | | |
| | Coil Insert bag - OEM Height | 1 | **TDAA-016** | $ Kt |
| | Coil insert Bag - 35mm lift | 1 | **TDAA-007** | $ Kt |

**Note:** Separate Air Assist components can be viewed on page 14.

| UPPER CONTROL ARMS - REPLACEMENT COMPONENTS | | | | |
|---|---|---|---|---|
| | Bush Kit to fit one UCA - for TDCA-002 | 1 | **TDSK-001** | $ Ea |
| | Ball joint kit to fit one UCA - for TDCA-002 | 1 | **TDSK-002** | $ Ea |

| AIR ASSIST - COIL INSERT WIRELESS AIR SYSTEM | | | | |
|---|---|---|---|---|
| | Wireless Air System Suits Coil Insert Airbags | 1 | **TDAS-002** | $ Kt |

| FRONT INDIVIDUAL COMPONENTS | | | | |
|---|---|---|---|---|
| | Strut Top | 2 | **TOY-1083** | $ Ea |

| REAR INDIVIDUAL COMPONENTS | | | | |
|---|---|---|---|---|
| | Transmission Spacer kit | 1 | **TDSP-010** | $ Ea |

**Note:** Must be fitted to all kits.

| FRONT REPLACEMENT BUSHES (QTY PER SHOCK) | | | | |
|---|---|---|---|---|
| | Fits bottom eyering | 1 | **ADJ300/40A** | $ Ea |

| REAR REPLACEMENT BUSHES (QTY PER SHOCK) | | | | |
|---|---|---|---|---|
| | Fits bottom eyering | 1 | **415024** | $ Ea |

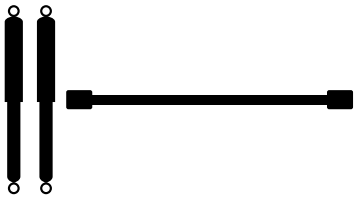
# TOYOTA

**4RUNNER**
**IFS/LEAF REAR**
**11/1985-1989**
**EST. LIFT FRONT: 50MM | REAR: 50MM**

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Torsion Bar | 1 | Pr |
| Steering Damper (Optional) | 1 | Ea |

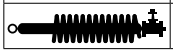
| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | Up to 50mm Lift | 2 | **FC41127B** | $ Ea |

### TORSION BAR

| | | | | |
|---|---|---|---|---|
| | 26mm / 1064mm | 1 | **4WTB-1646** | $ Pr |

Adjust torsion bars after fitting shocks
- Ensure a minimum of 60mm droop is maintained.

### STEERING DAMPERS

| | | | | |
|---|---|---|---|---|
|  | Replacement damper | 1 | **EXT5510** | $ Ea |
|  | Return to Center | 1 | **SS5510-P/S** | $ Ea |

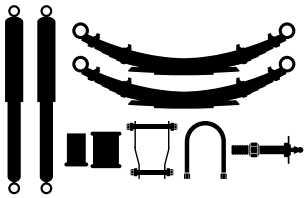
### FRONT REPLACEMENT BUSHES (QTY PER SHOCK)

| | | | | |
|---|---|---|---|---|
| | Fits top pin | 2 | **TW959** | $ Ea |
| | Fits bottom eyering | 1 | **TW038-16** | $ Ea |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Leaf Spring | 2 | Ea |
| Urethane Shackle bush kit | 1 | Kt |
| U-Bolt kits | 1 | Kt |
| Greaseable Shackle kit | 1 | Kt |
| Greaseable Pin kit | 1 | Kt |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **NITROGEN GAS - SHOCK ABSORBER** | | | | |
| | OE Height | 2 | **BD1350T** | $ Ea |
| | 50mm Lift | 2 | **BD1377T** | |
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | OE Height | 2 | **FC41350** | $ Ea |
| | 50mm Lift | 2 | **FC41377** | |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | OE Height | 2 | **BM401350** | $ Ea |
| | 50mm Lift | 2 | **BM401377** | |

### LEAF SPRINGS

| | | | | |
|---|---|---|---|---|
| | 0-300kg load | 1 | **T46C-LH** | $ Ea |
| | 0-300kg load | 1 | **T46C-RH** | $ Ea |
| | CONSTANT 300kg load | 1 | **T46L-LH** | $ Ea |
| | CONSTANT 300kg load | 1 | **T46L-RH** | $ Ea |

**Note:** 1 Left hand and 1 right hand side leaf spring pack should be ordered

### REAR INDIVIDUAL COMPONENTS

| | | | | |
|---|---|---|---|---|
| | Urethane Shackle bush kit | 1 | **TDUK-015** | $ Kt |
| | U-Bolt kit | 2 | **TDUB-016** | $ Kt |
| | Greaseable Shackle kit | 1 | **TDGS-386** | $ Kt |
| | Greaseable Pin kit | 1 | **TDGP-385** | $ Kt |

### REAR REPLACEMENT BUSHES (QTY PER SHOCK)

| | | | | |
|---|---|---|---|---|
| | Fits top and bottom eyering | 2 | **ADJ00191** | $ Ea |

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

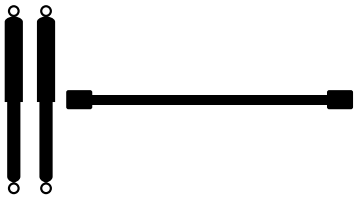
# TOYOTA

**4RUNNER**
**IFS/COIL REAR**
**1989-1996**
**EST. LIFT FRONT: 50MM | REAR: 50MM**

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Torsion Bar | 1 | Pr |
| Steering Damper (Optional) | 1 | Ea |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | Up to 50mm Lift | 2 | **FC41127B** | $ Ea |

| | | |
|---|---|---|
| **TORSION BAR** | | |
| 26mm / 1064mm | 1 | **4WTB-1646** | $ Pr |
| Adjust torsion bars after fitting shocks<br>- Ensure a minimum of 60mm droop is maintained. | | |

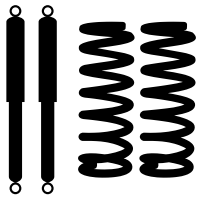
| | | |
|---|---|---|
| **STEERING DAMPERS** | | |
| Replacement damper | 1 | **EXT5510** | $ Ea |
| Return to Center | 1 | **SS5510-P/S** | $ Ea |

| | | |
|---|---|---|
| **FRONT REPLACEMENT BUSHES (QTY PER SHOCK)** | | |
| Fits top pin | 2 | **TW959** | $ Ea |
| Fits bottom eyering | 1 | **TW038-16** | $ Ea |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Coil Springs | 1 | Pr |
| Panhard Rod (Optional) | 1 | Ea |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | OE Height | 2 | **FC41108** | $ Ea |
| | 50mm lift | 2 | **FC41113** | |
| | **40MM ADJUSTABLE - SHOCK ABSORBER** | | | |
| | OE Height | 2 | **BM401108** | $ Ea |
| | 50mm lift | 2 | **BM401113** | |

| | | | | |
|---|---|---|---|---|
| **COIL SPRINGS** | | | | |
| | OE Height | 1 | **TDC946S** | $ Pr |
| | 0-300kg load | 1 | **TDC946** | $ Pr |
| | CONSTANT 300kg load | 1 | **TDC946H** | $ Pr |

| | | | | |
|---|---|---|---|---|
| **PANHARD ROD** | | | | |
| Adjustable | 1 | **TDPR-008** | $ Ea |

| | | | | |
|---|---|---|---|---|
| **REAR REPLACEMENT BUSHES (QTY PER SHOCK)** | | | | |
| Fits top pin | 2 | **TW959** | $ ea |
| Fits bottom eyering | 1 | **ADJ00191** | $ Ea |

ALL PRICES EXCLUDE FREIGHT. INCLUDE ONLY PERMANENT ACCESSORIES & WEIGHTS WHEN SELECTING SPRINGS. TOWING WEIGHT IS NOT INCLUDED

# TOYOTA

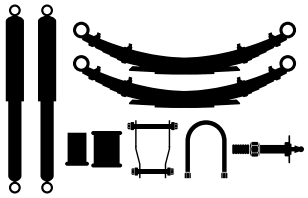
**HILUX**
**LEAF/LEAF**
**04/1979-1997**
**EST. LIFT FRONT: 50MM | REAR: 50MM**

TOUGH DOG 4WD Suspension ... Making Tracks Across the World

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Leaf Springs | 2 | Ea |
| Leaf Springs Fitment Kit | 1 | Kt |
| Steering Damper (Optional) | 1 | Ea |

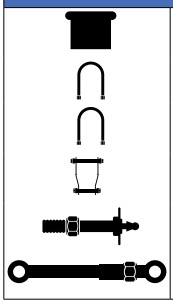
| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **NITROGEN GAS - SHOCK ABSORBER** | | | | |
| | OE Height | 2 | **BD1134T** | $ Ea |
| | 50mm Lift | 2 | **BD1109T** | |
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | OE Height | 2 | **FC41134** | $ Ea |
| | 50mm Lift | 2 | **FC41109** | |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | OE Height | 2 | **BM401134** | $ Ea |
| | 50mm Lift | 2 | **BM401109** | |

### LEAF SPRING

| | | | | |
|---|---|---|---|---|
| Up to Steel bar | 1 | **T75-LH** | $ | Ea |
| | 1 | **T75-RH** | $ | Ea |
| Steel Bar & Winch | 1 | **T78-LH** | $ | Ea |
| | 1 | **T78-RH** | $ | Ea |

**Note:** 1 Left hand and 1 right hand side leaf spring pack should be ordered

### LEAF SPRING FITMENT KIT

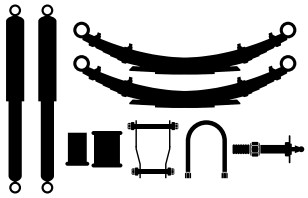


| | | | | |
|---|---|---|---|---|
| Urethane Shackle bush kit | 1 | **TDFK-023** | TDUK-014 | $ Kt |
| U-Bolt kit | | | TDUB-015 | |
| U-Bolt kit | | | TDUB-016 | |
| Greaseable Shackle kit | | | TDGS-384 | |
| Greaseable Pin kit | | | TDGP-385 | |
| Adjustable Diff Locator | | | TDDL-001 | |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Leaf Spring | 2 | Ea |
| Leaf Spring Fitment Kit | 1 | Kt |

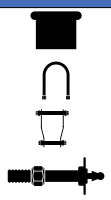
| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **NITROGEN GAS - SHOCK ABSORBER** | | | | |
| | OE Height - 04/1979 - 1983 | 2 | **BD1382T** | $ Ea |
| | 50mm Lift - 04/1979 - 1983 | 2 | **BD1388T** | |
| | OE Height - 11/1983 - 1997 | 2 | **BD1350T** | |
| | 50mm Lift - 11/1983 - 1997 | 2 | **BD1377T** | |
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | OE Height - 04/1979 - 1983 | 2 | **FC41382** | $ Ea |
| | 50mm Lift - 04/1979 - 1983 | 2 | **FC41388** | |
| | OE Height - 11/1983 - 1997 | 2 | **FC41350** | |
| | 50mm Lift - 11/1983 - 1997 | 2 | **FC41377** | |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | OE Height - 04/1979 - 1983 | 2 | **BM401382** | $ Ea |
| | 50mm Lift - 04/1979 - 1983 | 2 | **BM401388** | |
| | OE Height - 11/1983 - 1997 | 2 | **BM401350** | |
| | 50mm Lift - 11/1983 - 1997 | 2 | **BM401377** | |

### LEAF SPRINGS

| | | | | |
|---|---|---|---|---|
| 0-300kg load | 1 | **T46C-LH** | $ | Ea |
| 0-300kg load | 1 | **T46C-RH** | $ | Ea |
| CONSTANT 300kg load | 1 | **T46L-LH** | $ | Ea |
| CONSTANT 300kg load | 1 | **T46L-RH** | $ | Ea |
| CONSTANT 500kg load | 2 | **BP-002-XHD** | $ | Ea |

**Note:** 1 Left hand and 1 right hand side leaf spring pack should be ordered

### LEAF SPRING FITMENT KIT



| | | | | |
|---|---|---|---|---|
| Urethane Shackle bush kit | 1 | **TDFK-022** | TDUK-015 | $ Kt |
| U-Bolt kit | | | TDUB-016 | |
| Greaseable Shackle kit | | | TDGS-386 | |
| Greaseable Pin kit | | | TDGP-385 | |

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

# TOYOTA

**HILUX**
**LEAF/LEAF**
**04/1979-1997**
**EST. LIFT FRONT: 50MM | REAR: 50MM**

TOUGH DOG 4WD Suspension ... Making Tracks Across the World

## FRONT

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **STEERING DAMPERS** | | | | |
| | Replacement damper | 1 | **EXT5500** | $ Ea |
| | Return to Center | 1 | **SS5500-M/S** | $ Ea |
| | Return to Center | 1 | **SS5500-P/S** | $ Ea |
| | 9 Stage Adjustable | 1 | **SV5500** | $ Ea |

## REAR

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|

## FRONT INDIVIDUAL COMPONENTS

| | | | | |
|---|---|---|---|---|
| | Urethane Shackle bush kit | 1 | **TDUK-014** | $ Kt |
| | U-Bolt kit D/S | 1 | **TDUB-015** | $ Kt |
| | U-Bolt kit P/S | 1 | **TDUB-016** | $ Kt |
| | Greaseable Shackle kit | 1 | **TDGS-384** | $ Kt |
| | Greaseable Pin kit | 1 | **TDGP-385** | $ Kt |
| | Adjustable Diff Locator | 1 | **TDDL-001** | $ Ea |
| Fits with all kits | | | | |

## REAR INDIVIDUAL COMPONENTS

| | | | | |
|---|---|---|---|---|
| | Urethane Shackle bush kit | 1 | **TDUK-015** | $ Kt |
| | U-Bolt kit | 2 | **TDUB-016** | $ Kt |
| | Greaseable Shackle kit | 1 | **TDGP-385** | $ Kt |
| | Greaseable Pin kit | 1 | **TDGS-386** | $ Kt |

## FRONT REPLACEMENT BUSHES (QTY PER SHOCK)

| | | | | |
|---|---|---|---|---|
| | Fits top pin | 2 | **TW959** | $ Ea |
| | Fits bottom eyering | 1 | **412773** | $ Ea |

## REAR REPLACEMENT BUSHES (QTY PER SHOCK)

| | | | | |
|---|---|---|---|---|
| | Fits top and bottom eyering For #1350, #1377 | 2 | **ADJ00191** | $ Ea |
| | Fits top and bottom eyering For #1382, #1388 | 2 | **404702** | $ Ea |

ALL PRICES EXCLUDE FREIGHT. INCLUDE ONLY PERMANENT ACCESSORIES & WEIGHTS WHEN SELECTING SPRINGS. TOWING WEIGHT IS NOT INCLUDED

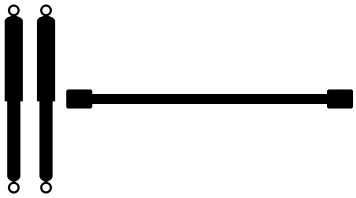
# TOYOTA

**HILUX**
**TORSION BAR FRONT**
**10/1988-1997**
**EST. LIFT FRONT: 50MM | REAR: 50MM**

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Torsion Bar | 1 | Pr |
| Steering Damper (Optional) | 1 | Ea |

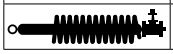
| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | 50mm Lift | 2 | **FC41127B** | $ Ea |
| | 100mm Lift | 2 | **FC41127/4B** | |

### TORSION BAR

| | | | | |
|---|---|---|---|---|
|  | 26mm / 1064mm | 1 | **4WTB-1646** | $ Pr |

Adjust torsion bars after fitting shocks
- Ensure a minimum of 60mm droop is maintained.

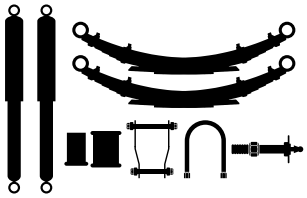
### STEERING DAMPERS

| | | | | |
|---|---|---|---|---|
|  | Replacement damper | 1 | **EXT5510** | $ Ea |
|  | Return to Center | 1 | **SS5510-P/S** | $ Ea |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Leaf Spring | 2 | Ea |
| Leaf Spring Fitment Kit | 1 | Kt |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **NITROGEN GAS - SHOCK ABSORBER** | | | | |
| | OE Height | 2 | **BD1350T** | $ Ea |
| | 50mm lift | 2 | **BD1377T** | |
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | OE Height | 2 | **FC41350** | $ Ea |
| | 50mm lift | 2 | **FC41377** | |
| | 100mm lift | 2 | **FC41377/4** | |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | OE Height | 2 | **BM401350** | $ Ea |
| | 50mm lift | 2 | **BM401377** | |

### LEAF SPRINGS

| | | | | |
|---|---|---|---|---|
| | 0-300kg load | 2 | **BP-007** | $ Ea |
| | CONSTANT 300kg load | 2 | **BP-007H** | $ Ea |
| | CONSTANT 500kg load | 2 | **BP-007HH** | $ Ea |

### LEAF SPRING FITMENT KIT

| | | | | | |
|---|---|---|---|---|---|
| | Urethane Shackle bush kit | 1 | **TDFK-024** | TDUK-065 | $ Kt |
| | U-Bolt kit | | | TDUB-016 | |
| | Greaseable Shackle kit | | | TDGS-386/1 | |
| | Greaseable Pin kit | | | TDGP-668 | |

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

# TOYOTA

**HILUX**
**TORSION BAR FRONT**
**10/1988-1997**
**EST. LIFT FRONT: 50MM | REAR: 50MM**

## FRONT

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|

## REAR

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **REAR INDIVIDUAL COMPONENTS** | | | | |
| | Urethane Shackle bush kit | 1 | **TDUK-065** | $ Kt |
| | U-Bolt kit | 2 | **TDUB-016** | $ Kt |
| | Greaseable Shackle kit | 1 | **TDGS-386/1** | $ Kt |
| | Greaseable Pin kit | 1 | **TDGP-668** | $ Kt |

| FRONT REPLACEMENT BUSHES (QTY PER SHOCK) | | | | |
|---|---|---|---|---|
| | Fits top pin | 2 | **TW959** | $ Ea |
| | Fits bottom eyering | 1 | **TW038-16** | $ Ea |

| REAR REPLACEMENT BUSHES (QTY PER SHOCK) | | | | |
|---|---|---|---|---|
| | Fits top and bottom eyering | 2 | **ADJ00191** | $ Ea |

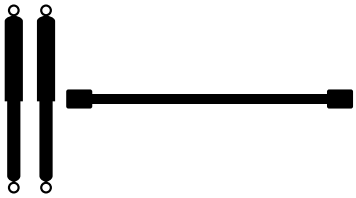
# TOYOTA

**HILUX**
**TORSION BAR FRONT**
**10/1997-2005**
**EST. LIFT FRONT: 50MM | REAR: 50MM**

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.



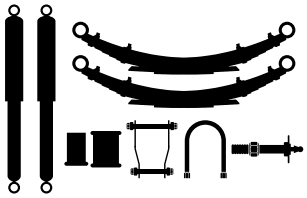
| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Torsion Bar | 1 | Pr |
| Steering Damper (Optional) | 1 | Ea |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | 50mm Lift | 2 | **FC41127B** | $ Ea |
| | 100mm Lift | 2 | **FC41127B/4** | |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Leaf Spring | 2 | Ea |
| Leaf Spring Fitment Kit | 1 | Kt |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **NITROGEN GAS - SHOCK ABSORBER** | | | | |
| | OE Height - RHS | 1 | **BD1350T** | $ Ea |
| | OE Height - LHS | 1 | **BD1377T** | |
| | 50mm lift | 2 | **BD1377T** | |
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | OE Height - RHS | 1 | **FC41350** | $ Ea |
| | OE Height - LHS | 1 | **FC41377** | |
| | 50mm lift | 2 | **FC41377** | |
| | 100mm lift | 2 | **FC41377/4** | |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | OE Height - RHS | 1 | **BM401350** | $ Ea |
| | OE Height - LHS | 1 | **BM401377** | |
| | 50mm lift | 2 | **BM401377** | |

### TORSION BAR

| | | | | |
|---|---|---|---|---|
|  | 26mm / 1064mm | 1 | **4WTB-1646** | $ Pr |

Adjust torsion bars after fitting shocks
- Ensure a minimum of 60mm droop is maintained.

### LEAF SPRINGS

| | | | | |
|---|---|---|---|---|
| | 0-300kg load | 1 | **T79C-LH** | $ Ea |
| | | 1 | **T79C-RH** | |
| | CONSTANT 300kg load | 1 | **T79L-LH** | $ Ea |
| | | 1 | **T79L-RH** | |
| | CONSTANT 500kg load | 1 | **T79LL-LH** | $ Ea |
| | | 1 | **T79LL-RH** | |

**Note:** 1 Left hand and 1 right hand side leaf spring pack should be ordered

### LEAF SPRING FITMENT KIT

| | | | | | |
|---|---|---|---|---|---|
| | Urethane Shackle bush kit | 1 | **TDFK-025** | TDUK-038 | $ Kt |
| | U-Bolt kit | | | TDUB-016 | |
| | Greaseable Shackle kit | | | TDGS-386/1 | |
| | Greaseable Pin kit | | | TDGP-668 | |

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

# TOYOTA

## HILUX
## TORSION BAR FRONT
## 10/1997-2005
**EST. LIFT FRONT: 50MM | REAR: 50MM**

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **STEERING DAMPERS** | | | | |
| | HD Steering Damper | 1 | **EXT5510** | $ Ea |
| | Return to Center | 1 | **SS5513-P/S** | $ Ea |
| | 9 Stage Adjustable | 1 | **SV5513** | $ Ea |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|

| REAR INDIVIDUAL COMPONENTS | | | | |
|---|---|---|---|---|
| | Urethane Shackle bush kit | 1 | **TDUK-038** | $ Kt |
| | U-Bolt kit | 2 | **TDUB-016** | $ Kt |
| | Greaseable Shackle kit | 1 | **TDGS-386/1** | $ Kt |
| | Greaseable Pin kit | 1 | **TDGP-668** | $ Kt |

| FRONT REPLACEMENT BUSHES (QTY PER SHOCK) | | | | |
|---|---|---|---|---|
| | Fits top pin | 2 | **TW959** | $ Ea |
| | Fits bottom eyering | 1 | **TW038-16** | $ Ea |

| REAR REPLACEMENT BUSHES (QTY PER SHOCK) | | | | |
|---|---|---|---|---|
| | Fits top and bottom eyering | 2 | **ADJ00191** | $ Ea |

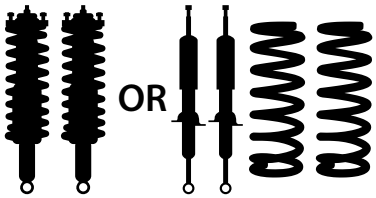
# TOYOTA

**HILUX**
**KUN26, GGN25R**
**04/2005-2015**
**EST. LIFT FRONT: 40MM | REAR: 40MM**

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.

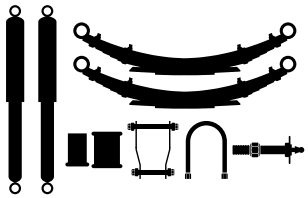



| | | |
|---|---|---|
| Assembled struts | 2 | Ea |
| OR | | |
| Struts | 2 | Ea |
| Coil Springs | 1 | Pr |
| Strut Top (Optional) | 1 | Ea |
| Upper Control Arms (Optional) | 1 | Pr |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Leaf Springs | 2 | Ea |
| Leaf Spring Fitment Kit | 1 | Kt |
| Bellows Airbag (Optional) | 1 | Kt |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **ASSEMBLED STRUTS - FOAM CELL** | | | | |
| Assembled struts are made up of: 1 x strut, 1 x coil 1 x strut top | | | | |
| | Up to Steel bar | 1 | TOY-026/03-LH | $ Ea |
| | | 1 | TOY-026/03-RH | |
| | With Steel Bar & Winch | 1 | TOY-026/04-LH | $ Ea |
| | | 1 | TOY-026/04-RH | |
| | OE Height | 1 | TOY-026/06-LH | $ Ea |
| | | 1 | TOY-026/06-RH | |
| **ASSEMBLED STRUTS - 40MM ADJUSTABLE** | | | | |
| Assembled struts are made up of: 1 x strut, 1 x coil 1 x strut top | | | | |
| | Up to Steel bar | 1 | TOY-026/01-LH | $ Ea |
| | | 1 | TOY-026/01-RH | |
| | With Steel Bar & Winch | 1 | TOY-026/02-LH | $ Ea |
| | | 1 | TOY-026/02-RH | |
| **STRUT - FOAM CELL** | | | | |
| | Up to 40mm Lift - Strut Only/ No Coil/ No Strut top | 2 | FC404600 | $ Ea |
| **STRUT - 40MM ADJUSTABLE** | | | | |
| | Up to 40mm Lift - Strut Only/ No Coil/ No Strut top | 2 | BM404600 | $ Ea |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | OE Height | 2 | FC41350 | $ Ea |
| | 40mm Lift | 2 | FC41376 | |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | OE Height | 2 | BM401350 | $ Ea |
| | 40mm Lift | 2 | BM401376 | |

| COIL SPRINGS | | | | |
|---|---|---|---|---|
| | OE Height | 1 | TDC974S | $ Pr |
| | Up to Steel Bar | 1 | TDC974 | $ Pr |
| | With Steel Bar & Winch | 1 | TDC974H | $ Pr |

| LEAF SPRINGS | | | | |
|---|---|---|---|---|
| | 0-300kg load | 2 | T80C | $ Ea |
| | CONSTANT 300kg load | 2 | T80L | $ Ea |
| | CONSTANT 500kg load | 2 | T80LL | $ Ea |

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

# TOYOTA

**HILUX**
**KUN26, GGN25R**
**04/2005-2015**
**EST. LIFT FRONT: 40MM | REAR: 40MM**

TOUGH DOG 4WD Suspension ... Making Tracks Across the World

## FRONT

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|

## REAR

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **LEAF SPRING FITMENT KIT** | | | | |
| | Urethane Shackle bush kit<br>U-Bolt kit<br>Greaseable Shackle kit<br>Greaseable Pin kit | 1 | **TDFK-026** | $ Kt |

## UPPER CONTROL ARMS

| | | | | |
|---|---|---|---|---|
| | Upper Control Arms | 1 | **TDCA-002** | $ Pr |

Fitment of Tough Dog Upper Control arms to vehicles that have lifts fitted greater than 50mm may suffer from premature ball joint failure due to droop lengths. The use of strut spacers may also affect the performance and longevity of the UCA ball joint due to the limitations of the spherical bearing housing being breached or bound at full suspension droop. There will be no warranty either expressed or implied if the vehicle is used out of legal driving conditions that will include, but is not limited to, jumping of the vehicle.

## AIR ASSIST - BELLOWS

| | | | | |
|---|---|---|---|---|
| | Bellows Bag Kit - OE Height | 1 | **TDAA-134** | $ Kt |
| | Bellows Bag Kit - 25mm Lift | 1 | **TDAA-105** | $ Kt |

**Note:** Separate Air Assist components can be viewed on page 14.

## UPPER CONTROL ARMS - REPLACEMENT COMPONENTS

| | | | | |
|---|---|---|---|---|
| | Bush Kit to fit one UCA - for TDCA-002 | 1 | **TDSK-001** | $ Ea |
| | Ball joint kit to fit one UCA - for TDCA-002 | 1 | **TDSK-002** | $ Ea |

## AIR ASSIST - BELLOWS WIRELESS AIR SYSTEM

| | | | | |
|---|---|---|---|---|
| | Wireless Air System Suits Bellows Airbags | 1 | **TDAS-001** | $ Kt |

## FRONT INDIVIDUAL COMPONENTS

| | | | | |
|---|---|---|---|---|
| | Strut Top | 2 | **TOY-1083** | $ Ea |
| | Sway Bar Spacer kit - 76mm hole spacing | 1 | **TDSP-011** | $ Ea |

## REAR INDIVIDUAL COMPONENTS

| | | | | |
|---|---|---|---|---|
| | Urethane shackle bush kit | 1 | **TDUK-067** | $ Kt |
| | U-Bolt kit | 2 | **TDUB-016** | $ Kt |
| | Greaseable Shackle kit | 1 | **TDGS-389** | $ Kt |
| | Greaseable Pin kit | 1 | **TDGP-668** | $ Kt |

## FRONT REPLACEMENT BUSHES (QTY PER SHOCK)

| | | | | |
|---|---|---|---|---|
| | Fits bottom eyering | 1 | **ADJ300/40A** | $ Ea |

## REAR REPLACEMENT BUSHES (QTY PER SHOCK)

| | | | | |
|---|---|---|---|---|
| | Fits top and bottom eyering | 2 | **ADJ00191** | $ Ea |

# TOYOTA

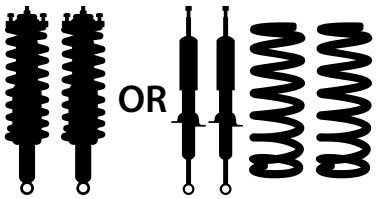
**HILUX**
**GUN125R, 126R, GGN125R**
**10/2015 ON**
**EST. LIFT FRONT: 40MM | REAR: 40MM**

**Note:** The new 2022 Toyota Hilux Rogue Wide Track from October 2022 onwards is not compatible with the Tough Dog suspension kits offered. It is wider than the current Hilux Rogue on offer. We currently do not have suspension for the October 2022 onwards Toyota Hilux Rogue Wide Track

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.



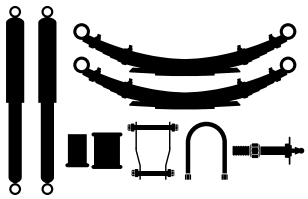

| | | |
|---|---|---|
| Assembled struts | 2 | Ea |
| OR | | |
| Struts | 2 | Ea |
| Coil Springs | 1 | Pr |
| Strut Top (Optional) | 1 | Ea |
| Upper Control Arms (Optional) | 1 | Pr |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **ASSEMBLED STRUTS - FOAM CELL** | | | | |
| Assembled struts are made up of: 1 x strut, 1 x coil 1 x strut top | | | | |
| | Up to Steel bar - OE Height | 1 | TOY-027/05-LH | $ Ea |
| | | 1 | TOY-027/05-RH | |
| | No Accessories | 1 | TOY-027/06-RH | $ Ea |
| | | 1 | TOY-027/06-LH | |
| | With Steel Bar | 1 | TOY-027/07-LH | $ Ea |
| | | 1 | TOY-027/07-RH | |
| | With Steel Bar & Winch | 1 | TOY-027/08-LH | $ Ea |
| | | 1 | TOY-027/08-RH | |
| **ASSEMBLED STRUTS - 40MM ADJUSTABLE** | | | | |
| Assembled struts are made up of: 1 x strut, 1 x coil 1 x strut top | | | | |
| | Up to Steel bar - OE Height | 1 | TOY-027/01-LH | $ Ea |
| | | 1 | TOY-027/01-RH | |
| | No Accessories | 1 | TOY-027/02-RH | $ Ea |
| | | 1 | TOY-027/02-LH | |
| | With Steel Bar | 1 | TOY-027/03-LH | $ Ea |
| | | 1 | TOY-027/03-RH | |
| | With Steel Bar & Winch | 1 | TOY-027/04-LH | $ Ea |
| | | 1 | TOY-027/04-RH | |
| **STRUT - FOAM CELL** | | | | |
| | Up to 40mm Lift - Strut Only/ No Coil/ No Strut top | 2 | FC404600 | $ Ea |
| **STRUT - 40MM ADJUSTABLE** | | | | |
| | Up to 40mm Lift - Strut Only/ No Coil/ No Strut top | 2 | BM404600 | $ Ea |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Leaf Springs | 2 | Ea |
| Leaf Spring Fitment Kit | 1 | Kt |
| Bellows Airbag (Optional) | 1 | Kt |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **NITROGEN GAS - SHOCK ABSORBER** | | | | |
| | 40mm lift - Comfort Use Only | 2 | BD3015T | $ Ea |
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | OE Height only | 2 | FC43014 | $ Ea |
| | 40mm lift - Super Soft | 2 | FC43036 | $ Ea |
| | 40mm Lift | 2 | FC43015 | $ Ea |
| | FC43036 valving suitable for Supper Soft Comfort only. Shock control is not suitable for CONSTANT 300kg, 500kg, or 800kg load leaf springs. Do not use with these springs. Use this shock only with 0-300kg load springs | | | |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | OE Height | 2 | BM403014 | $ Ea |
| | 40mm Lift | 2 | BM403015 | |

**FOR GVM UPGRADES, SEE PAGE 216**

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

# TOYOTA

**HILUX**
**GUN125R, 126R, GGN125R**
**10/2015 ON**
**EST. LIFT FRONT: 40MM | REAR: 40MM**

**Note:** The new 2022 Toyota Hilux Rogue Wide Track from October 2022 onwards is not compatible with the Tough Dog suspension kits offered. It is wider than the current Hilux Rogue on offer. We currently do not have suspension for the October 2022 onwards Toyota Hilux Rogue Wide Track

## FRONT

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **COIL SPRINGS** | | | | |
| | OE Height | 1 | **TDC983S** | $ Pr |
| | No Accessories | 1 | **TDC983** | $ Pr |
| | With Steel bar | 1 | **TDC974H** | $ Pr |
| | With Steel Bar & Winch | 1 | **TDC974HH** | $ Pr |

## REAR

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **LEAF SPRINGS** | | | | |
| | 0-300kg load | 2 | **T81C** | $ Ea |
| | CONSTANT 300kg load | 2 | **T81L** | $ Ea |
| | CONSTANT 500kg load - Use TDUB-016HD | 2 | **T81LL** | $ Ea |
| | CONSTANT 800kg load - Use TDUB-016HD | 2 | **T81XHD** | $ Ea |

| | | | | | |
|---|---|---|---|---|---|
| **LEAF SPRING FITMENT KIT - SUITS T81C** | | | | | |
| | Urethane Shackle bush kit<br>U-Bolt kit<br>Greaseable Shackle kit<br>Greaseable Pin kit | 1 | **TDFK-027** | TDUK-067<br>TDUB-016<br>TDGS-392<br>TDGP-668 | $ Kt |
| **LEAF SPRING FITMENT KIT - SUITS LL & XHD** | | | | | |
| | Urethane Shackle bush kit<br>U-Bolt kit<br>Greaseable Shackle kit<br>Greaseable Pin kit | 1 | **TDFK-028** | TDUK-067<br>TDUB-016HD<br>TDGS-392<br>TDGP-668 | $ Kt |

| | | | | |
|---|---|---|---|---|
| **UPPER CONTROL ARMS** | | | | |
| | Upper Control Arms | 1 | **TDCA-002** | $ Pr |

Fitment of Tough Dog Upper Control arms to vehicles that have lifts fitted greater than 50mm may suffer from premature ball joint failure due to droop lengths. The use of strut spacers may also affect the performance and longevity of the UCA ball joint due to the limitations of the spherical bearing housing being breached or bound at full suspension droop. There will be no warranty either expressed or implied if the vehicle is used out of legal driving conditions that will include, but is not limited to, jumping of the vehicle.

| | | | | |
|---|---|---|---|---|
| **AIR ASSIST - BELLOWS** | | | | |
| | Bellows Bag kit - OEM Height | 1 | **TDAA-122** | $ Kt |
| | Bellows Bag kit - 40mm Lift | 1 | **TDAA-113** | $ Kt |

**Note:** Separate Air Assist components can be viewed on page 14.

| | | | | |
|---|---|---|---|---|
| **UPPER CONTROL ARMS - REPLACEMENT COMPONENTS** | | | | |
| | Bush Kit to fit one UCA - for TDCA-002 | 1 | **TDSK-001** | $ Ea |
| | Ball joint kit to fit one UCA - for TDCA-002 | 1 | **TDSK-002** | $ Ea |

| | | | | |
|---|---|---|---|---|
| **AIR ASSIST - BELLOWS WIRELESS AIR SYSTEM** | | | | |
| | Wireless Air System Suits Bellows Airbags | 1 | **TDAS-001** | $ Kt |

| | | | | |
|---|---|---|---|---|
| **FRONT INDIVIDUAL COMPONENTS** | | | | |
| | Strut Top | 2 | **TOY-1083** | $ Ea |
| | Sway Bar Spacer kit - 86mm hole spacing | 1 | **TDSP-023** | $ Ea |

| | | | | |
|---|---|---|---|---|
| **REAR INDIVIDUAL COMPONENTS** | | | | |
| | Urethane Shackle bush kit | 1 | **TDUK-067** | $ Kt |
| | U-Bolt kit | 2 | **TDUB-016** | $ Kt |
| | U-Bolt kit Fits with T81LL & T81XHD | 2 | **TDUB-016HD** | $ Kt |
| | Greaseable Shackle kit | 1 | **TDGS-392** | $ Kt |
| | Greaseable Pin kit | 1 | **TDGP-668** | $ Kt |
| | Driveshaft Spacer kit | 1 | **TDSP-010** | $ Ea |

**Note:** Fit driveshaft spacer kit if vibration occurs

| | | | | |
|---|---|---|---|---|
| **FRONT REPLACEMENT BUSHES (QTY PER SHOCK)** | | | | |
| | Fits bottom eyering | 1 | **ADJ300/40A** | $ Ea |

| | | | | |
|---|---|---|---|---|
| **REAR REPLACEMENT BUSHES (QTY PER SHOCK)** | | | | |
| | Fits top and bottom eyering | 2 | **ADJ00191** | $ Ea |

ALL PRICES EXCLUDE FREIGHT. INCLUDE ONLY PERMANENT ACCESSORIES & WEIGHTS WHEN SELECTING SPRINGS. TOWING WEIGHT IS NOT INCLUDED

# GVM UPGRADE

## TOYOTA HILUX N80

4x2/4x4 'SINGLE CAB' GUN125R (WORKMATE)/GUN126R (SR) - 2015 ON
4x2/4x4 'EXTRA CAB' GUN125R (WORKMATE)/GUN126R (SR, SR5) - 2015 ON
4x2/4x4 'DOUBLE CAB' GUN125R (WORKMATE)/GUN126R (SR, SR5) - 2015 ON

FROM **2950KG*** TO **3510KG***

## WHAT YOU GET:

- EXTRA PAYLOAD UP TO **610KG**
- UPGRADED SUSPENSION
- IMPROVED HANDLING & LOAD CARRYING

| VEHICLE SPECIFICATIONS | | |
|---|---|---|
| DESCRIPTION | ORIGINAL EQUIPMENT | TOUGH DOG |
| FRONT AXLE RATING | 1450KG | **1510KG** |
| REAR AXLE RATING | 1700KG | **2000KG** |
| ORIGINAL GVM 4X4 | 3000KG - 3100KG | **3510KG** |
| ORIGINAL GVM 4X2 | 2900KG - 3100KG | **3510KG** |
| TOWING CAPACITY (BRAKED) | 3500KG | **3500KG*** |
| GROSS COMBINED MASS (GCM) 4X4 | 5850KG* | **5850KG*** |
| GROSS COMBINED MASS (GCM) 4X2 | 5650KG** | **5650KG**** |

• Towing & GCM are not altered by Tough Dog GVM upgrades.
• Payload increase is based on model variant.
•*4x4 From 09/2020, **4x2 From 09/2020

**TOUGH DOG GVM UPGRADES CAN ONLY BE ORDERED THROUGH A TOUGH DOG APPROVED GVM DEALER**

4X2, 4X4 SINGLE CAB (SR) EXTRA CAB (SR5), GUN125R (WORKMATE), GUN126R

4X2/4X4 'EXTRA CAB' GUN125R (WORKMATE)/GUN126R (SR, SR5) - 2015 ON

4X2/4X4 'DOUBLE CAB' GUN125R (WORKMATE)/GUN126R (SR, SR5) - 2015 ON

| DESCRIPTION | GVM UPGRADE | PART NO | RRP |
|---|---|---|---|
| FRONT: BAR & WINCH \| REAR: 300KG MIN. LOAD | 3510KG | TDGVM-046 | |
| FRONT: NO ACCESSORIES \| REAR: 300KG MIN. LOAD | 3510KG | TDGVM-047 | |
| FRONT: BAR & WINCH \| REAR: 600KG MIN. LOAD | 3510KG | TDGVM-048 | |
| FRONT: NO ACCESSORIES \| REAR: 600KG MIN. LOAD | 3510KG | TDGVM-049 | |

## LOGIN INTO THE DEALER PORTAL TO START YOUR GVM ORDER!

**WWW.TOUGHDOG.COM.AU/DEALER/PORTALHOME**

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

# TOYOTA
## HILUX
## 2WD WORKMATE
## 2015 ON

TOUGH DOG 4WD Suspension ... Making Tracks Across the World

## FRONT

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|

**Note:** The 4X2 Tough Dog rear suspension upgrade allows a vehicle to maintain factory ride height while carrying heavy payloads for extended periods of time. The suspension upgrade is not designed to increase the vehicle's ride height like traditional Tough Dog suspension solutions, instead these solutions assist the vehicle to carry its maximum OEM payload without suspension sag.

## REAR

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | OE Height | 2 | **FC41350** | $ Ea |
| **LEAF SPRINGS - 25MM EYERING** | | | | |
| | 0-1000kg load | 2 | **T82** | $ Ea |
| **REAR INDIVIDUAL COMPONENTS** | | | | |
| | Urethane Shackle bush kit | 1 | **TDUK-086** | $ Kt |
| | U-Bolt kit | 2 | **TDUB-017** | $ Kt |

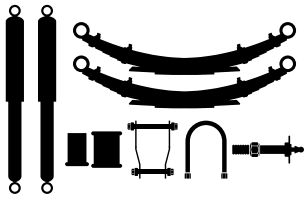
# TOYOTA
## LANDCRUISER
## 40, 42 SERIES
## 12/1977-1984
**EST. LIFT FRONT: 50MM | REAR: 50MM**

TOUGH DOG 4WD Suspension ... Making Tracks Across the World

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.

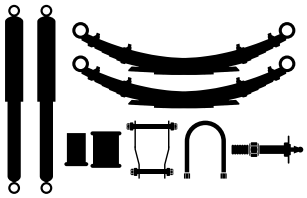


| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Leaf Spring | 2 | Ea |
| Urethane Shackle bushes | 1 | Kt |
| U-Bolt kits | 2 | Kt |
| Greaseable Shackle kit | 1 | Kt |
| Greaseable Pin kit | 1 | Kt |
| Steering Damper (Optional) | 1 | Ea |

## REAR

### REAR SUSPENSION CHECK LIST

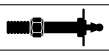
You need to order the following items for the rear end of your vehicle.

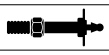


| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Leaf Spring | 2 | Ea |
| Urethane Shackle bushes | 1 | Kt |
| U-Bolt kits | 2 | Kt |
| Greaseable Shackle kit | 1 | Kt |
| Greaseable Pin kit | 1 | Kt |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | OE Height | 2 | **FC41364** | $ Ea |
| | 50mm Lift | 2 | **FC41366** | $ Ea |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | OE Height | 2 | **BM401364** | $ Ea |
| | 50mm Lift | 2 | **BM401366** | $ Ea |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | OE Height - FJ40, FJ42 Chassis # 19114 | 2 | **FC41366** | $ Ea |
| | 50mm Liftt - FJ40, FJ42 Chassis # 19114 | 2 | **FC41382** | |
| | OE Height - FJ40, FJ42 Chassis #19115 On | 2 | **FC41382** | $ Ea |
| | 50mm Liftt - FJ40, FJ42 Chassis #19115 On | 2 | **FC41388** | |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | OE Height - FJ40, FJ42 Chassis # 19114 | 2 | **BM401366** | $ Ea |
| | 50mm Liftt - FJ40, FJ42 Chassis # 19114 | 2 | **BM401382** | |
| | OE Height - FJ40, FJ42 Chassis #19115 On | 2 | **BM401382** | $ Ea |
| | 50mm Liftt - FJ40, FJ42 Chassis #19115 On | 2 | **BM401388** | |

| | | | | |
|---|---|---|---|---|
| **LEAF SPRINGS - 25MM EYERING** | | | | |
| | Up to Steel Bar | 2 | **BP-009** | $ Ea |
| | With Steel Bar & Winch | 2 | **BP-009H** | $ Ea |
| **FRONT INDIVIDUAL COMPONENTS - 25MM EYERING** | | | | |
| | Urethane Shackle bushes | 1 | **TDUK-016** | $ Kt |
| | U-Bolt kit | 2 | **TDUB-017** | $ Kt |
| | Greaseable Shackle kit | 1 | **TDGS-343** | $ Kt |
|  | Greaseable Pin kit | 1 | **TDGP-346** | $ Kt |

| | | | | |
|---|---|---|---|---|
| **LEAF SPRINGS - 25MM EYERING** | | | | |
| | 0-300kg load | 2 | **BP-010** | $ Ea |
| | CONSTANT 300kg load | 2 | **BP-010H** | $ Ea |
| **REAR INDIVIDUAL COMPONENTS - 25MM EYERING** | | | | |
| | Urethane Shackle bushes | 1 | **TDUK-016** | $ Kt |
| | U-Bolt kit | 2 | **TDUB-017** | $ Kt |
| | Greaseable Shackle kit | 1 | **TDGS-343** | $ Kt |
|  | Greaseable Pin kit | 1 | **TDGP-346** | $ Kt |

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

# TOYOTA

**LANDCRUISER**
**40, 42 SERIES**
**12/1977-1984**
**EST. LIFT FRONT: 50MM | REAR: 50MM**

## FRONT

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **LEAF SPRINGS - 35MM EYERING** | | | | |
| | Up to Steel Bar | 2 | **BP-011** | $ Ea |
| | With Steel Bar & Winch | 2 | **BP-011H** | $ Ea |
| **FRONT INDIVIDUAL COMPONENTS - 35MM EYERING** | | | | |
| | Urethane Shackle bushes | 1 | **TDUK-012** | $ Kt |
| | U-Bolt kit | 2 | **TDUB-017** | $ Kt |
| | Greaseable Shackle kit | 1 | **TDGS-348** | $ Kt |
| | Greaseable Pin kit | 1 | **TDGP-351** | $ Kt |

## REAR

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **LEAF SPRINGS - 35MM EYERING** | | | | |
| | 0-300kg load | 2 | **BP-012** | $ Ea |
| | CONSTANT 300kg load | 2 | **BP-012H** | $ Ea |
| **REAR INDIVIDUAL COMPONENTS - 35MM EYERING** | | | | |
| | Urethane Shackle bushes | 1 | **TDUK-012** | $ Kt |
| | U-Bolt kit | 2 | **TDUB-017** | $ Kt |
| | Greaseable Shackle kit | 1 | **TDGS-348** | $ Kt |
| | Greaseable Pin kit | 1 | **TDGP-351** | $ Kt |

## STEERING DAMPERS

| | | | | |
|---|---|---|---|---|
| | Replacement Damper | 1 | **EXT5511** | $ Ea |
| | Return to Center (Non Power Steer) | 1 | **SS5511-M/S** | $ Ea |
| | Return to Center (Power Steer) | 1 | **SS5511-P/S** | $ Ea |

**Note:** RTC Stands for Return to Centre.

## FRONT REPLACEMENT BUSHES (QTY PER SHOCK)

| | | | | |
|---|---|---|---|---|
| | Fits top & bottom eyering | 2 | **404702** | $ Ea |

## REAR REPLACEMENT BUSHES (QTY PER SHOCK)

| | | | | |
|---|---|---|---|---|
| | Fits top & bottom eyering | 2 | **404702** | $ Ea |

ALL PRICES EXCLUDE FREIGHT. INCLUDE ONLY PERMANENT ACCESSORIES & WEIGHTS WHEN SELECTING SPRINGS. TOWING WEIGHT IS NOT INCLUDED

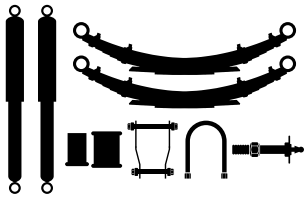
# TOYOTA
## LANDCRUISER
## 45, 47 SERIES
## 01/1965-1984
**EST. LIFT FRONT: 50MM | REAR: 50MM**

TOUGH DOG 4WD Suspension ... Making Tracks Across the World

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.

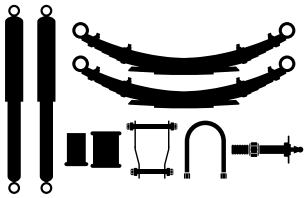


| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Leaf Spring | 2 | Ea |
| Urethane Shackle bushes | 1 | Kt |
| U-Bolt kits | 2 | Kt |
| Greaseable Shackle kit | 1 | Kt |
| Greaseable Pin kit | 1 | Kt |
| Steering Damper (Optional) | 1 | Ea |

## REAR

### REAR SUSPENSION CHECK LIST

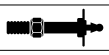
You need to order the following items for the rear end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Leaf Spring | 2 | Ea |
| Urethane Shackle bushes | 1 | Kt |
| U-Bolt kits | 2 | Kt |
| Greaseable Shackle kit | 1 | Kt |
| Greaseable Pin kit | 1 | Kt |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | OE Height | 2 | **FC41364** | $ Ea |
| | 50mm Lift | 2 | **FC41366** | $ Ea |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | OE Height | 2 | **BM401364** | $ Ea |
| | 50mm Lift | 2 | **BM401366** | $ Ea |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | OE Height | 2 | **FC41382** | $ Ea |
| | 50mm Lift | 2 | **FC41388** | $ Ea |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | OE Height | 2 | **BM401382** | $ Ea |
| | 50mm Lift | 2 | **BM401388** | $ Ea |

| | | | | |
|---|---|---|---|---|
| **LEAF SPRINGS - 45 SERIES - 30MM EYES** | | | | |
| | Up to Steel Bar | 2 | **BP-013** | $ Ea |
| | With Steel Bar & Winch | 2 | **BP-013H** | $ Ea |
| **FRONT INDIVIDUAL COMPONENTS - 45 SERIES** | | | | |
| | Urethane Shackle bushes | 1 | **TDUK-016** | $ Kt |
| | U-Bolt kit | 1 | **TDUB-017** | $ Kt |
| | U-Bolt kit | 1 | **TDUB-018** | $ Kt |
| | Greaseable Shackle kit | 1 | **TDGS-343** | $ Kt |
|  | Greaseable Pin kit | 1 | **TDGP-346** | $ Kt |

| | | | | |
|---|---|---|---|---|
| **LEAF SPRINGS - 45 SERIES - 30MM EYES** | | | | |
| | 0-300kg load | 2 | **BP-014** | $ Ea |
| | CONSTANT 300kg load | 2 | **BP-014H** | $ Ea |
| **REAR INDIVIDUAL COMPONENTS - 45 SERIES** | | | | |
| | Urethane Shackle bushes | 1 | **TDUK-017** | $ Ea |
| | U-Bolt kit | 2 | **TDUB-017** | $ Ea |
| | Greaseable Shackle kit | 1 | **TDGS-344/5** | $ Ea |
| | Greaseable Pin kit | 1 | **TDGP-347** | $ Ea |

| | | | | |
|---|---|---|---|---|
| **LEAF SPRINGS - 47 SERIES - 35MM EYES** | | | | |
| | Up to Steel Bar | 2 | **BP-015** | $ Ea |
| | With Steel Bar & Winch | 2 | **BP-015H** | $ Ea |
| **FRONT INDIVIDUAL COMPONENTS - 47 SERIES** | | | | |
| | Urethane Shackle bushes | 1 | **TDUK-012** | $ Kt |
| | U-Bolt kit | 1 | **TDUB-017** | $ Kt |
| | U-Bolt kit | 1 | **TDUB-018** | $ Kt |
| | Greaseable Shackle kit | 1 | **TDGS-348** | $ Kt |
| | Greaseable Pin kit | 1 | **TDGP-351** | $ Kt |

| | | | | |
|---|---|---|---|---|
| **LEAF SPRINGS - 47 SERIES - 35MM EYES** | | | | |
| | 0-300kg load | 2 | **BP-016** | $ Ea |
| | CONSTANT 300kg load | 2 | **BP-016H** | $ Ea |
| **REAR INDIVIDUAL COMPONENTS - 47 SERIES** | | | | |
| | Urethane Shackle bushes | 1 | **TDUK-012** | $ Kt |
| | U-Bolt kit | 2 | **TDUB-017** | $ Kt |
| | Greaseable Shackle kit | 1 | **TDGS-349/5** | $ Kt |
| | Greaseable Pin kit | 1 | **TDGP-351** | $ Kt |

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

# TOYOTA

**LANDCRUISER**
**45, 47 SERIES**
**01/1965-1984**
**EST. LIFT FRONT: 50MM | REAR: 50MM**

TOUGH DOG 4WD Suspension ... Making Tracks Across the World

## FRONT

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **STEERING DAMPERS** | | | | |
| | Replacement Damper | 1 | **EXT5511** | $ Ea |
| | Return to Center (Non Power Steer) | 1 | **SS5511-M/S** | $ Ea |
| | Return to Center (Power Steer) | 1 | **SS5511-P/S** | $ Ea |

**Note:** RTC Stands for Return to Centre.

## REAR

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|

| FRONT REPLACEMENT BUSHES (QTY PER SHOCK) | | | | |
|---|---|---|---|---|
| | Fits top & bottom eyering | 2 | **404702** | $ Ea |

| REAR REPLACEMENT BUSHES (QTY PER SHOCK) | | | | |
|---|---|---|---|---|
| | Fits top & bottom eyering | 2 | **404702** | $ Ea |

# TOYOTA

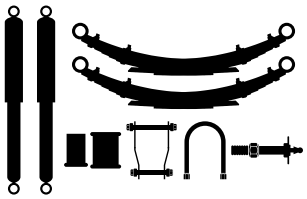
**LANDCRUISER**
**60, 61, 62 SERIES**
**11/1980-1990**
**EST. LIFT FRONT: 50MM | REAR: 50MM**

TOUGH DOG 4WD Suspension ... Making Tracks Across the World

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.

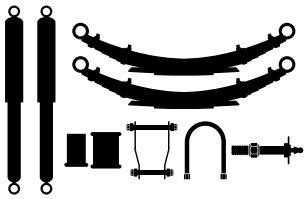


| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Leaf Spring | 2 | Ea |
| Urethane Shackle bushes | 1 | Kt |
| U-Bolt kits | 1 | Kt |
| Greaseable Shackle kit | 1 | Kt |
| Greaseable Pin kit | 1 | Kt |
| Steering Damper (Optional) | 1 | Ea |
| Offset King Pin (Optional) | 1 | Ea |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Leaf Spring | 2 | Ea |
| Urethane Shackle bushes | 1 | Kt |
| U-Bolt kits | 1 | Kt |
| Greaseable Shackle kit | 1 | Kt |
| Greaseable Pin kit | 1 | Kt |

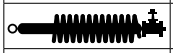
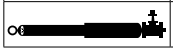
| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | OE Height | 2 | **FC41113** | $ Ea |
| | 50mm Lift | 2 | **FC41163** | $ Ea |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | OE Height | 2 | **BM401113** | $ Ea |
| | 50mm Lift | 2 | **BM401163** | $ Ea |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | OE Height - 11/80 - 10/85 | 2 | **FC41366** | $ Ea |
| | 50mm Lift - 11/80 - 10/85 | 2 | **FC41382** | $ Ea |
| | 50mm Lift - 10/85 - 90 | 2 | **FC41350** | $ Ea |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | OE Height - 11/80 - 10/85 | 2 | **BM401366** | $ Ea |
| | 50mm Lift - 11/80 - 10/85 | 2 | **BM401382** | $ Ea |
| | 50mm Lift - 10/85 - 90 | 2 | **BM401350** | $ Ea |

| LEAF SPRINGS | | | | |
|---|---|---|---|---|
| | Up to Steel Bar | 2 | **T43L** | $ Ea |
| | With Steel Bar & Winch | 2 | **T43H** | $ Ea |
| | Up to Steel Bar - With Factory Turbo Diesel | 2 | **T53** | $ Ea |
| | With Steel Bar & Winch - With Factory Turbo Diesel | 2 | **T53H** | $ Ea |

| LEAF SPRINGS | | | | |
|---|---|---|---|---|
| | 0-300kg load | 1 | **T44L-LH** | $ Ea |
| | 0-300kg load | 1 | **T44L-RH** | $ Ea |
| | CONSTANT 300kg load | 1 | **T44H-LH** | $ Ea |
| | CONSTANT 300kg load | 1 | **T44H-RH** | $ Ea |
| | CONSTANT 500kg load | 1 | **T44HM-LH** | $ Ea |
| | CONSTANT 500kg load | 1 | **T44HM-RH** | $ Ea |

**Note:** 1 LEFT hand and 1 RIGHT hand side leaf spring pack should be ordered

| STEERING DAMPERS | | | | |
|---|---|---|---|---|
| | Heavy Duty Damper | 1 | **EXT5001** | $ Ea |
|  | Return to Center | 1 | **SS5001-P/S** | $ Ea |
|  | 9 Stage Adjustable | 1 | **SV5001** | $ Ea |

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

# TOYOTA

**LANDCRUISER**
**60, 61, 62 SERIES**
**11/1980-1990**
**EST. LIFT FRONT: 50MM | REAR: 50MM**

TOUGH DOG 4WD Suspension ... Making Tracks Across the World

## FRONT

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FRONT INDIVIDUAL COMPONENTS** | | | | |
| | Urethane Shackle Bush kit | 1 | **TDUK-012** | $ Kt |
| | U-Bolt kit | 2 | **TDUB-019** | $ Kt |
| | Greaseable Shackle Kit | 1 | **TDGS-348** | $ Kt |
| | Greaseable Pin Kit | 1 | **TDGP-351** | $ Kt |

## REAR

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **REAR INDIVIDUAL COMPONENTS** | | | | |
| | Urethane Shackle Bush kit | 1 | **TDUK-012** | $ Kt |
| | U-Bolt kit | 2 | **TDUB-017** | $ Kt |
| | Greaseable Shackle Kit | 1 | **TDGS-357** | $ Kt |
| | Greaseable Pin Kit | 1 | **TDGP-351** | $ Kt |

| OFFSET KING PINS | | | | |
|---|---|---|---|---|
| | 0.5 Degree | 1 | **TAK-005** | $ Ea |
| | 0.75 Degree | 1 | **TAK-075** | $ Ea |
| | 1.0 Degree | 1 | **TAK-001** | $ Ea |

| FRONT REPLACEMENT BUSHES (QTY PER SHOCK) | | | | |
|---|---|---|---|---|
| | Fits top pin | 2 | **TW959** | $ Ea |
| | Fits bottom eyering | 1 | **ADJ00191** | $ Ea |

| REAR REPLACEMENT BUSHES (QTY PER SHOCK) | | | | |
|---|---|---|---|---|
| | Fits top & bottom eyering - #1382/1366 | 2 | **404702** | $ Ea |
| | Fits top & bottom eyering - #1350 | 2 | **ADJ00191** | $ Ea |

ALL PRICES EXCLUDE FREIGHT. INCLUDE ONLY PERMANENT ACCESSORIES & WEIGHTS WHEN SELECTING SPRINGS. TOWING WEIGHT IS NOT INCLUDED

# TOYOTA

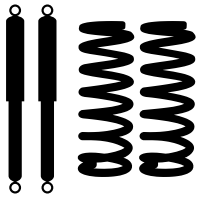
**LANDCRUISER**
**70 SERIES BUNDERA**
**11/1984-1991**
**EST. LIFT FRONT: 40MM | REAR: 40MM**

TOUGH DOG 4WD Suspension ... Making Tracks Across the World

## FRONT

### FRONT SUSPENSION CHECK LIST

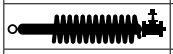
You need to order the following items for the front end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Coil Springs | 1 | Pr |
| Steering Damper (Optional) | 1 | Ea |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | OE Height | 2 | **FC41005** | $ Ea |
| | 50mm Lift | 2 | **FC41007** | $ Ea |

| | | | | |
|---|---|---|---|---|
| **COIL SPRINGS** | | | | |
| | Up to Steel bar | 1 | **TDC941L** | $ Pr |

| | | | | |
|---|---|---|---|---|
| **STEERING DAMPERS** | | | | |
| | HD Steering Damper | 1 | **EXT5001** | $ Ea |
|  | Return to Center | 1 | **SS5001-P/S** | $ Ea |
| | 9 Stage Adjustable | 1 | **SV5001** | $ Ea |

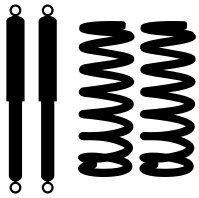
| | | | | |
|---|---|---|---|---|
| **FRONT INDIVIDUAL COMPONENTS** | | | | |
| | Bush Kit - Radius Rod to Chassis | 1 | **TDUK-041** | $ Kt |
| | Bush Kit - Radius Rod to Diff | 2 | **TDUK-042** | $ Kt |

| | | | | |
|---|---|---|---|---|
| **FRONT REPLACEMENT BUSHES (QTY PER SHOCK)** | | | | |
| | Fits top & bottom pin | 4 | **TW959** | $ Ea |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Coil Springs | 1 | Pr |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | OE Height - RHS | 1 | **FC43005** | $ Ea |
| | OE Height - LHS | 1 | **FC41107** | $ Ea |
| | 40mm Lift - RHS | 1 | **FC41350** | $ Ea |
| | 40mm Lift - LHS | 1 | **FC41108** | $ Ea |

| | | | | |
|---|---|---|---|---|
| **COIL SPRINGS** | | | | |
| | 0-300kg | 1 | **TDC942L** | $ Pr |

| | | | | |
|---|---|---|---|---|
| **REAR INDIVIDUAL COMPONENTS** | | | | |
| | Bush Kit - Radius Rod to Chassis | 1 | **TDUK-041** | $ Kt |
| | Bush Kit - Radius Rod to Diff | 2 | **TDUK-042** | $ Kt |

| | | | | |
|---|---|---|---|---|
| **REAR REPLACEMENT BUSHES (QTY PER SHOCK)** | | | | |
| | Fits bottom eyering #1107 & #1108 | 2 | **ADJ00191** | $ Ea |
| | Fits top pin #1107 & 1108 | 2 | **TW959** | $ Ea |
| | Fits top & bottom eyering #3005 & #1350 | 2 | **ADJ00191** | $ Ea |

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

# TOYOTA
## LANDCRUISER
## 71, 74 SERIES (HZJ71 & HZJ74)

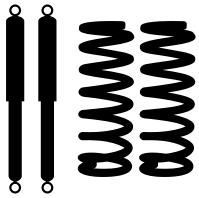
**EST. LIFT FRONT: 50MM | REAR: 50MM**

TOUGH DOG 4WD Suspension ... Making Tracks Across the World

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.

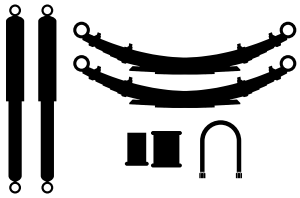


| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Coil Springs | 1 | Pr |
| Steering Damper (Optional) | 1 | Ea |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Leaf Spring | 2 | Ea |
| Urethane Shackle bush kit | 1 | Kt |
| U-Bolt kit | 1 | Kit |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | Up to 50mm Lift | 2 | **FC41050** | $ Ea |
| | **40MM ADJUSTABLE - SHOCK ABSORBER** | | | |
| | Up to 50mm Lift | 2 | **BM401050** | $ Ea |
| | **45MM ADJUSTABLE - SHOCK ABSORBER** | | | |
| | Only 50mm Lift | 2 | **BMX1050/2** | $ Ea |
| | **RALPH - SHOCK ABSORBER** | | | |
| | Up to 50mm Lift | 2 | **TDR1050** | $ Ea |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | 50mm Lift | 2 | **FC41377** | $ Ea |
| | **40MM ADJUSTABLE - SHOCK ABSORBER** | | | |
| | 50mm Lift | 2 | **BM401377** | $ Ea |
| | **45MM ADJUSTABLE - SHOCK ABSORBER** | | | |
| | 50mm Lift | 2 | **BMX1377/2** | $ Ea |
| | **RALPH - SHOCK ABSORBER** | | | |
| | 50mm Lift | 2 | **TDR1377** | $ Ea |

### COIL SPRINGS

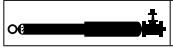
| | | | | |
|---|---|---|---|---|
| | Up to Steel bar | 1 | **TDC950SL** | $ Pr |
| | With Steel Bar & Winch | 1 | **TDC950L** | $ Pr |

### COIL SPRINGS

| | | | | |
|---|---|---|---|---|
| | 0-300kg load | 1 | **T44L-LH** | $ Ea |
| | | 1 | **T44L-RH** | |
| | CONSTANT 300kg load | 1 | **T44H-LH** | $ Ea |
| | | 1 | **T44H-RH** | |

**Note:** 1 Left hand and 1 right hand side leaf spring pack should be ordered

### STEERING DAMPERS

| | | | | |
|---|---|---|---|---|
| | HD Steering Damper | 1 | **EXT5001** | $ Ea |
| | Return to Center | 1 | **SS5001-P/S** | $ Ea |
|  | 9 Stage Adjustable | 1 | **SV5001** | $ Ea |

### REAR INDIVIDUAL COMPONENTS

| | | | | |
|---|---|---|---|---|
| | Urethane Shackle bush kit | 1 | **TDUK-012** | $ Kt |
| | U-Bolt kit | 2 | **TDUB-017** | $ Kt |

ALL PRICES EXCLUDE FREIGHT. INCLUDE ONLY PERMANENT ACCESSORIES & WEIGHTS WHEN SELECTING SPRINGS. TOWING WEIGHT IS NOT INCLUDED

# TOYOTA

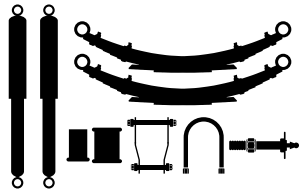
**LANDCRUISER**
**70, 73, 74 SERIES**
**11/1984-1992**
**EST. LIFT FRONT: 50MM | REAR: 50MM**

TOUGH DOG 4WD Suspension ... Making Tracks Across the World

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Leaf Spring | 2 | Ea |
| Leaf Spring Fitment Kit | 1 | Kt |
| Offset King Pin (Optional) | 1 | Kt |
| Steering Damper (Optional) | 1 | Kt |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | OE Height | 2 | **FC41113** | $ Ea |
| | 50mm Lift | 2 | **FC41163** | |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | OE Height | 2 | **BM401113** | $ Ea |
| | 50mm Lift | 2 | **BM401163** | |
| **45MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | 50mm Lift | 2 | **BMX1163/2** | $ Ea |
| **RALPH - SHOCK ABSORBER** | | | | |
| | 50mm Lift | 2 | **TDR1163B** | $ Ea |

### LEAF SPRINGS

| | | | | |
|---|---|---|---|---|
| Up to Steel Bar | 2 | **T52** | $ | Ea |

### LEAF SPRING FITMENT KIT

| | | | | |
|---|---|---|---|---|
| Urethane Shackle bush kit | 1 | **TDFK-030** | TDUK-012 | $ Kt |
| U-Bolt kit | | | TDUB-019 | |
| Greaseable Shackle kit | | | TDGS-357 | |
| Greaseable Pin kit | | | TDGP-351 | |

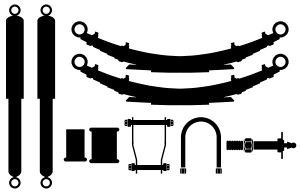
### STEERING DAMPERS

| | | | | |
|---|---|---|---|---|
| Heavy Duty Damper | 1 | **EXT5001** | $ | Ea |
| Return to Center | 1 | **SS5001-P/S** | $ | Ea |
| 9 Stage Adjustable | 1 | **SV5001** | $ | Ea |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Leaf Spring | 2 | Ea |
| Leaf Spring Fitment Kit | 1 | Kt |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | OE Height | 2 | **FC41350** | $ Ea |
| | 50mm Lift | 2 | **FC41377** | |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | OE Height | 2 | **BM401350** | $ Ea |
| | 50mm Lift | 2 | **BM401377** | |
| **45MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | 50mm Lift | 2 | **BMX1377/2** | $ Ea |
| **RALPH - SHOCK ABSORBER** | | | | |
| | 50mm Lift | 2 | **TDR1377** | $ Ea |

### LEAF SPRINGS

| | | | | |
|---|---|---|---|---|
| 0-300kg load | 1 | **T44L-LH** | $ | Ea |
| | 1 | **T44L-RH** | | |
| CONSTANT 300kg load | 1 | **T44H-LH** | $ | Ea |
| | 1 | **T44H-RH** | | |

### LEAF SPRING FITMENT KIT

| | | | | |
|---|---|---|---|---|
| Urethane Shackle bush kit | 1 | **TDFK-031** | TDUK-012 | $ Kt |
| U-Bolt kit | | | TDUB-017 | |
| Greaseable Shackle kit | | | TDGS-357 | |
| Greaseable Pin kit | | | TDGP-351 | |

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

# TOYOTA

**LANDCRUISER**
**70, 73, 74 SERIES**
**11/1984-1992**
**EST. LIFT FRONT: 50MM | REAR: 50MM**

## FRONT

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FRONT INDIVIDUAL COMPONENTS** | | | | |
| | Urethane Shackle bush kit | 1 | **TDUK-012** | $ Kt |
| | U-Bolt kit | 2 | **TDUB-019** | $ Kt |
| | Greaseable Shackle kit | 1 | **TDGS-357** | $ Kt |
| | Greaseable Pin kit | 1 | **TDGP-351** | $ Kt |

## REAR

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **REAR INDIVIDUAL COMPONENTS** | | | | |
| | Urethane Shackle bush kit | 1 | **TDUK-012** | $ Kt |
| | U-Bolt kit | 2 | **TDUB-017** | $ Kt |
| | Greaseable Shackle kit | 1 | **TDGS-357** | $ Kt |
| | Greaseable Pin kit | 1 | **TDGP-351** | $ Kt |

## OFFSET KING PINS

| | | | | |
|---|---|---|---|---|
| | 0.5 Degree | 1 | **TAK-005** | $ Ea |
| | 0.75 Degree | 1 | **TAK-075** | $ Ea |
| | 1.0 Degree | 1 | **TAK-001** | $ Ea |

## FRONT REPLACEMENT BUSHES (QTY PER SHOCK)

| | | | | |
|---|---|---|---|---|
| | Front top pin | 2 | **TW959** | $ Ea |
| | Front bottom eyering | 1 | **ADJ00191** | $ Ea |

## REAR REPLACEMENT BUSHES (QTY PER SHOCK)

| | | | | |
|---|---|---|---|---|
| | Rear top & bottom eyering | 2 | **ADJ00191** | $ Ea |

ALL PRICES EXCLUDE FREIGHT. INCLUDE ONLY PERMANENT ACCESSORIES & WEIGHTS WHEN SELECTING SPRINGS. TOWING WEIGHT IS NOT INCLUDED

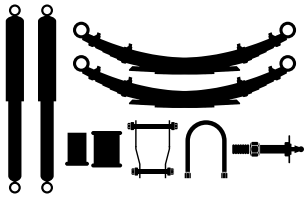
# TOYOTA
## LANDCRUISER 75 SERIES 11/1984-1999
**EST. LIFT FRONT: 50MM | REAR: 50MM**

TOUGH DOG 4WD Suspension ... Making Tracks Across the World

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Leaf Spring | 2 | Ea |
| Leaf Spring Fitment Kit | 1 | Kt |
| Offset King Pins (Optional) | 1 | Ea |
| Steering Damper (Optional) | 1 | Ea |

| CONTENT | DESCRIPTION | QTY | PART NO | KIT INC. | RRP |
|---|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | | |
| | OE Height | 2 | **FC41113B** | | |
| | 50mm Lift - HZJ75 3/90-99 | 2 | **FC41163B** | | $ Ea |
| | 50mm Lift - All Except HZJ75 | 2 | **FC41163** | | |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | | |
| | 50mm Lift - All models | 2 | **BM401163** | | $ Ea |
| **45MM ADJUSTABLE - SHOCK ABSORBER** | | | | | |
| | 50mm Lift - All models | 2 | **BMX1163/2** | | $ Ea |
| **RALPH - SHOCK ABSORBER** | | | | | |
| | 50mm Lift - All models | 2 | **TDR1163B** | | $ Ea |

### LEAF SPRINGS

| | | | | | |
|---|---|---|---|---|---|
| | Up to bar | 2 | **T52** | | $ Ea |
| | With Steel Bar & Winch | 2 | **T52H** | | $ Ea |

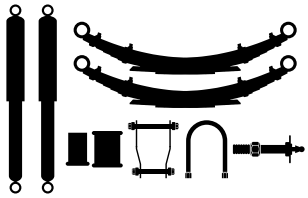
### LEAF SPRING FITMENT KIT

| | | | | | |
|---|---|---|---|---|---|
| | Urethane Shackle bush kit | | | TDUK-012 | |
| | U-Bolt kit | 1 | **TDFK-030** | TDUB-019 | $ Kt |
| | Greaseable Shackle kit | | | TDGS-357 | |
| | Greaseable Pin kit | | | TDGP-351 | |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Leaf Spring | 2 | Ea |
| Leaf Spring Fitment Kit | 1 | Kt |
| Bellow Airbags (Optional) | 1 | Kt |

| CONTENT | DESCRIPTION | QTY | PART NO | KIT INC. | RRP |
|---|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | | |
| | OE Height | 2 | **FC41350** | | $ Ea |
| | 50mm Lift - All models | 2 | **FC41377** | | $ Ea |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | | |
| | 50mm Lift - All models | 2 | **BM401377** | | $ Ea |
| **45MM ADJUSTABLE - SHOCK ABSORBER** | | | | | |
| | 50mm Lift - All models | 2 | **BMX1377/2** | | $ Ea |
| **RALPH - SHOCK ABSORBER** | | | | | |
| | 50mm Lift - All models | 2 | **TDR1377** | | $ Ea |

### LEAF SPRINGS

| | | | | | |
|---|---|---|---|---|---|
| | 0-300kg load | 1 | **T51-LH** | | $ Ea |
| | | 1 | **T51-RH** | | $ Ea |
| | CONSTANT 300kg load | 1 | **FS751M-LH** | | $ Ea |
| | | 1 | **FS751M-RH** | | $ Ea |
| | CONSTANT 500kg load | 1 | **FS751HM-LH** | | $ Ea |
| | | 1 | **FS751HM-RH** | | $ Ea |

### LEAF SPRING FITMENT KIT

| | | | | | |
|---|---|---|---|---|---|
| | Urethane Shackle bush kit | | | TDUK-018 | |
| | U-Bolt kit | | | TDUB-017 | |
| | Greaseable Shackle kit | 1 | **TDFK-033** | TDGS-357 | $ Kt |
| | Greaseable Pin kit | | | TDGP-354 | |
| | Brake Bias Bracket- Must be included | | | TDSP-014 | |

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

# TOYOTA
## LANDCRUISER
## 75 SERIES
## 11/1984-1999
**EST. LIFT FRONT: 50MM | REAR: 50MM**

TOUGH DOG 4WD Suspension ... Making Tracks Across the World

## FRONT

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **STEERING DAMPERS** | | | | |
| | Heavy Duty Damper | 1 | **EXT5001** | $ Ea |
| | Return to Center | 1 | **SS5001-P/S** | $ Ea |
| | 9 Stage Adjustable | 1 | **SV5001** | $ Ea |

## REAR

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **AIR ASSIST - BELLOWS** | | | | |
| | Bellows bag Kit 50mm - 75mm Lift | 1 | **TDAA-115** | $ Kt |
| | Bellows bag Kit Standard | 1 | **TDAA-121** | $ Kt |

**Note:** Separate Air Assist components can be viewed on page 14.

| OFFSET KING PINS | | | | |
|---|---|---|---|---|
| | 0.5 Degree | 1 | **TAK-005** | $ Ea |
| | 0.75 Degree | 1 | **TAK-075** | $ Ea |
| | 1.0 Degree | 1 | **TAK-001** | $ Ea |

| AIR ASSIST - BELLOWS WIRELESS AIR SYSTEM | | | | |
|---|---|---|---|---|
| | Wireless Air System Suits Bellows Airbags | 1 | **TDAS-001** | $ Kt |

| FRONT INDIVIDUAL COMPONENTS | | | | |
|---|---|---|---|---|
| | Urethane Shackle bush kit | 1 | **TDUK-012** | $ Kt |
| | U-Bolt kit | 2 | **TDUB-019** | $ Kt |
| | Greaseable Shackle kit | 1 | **TDGS-357** | $ Kt |
| | Greaseable Pin kit | 1 | **TDGP-351** | $ Kt |

| REAR INDIVIDUAL COMPONENTS | | | | |
|---|---|---|---|---|
| | Urethane Shackle bush kit | 1 | **TDUK-018** | $ Kt |
| | U-Bolt kit | 2 | **TDUB-017** | $ Kt |
| | Greaseable Shackle kit | 1 | **TDGS-357** | $ Kt |
| | Greaseable Pin kit | 1 | **TDGP-354** | $ Kt |
| | Brake Bias Bracket -Must be included | 1 | **TDSP-014** | $ Ea |

| FRONT REPLACEMENT BUSHES (QTY PER SHOCK) | | | | |
|---|---|---|---|---|
| | Fits top pin | 2 | **TW959** | $ Ea |
| | Fits bottom eyering | 1 | **ADJ00191** | $ Ea |

| REAR REPLACEMENT BUSHES (QTY PER SHOCK) | | | | |
|---|---|---|---|---|
| | Rear top & bottom eyering | 2 | **ADJ00191** | $ Ea |

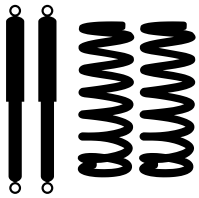
# TOYOTA
## LANDCRUISER 76 SERIES 2007 ON
**EST. LIFT FRONT: 50MM | REAR: 50MM**

TOUGH DOG 4WD Suspension ... Making Tracks Across the World

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.

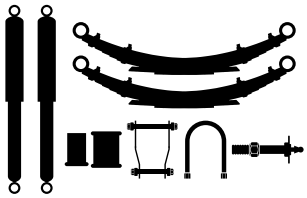


| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Coil Springs | 1 | Pr |
| Panhard Rod (Optional) | 1 | Ea |
| Castor Correction (Optional) | 1 | Kt |
| Steering Damper (Optional) | 1 | Ea |
| Offset King Pin (Optional) | 1 | Ea |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Leaf Spring | 2 | Ea |
| Urethane Shackle bushes | 1 | Kt |
| U-Bolt kits | 2 | Kt |
| Greaseable Shackle kit | 1 | Kt |
| Greaseable Pin kit | 1 | Kt |
| Bellows Airbags (Optional) | 1 | Kt |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | Up to 50mm Lift | 2 | **FC41050** | $ Ea |
| | **40MM ADJUSTABLE - SHOCK ABSORBER** | | | |
| | Up to 50mm Lift | 2 | **BM401050** | $ Ea |
| | **45MM ADJUSTABLE - SHOCK ABSORBER** | | | |
| | Only 50mm Lift | 2 | **BMX1050/2** | $ Ea |
| | 75mm Lift | 2 | **BMX1050/3** | $ Ea |
| | **RALPH - SHOCK ABSORBER** | | | |
| | Up to 50mm Lift | 2 | **TDR1050** | $ Ea |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | Up to 50mm Lift | 2 | **FC41377** | $ Ea |
| | **40MM ADJUSTABLE - SHOCK ABSORBER** | | | |
| | Up to 50mm Lift | 2 | **BM401377** | $ Ea |
| | **45MM ADJUSTABLE - SHOCK ABSORBER** | | | |
| | Only 50mm Lift | 2 | **BMX1377/2** | $ Ea |
| | 75mm Lift | 2 | **BMX1377/3** | $ Ea |
| | **RALPH - SHOCK ABSORBER** | | | |
| | Up to 50mm Lift | 2 | **TDR1377** | $ Ea |

| COIL SPRINGS | | | | |
|---|---|---|---|---|
| | OE Height - Up to Steel Bar | 1 | **TDC950SL** | $ Pr |
| | 50mm Lift - Up to Steel Bar | 1 | **TDC950L** | $ Pr |
| | 50mm Lift - With Steel Bar & Winch | 1 | **TDC950HL** | $ Pr |
| | 75mm Lift - With bar & Winch | 1 | **TDC950/3H** | $ Pr |

| LEAF SPRINGS | | | | |
|---|---|---|---|---|
| | 0-300kg load | 2 | **FS761** | $ Ea |
| | CONSTANT 300kg load | 2 | **FS761M** | $ Ea |
| | CONSTANT 500kg load | 2 | **FS761HM** | $ Ea |

# TOYOTA
## LANDCRUISER
## 76 SERIES
## 2007 ON
**EST. LIFT FRONT: 50MM | REAR: 50MM**

TOUGH DOG 4WD Suspension ... Making Tracks Across the World

## FRONT

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **STEERING DAMPERS** | | | | |
| | HD Steering Damper | 1 | **EXT5004** | $ Ea |
| | Return to Center | 1 | **SS5004-P/S** | $ Ea |
| | 9 Stage Adjustable | 1 | **SV5004** | $ Ea |
| **CASTER CORRECTION** | | | | |
| | 2 Degree | 1 | **TDUK-054/2** | $ Kt |
| | 3 Degree | 1 | **TDUK-054/3** | $ Kt |
| **PANHARD RODS** | | | | |
| | Adjustable | 1 | **TDPR-015** | $ Ea |
| **OFFSET KING PINS** | | | | |
| | 0.5 Degree | 1 | **TAK-8005** | $ Ea |
| | 0.75 Degree | 1 | **TAK-8075** | $ Ea |
| | 1.0 Degree | 1 | **TAK-8001** | $ Ea |
| **FRONT INDIVIDUAL COMPONENTS** | | | | |
| | 30mm Urethane Spring spacer | 1 | **TDUK-1961/30** | $ Ea |
| | Swaybar spacer kit | 1 | **TDSP-013** | $ Ea |
| | Use if tailshaft contacts | | | |
| | Swaybar 33mm | 1 | **TDSB-007** | $ Ea |
| **FRONT REPLACEMENT BUSHES (QTY PER SHOCK)** | | | | |
| | Fits top & bottom pin | 4 | **TW957** | $ Ea |

## REAR

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **AIR ASSIST - BELLOWS** | | | | |
| | Bellows Bag kit - OEM Height | 1 | **TDAA-121** | $ Kt |
| | Bellows Bag kit - Up to 75mm lift | 1 | **TDAA-115** | $ Kt |
| | **Note:** Separate Air Assist components can be viewed on page 14. | | | |
| **AIR ASSIST - BELLOWS WIRELESS AIR SYSTEM** | | | | |
| | Wireless Air System Suits Bellows Airbags | 1 | **TDAS-001** | $ Kt |
| **REAR INDIVIDUAL COMPONENTS** | | | | |
| | Urethane Shackle Bush kit - Pre 01/2017 | 1 | **TDUK-048** | $ Kt |
| | **Note:** TDUK-048 OEM replacement bush kit Pre 1/17. All use when fitted TDGS-387/18 and TDGP-388. | | | |
| | U-Bolt kit | 2 | **TDUB-024** | $ Kt |
| | Greaseable Shackle kit | 1 | **TDGS-387/18** | $ Kt |
| | Greaseable Pin kit | 1 | **TDGP-388** | $ Kt |
| | Urethane Shackle bush kit - Post 1/2017 | 1 | **TDUK-048/14** | $ Kt |
| | **Note:** TDUK-048/14 OEM replacement bush kit Post 1/2017 - Only. All when reusing OEM pins and shackle. | | | |
| | Brake Bias Bkt Suits Up to 01/2017 | 1 | **TDSP-014** | $ Kt |
| | **Note:** TDSPR-014 Must be fitted to all kits before 1/2017. | | | |
| | Handbrake Relocation Bkt | 1 | **TDSP-015** | $ Kt |
| | **Note:** TDSP-015 Must be fitted when using BMX/ TDR Shock in the rear. | | | |
| **REAR REPLACEMENT BUSHES (QTY PER SHOCK)** | | | | |
| | Fits top & bottom eyering | 2 | **ADJ00191** | $ Ea |

ALL PRICES EXCLUDE FREIGHT. INCLUDE ONLY PERMANENT ACCESSORIES & WEIGHTS WHEN SELECTING SPRINGS. TOWING WEIGHT IS NOT INCLUDED

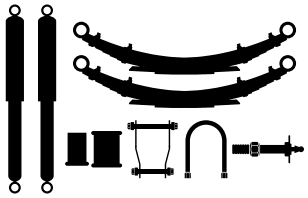
# TOYOTA
## LANDCRUISER 77 SERIES 1993-1999
**EST. LIFT FRONT: 50MM | REAR: 50MM**

TOUGH DOG 4WD Suspension ... Making Tracks Across the World

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.

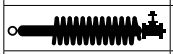
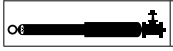


| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Leaf Spring | 2 | Ea |
| Leaf Spring Fitment Kit | 1 | Kt |
| Steering Damper (Optional) | 1 | Ea |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | OE Height | 2 | **FC41113B** | $ Ea |
| | 50mm Lift | 2 | **FC41163B** | $ Ea |
| | **40MM ADJUSTABLE - SHOCK ABSORBER** | | | |
| | 50mm Lift | 2 | **BM401163** | $ Ea |
| | **45MM ADJUSTABLE - SHOCK ABSORBER** | | | |
| | 50mm Lift | 2 | **BMX1163/2** | $ Ea |
| | **RALPH - SHOCK ABSORBER** | | | |
| | 50mm Lift | 2 | **TDR1163B** | $ Ea |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **LEAF SPRINGS** | | | | |
| | Up to Steel Bar | 2 | **T52** | $ Ea |
| | With Steel Bar & Winch | 2 | **T52H** | $ Ea |

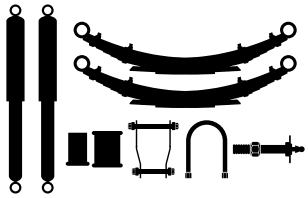
| CONTENT | DESCRIPTION | QTY | PART NO | | RRP |
|---|---|---|---|---|---|
| **LEAF SPRINGS** | | | | | |
| | Urethane Shackle bush kit | 1 | **TDFK-029** | TDUK-012 | $ Kt |
| | U-Bolt kit | | | TDUB-019 | |
| | Greaseable Shackle kit | | | TDGS-348 | |
| | Greaseable Pin kit | | | TDGP-351 | |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **STEERING DAMPERS** | | | | |
|  | Heavy Duty Damper | 1 | **EXT5001** | $ Ea |
|  | Return to Center | 1 | **SS5001-P/S** | $ Ea |
|  | 9 Stage Adjustable | 1 | **SV5001** | $ Ea |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Leaf Spring | 2 | Ea |
| Leaf Spring Fitment Kit | 1 | Kt |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | Up to 50mm Lift | 2 | **FC41377** | $ Ea |
| | **40MM ADJUSTABLE - SHOCK ABSORBER** | | | |
| | Up to 50mm Lift | 2 | **BM401377** | $ Ea |
| | **45MM ADJUSTABLE - SHOCK ABSORBER** | | | |
| | Only 50mm Lift | 2 | **BMX1377/2** | $ Ea |
| | **RALPH - SHOCK ABSORBER** | | | |
| | Up to 50mm Lift | 2 | **TDR1377** | $ Ea |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **LEAF SPRINGS** | | | | |
| | 0-300kg load | 2 | **FS761** | $ Ea |
| | CONSTANT 300kg load | 2 | **FS761M** | $ Ea |

| CONTENT | DESCRIPTION | QTY | PART NO | | RRP |
|---|---|---|---|---|---|
| **LEAF SPRINGS** | | | | | |
| | Urethane Shackle bush kit | 1 | **TDFK-034** | TDUK-018 | $ Kt |
| | U-Bolt kit | | | TDUB-017 | |
| | Greaseable Shackle kit | | | TDGS-357 | |
| | Greaseable Pin kit | | | TDGP-354 | |

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

# TOYOTA
## LANDCRUISER
## 77 SERIES
## 1993-1999
**EST. LIFT FRONT: 50MM | REAR: 50MM**

## FRONT

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FRONT INDIVIDUAL COMPONENTS** | | | | |
| | Urethane Shackle bush kit | 1 | **TDUK-012** | $ Kt |
| | U-Bolt kit | 2 | **TDUB-019** | $ Kt |
| | Greaseable Shackle kit | 1 | **TDGS-348** | $ Kt |
| | Greaseable Pin kit | 1 | **TDGP-351** | $ Kt |

## REAR

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **REAR INDIVIDUAL COMPONENTS** | | | | |
| | Urethane Shackle bush kit | 1 | **TDUK-018** | $ Kt |
| | U-Bolt kit | 2 | **TDUB-017** | $ Kt |
| | Greaseable Shackle kit | 1 | **TDGS-357** | $ Kt |
| | Greaseable Pin kit | 1 | **TDGP-354** | $ Kt |

| FRONT REPLACEMENT BUSHES (QTY PER SHOCK) | | | | |
|---|---|---|---|---|
| | Fits top pin | 2 | **TW959** | $ Ea |
| | Fits bottom eyering | 1 | **ADJ00191** | $ Ea |

| REAR REPLACEMENT BUSHES (QTY PER SHOCK) | | | | |
|---|---|---|---|---|
| | Fits top & bottom eyering | 2 | **ADJ00191** | $ Ea |

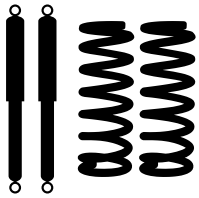
# TOYOTA

**LANDCRUISER**
**78 SERIES (WITH COIL SPRING)**
**KZ78 (INTERNATIONAL)**
**EST. LIFT FRONT: 50MM | REAR: 50MM**

## FRONT

### FRONT SUSPENSION CHECK LIST

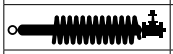
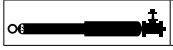
You need to order the following items for the front end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Coil Springs | 1 | Pr |
| Steering Damper (Optional) | 1 | Ea |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | 50mm Lift | 2 | **FC41254** | $ Ea |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | 50mm Lift | 2 | **BM401254** | $ Ea |

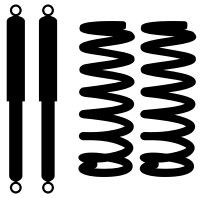
| COIL SPRINGS | | | | |
|---|---|---|---|---|
| | Up to Steel Bar | 1 | **TDC960L** | $ Pr |
| | With Bar & Winch | 1 | **TDC960HL** | $ Pr |

| STEERING DAMPERS | | | | |
|---|---|---|---|---|
| | Heavy Duty Damper | 1 | **EXT5001** | $ Ea |
|  | Return to Center | 1 | **SS5001-P/S** | $ Ea |
|  | 9 Stage Adjustable | 1 | **SV5001** | $ Ea |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Coil Springs | 1 | Pr |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | 50mm Lift | 2 | **FC41255** | $ Ea |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | 50mm Lift | 2 | **BM401255** | $ Ea |

| COIL SPRINGS | | | | |
|---|---|---|---|---|
| | 0-300kg load | 1 | **TDC961L** | $ Pr |
| | CONSTANT 300kg load | 1 | **TDC961HL** | $ Pr |

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

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# TOYOTA

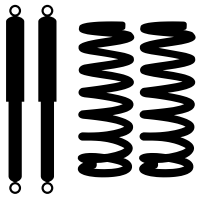
**LANDCRUISER**
**78, 79 SERIES (SINGLE CAB)**
**10/1999 ON**
**EST. LIFT FRONT: 50MM | REAR: 50MM**

TOUGH DOG 4WD Suspension ... Making Tracks Across the World

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.

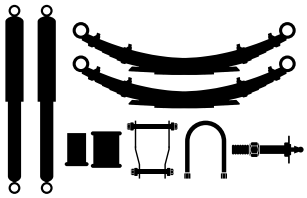


| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Coil Springs | 1 | Pr |
| Panhard Rod (Optional) | 1 | Ea |
| Castor Correction (Optional) | 1 | Kt |
| Steering Damper (Optional) | 1 | Ea |
| Offset King Pin (Optional) | 1 | Ea |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Leaf Spring | 2 | Ea |
| Urethane Shackle Bushes | 1 | Kt |
| U-Bolts Kits | 1 | Kt |
| Greaseable Shackle Kit | 1 | Kt |
| Greaseable Pin Kit | 1 | Kt |
| Bellow Airbags (Optional) | 1 | Kt |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| | **FOAM CELL - SHOCK ABSORBER** | | | |
| | Up to 50mm Lift | 2 | **FC41050** | $ Ea |
| | 75mm /3" Lift | 2 | **FC41050/3** | $ Ea |
| | 100mm /4" Lift | 2 | **FC41050/4** | $ Ea |
| | **40MM ADJUSTABLE - SHOCK ABSORBER** | | | |
| | Up to 50mm Lift | 2 | **BM401050** | $ Ea |
| | 75mm /3" Lift | 2 | **BM401050/3** | $ Ea |
| | **45MM ADJUSTABLE - SHOCK ABSORBER** | | | |
| | Only 50mm Lift | 2 | **BMX1050/2** | $ Ea |
| | 75mm /3" Lift | 2 | **BMX1050/3** | $ Ea |
| | 100mm /4" Lift | 2 | **BMX1050/4** | $ Ea |
| | **RALPH - SHOCK ABSORBER** | | | |
| | Up to 50mm Lift | 2 | **TDR1050** | $ Ea |
| | 75mm /3" Lift | 2 | **TDR1050/3** | $ Ea |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| | **FOAM CELL - SHOCK ABSORBER** | | | |
| | Up to 50mm Lift | 2 | **FC41377** | $ Ea |
| | 75mm /3" Lift | 2 | **FC41377/3** | $ Ea |
| | 100mm /4" Lift | 2 | **FC41377/4** | $ Ea |
| | **40MM ADJUSTABLE - SHOCK ABSORBER** | | | |
| | Up to 50mm Lift | 2 | **BM401377** | $ Ea |
| | 75mm /3" Lift | 2 | **BM401377/3** | $ Ea |
| | **45MM ADJUSTABLE - SHOCK ABSORBER** | | | |
| | Only 50mm Lift | 2 | **BMX1377/2** | $ Ea |
| | 75mm /3" Lift | 2 | **BMX1377/3** | $ Ea |
| | 100mm /4" Lift | 2 | **BMX1377/4** | $ Ea |
| | **RALPH - SHOCK ABSORBER** | | | |
| | Up to 50mm Lift | 2 | **TDR1377** | $ Ea |

### COIL SPRINGS

| | | | |
|---|---|---|---|
| OE Height - Up to Steel Bar | 1 | **TDC950SL** | $ Pr |
| 50mm Lift - Up to Steel Bar | 1 | **TDC950L** | $ Pr |
| 50mm Lift - With Steel Bar & Winch | 1 | **TDC950HL** | $ Pr |
| 75mm Lift - With Bar & Winch | 1 | **TDC950/3H** | $ Pr |

### LEAF SPRINGS

| | | | |
|---|---|---|---|
| 0-200kg load | 2 | **BP-019** | $ Ea |
| CONSTANT 400kg load | 1 | **FS781-LH** | $ Ea |
| | 1 | **FS781-RH** | $ Ea |
| CONSTANT 600kg load | 1 | **FS781HM-LH** | $ Ea |
| | 1 | **FS781HM-RH** | $ Ea |
| CONSTANT 900kg load | 1 | **FS781XHD-LH** | $ Ea |
| | 1 | **FS781XHD-RH** | $ Ea |

IF FS781XHD springs selected, then select 1 X TDSB-008 as well

### OFFSET KING PINS

| | | | |
|---|---|---|---|
| 0.5 Degree | 1 | **TAK-8005** | $ Ea |
| 0.75 Degree | 1 | **TAK-8075** | $ Ea |
| 1.0 Degree | 1 | **TAK-8001** | $ Ea |

### AIR ASSIST - BELLOWS

| | | | |
|---|---|---|---|
| Bellows Bag - OEM Height | 1 | **TDAA-121** | $ Kt |
| Bellows Bag - Up to 75mm lift | 1 | **TDAA-115** | $ Kt |

**Note:** Separate Air Assist components can be viewed on page 14.

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

# TOYOTA

**LANDCRUISER**
**78, 79 SERIES (SINGLE CAB)**
**10/1999 ON**
**EST. LIFT FRONT: 50MM | REAR: 50MM**

TOUGH DOG 4WD Suspension ... Making Tracks Across the World

## FRONT

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **STEERING DAMPERS - 6 CYLINDER** | | | | |
| | HD Steering Damper | 1 | EXT5001 | $ Ea |
| | Return to Center | 1 | SS5001-P/S | $ Ea |
| | 9 Stage Adjustable | 1 | SV5001 | $ Ea |
| **STEERING DAMPERS - V8 MODELS** | | | | |
| | Heavy Duty damper | 1 | EXT5004 | $ Ea |
| | Return to Center | 1 | SS5004-P/S | $ Ea |
| | 9 Stage Adjustable | 1 | SV5004 | $ Ea |

## REAR

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **AIR ASSIST - BELLOWS WIRELESS AIR SYSTEM** | | | | |
| | Wireless Air System Suits Bellows Airbags | 1 | TDAS-001 | $ Kt |

## SWAY BARS

| | | | | |
|---|---|---|---|---|
| | 33MM Sway Bar - V8 Vehicles only | 1 | TDSB-007 | $ Ea |
| | 33MM Sway Bar - 6 Cylinder only | 1 | TDSB-011 | $ Ea |
| | Front sway bar spacer kit-If tailshaft contacts | 1 | TDSP-013 | $ Ea |

## SWAY BARS

| | | | | |
|---|---|---|---|---|
| | Sway Bar - Fit with CONSTANT 900kg Springs | 1 | TDSB-008 | $ Ea |
| | Sway Bar - Fit with CONSTANT 900kg Springs - 5 Star Ancap only 9/2016 - On | 1 | TDSB-012 | $ Ea |
| **Note:** Swaybar does not suit 6 Cylinder, only V8 Models. | | | | |
| | Replacement bush for Sway bar | 1 | TDUK-033 | $ Kt |

## CASTER CORRECTION

| | | | | |
|---|---|---|---|---|
| | 2 Degree | 1 | TDUK-054/2 | $ Kt |
| | 3 Degree | 1 | TDUK-054/3 | $ Kt |

## PANHARD RODS

| | | | | |
|---|---|---|---|---|
| | Adjustable - 6 Cylinder | 1 | TDPR-079 | $ Ea |
| | Adjustable - V8 Up to 08/2016 | 1 | TDPR-015 | $ Ea |
| | Adjustable - V8 09/2016 on | 1 | TDPR-006 | $ Ea |
| | Adjustable - 6 Cylinder LHD Only | 1 | TDPR-019 | $ Ea |
| | Adjustable - V8 LHD Only | 1 | TDPR-025 | $ Ea |
| | Panhard rod replacement bushes | 1 | TDUK-043 | $ Kt |

## REAR INDIVIDUAL COMPONENTS

| | | | | |
|---|---|---|---|---|
| | Urethane Shackle bush kit - Suit V8 with greaseable pins & shackles | 1 | TDUK-048 | $ Kt |
| | U-Bolt kit (230mm long) | 2 | TDUB-024 | $ Kt |
| | U-Bolt kit (290mm long) - use with FS781XHD | 2 | TDUB-038 | $ Kt |
| | Greaseable Shackle kit | 1 | TDGS-387/18 | $ Kt |
| | Greaseable Pin Kit | 1 | TDGP-388 | $ Kt |
| | Brake bias bracket - Not req after 1/17 | 1 | TDSP-014 | $ Ea |
| | Handbrake relocation bracket - Must be fitted with BMX OR TDR shocks | 1 | TDSP-015 | $ Ea |
| | Urethane Shackle bush kit-Suit Ute before 6/09 w/standard pins & shackles | 1 | TDUK-048/14 | $ Kt |
| | Urethane Shackle bush kit-Suit T/ Carrier before 6/09 W/standard pins & shackles | 1 | TDUK-048/18 | $ Kt |

## FRONT REPLACEMENT BUSHES (QTY PER SHOCK)

| | | | | |
|---|---|---|---|---|
| | Fits top & bottom pin | 4 | TW957 | $ Ea |
| | Urethane Spring Spacer 30mm | 1 | TDUK-1961/30 | $ Ea |

## REAR REPLACEMENT BUSHES (QTY PER SHOCK)

| | | | | |
|---|---|---|---|---|
| | Fits top & bottom eyering | 2 | ADJ00191 | $ Ea |

ALL PRICES EXCLUDE FREIGHT. INCLUDE ONLY PERMANENT ACCESSORIES & WEIGHTS WHEN SELECTING SPRINGS. TOWING WEIGHT IS NOT INCLUDED

# TOYOTA

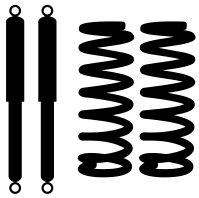
**LANDCRUISER**
**78, 79 SERIES (DUAL CAB)**
**2012 ON**
**EST. LIFT FRONT: 50MM | REAR: 50MM**

TOUGH DOG 4WD Suspension ... Making Tracks Across the World

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.

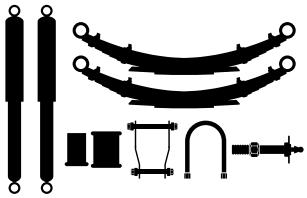


| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Coil Springs | 1 | Pr |
| Panhard Rod (Optional) | 1 | Ea |
| Castor Correction (Optional) | 1 | Kt |
| Steering Damper (Optional) | 1 | Ea |
| Offset King Pin (Optional) | 1 | Ea |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Leaf Spring | 2 | Ea |
| Urethane Shackle Bushes | 1 | Kt |
| U-Bolts Kits | 1 | Kt |
| Greaseable Shackle Kit | 1 | Kt |
| Greaseable Pin Kit | 1 | Kt |
| Bellow Airbags (Optional) | 1 | Kt |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| | **FOAM CELL - SHOCK ABSORBER** | | | |
| | Up to 50mm Lift | 2 | **FC41050** | $ Ea |
| | 75mm /3" Lift | 2 | **FC41050/3** | $ Ea |
| | 100mm /4" Lift | 2 | **FC41050/4** | $ Ea |
| | **40MM ADJUSTABLE - SHOCK ABSORBER** | | | |
| | Up to 50mm Lift | 2 | **BM401050** | $ Ea |
| | 75mm /3" Lift | 2 | **BM401050/3** | $ Ea |
| | **45MM ADJUSTABLE - SHOCK ABSORBER** | | | |
| | Only 50mm Lift | 2 | **BMX1050/2** | $ Ea |
| | 75mm /3" Lift | 2 | **BMX1050/3** | $ Ea |
| | 100mm /4" Lift | 2 | **BMX1050/4** | $ Ea |
| | **RALPH - SHOCK ABSORBER** | | | |
| | 50mm Lift | 2 | **TDR1050** | $ Ea |
| | 75mm /3" Lift | 2 | **TDR1050/3** | $ Ea |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| | **FOAM CELL - SHOCK ABSORBER** | | | |
| | Up to 50mm Lift | 2 | **FC41377** | $ Ea |
| | 75mm /3" Lift | 2 | **FC41377/3** | $ Ea |
| | 100mm /4" Lift | 2 | **FC41377/4** | $ Ea |
| | **40MM ADJUSTABLE - SHOCK ABSORBER** | | | |
| | Up to 50mm Lift | 2 | **BM401377** | $ Ea |
| | 75mm /3" Lift | 2 | **BM401377/3** | $ Ea |
| | **45MM ADJUSTABLE - SHOCK ABSORBER** | | | |
| | Only 50mm Lift | 2 | **BMX1377/2** | $ Ea |
| | 75mm /3" Lift | 2 | **BMX1377/3** | $ Ea |
| | 100mm /4" Lift | 2 | **BMX1377/4** | $ Ea |
| | **RALPH - SHOCK ABSORBER** | | | |
| | 50mm Lift | 2 | **TDR1377** | $ Ea |

### COIL SPRINGS

| | | | |
|---|---|---|---|
| OE Height - Up to Steel Bar | 1 | **TDC950SL** | $ Pr |
| 50mm Lift - Up to Steel Bar | 1 | **TDC950L** | $ Pr |
| 50mm Lift - With Steel Bar & Winch | 1 | **TDC950HL** | $ Pr |
| 75mm Lift - With Bar & Winch | 1 | **TDC950/3H** | $ Pr |

### LEAF SPRINGS

| | | | |
|---|---|---|---|
| CONSTANT 300kg load | 1 | **FS781-LH** | $ Ea |
| | 1 | **FS781-RH** | $ Ea |
| CONSTANT 500kg load | 1 | **FS781HM-LH** | $ Ea |
| | 1 | **FS781HM-RH** | $ Ea |
| CONSTANT 800kg load | 1 | **FS781XHD-LH** | $ Ea |
| | 1 | **FS781XHD-RH** | $ Ea |

IF FS781XHD springs selected, then select 1 X TDSB-008 as well

### STEERING DAMPERS - V8 MODELS

| | | | |
|---|---|---|---|
| Heavy Duty damper | 1 | **EXT5004** | $ Ea |
| Return to Center | 1 | **SS5004-P/S** | $ Ea |
| 9 Stage Adjustable | 1 | **SV5004** | $ Ea |

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

# TOYOTA

**LANDCRUISER**
**78, 79 SERIES (DUAL CAB)**
**2012 ON**
**EST. LIFT FRONT: 50MM | REAR: 50MM**

TOUGH DOG 4WD Suspension ... Making Tracks Across the World

## FRONT

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **SWAY BARS** | | | | |
| | 33MM Sway Bar - V8 Vehicles only | 1 | TDSB-007 | $ Ea |
| | Front sway bar spacer kit - If tailshaft contacts | 1 | TDSP-013 | $ Ea |

## REAR

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **SWAY BARS** | | | | |
| | Sway Bar - Fit with CONSTANT 900kg Springs | 1 | TDSB-008 | $ Ea |
| | Replacement bush for Sway bar | 1 | TDUK-033 | $ Kt |

## OFFSET KING PINS

| | | | | |
|---|---|---|---|---|
| | 0.5 Degree | 1 | TAK-8005 | $ Ea |
| | 0.75 Degree | 1 | TAK-8075 | $ Ea |
| | 1.0 Degree | 1 | TAK-8001 | $ Ea |

## AIR ASSIST - BELLOWS

| | | | | |
|---|---|---|---|---|
| | Bellows Bag - OEM Height | 1 | TDAA-121 | $ Kt |
| | Bellows Bag - Up to 75mm lift | 1 | TDAA-115 | $ Kt |

**Note:** Separate Air Assist components can be viewed on page 14.

## AIR ASSIST - BELLOWS WIRELESS AIR SYSTEM

| | | | | |
|---|---|---|---|---|
| | Wireless Air System Suits Bellows Airbags | 1 | TDAS-001 | $ Kt |

## CASTER CORRECTION

| | | | | |
|---|---|---|---|---|
| | 2 Degree | 1 | TDUK-054/2 | $ Kt |
| | 3 Degree | 1 | TDUK-054/3 | $ Kt |

## PANHARD RODS

| | | | | |
|---|---|---|---|---|
| | Adjustable - V8 RHD Only | 1 | TDPR-015 | $ Ea |
| | Adjustable - V8 LHD Only | 1 | TDPR-025 | $ Ea |

## REAR INDIVIDUAL COMPONENTS

| | | | | |
|---|---|---|---|---|
| | Urethane Shackle bush kit-Suit V8 w/ greaseable pins & shackles | 1 | TDUK-048 | $ Kt |
| | U-Bolt kit (230mm long) | 2 | TDUB-024 | $ Kt |
| | U-Bolt kit (290mm long) - use with FS781XHD | 2 | TDUB-038 | $ Kt |
| | Greaseable Shackle kit | 1 | TDGS-387/18 | $ Kt |
| | Greaseable Pin Kit | 1 | TDGP-388 | $ Kt |
| | Brake bias bracket - Not req after 1/17 | 1 | TDSP-014 | $ Ea |
| | Handbrake relocation bracket - Fit with BMX OR TDR shocks | 1 | TDSP-015 | $ Ea |

## FRONT REPLACEMENT BUSHES (QTY PER SHOCK)

| | | | | |
|---|---|---|---|---|
| | Fits top & bottom pin | 4 | TW957 | $ Ea |
| | Urethane Spring Spacer 30mm | 1 | TDUK-1961/30 | $ Ea |

## REAR REPLACEMENT BUSHES (QTY PER SHOCK)

| | | | | |
|---|---|---|---|---|
| | Fits top & bottom eyering | 2 | ADJ00191 | $ Ea |

**FOR GVM UPGRADES, SEE PAGE 240**

ALL PRICES EXCLUDE FREIGHT. INCLUDE ONLY PERMANENT ACCESSORIES & WEIGHTS WHEN SELECTING SPRINGS. TOWING WEIGHT IS NOT INCLUDED

# TOYOTA LANDCRUISER UTE 79 SERIES

V8 ENGINE ONLY, 2007 - 09/2022

FROM **3300KG*** TO **3950KG***

The 79 Series Ute continues to stand out from the pack with its indestructible design and unparalleled power. Give it the upgrade it needs to take you into unchartered territory with a Tough Dog GVM Upgrade!

## WHAT YOU GET:

- EXTRA PAYLOAD **650KG**
- UPGRADED SUSPENSION
- IMPROVED HANDLING & LOAD CARRYING

### VEHICLE SPECIFICATIONS

| DESCRIPTION | ORIGINAL EQUIPMENT | TOUGH DOG |
|---|---|---|
| FRONT AXLE RATING | 1480KG | **1540KG** |
| REAR AXLE RATING | 2300KG | **2410KG** |
| GROSS VEHICLE MASS (GVM) SINGLE CAB | 3400KG* | **3950KG** |
| GROSS VEHICLE MASS (GVM) DUAL CAB | 3300KG | **3950KG** |
| TOWING CAPACITY (BRAKED) | 3500KG | **3500KG** |
| GROSS COMBINED MASS (GCM) SINGLE CAB | 6900KG* | **6900KG** |
| GROSS COMBINED MASS (GCM) DUAL CAB | 6800KG | **6800KG** |

• Payload increase is based on model variant.
*09/2016 On

**TOUGH DOG GVM UPGRADES CAN ONLY BE ORDERED THROUGH A TOUGH DOG APPROVED GVM DEALER**

V8 ENGINE ONLY, 2007 - 09/2022

| DESCRIPTION | GVM UPGRADE | PART NO | RRP |
|---|---|---|---|
| SHOCKS: FOAM CELL | 3950KG | TDGVM-044 | |
| SHOCKS: FOAM CELL \| REAR: 700KG MIN. LOAD | 3950KG | TDGVM-045 | |
| SHOCKS: RALPH | 3950KG | TDGVM-068 | |
| SHOCKS: RALPH \| REAR: 700KG MIN. LOAD | 3950KG | TDGVM-069 | |

TOUGH DOG GVM
CARRYING LOADS ACROSS AUSTRALIA

## LOGIN INTO THE DEALER PORTAL TO START YOUR GVM ORDER!

**WWW.TOUGHDOG.COM.AU/DEALER/PORTALHOME**

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

# TOYOTA LANDCRUISER TROOPY 78 SERIES

*V8 ENGINE ONLY, 2007 - 09/2022*

FROM **3300KG** TO **3950KG**

The LandCruiser is still the King off the road, and the 78 Series is built for one specific purpose; hard work. Take the proven capabilities of your workhorse to the next level, with a Tough Dog GVM Upgrade!

## WHAT YOU GET:

- ***EXTRA PAYLOAD 650KG***
- ***UPGRADED SUSPENSION***
- ***IMPROVED HANDLING & LOAD CARRYING***

**VEHICLE SPECIFICATIONS**

| DESCRIPTION | ORIGINAL EQUIPMENT | TOUGH DOG |
|---|---|---|
| FRONT AXLE RATING | 1480KG | **1540KG** |
| REAR AXLE RATING | 2300KG | **2410KG** |
| GROSS VEHICLE MASS (GVM) | 3300KG | **3950KG** |
| TOWING CAPACITY (BRAKED) | 3500KG | **3500KG** |
| GROSS COMBINED MASS (GCM) | 6800KG | **6800KG** |

• Payload increase is based on model variant.

**TOUGH DOG GVM UPGRADES CAN ONLY BE ORDERED THROUGH A TOUGH DOG APPROVED GVM DEALER**

**V8 ENGINE ONLY, 2007 - 09/2022**

| DESCRIPTION | GVM UPGRADE | PART NO | RRP |
|---|---|---|---|
| SHOCKS: FOAM CELL | 3950KG | TDGVM-044 | |
| SHOCKS: FOAM CELL \| REAR: 700KG MIN. LOAD | 3950KG | TDGVM-045 | |
| SHOCKS: RALPH | 3950KG | TDGVM-068 | |
| SHOCKS: RALPH \| REAR: 700KG MIN. LOAD | 3950KG | TDGVM-069 | |

## LOGIN INTO THE DEALER PORTAL TO START YOUR GVM ORDER!

**WWW.TOUGHDOG.COM.AU/DEALER/PORTALHOME**

ALL PRICES EXCLUDE FREIGHT. INCLUDE ONLY PERMANENT ACCESSORIES & WEIGHTS WHEN SELECTING SPRINGS. TOWING WEIGHT IS NOT INCLUDED

# TOYOTA LANDCRUISER UTE 79 SERIES

V8 ENGINE ONLY, 09/2022 ON

FROM **3510KG** UP TO **4200KG†**

The 79 Series Ute continues to stand out from the pack with its indestructible design and unparalleled power. Give it the upgrade it needs to take you into unchartered territory with a Tough Dog GVM Upgrade!

## WHAT YOU GET:

- EXTRA PAYLOAD UP TO **690KG**
- UPGRADED SUSPENSION
- IMPROVED HANDLING & LOAD CARRYING

### VEHICLE SPECIFICATIONS

| DESCRIPTION | ORIGINAL EQUIPMENT | TOUGH DOG |
|---|---|---|
| FRONT AXLE RATING | 1480KG | **1650KG** |
| REAR AXLE RATING | 2300KG | **2430KG / 2550KG†** |
| GROSS VEHICLE MASS (GVM) SINGLE CAB | 3510KG | **3950KG / 4200KG†** |
| GROSS VEHICLE MASS (GVM) DUAL CAB | 3510KG | **3950KG / 4200KG†** |
| TOWING CAPACITY (BRAKED) | 3500KG | **3500KG** |
| GROSS COMBINED MASS (GCM) SINGLE CAB | 6900KG | **6900KG** |
| GROSS COMBINED MASS (GCM) DUAL CAB | 6800KG | **6800KG** |

• Payload increase is based on model variant.
† a Minimum 'Tyre Load Rating Index' of 117 is required to achieve 4200KG GVM Upgrade.

**TOUGH DOG GVM UPGRADES CAN ONLY BE ORDERED THROUGH A TOUGH DOG APPROVED GVM DEALER**

V8 ENGINE ONLY, 09/2022 ON

| DESCRIPTION | GVM UPGRADE | PART NO | RRP |
|---|---|---|---|
| SHOCKS: FOAM CELL | 3950KG / 4200KG† | TDGVM-070 | |
| SHOCKS: FOAM CELL \| REAR: 700KG MIN. LOAD | 3950KG / 4200KG† | TDGVM-071 | |
| SHOCKS: RALPH | 3950KG / 4200KG† | TDGVM-072 | |
| SHOCKS: RALPH \| REAR: 700KG MIN. LOAD | 3950KG / 4200KG† | TDGVM-073 | |

TOUGH DOG GVM
CARRYING LOADS ACROSS AUSTRALIA

## LOGIN INTO THE DEALER PORTAL TO START YOUR GVM ORDER!

**WWW.TOUGHDOG.COM.AU/DEALER/PORTALHOME**

# TOYOTA LANDCRUISER TROOPY 78 SERIES

V8 ENGINE ONLY, 09/2022 ON

FROM **3510KG** TO **3950KG**

The LandCruiser is still the King off the road, and the 78 Series is built for one specific purpose; hard work. Take the proven capabilities of your workhorse to the next level, with a Tough Dog GVM Upgrade!

## WHAT YOU GET:

- **EXTRA PAYLOAD 440KG**
- **UPGRADED SUSPENSION**
- **IMPROVED HANDLING & LOAD CARRYING**

### VEHICLE SPECIFICATIONS

| DESCRIPTION | ORIGINAL EQUIPMENT | TOUGH DOG |
|---|---|---|
| FRONT AXLE RATING | 1480KG | **1650KG** |
| REAR AXLE RATING | 2300KG | **2430KG** |
| GROSS VEHICLE MASS (GVM) | 3510KG | **3950KG** |
| TOWING CAPACITY (BRAKED) | 3500KG | **3500KG** |
| GROSS COMBINED MASS (GCM) | 6800KG | **6800KG** |

• Payload increase is based on model variant.

**TOUGH DOG GVM UPGRADES CAN ONLY BE ORDERED THROUGH A TOUGH DOG APPROVED GVM DEALER**

V8 ENGINE ONLY, 09/2022 ON

| DESCRIPTION | GVM UPGRADE | PART NO | RRP |
|---|---|---|---|
| SHOCKS: FOAM CELL | 3950KG | TDGVM-070 | |
| SHOCKS: FOAM CELL \| REAR: 700KG MIN. LOAD | 3950KG | TDGVM-071 | |
| SHOCKS: RALPH | 3950KG | TDGVM-072 | |
| SHOCKS: RALPH \| REAR: 700KG MIN. LOAD | 3950KG | TDGVM-073 | |

## LOGIN INTO THE DEALER PORTAL TO START YOUR GVM ORDER!

**WWW.TOUGHDOG.COM.AU/DEALER/PORTALHOME**

# TOYOTA

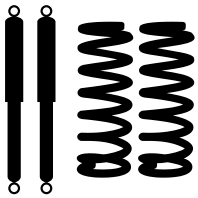
**LANDCRUISER**
**80 & 105 SERIES (2")**
**05/1990-2007**
**EST. LIFT FRONT: 50MM | REAR: 50MM**

TOUGH DOG 4WD Suspension ... Making Tracks Across the World

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Coil Springs | 1 | Pr |
| Panhard Rod (Optional) | 1 | Ea |
| Castor Correction (Optional) | 1 | Kt |
| Steering Damper (Optional) | 1 | Ea |
| Offset King Pin (Optional) | 1 | Ea |

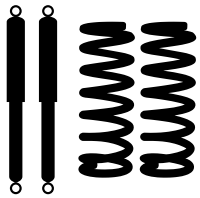
| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| | **FOAM CELL - SHOCK ABSORBER** | | | |
| | Up to 50mm Lift | 2 | **FC41002** | $ Ea |
| | **40MM ADJUSTABLE - SHOCK ABSORBER** | | | |
| | Up to 50mm Lift | 2 | **BM401002** | $ Ea |
| | **45MM ADJUSTABLE - SHOCK ABSORBER** | | | |
| | Only 50mm Lift | 2 | **BMX1002/2** | $ Ea |
| | **RALPH - SHOCK ABSORBER** | | | |
| | Up to 50mm Lift | 2 | **TDR1002B** | $ Ea |

| | | | | |
|---|---|---|---|---|
| **COIL SPRINGS - 25MM LIFT** | | | | |
| 03/1990-1991 80 Series | | | | |
| | No Bar or Alloy Bar - Petrol | 1 | **TDC943S** | $ Pr |
| | Steel Bar - Diesel | 1 | **TDC948L** | $ Pr |
| | Steel Bar & Winch - Petrol or Diesel | 1 | **TDC948HL** | $ Pr |
| **COIL SPRINGS - 50MM LIFT** | | | | |
| 03/1990-1991 80 Series | | | | |
| | Steel Bar - Diesel | 1 | **TDC943** | $ Pr |
| | Steel Bar & Winch - Petrol or Diesel | 1 | **TDC943H** | $ Pr |
| **COIL SPRINGS - 25MM LIFT** | | | | |
| 9/91-98 80 Series & 3/98-07 105 Series | | | | |
| | No Bar or Alloy Bar - Petrol | 1 | **TDC948SL** | $ Pr |
| | Steel Bar - Diesel | 1 | **TDC948HSL** | $ Pr |
| | Steel Bar & Winch - Petrol or Diesel | 1 | **TDC948L** | $ Pr |
| **COIL SPRINGS - 50MM LIFT** | | | | |
| 9/91-98 80 Series & 3/98-07 105 Series | | | | |
| | No Bar or Alloy bar - 80 Series Only | 1 | **TDC943S** | $ Pr |
| | Steel Bar | 1 | **TDC948L** | $ Pr |
| | Steel Bar & Winch | 1 | **TDC948HL** | $ Pr |
| | Steel Bar, Winch & Dual Battery | 1 | **TDC943H** | $ Pr |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Coil Springs | 1 | Pr |
| Panhard Rods (Optional) | 1 | Ea |
| Coil Insert Airbags (Optional) | 1 | Kt |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| | **FOAM CELL - SHOCK ABSORBER** | | | |
| | Up to 50mm Lift | 2 | **FC41111** | $ Ea |
| | **40MM ADJUSTABLE - SHOCK ABSORBER** | | | |
| | Up to 50mm Lift | 2 | **BM401111** | $ Ea |
| | **45MM ADJUSTABLE - SHOCK ABSORBER** | | | |
| | Only 50mm Lift | 2 | **BMX1111/2** | $ Ea |
| | **RALPH - SHOCK ABSORBER** | | | |
| | Up to 50mm Lift | 2 | **TDR1111** | $ Ea |

| | | | | |
|---|---|---|---|---|
| **COIL SPRINGS - 25MM LIFT** | | | | |
| 03/1990-1991 80 Series | | | | |
| | 0-300kg load | 1 | **TDC945S** | $ Pr |
| | CONSTANT 300kg load | 1 | **TDC949L** | $ Pr |
| | CONSTANT 500kg load | 1 | **TDC949HL** | $ Pr |
| **COIL SPRINGS - 50MM LIFT** | | | | |
| 03/1990-1991 80 Series | | | | |
| | 0-300kg load | 1 | **TDC945** | $ Pr |
| | CONSTANT 300kg load | 1 | **TDC945H** | $ Pr |
| **COIL SPRINGS - 25MM LIFT** | | | | |
| 9/91-98 80 Series & 3/98-07 105 Series | | | | |
| | 0-300kg load | 1 | **TDC949SL** | $ Pr |
| | CONSTANT 300kg load | 1 | **TDC949HSL** | $ Pr |
| | CONSTANT 500kg load | 1 | **TDC949L** | $ Pr |
| **COIL SPRINGS - 50MM LIFT** | | | | |
| 9/91-98 80 Series & 3/98-07 105 Series | | | | |
| | No Load | 1 | **TDC945S** | $ Pr |
| | 0-300kg load | 1 | **TDC949L** | $ Pr |
| | CONSTANT 300kg load | 1 | **TDC949HL** | $ Pr |
| | CONSTANT 500kg load | 1 | **TDC945H** | $ Pr |

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

# TOYOTA

**LANDCRUISER**
**80 & 105 SERIES (2")**
**05/1990-2007**
**EST. LIFT FRONT: 50MM | REAR: 50MM**

TOUGH DOG 4WD Suspension ... Making Tracks Across the World

## FRONT

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **CASTER CORRECTION** | | | | |
| | 2 Degree caster correction bush | 1 | TDUK-054/2 | $ Kt |
| **OFFSET KING PINS** | | | | |
| | 0.5 Degree | 1 | TAK-8005 | $ Ea |
| | 0.75 Degree | 1 | TAK-8075 | $ Ea |
| | 1.0 Degree | 1 | TAK-8001 | $ Ea |
| **PANHARD RODS** | | | | |
| | Adjustable panhard rod - rhd | 1 | TDPR-006 | $ Ea |
| | Adjustable panhard rod - lhd | 1 | TDPR-001 | $ Ea |
| | Panhard rod bush kit | 1 | TDUK-043 | $ Kt |
| **STEERING DAMPERS** | | | | |
| | Heavy duty Steering Damper | 1 | EXT5001 | $ Ea |
| | Return to centre Steering Damper | 1 | SS5001-P/S | $ Ea |
| | 9 Stage adjustable damper | 1 | SV5001 | $ Ea |
| **FRONT INDIVIDUAL COMPONENTS** | | | | |
| | Radius Rod to Chassis bush kit | 1 | TDUK-044 | $ Kt |
| | Radius Rod to Diff bush kit | 1 | TDUK-050 | $ Kt |
| | 20mm Urethane Coil spacer - 1 per coil | 1 | TDUK-1725/20 | $ Ea |
| | 30mm Urethane Coil spacer - 1 per coil | 1 | TDUK-1725/30 | $ Ea |
| **FRONT REPLACEMENT BUSHES (QTY PER SHOCK)** | | | | |
| | Fits top & bottom pins | 4 | TW957 | $ Ea |

## REAR

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **AIR ASSIST - COIL INSERT** | | | | |
| | Coil Insert bag - OEM Height | 1 | TDAA-021 | $ Kt |
| | Coil Insert bag - 25mm Lift | 1 | TDAA-010 | $ Kt |
| | Coil Insert bag - 50mm Lift | 1 | TDAA-011 | $ Kt |
| **Note:** Separate Air Assist components can be viewed on page 14. | | | | |
| **AIR ASSIST - COIL INSERT WIRELESS AIR SYSTEM** | | | | |
| | Wireless Air System Suits Coil Insert Airbags | 1 | TDAS-002 | $ Kt |
| **PANHARD RODS** | | | | |
| | Adjustable panhard rod | 1 | TDPR-007 | $ Ea |
| | Panhard rod bush kit | 1 | TDUK-047 | $ Kt |
| **REAR INDIVIDUAL COMPONENTS** | | | | |
| | Trailing Arm bush kit - Upper | 1 | TDUK-045 | $ Kt |
| | Trailing Arm bush kit - Lower | 1 | TDUK-046 | $ Kt |
| | 15mm Urethane Coil spacer - 1 per Coil | 1 | TDUK-1724/15 | $ Ea |
| | 30mm Urethane Coil spacer - 1 per Coil | 1 | TDUK-1724/30 | $ Ea |
| **REAR REPLACEMENT BUSHES (QTY PER SHOCK)** | | | | |
| | Fits top pin | 2 | TW957 | $ Ea |
| | Fits bottom eyering | 1 | 415024 | $ Ea |

# TOYOTA

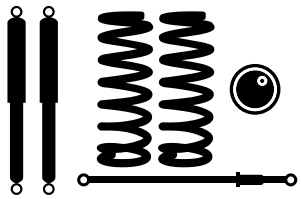
**LANDCRUISER**
**80 & 105 SERIES (3")**
**05/1990-2007**
**EST. LIFT FRONT: 75MM | REAR: 75MM**

TOUGH DOG 4WD Suspension ... Making Tracks Across the World

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.

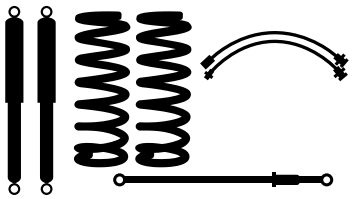


| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Coil Springs | 1 | Pr |
| Panhard Rod | 1 | Ea |
| Castor Correction | 1 | Kt |
| Steering Damper (Optional) | 1 | Ea |
| Offset King Pin (Optional) | 1 | Ea |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Coil Springs | 1 | Pr |
| Brake Hose Kit | 1 | Ea |
| Panhard Rods | 1 | Ea |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | 75mm / 3" Lift | 2 | **FC41002** | $ Ea |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | 75mm / 3" Lift | 2 | **BM401002** | $ Ea |
| **45MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | 75mm / 3" Lift | 2 | **BMX1002/2** | $ Ea |
| **RALPH - SHOCK ABSORBER** | | | | |
| | 75mm / 3" Lift | 2 | **TDR1002B** | $ Ea |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | 75mm / 3" Lift | 2 | **FC41111** | $ Ea |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | 75mm / 3" Lift | 2 | **BM401111** | $ Ea |
| **45MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | 75mm / 3" Lift | 2 | **BMX1111/2** | $ Ea |
| **RALPH - SHOCK ABSORBER** | | | | |
| | 75mm / 3" Lift | 2 | **TDR1111** | $ Ea |

| COIL SPRINGS | | | | |
|---|---|---|---|---|
| | 75mm / 3" Lift with no bar or alloy bar | 1 | **TDC943** | $ Pr |
| | 75mm / 3" Lift with Steel bar | 1 | **TDC948/3** | $ Pr |
| | 75mm / 3" Lift with Steel bar & Winch | 1 | **TDC943H** | $ Pr |

| COIL SPRINGS | | | | |
|---|---|---|---|---|
| | 75mm / 3" Lift 0-300kg load | 1 | **TDC949/3** | $ Pr |
| | 75mm / 3" Lift CONSTANT 300kg load | 1 | **TDC945** | $ Pr |
| | 75mm / 3" Lift CONSTANT 500kg load | 1 | **TDC945H** | $ Pr |

| CASTER CORRECTION | | | | |
|---|---|---|---|---|
| | 2 Deg Castor correction bush kit | 1 | **TDUK-054/2** | $ Kt |

| PANHARD RODS | | | | |
|---|---|---|---|---|
| | Adjustable - RHD | 1 | **TDPR-006** | $ Ea |
| | Adjustable - LHD | 1 | **TDPR-001** | $ Ea |
| | Panhard Rod bush kit | 1 | **TDUK-043** | $ Kt |

| PANHARD RODS | | | | |
|---|---|---|---|---|
| | Adjustable | 1 | **TDPR-007** | $ Ea |
| | Panhard Rod bush kit | 1 | **TDUK-047** | $ Kt |

| STEERING DAMPERS | | | | |
|---|---|---|---|---|
| | Heavy Duty | 1 | **EXT5001** | $ Ea |
| | Return to Center | 1 | **SS5001-P/S** | $ Ea |
| | 9 Stage Adjustable | 1 | **SV5001** | $ Ea |

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

# TOYOTA

**LANDCRUISER**
**80 & 105 SERIES (3")**
**05/1990-2007**
**EST. LIFT FRONT: 75MM | REAR: 75MM**

## FRONT

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **OFFSET KING PINS** | | | | |
| | 0.5 Degree | 1 | **TAK-8005** | $ Ea |
| | 0.75 Degree | 1 | **TAK-8075** | $ Ea |
| | 1.0 Degree | 1 | **TAK-8001** | $ Ea |

## REAR

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **BRAKE HOSE KITS - 80 & 105 SERIES NON ABS** | | | | |
| | Rubber | 1 | **TDBH-003** | $ Ea |
| | Braided | 1 | **TDBH-197** | $ Ea |
| **BRAKE HOSE KITS - 80 SERIES ABS** | | | | |
| | Rubber | 1 | **TDBH-300** | $ Ea |
| | Braided | 1 | **TDBH-200** | $ Ea |
| **BRAKE HOSE KITS - 105 SERIES ABS** | | | | |
| | Rubber | 1 | **TDBH-398** | $ Ea |
| | Braided | 1 | **TDBH-198** | $ Ea |

## FRONT INDIVIDUAL COMPONENTS

| | | | | |
|---|---|---|---|---|
| | Radius Rod to Chassis bush kit | 1 | **TDUK-044** | $ Kt |
| | Radius Rod to Diff bush kit | 1 | **TDUK-050** | $ Kt |
| | 20mm Urethane Coil spacer - 1 per coil | 1 | **TDUK-1725/20** | $ Ea |
| | 30mm Urethane Coil spacer - 1 per coil | 1 | **TDUK-1725/30** | $ Ea |

## REAR INDIVIDUAL COMPONENTS

| | | | | |
|---|---|---|---|---|
| | Trailing Arm bush kit - Upper | 1 | **TDUK-045** | $ Kt |
| | Trailing Arm bush kit - Lower | 1 | **TDUK-046** | $ Kt |
| | 15mm Urethane Coil spacer - 1 per Coil | 1 | **TDUK-1724/15** | $ Ea |
| | 30mm Urethane Coil spacer - 1 per Coil | 1 | **TDUK-1724/30** | $ Ea |

## FRONT REPLACEMENT BUSHES (QTY PER SHOCK)

| | | | | |
|---|---|---|---|---|
| | Fits top & bottom pins | 4 | **TW957** | $ Ea |

## REAR REPLACEMENT BUSHES (QTY PER SHOCK)

| | | | | |
|---|---|---|---|---|
| | Fits top pin | 2 | **TW957** | $ Ea |
| | Fits bottom eyering | 1 | **415024** | $ Ea |

# TOYOTA

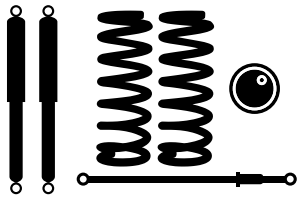
**LANDCRUISER**
**80 & 105 SERIES (4", 5", 6")**
**05/1990-2007**
**EST. LIFT FRONT: 100MM | REAR: 100MM**

TOUGH DOG 4WD Suspension ... Making Tracks Across the World

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.

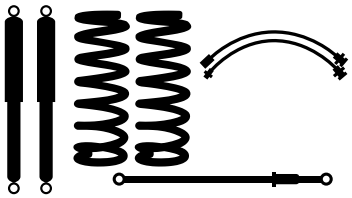


| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Coil Springs | 1 | Pr |
| Panhard Rod | 1 | Ea |
| Castor Correction | 1 | Kt |
| Steering Damper (Optional) | 1 | Ea |
| Offset King Pin (Optional) | 1 | Ea |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Coil Springs | 1 | Pr |
| Brake Hose Kit | 1 | Ea |
| Panhard Rods | 1 | Ea |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | 100mm / 4" Lift | 2 | **FC41002/4** | $ Ea |
| | **45MM ADJUSTABLE - SHOCK ABSORBER** | | | |
| | 100mm / 4" Lift | 2 | **BMX1002/4** | $ Ea |
| | 125mm / 5" Lift | 2 | **BMX1002/6** | $ Ea |
| | 150mm / 6" Lift | 2 | **BMX1002/6** | $ Ea |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | 50mm Lift | 2 | **FC41111/4** | $ Ea |
| | **45MM ADJUSTABLE - SHOCK ABSORBER** | | | |
| | 100mm / 4" Lift | 2 | **BMX1111/4** | $ Ea |
| | 125mm / 5" Lift | 2 | **BMX1111/6** | $ Ea |
| | 150mm / 6" Lift | 2 | **BMX1111/6** | $ Ea |

| COIL SPRINGS | | | | |
|---|---|---|---|---|
| | 100mm / 4" Lift - Up to Steel bar | 1 | **TDC948/4** | $ Pr |
| | 100mm / 4" Lift - Up to Steel bar & Winch | 1 | **TDC948/4H** | $ Pr |
| | 125mm / 5" Lift - Up to Steel bar | 1 | **TDC948/5** | $ Pr |
| | 125mm / 5" Lift - Up to Steel bar & Winch | 1 | **TDC948/5H** | $ Pr |
| | 150mm / 6" Lift - Up to Steel bar | 1 | **TDC948/6** | $ Pr |
| | 150mm / 6" Lift - Up to Steel bar & Winch | 1 | **TDC948/6H** | $ Pr |

| COIL SPRINGS | | | | |
|---|---|---|---|---|
| | 100mm / 4" Lift 0-300kg load | 1 | **TDC949/4** | $ Pr |
| | 100mm / 4" Lift CONSTANT 300kg load | 1 | **TDC949/4H** | $ Pr |
| | 125mm / 5" Lift 0-300kg load | 1 | **TDC949/5** | $ Pr |
| | 125mm / 5" Lift CONSTANT 300kg load | 1 | **TDC949/5H** | $ Pr |
| | 150mm / 6" Lift 0-300kg load | 1 | **TDC949/6** | $ Pr |
| | 150mm / 6" Lift CONSTANT 300kg load | 1 | **TDC949/6H** | $ Pr |

| CASTER CORRECTION | | | | |
|---|---|---|---|---|
| | 100mm / 4" Lift 3 Deg Castor Correction bush | 1 | **TDUK-054/3** | $ Kt |
| | 125mm / 4" Lift & 150mm / 6" Lifts 5 Deg Castor Correction Plate | 1 | **TDCP-006** | $ Ea |

| PANHARD RODS | | | | |
|---|---|---|---|---|
| | Adjustable - RHD | 1 | **TDPR-006** | $ Ea |
| | Adjustable - LHD | 1 | **TDPR-001** | $ Ea |
| | Panhard Rod bush kit | 1 | **TDUK-043** | $ Kt |

| PANHARD RODS | | | | |
|---|---|---|---|---|
| | Adjustable panhard rod | 1 | **TDPR-007** | $ Ea |
| | Panhard rod bush kit | 1 | **TDUK-047** | $ Kt |

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

# TOYOTA

**LANDCRUISER**
**80 & 105 SERIES (4", 5", 6")**
**05/1990-2007**
**EST. LIFT FRONT: 100MM | REAR: 100MM**

TOUGH DOG 4WD Suspension ... Making Tracks Across the World

## FRONT

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **STEERING DAMPERS** | | | | |
| | Return to Center - RHD | 1 | **SS5001-XHD** | $ Ea |
| | Return to Center - LHD | 1 | **SS5002-XHD** | $ Ea |
| | 9 Stage Adjustable - RHD | 1 | **SV5001/4** | $ Ea |
| | 9 Stage Adjustable - LHD | 1 | **SV5002/4** | $ Ea |

## REAR

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|

## OFFSET KING PINS

| | | | | |
|---|---|---|---|---|
| | 0.5 Degree | 1 | **TAK-8005** | $ Ea |
| | 0.75 Degree | 1 | **TAK-8075** | $ Ea |
| | 1.0 Degree | 1 | **TAK-8001** | $ Ea |

## BRAKE HOSE KITS - 80 & 105 SERIES NON ABS

| | | | | |
|---|---|---|---|---|
| | Rubber | 1 | **TDBH-003** | $ Ea |
| | Braided | 1 | **TDBH-197** | $ Ea |
| **BRAKE HOSE KITS - 80 SERIES ABS** | | | | |
| | Rubber | 1 | **TDBH-300** | $ Ea |
| | Braided | 1 | **TDBH-200** | $ Ea |
| **BRAKE HOSE KITS - 105 SERIES ABS** | | | | |
| | Rubber | 1 | **TDBH-398** | $ Ea |
| | Braided | 1 | **TDBH-198** | $ Ea |

## FRONT INDIVIDUAL COMPONENTS

| | | | | |
|---|---|---|---|---|
| | Radius Rod to Chassis bush kit | 1 | **TDUK-044** | $ Kt |
| | Radius Rod to Diff bush kit | 1 | **TDUK-050** | $ Kt |
| | 20mm Urethane Coil spacer - 1 per coil | 1 | **TDUK-1725/20** | $ Ea |
| | 30mm Urethane Coil spacer - 1 per coil | 1 | **TDUK-1725/30** | $ Ea |

## REAR INDIVIDUAL COMPONENTS

| | | | | |
|---|---|---|---|---|
| | Trailing Arm bush kit - Upper | 1 | **TDUK-045** | $ Kt |
| | Trailing Arm bush kit - Lower | 1 | **TDUK-046** | $ Kt |
| | 15mm Urethane Coil spacer - 1 per Coil | 1 | **TDUK-1724/15** | $ Ea |
| | 30mm Urethane Coil spacer - 1 per Coil | 1 | **TDUK-1724/30** | $ Ea |

## FRONT REPLACEMENT BUSHES (QTY PER SHOCK)

| | | | | |
|---|---|---|---|---|
| | Fits top & bottom pins | 4 | **TW957** | $ Ea |

## REAR REPLACEMENT BUSHES (QTY PER SHOCK)

| | | | | |
|---|---|---|---|---|
| | Fits top pin | 2 | **TW957** | $ Ea |
| | Fits bottom eyering | 1 | **415024** | $ Ea |

ALL PRICES EXCLUDE FREIGHT. INCLUDE ONLY PERMANENT ACCESSORIES & WEIGHTS WHEN SELECTING SPRINGS. TOWING WEIGHT IS NOT INCLUDED

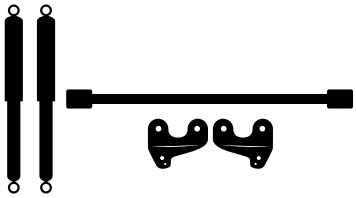
# TOYOTA

**LANDCRUISER**
**100 SERIES (IFS)**
**1998-2007**
**EST. LIFT FRONT: 25MM | REAR: 25MM**

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Torsion Bar | 1 | Pr |
| Torsion Bar Strengthing Kit | 1 | Kt |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | Up to 25mm Lift | 2 | **FC41103** | $ Ea |
| **RALPH - SHOCK ABSORBER** | | | | |
| | Up to 25mm Lift | 2 | **TDR1103** | $ Ea |

### TORSION BAR

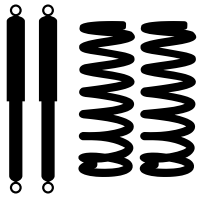
| | | | | |
|---|---|---|---|---|
|  | 32mm/1160mm - Petrol models | 1 | **4WTB-1600** | $ Pr |
| | 32mm/1210mm - Diesel models | 1 | **4WTB-1610** | $ Pr |
| | Strengthening kit - Must be fitted when fitting new torsion bars | 1 | **4WTB-1610/BKT** | $ Kt |

Torsion bars must only be adjusted so that the rim to guard measurements are not more than the measurements listed here.
Lifting the vehicle higher than the specified measurement will result in the failure of front end components, including shock failure.
For 16" Rim - 740mm | For 17" Rim - 753mm

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Coil Springs | 1 | Pr |
| Panhard Rods (Optional) | 1 | Ea |
| Coil Insert Airbags (Optional) | 1 | Kt |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | Up to 25mm Lift | 2 | **FC41114** | $ Ea |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | Up to 25mm Lift | 2 | **BM401114** | $ Ea |
| **45MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | Up to 25mm Lift | 2 | **BMX1114/2** | $ Ea |
| **RALPH - SHOCK ABSORBER** | | | | |
| | Up to 25mm Lift | 2 | **TDR1114** | $ Ea |

### COIL SPRINGS

| | | | | |
|---|---|---|---|---|
| | OE height 0-300kg load | 1 | **TDC949HSL** | $ Pr |
| | 25mm Lift 0-300kg load | 1 | **TDC949L** | $ Pr |
| | 25mm Lift CONSTANT 300kg load | 1 | **TDC949HL** | $ Pr |

### PANHARD RODS

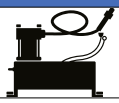
| | | | | |
|---|---|---|---|---|
|  | Adjustable | 1 | **TDPR-003** | $ Ea |

### AIR ASSIST - COIL INSERT

| | | | | |
|---|---|---|---|---|
| | Coil Insert bag - OEM Height | 1 | **TDAA-021** | $ Kt |
| | Coil Insert bag - Up to 25mm lift | 1 | **TDAA-010** | $ Kt |
| | Coil Insert bag - Up to 50mm lift | 1 | **TDAA-011** | $ Kt |

**Note:** Separate Air Assist components can be viewed on page 14.

### AIR ASSIST - COIL INSERT WIRELESS AIR SYSTEM

| | | | | |
|---|---|---|---|---|
|  | Wireless Air System Suits Coil Insert Airbags | 1 | **TDAS-002** | $ Kt |

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

# TOYOTA

**LANDCRUISER**
**100 SERIES (IFS)**
**1998-2007**
**EST. LIFT FRONT: 25MM | REAR: 25MM**

## FRONT

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|

## REAR

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **REAR INDIVIDUAL COMPONENTS** | | | | |
| | Trailing arm bush kit - Upper | 1 | **TDUK-025** | $ Kt |
| | Trailing arm bush kit - Lower | 1 | **TDUK-026** | $ Kt |
| | Urethane spring spacer -15mm | 1 | **TDUK-1724/15** | $ Ea |
| | Urethane spring spacer -30mm | 1 | **TDUK-1724/30** | $ Ea |

## FRONT REPLACEMENT BUSHES (QTY PER SHOCK)

| | | | | |
|---|---|---|---|---|
| | Fits bottom of top pin | 1 | **404454A** | $ Ea |
| | Fits top of top pin | 1 | **404454B** | $ Ea |
| | Fits bottom eyering - FC shock only | 1 | **TW040-14** | $ Ea |
| | Fits bottom eyering - TDR shock only | 1 | **ADJ300/40A** | $ Ea |

## REAR REPLACEMENT BUSHES (QTY PER SHOCK)

| | | | | |
|---|---|---|---|---|
| | Fits bottom of top pin | 1 | **404454A** | $ Ea |
| | Fits top of top pin | 1 | **404454B** | $ Ea |
| | Fits bottom eyering | 1 | **415024** | $ Ea |

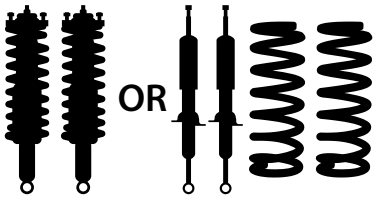
# TOYOTA

**LANDCRUISER 200 SERIES** **GX, GXL, VX**
**11/2007 ON**
**EST. LIFT FRONT: 40MM | REAR: 20MM**

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.

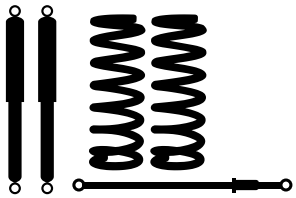



| | | |
|---|---|---|
| Assembled struts | 2 | Ea |
| OR | | |
| Struts | 2 | Ea |
| Coil Springs | 1 | Pr |
| Strut Top (Optional) | 2 | Ea |
| Upper Control Arms (Optional) | 1 | Pr |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Coil Springs | 1 | Pr |
| Panhard Rod (Optional) | 1 | Ea |
| Swaybar (Optional) | 1 | Ea |
| Coil Insert Airbag (Optional) | 1 | Kt |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **ASSEMBLED STRUTS - FOAM CELL** | | | | |
| Assembled struts are made up of: 1 x strut, 1 x coil 1 x strut top | | | | |
| | OE Height Up to Steel bar | 2 | **TOY-200/10** | $ Ea |
| | OE Height With Steel bar & Winch | 2 | **TOY-200/15** | $ Ea |
| | 40mm Lift Up to Steel bar | 2 | **TOY-200/04** | $ Ea |
| | 40mm Lift With Steel bar & Winch | 2 | **TOY-200/05** | $ Ea |
| **ASSEMBLED STRUTS - 40MM ADJUSTABLE** | | | | |
| Assembled struts are made up of: 1 x strut, 1 x coil 1 x strut top | | | | |
| | OE Height Up to Steel bar | 2 | **TOY-200/11** | $ Ea |
| | 40mm Lift Up to Steel bar | 2 | **TOY-200/01** | $ Ea |
| | 40mm Lift With Steel bar & Winch | 2 | **TOY-200/02** | $ Ea |
| **ASSEMBLED STRUTS - 45MM ADJUSTABLE** | | | | |
| Assembled struts are made up of: 1 x strut, 1 x coil 1 x strut top | | | | |
| | 25mm Lift Up to Steel bar | 2 | **TOY-200/12** | $ Ea |
| | 40mm Lift Up to Steel bar | 2 | **TOY-200/07** | $ Ea |
| | 40mm Lift With Steel bar & Winch | 2 | **TOY-200/08** | $ Ea |
| **ASSEMBLED STRUTS - RALPH** | | | | |
| Assembled struts are made up of: 1 x strut, 1 x coil 1 x strut top | | | | |
| | 25mm Lift Up to Steel bar | 2 | **TOY-200/18** | $ Ea |
| | 40mm Lift Up to Steel bar | 2 | **TOY-200/16** | $ Ea |
| | 40mm Lift With Steel bar & Winch | 2 | **TOY-200/17** | $ Ea |
| **STRUT - FOAM CELL** | | | | |
| | Up to 40mm Lift | 2 | **FC404900** | $ Ea |
| **STRUT - 40MM ADJUSTABLE** | | | | |
| | Up to 40mm Lift | 2 | **BM404900** | $ Ea |
| **STRUT - 45MM ADJUSTABLE** | | | | |
| | Up to 40mm Lift | 2 | **BMX454900** | $ Ea |
| **STRUT - RALPH** | | | | |
| | Up to 40mm Lift | 2 | **TDR4900** | $ Ea |
| 45mm Adjustable & Ralph Strut does not suit factory coils | | | | |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | Up to 20mm Lift | 2 | **FC41114** | $ Ea |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | Up to 20mm Lift | 2 | **BM401114** | $ Ea |
| **45MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | Up to 20mm Lift | 2 | **BMX1114/2** | $ Ea |
| **RALPH - SHOCK ABSORBER** | | | | |
| | Up to 20mm Lift | 2 | **TDR1114** | $ Ea |

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

# TOYOTA

**LANDCRUISER 200 SERIES** **GX, GXL, VX**
**11/2007 ON**
**EST. LIFT FRONT: 40MM | REAR: 20MM**

TOUGH DOG 4WD Suspension ... Making Tracks Across the World

## FRONT

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **COIL SPRINGS** | | | | |
| | OE Height Up to Steel Bar | 1 | TDC930SL | $ Pr |
| | OE Height with Steel bar & Winch | 1 | TDC930HSL | $ Pr |
| | 40mm Lift Up to Steel Bar | 1 | TDC930L | $ Pr |
| | 40mm Lift with Steel bar & Winch | 1 | TDC930HL | $ Pr |
| | 25mm Lift Up to Steel bar - BMX & RALPH | 1 | TDC932SL | $ Pr |
| | 40mm Lift Up to Steel bar - BMX & RALPH | 1 | TDC932L | $ Pr |
| | 40mm Lift with Steel bar - BMX & RALPH | 1 | TDC932HL | $ Pr |

## REAR

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **COIL SPRINGS** | | | | |
| | OE Height 0-300kg load | 1 | TDC931SL | $ Pr |
| | 20mm Lift 0-300kg load | 1 | TDC931L | $ Pr |
| | 20mm Lift CONSTANT 300kg load | 1 | TDC931HL | $ Pr |
| | 20mm Lift CONSTANT 500kg load | 1 | TDC931VHL | $ Pr |

## UPPER CONTROL ARMS

| | | | | |
|---|---|---|---|---|
| | Upper Control Arms | 1 | TDCA-004 | $ Pr |

Fitment of Tough Dog Upper Control arms to vehicles that have lifts fitted greater than 50mm may suffer from premature ball joint failure due to droop lengths. The use of strut spacers may also affect the performance and longevity of the UCA ball joint due to the limitations of the spherical bearing housing being breached or bound at full suspension droop. There will be no warranty either expressed or implied if the vehicle is used out of legal driving conditions that will include, but is not limited to, jumping of the vehicle.

## AIR ASSIST - COIL INSERT

| | | | | |
|---|---|---|---|---|
| | Coil insert bag kit OE Height | 1 | TDAA-021 | $ Kt |
| | Coil insert bag kit - 25mm lift | 1 | TDAA-010 | $ Kt |
| | Coil insert bag kit - 50mm lift | 1 | TDAA-011 | $ Kt |

**Note:** Separate Air Assist components can be viewed on page 14.

## UPPER CONTROL ARMS - REPLACEMENT COMPONENTS

| | | | | |
|---|---|---|---|---|
| | Bush Kit to fit one UCA - for TDCA-004 | 1 | TDSK-005 | $ Kt |
| | Ball joint kit to fit one UCA - for TDCA-004 | 1 | TDSK-006 | $ Kt |

## AIR ASSIST - COIL INSERT WIRELESS AIR SYSTEM

| | | | | |
|---|---|---|---|---|
| | Wireless Air System Suits Coil Insert Airbags | 1 | TDAS-002 | $ Kt |

## SWAY BAR

| | | | | |
|---|---|---|---|---|
| | Sway Bar (38mm) | 1 | TDSB-005 | $ Ea |

## PANHARD ROD

| | | | | |
|---|---|---|---|---|
| | Adjustable | 1 | TDPR-200 | $ Ea |
| | Rear Panhard rod replacement bush kit | 1 | TDUK-032 | $ Kt |

## FRONT INDIVIDUAL COMPONENTS

| | | | | |
|---|---|---|---|---|
| | Strut Top | 2 | TOY-1020 | $ Ea |

## REAR INDIVIDUAL COMPONENTS

| | | | | |
|---|---|---|---|---|
| | 33mm H/D Sway bar kit - non KDSS only | 1 | TDSB-006 | $ Ea |
| | Rear coil spacer - KDSS models | 1 | TDUK-087 | $ Kt |

**Note:** Due to the nature of the KDSS, models fitted with KDSS may experience a 10-15mm lean resulting in the right hand side of the vehicle being lower. Part number TDUK-087 can be fitted to the top of the right rear coil which will assist with this issue.

## FRONT REPLACEMENT BUSHES (QTY PER SHOCK)

| | | | | |
|---|---|---|---|---|
| | Front bottom eyering | 1 | 4WAY-001 | $ Ea |

## REAR REPLACEMENT BUSHES (QTY PER SHOCK)

| | | | | |
|---|---|---|---|---|
| | Rear top of pin | 1 | 404454B | $ Ea |
| | Rear bottom of pin | 1 | 404454A | $ Ea |
| | Rear bottom eyering | 1 | 415024 | $ Ea |

**FOR GVM UPGRADES, SEE PAGE 256**

ALL PRICES EXCLUDE FREIGHT. INCLUDE ONLY PERMANENT ACCESSORIES & WEIGHTS WHEN SELECTING SPRINGS. TOWING WEIGHT IS NOT INCLUDED

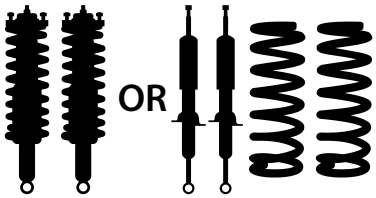
# TOYOTA

**LANDCRUISER**
**200 SERIES** **SAHARA**
**11/2007 ON**
**EST. LIFT FRONT: 40MM | REAR: 20MM**

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.

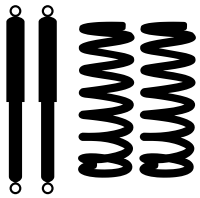



| | | |
|---|---|---|
| Assembled struts | 2 | Ea |
| OR | | |
| Struts | 2 | Ea |
| Coil Springs | 1 | Pr |
| Strut Top (Optional) | 2 | Ea |
| Upper Control Arms (Optional) | 1 | Pr |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Coil Springs | 1 | Pr |
| Panhard Rod (Optional) | 1 | Ea |
| Coil Insert Airbag (Optional) | 1 | Kt |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **ASSEMBLED STRUTS - FOAM CELL** | | | | |
| Assembled struts are made up of: 1 x strut, 1 x coil 1 x strut top | | | | |
| | Up to 40mm Lift - Sahara All applications | 2 | **TOY-200/05** | $ Ea |
| | **ASSEMBLED STRUTS - 40MM ADJUSTABLE** | | | |
| | Assembled struts are made up of: 1 x strut, 1 x coil 1 x strut top | | | |
| | Up to 40mm Lift - Sahara All applications | 2 | **TOY-200/02** | $ Ea |
| | **ASSEMBLED STRUTS - 45MM ADJUSTABLE** | | | |
| | Assembled struts are made up of: 1 x strut, 1 x coil 1 x strut top | | | |
| | Up to 40mm Lift - Sahara All applications | 2 | **TOY-200/08** | $ Ea |
| | **ASSEMBLED STRUTS - RALPH** | | | |
| | Assembled struts are made up of: 1 x strut, 1 x coil 1 x strut top | | | |
| | Up to 40mm Lift - Sahara All applications | 2 | **TOY-200/17** | $ Ea |
| **STRUT - FOAM CELL** | | | | |
| | Up to 40mm Lift - Strut only/ No coil/ No strut top | 2 | **FC404900** | $ Ea |
| | **STRUT - 40MM ADJUSTABLE** | | | |
| | Up to 40mm Lift - Strut only/ No coil/ No strut top | 2 | **BM404900** | $ Ea |
| | **STRUT - 45MM ADJUSTABLE** | | | |
| | Up to 40mm Lift - Strut only/ No coil/ No strut top | 2 | **BMX454900** | $ Ea |
| | **STRUT - RALPH** | | | |
| | Up to 40mm Lift - Strut only/ No coil/ No strut top | 2 | **TDR4900** | $ Ea |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | Up to 20mm Lift | 2 | **FC41114** | $ Ea |
| | **40MM ADJUSTABLE - SHOCK ABSORBER** | | | |
| | Up to 20mm Lift | 2 | **BM401114** | $ Ea |
| | **45MM ADJUSTABLE - SHOCK ABSORBER** | | | |
| | Up to 20mm Lift | 2 | **BMX1114/2** | $ Ea |
| | **RALPH - SHOCK ABSORBER** | | | |
| | Up to 20mm Lift | 2 | **TDR1114** | $ Ea |

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

# TOYOTA

**LANDCRUISER 200 SERIES SAHARA**
**11/2007 ON**
**EST. LIFT FRONT: 40MM | REAR: 20MM**

TOUGH DOG 4WD Suspension ... Making Tracks Across the World

## FRONT

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **COIL SPRINGS** | | | | |
| | OE Height with Steel Bar & Winch with FC or BM shocks | 1 | TDC930L | $ Pr |
| | OE Height - Up to Steel Bar with BMX or RALPH shocks | 1 | TDC932L | $ Pr |
| | 40mm lift - Up to Bar & Winch with FC or BM shocks | 1 | TDC930HL | $ Pr |
| | 40mm lift - Up to Bar & Winch with BMX or RALPH shocks | 1 | TDC932HL | $ Pr |

## REAR

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **COIL SPRINGS** | | | | |
| | OE Height 0-300kg load | 1 | TDC931SL | $ Pr |
| | 20mm Lift 0-300kg load | 1 | TDC931L | $ Pr |
| | 20mm Lift CONSTANT 300kg load | 1 | TDC931HL | $ Pr |
| | 20mm Lift CONSTANT 500kg load | 1 | TDC931VHL | $ Pr |

## UPPER CONTROL ARMS

| | | | | |
|---|---|---|---|---|
| | Upper Control Arms | 1 | TDCA-004 | $ Pr |

Fitment of Tough Dog Upper Control arms to vehicles that have lifts fitted greater than 50mm may suffer from premature ball joint failure due to droop lengths. The use of strut spacers may also affect the performance and longevity of the UCA ball joint due to the limitations of the spherical bearing housing being breached or bound at full suspension droop. There will be no warranty either expressed or implied if the vehicle is used out of legal driving conditions that will include, but is not limited to, jumping of the vehicle.

## AIR ASSIST - COIL INSERT

| | | | | |
|---|---|---|---|---|
| | Coil insert bag kit OE Height | 1 | TDAA-021 | $ Kt |
| | Coil insert bag kit - 25mm lift | 1 | TDAA-010 | $ Kt |
| | Coil insert bag kit - 50mm lift | 1 | TDAA-011 | $ Kt |

**Note:** Separate Air Assist components can be viewed on page 14.

## UPPER CONTROL ARMS - REPLACEMENT COMPONENTS

| | | | | |
|---|---|---|---|---|
| | Bush Kit to fit one UCA - for TDCA-004 | 1 | TDSK-005 | $ Kt |
| | Ball joint kit to fit one UCA - for TDCA-004 | 1 | TDSK-006 | $ Kt |

## AIR ASSIST - COIL INSERT WIRELESS AIR SYSTEM

| | | | | |
|---|---|---|---|---|
| | Wireless Air System Suits Coil Insert Airbags | 1 | TDAS-002 | $ Kt |

## PANHARD ROD

| | | | | |
|---|---|---|---|---|
| | Adjustable | 1 | TDPR-200 | $ Ea |
| | Rear Panhard rod replacement bush kit | 1 | TDUK-032 | $ Kt |

## FRONT INDIVIDUAL COMPONENTS

| | | | | |
|---|---|---|---|---|
| | Strut Top | 2 | TOY-1020 | $ Ea |

## REAR INDIVIDUAL COMPONENTS

| | | | | |
|---|---|---|---|---|
| | Rear coil spacer - KDSS models | 1 | TDUK-087 | $ Kt |

**Note:** Due to the nature of the KDSS, models fitted with kdss may experience a 10-15mm lean resulting in the right hand side of the vehicle being lower. Part number TDUK-087 can be fitted to the top of the right rear coil which will assist with this issue.

## FRONT REPLACEMENT BUSHES (QTY PER SHOCK)

| | | | | |
|---|---|---|---|---|
| | Front bottom eyering | 1 | 4WAY-001 | $ Ea |

## REAR REPLACEMENT BUSHES (QTY PER SHOCK)

| | | | | |
|---|---|---|---|---|
| | Rear top of pin | 1 | 404454B | $ Ea |
| | Rear bottom of pin | 1 | 404454A | $ Ea |
| | Rear bottom eyering | 1 | 415024 | $ Ea |

**FOR GVM UPGRADES, SEE PAGE 257**

ALL PRICES EXCLUDE FREIGHT. INCLUDE ONLY PERMANENT ACCESSORIES & WEIGHTS WHEN SELECTING SPRINGS. TOWING WEIGHT IS NOT INCLUDED

# GVM UPGRADE

## TOYOTA LANDCRUISER 200 SERIES

GX SERIES 2011 - 08/2014 & 08/2014 - 2021

FROM **3350KG*** TO **3850KG***

### WHAT YOU GET:

- EXTRA PAYLOAD UP TO **500KG**
- UPGRADED SUSPENSION
- IMPROVED HANDLING & LOAD CARRYING

**VEHICLE SPECIFICATIONS**

| DESCRIPTION | ORIGINAL EQUIPMENT | TOUGH DOG |
|---|---|---|
| FRONT AXLE RATING | 1700KG* | **1700KG** |
| REAR AXLE RATING | 1950KG | **2200KG** |
| GROSS VEHICLE MASS (GVM) | 3350KG | **3850KG**** |
| TOWING CAPACITY (BRAKED) | 3500KG | **3500KG** |
| GROSS COMBINED MASS (GCM) | 6850KG | **6850KG** |

• Payload increase is based on model variant.
• *From 08/2014, **Pre 08/2014 GVM = 3830KG

**TOUGH DOG GVM UPGRADES CAN ONLY BE ORDERED THROUGH A TOUGH DOG APPROVED GVM DEALER**

GX SERIES 2011 - 08/2014 & 08/2014 - 2021

| DESCRIPTION | GVM UPGRADE | PART NO | RRP |
|---|---|---|---|
| SHOCKS: FOAM CELL | 3850KG | TDGVM-043 | |

TOUGH DOG GVM
CARRYING LOADS ACROSS AUSTRALIA

## LOGIN INTO THE DEALER PORTAL TO START YOUR GVM ORDER!

**WWW.TOUGHDOG.COM.AU/DEALER/PORTALHOME**

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

# GVM UPGRADE

## TOYOTA LANDCRUISER 200 SERIES

GXL / VX / SAHARA SERIES 2007 - 08/2014 & 08/2014 - 2021

FROM **3350KG*** TO **3850KG***

### WHAT YOU GET:

- EXTRA PAYLOAD UP TO **500KG**
- UPGRADED SUSPENSION
- IMPROVED HANDLING & LOAD CARRYING

**VEHICLE SPECIFICATIONS**

| DESCRIPTION | ORIGINAL EQUIPMENT | TOUGH DOG |
|---|---|---|
| FRONT AXLE RATING | 1700KG* | **1700KG** |
| REAR AXLE RATING | 1950KG | **2200KG** |
| GROSS VEHICLE MASS (GVM) | 3350KG | **3850KG**** |
| TOWING CAPACITY (BRAKED) | 3500KG | **3500KG** |
| GROSS COMBINED MASS (GCM) | 6850KG | **6850KG** |

• Payload increase is based on model variant.
• *From 08/2014, **Pre 08/2014 GVM = 3830KG

**TOUGH DOG GVM UPGRADES CAN ONLY BE ORDERED THROUGH A TOUGH DOG APPROVED GVM DEALER**

GXL / VX / SAHARA SERIES 2007 - 08/2014 & 08/2014 - 2021

| DESCRIPTION | GVM UPGRADE | PART NO | RRP |
|---|---|---|---|
| SHOCKS: FOAM CELL | 3850KG | TDGVM-055 | |

TOUGH DOG GVM
CARRYING LOADS ACROSS AUSTRALIA

## LOGIN INTO THE DEALER PORTAL TO START YOUR GVM ORDER!

**WWW.TOUGHDOG.COM.AU/DEALER/PORTALHOME**

ALL PRICES EXCLUDE FREIGHT. INCLUDE ONLY PERMANENT ACCESSORIES & WEIGHTS WHEN SELECTING SPRINGS. TOWING WEIGHT IS NOT INCLUDED

# TOYOTA

**LANDCRUISER 300 SERIES 03/2021 ON**

**VX, GXL, GX, SAHARA**
(EXCLUDES GR SPORT AND SAHARA ZX)

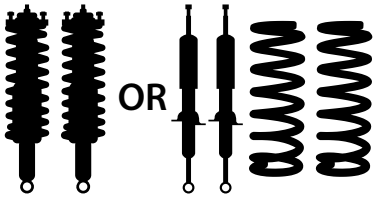
**EST. LIFT FRONT: 50MM | REAR: 35MM**

TOUGH DOG 4WD Suspension ... Making Tracks Across the World

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.

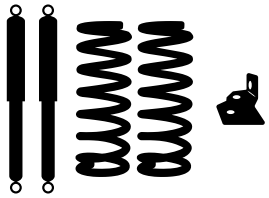



| | | |
|---|---|---|
| Assembled struts | 2 | Ea |
| OR | | |
| Struts | 2 | Ea |
| Coil Springs | 1 | Pr |
| Strut Top (Optional) | 2 | Ea |
| Upper Control Arms (Optional) | 1 | Pr |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Coil Springs | 1 | Pr |
| Sway bar bracket | 1 | Kt |
| Panhard Rod (Optional) | 1 | Ea |
| Coil Insert Airbag (Optional) | 1 | Kt |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **ASSEMBLED STRUTS - FOAM CELL** | | | | |
| Assembled struts are made up of: 1 x strut, 1 x coil 1 x strut top | | | | |
| | OE Height Up to Steel Bar & Winch | 2 | **TOY-010** | $ Ea |
| | 50mm Lift No Accessories | 2 | **TOY-003** | $ Ea |
| | 50mm Lift Up to Steel Bar & Winch | 2 | **TOY-004** | $ Ea |
| **ASSEMBLED STRUTS - 40MM ADJUSTABLE** | | | | |
| Assembled struts are made up of: 1 x strut, 1 x coil 1 x strut top | | | | |
| | OE Height Up to Steel Bar & Winch | 2 | **TOY-009** | $ Ea |
| | 50mm Lift No Accessories | 2 | **TOY-001** | $ Ea |
| | 50mm Lift Up to Steel Bar & Winch | 2 | **TOY-002** | $ Ea |
| **ASSEMBLED STRUTS - 45MM ADJUSTABLE** | | | | |
| | 50mm Lift No Accessories | 2 | **TOY-005** | $ Ea |
| | 50mm Lift Up to Steel Bar & Winch | 2 | **TOY-006** | $ Ea |
| **ASSEMBLED STRUTS - RALPH** | | | | |
| | 50mm Lift No Accessories | 2 | **TOY-007** | $ Ea |
| | 50mm Lift Up to Steel Bar & Winch | 2 | **TOY-008** | $ Ea |
| **STRUT - FOAM CELL** | | | | |
| | Up to 50mm Lift - Strut Only/ No Coil/ No Strut top | 2 | **FC404932** | $ Ea |
| **STRUT - 40MM ADJUSTABLE** | | | | |
| | Up to 50mm Lift - Strut Only/ No Coil/ No Strut top | 2 | **BM404932** | $ Ea |
| **STRUT - 45MM ADJUSTABLE** | | | | |
| | Up to 50mm Lift - Strut Only/ No Coil/ No Strut top | 2 | **BMX454932** | $ Ea |
| **STRUT - RALPH** | | | | |
| | Up to 50mm Lift - Strut Only/ No Coil/ No Strut top | 2 | **TDR4932** | $ Ea |
| 45mm Adjustable & Ralph Strut does not suit factory coils | | | | |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | Up to 35mm Lift | 2 | **FC43041** | $ Ea |
| | 35mm Lift - For use with 500kg springs Only | 2 | **FC43043** | $ Ea |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | Up to 35mm Lift | 2 | **BM403041** | $ Ea |
| **45MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | Up to 35mm Lift | 2 | **BMX3041** | $ Ea |
| **RALPH - SHOCK ABSORBER** | | | | |
| | Up to 35mm Lift | 2 | **TDR3041** | $ Ea |

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

# TOYOTA

**LANDCRUISER 300 SERIES 03/2021 ON**

**VX, GXL, GX, SAHARA**
(EXCLUDES GR SPORT AND SAHARA ZX)

**EST. LIFT FRONT: 50MM | REAR: 35MM**

TOUGH DOG 4WD Suspension ... Making Tracks Across the World

## FRONT

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **COIL SPRINGS** | | | | |
| | OE Height with FC or BM shocks inc Bar/Winch | 1 | **TDC1077** | $ Pr |
| | 50mm Lift with FC or BM shocks No Accessories | 1 | **TDC1055** | $ Pr |
| | 50mm Lift with FC or BM shocks Bar or Bar & Winch | 1 | **TDC1056** | $ Pr |
| | 50mm Lift No Accessories Fit BMX & Ralph Struts only | 1 | **TDC1057** | $ Pr |
| | 50mm Lift Bar or Bar & Winch Fit BMX & Ralph Struts only | 1 | **TDC1058** | $ Pr |

## REAR

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **COIL SPRINGS** | | | | |
| | OE Height 0-300kg load | 1 | **TDC1078** | $ Pr |
| | 35mm Lift 0-300kg load | 1 | **TDC1059** | $ Pr |
| | 35mm Lift CONSTANT 300kg load | 1 | **TDC1060** | $ Pr |
| | 35mm Lift CONSTANT 500kg load | 1 | **TDC1061** | $ Pr |

## UPPER CONTROL ARMS

| | | | | |
|---|---|---|---|---|
| | Upper Control Arms | 1 | **TDCA-011** | $ Pr |

Fitment of Tough Dog Upper Control arms to vehicles that have lifts fitted greater than 50mm may suffer from premature ball joint failure due to droop lengths. The use of strut spacers may also affect the performance and longevity of the UCA ball joint due to the limitations of the spherical bearing housing being breached or bound at full suspension droop. There will be no warranty either expressed or implied if the vehicle is used out of legal driving conditions that will include, but is not limited to, jumping of the vehicle.

## AIR ASSIST - COIL INSERT

| | | | | |
|---|---|---|---|---|
| | Coil insert bag - OEM Height | 1 | **TDAA-030** | $ Kt |
| | Coil insert bag - Up to 35mm lift | 1 | **TDAA-031** | $ Kt |

**Note:** Separate Air Assist components can be viewed on page 14.

## UPPER CONTROL ARMS - REPLACEMENT COMPONENTS

| | | | | |
|---|---|---|---|---|
| | Bush Kit to fit one UCA - for TDCA-011 | 1 | **TDSK-015** | $ Ea |
| | Ball joint kit to fit one UCA - for TDCA-011 | 1 | **TDSK-016** | $ Ea |

## AIR ASSIST - COIL INSERT WIRELESS AIR SYSTEM

| | | | | |
|---|---|---|---|---|
| | Wireless Air System Suits Coil Insert Airbags | 1 | **TDAS-002** | $ Kt |

## SWAY BAR

**COMING SOON!**

| | | | | |
|---|---|---|---|---|
| | Sway Bar (42mm) | 1 | **TDSB-017** | $ Ea |

## SWAY BAR

**COMING SOON!**

| | | | | |
|---|---|---|---|---|
| | Sway Bar (26mm) | 1 | **TDSB-018** | $ Ea |

## PANHARD ROD

| | | | | |
|---|---|---|---|---|
| | Adjustable Panhard Rod | 1 | **TDPR-027** | $ Ea |
| | Rear Panhard rod replacement bush kit | 1 | **TDUK-032** | $ Kt |

## FRONT INDIVIDUAL COMPONENTS

| | | | | |
|---|---|---|---|---|
| | Strut Top | 2 | **TOY-4932** | $ Ea |

## REAR INDIVIDUAL COMPONENTS

| | | | | |
|---|---|---|---|---|
| | Rear Sway Bar bracket | 1 | **TDSP-028** | $ Kt |

**Note:** Must be fitted with every Kit

## FRONT REPLACEMENT BUSHES (QTY PER SHOCK)

| | | | | |
|---|---|---|---|---|
| | Replacement bush kit | 1 | **TDUK-057** | $ Ea |

## REAR REPLACEMENT BUSHES (QTY PER SHOCK)

| | | | | |
|---|---|---|---|---|
| | Replacement bush kit | 1 | **TDUK-058** | $ Ea |

**FOR GVM UPGRADES, SEE PAGE 260**

ALL PRICES EXCLUDE FREIGHT. INCLUDE ONLY PERMANENT ACCESSORIES & WEIGHTS WHEN SELECTING SPRINGS. TOWING WEIGHT IS NOT INCLUDED

# GVM UPGRADE

## TOYOTA LANDCRUISER 300 SERIES

GX / GXL / VX / SAHARA (EXC. SAHARA ZX / GR SPORT) 07/21 ON

FROM **3280KG*** TO **4139KG***

### WHAT YOU GET:

- EXTRA PAYLOAD UP TO **859KG**
- UPGRADED SUSPENSION
- IMPROVED HANDLING & LOAD CARRYING

| VEHICLE SPECIFICATIONS | | |
|---|---|---|
| DESCRIPTION | ORIGINAL EQUIPMENT | TOUGH DOG |
| FRONT AXLE RATING | 1630KG | **1900KG** |
| REAR AXLE RATING | 1930KG | **2239KG** |
| GROSS VEHICLE MASS (GVM) | 3280KG | **4139KG** |
| TOWING CAPACITY (BRAKED) | 3500KG | **3500KG** |
| GROSS COMBINED MASS (GCM) | 6750KG | **6750KG** |
| • Payload increase is based on model variant. | | |

TOUGH DOG GVM UPGRADES CAN ONLY BE ORDERED THROUGH A TOUGH DOG APPROVED GVM DEALER

GX / GXL / VX / SAHARA (EXC. SAHARA ZX / GR SPORT) 07/21 ON

| DESCRIPTION | GVM UPGRADE | PART NO | RRP |
|---|---|---|---|
| SHOCKS: FOAM CELL | 4139KG | TDGVM-041 | |

## LOGIN INTO THE DEALER PORTAL TO START YOUR GVM ORDER!

**WWW.TOUGHDOG.COM.AU/DEALER/PORTALHOME**

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

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# TOYOTA

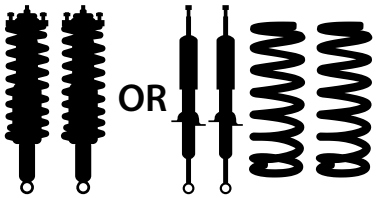
**PRADO**
**95 SERIES**
**07/1996-2003**
**EST. LIFT FRONT: 40MM | REAR: 40MM**

TOUGH DOG 4WD Suspension ... Making Tracks Across the World

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.

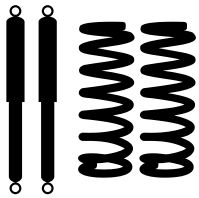



| | | |
|---|---|---|
| Assembled struts | 2 | Ea |
| OR | | |
| Struts | 2 | Ea |
| Coil Springs | 1 | Pr |
| Strut Top (Optional) | 2 | Ea |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Coil Springs | 1 | Pr |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **ASSEMBLED STRUTS - FOAM CELL** | | | | |
| Assembled struts are made up of: 1 x strut, 1 x coil 1 x strut top | | | | |
| | OE Height - Up to Steel Bar | 1 | TOY-095/05-LH | $ Ea |
| | | 1 | TOY-095/05-RH | |
| | 40mm Lift - Up to Steel Bar | 1 | TOY-095/03-LH | $ Ea |
| | | 1 | TOY-095/03-RH | |
| | 40mm Lift - with Steel Bar & Winch | 1 | TOY-095/04-LH | $ Ea |
| | | 1 | TOY-095/04-RH | |
| **ASSEMBLED STRUTS - 40MM ADJUSTABLE** | | | | |
| Assembled struts are made up of: 1 x strut, 1 x coil 1 x strut top | | | | |
| | OE Height - Up to Steel Bar | 1 | TOY-095/06-LH | $ Ea |
| | | 1 | TOY-095/06-RH | |
| | 40mm Lift - Up to Steel Bar | 1 | TOY-095/01-LH | $ Ea |
| | | 1 | TOY-095/01-RH | |
| | 40mm Lift - with Steel Bar & Winch | 1 | TOY-095/02-LH | $ Ea |
| | | 1 | TOY-095/02-RH | |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | OE Height | 2 | FC41108 | $ Ea |
| | 40mm Lift | 2 | FC41113 | $ Ea |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | OE Height | 2 | BM401108 | $ Ea |
| | 40mm Lift | 2 | BM401113 | $ Ea |

| | | | | |
|---|---|---|---|---|
| **STRUT - FOAM CELL** | | | | |
| | Up to 40mm Lift - Strut Only/ No Coil/ No Strut top | 2 | FC404100 | $ Ea |
| **STRUT - 40MM ADJUSTABLE** | | | | |
| | Up to 40mm Lift - Strut Only/ No Coil/ No Strut top | 2 | BM404100 | $ Ea |

| | | | | |
|---|---|---|---|---|
| **COIL SPRINGS** | | | | |
| | OE height Up to steel bar | 1 | TDC971S | $ Pr |
| | 40mm lift Up to steel bar | 1 | TDC971 | $ Pr |
| | 40mm lift with steel bar & winch | 1 | TDC971H | $ Pr |

| | | | | |
|---|---|---|---|---|
| **COIL SPRINGS** | | | | |
| | 25mm Lift 0-300kg load | 1 | TDC973S | $ Pr |
| | 40mm Lift 0-300kg load | 1 | TDC973 | $ Pr |
| | 40mm Lift CONSTANT 300kg load | 1 | TDC973H | $ Pr |

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

# TOYOTA

**PRADO**
**95 SERIES**
**07/1996-2003**
**EST. LIFT FRONT: 40MM | REAR: 40MM**

## FRONT

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FRONT INDIVIDUAL COMPONENTS** | | | | |
| | Strut Top | 2 | **TOY-1081** | $ Ea |

| FRONT REPLACEMENT BUSHES (QTY PER SHOCK) | | | | |
|---|---|---|---|---|
| | Fits bottom eyering | 1 | **ADJ300/40A** | $ Ea |

## REAR

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|

| REAR REPLACEMENT BUSHES (QTY PER SHOCK) | | | | |
|---|---|---|---|---|
| | Fits top pin | 2 | **TW959** | $ Ea |
| | Fits bottom eyering | 1 | **ADJ00191** | $ Ea |

# TOYOTA

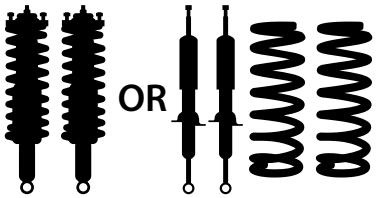
**PRADO**
**120 SERIES**
**02/2003-2010**
**EST. LIFT FRONT: 40MM | REAR: 40MM**

TOUGH DOG 4WD Suspension ... Making Tracks Across the World

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.

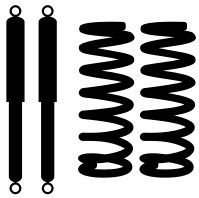



| | | |
|---|---|---|
| Assembled struts | 2 | Ea |
| OR | | |
| Struts | 2 | Ea |
| Coil Springs | 1 | Pr |
| Strut Top (Optional) | 1 | Ea |
| Upper Control Arms (Optional) | 1 | Pr |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Coil Springs | 1 | Pr |
| Coil Insert Airbag (Optional) | 1 | Kt |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **ASSEMBLED STRUTS - FOAM CELL** | | | | |
| Assembled struts are made up of: 1 x strut, 1 x coil 1 x strut top | | | | |
| | OE height - Up to steel bar | 1 | TOY-120/07-LH | $ Ea |
| | | 1 | TOY-120/07-RH | |
| | 40mm lift - Up to steel bar | 1 | TOY-120/03-LH | $ Ea |
| | | 1 | TOY-120/03-RH | |
| | 40mm lift - With steel bar & winch | 1 | TOY-120/04-LH | $ Ea |
| | | 1 | TOY-120/04-RH | |
| **ASSEMBLED STRUTS - 40MM ADJUSTABLE** | | | | |
| Assembled struts are made up of: 1 x strut, 1 x coil 1 x strut top | | | | |
| | OE height - with steel bar | 1 | TOY-120/08-LH | $ Ea |
| | | 1 | TOY-120/08-RH | |
| | 40mm lift - Up to steel bar | 1 | TOY-120/01-LH | $ Ea |
| | | 1 | TOY-120/01-RH | |
| | 40mm lift - with steel bar & winch | 1 | TOY-120/02-LH | $ Ea |
| | | 1 | TOY-120/02-RH | |
| **FOAM CELL - STRUT** | | | | |
| | Up to 40mm Lift - Strut Only/ No Coil/ No Strut top | 2 | FC404400 | $ Ea |
| **40MM ADJUSTABLE - STRUT** | | | | |
| | Up to 40mm Lift - Strut Only/ No Coil/ No Strut top | 2 | BM404400 | $ Ea |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | 40mm Lift | 2 | FC41116 | $ Ea |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | 40mm Lift | 2 | BM401116 | $ Ea |

| COIL SPRINGS | | | | |
|---|---|---|---|---|
| | OE height Up to steel bar | 1 | TDC974S | $ Pr |
| | 40mm lift Up to steel bar | 1 | TDC974 | $ Pr |
| | 40mm lift with steel bar & winch | 1 | TDC974H | $ Pr |

| COIL SPRINGS - LWB | | | | |
|---|---|---|---|---|
| | OE Height 0-300kg load | 1 | TDC975S | $ Pr |
| | 40mm Lift 0-300kg load | 1 | TDC975 | $ Pr |
| | 40mm Lift CONSTANT 300kg load | 1 | TDC975H | $ Pr |
| **COIL SPRINGS - SWB** | | | | |
| | 40mm Lift 0-300kg load | 1 | TDC975S | $ Pr |
| | 40mm Lift CONSTANT 300kg load | 1 | TDC975 | $ Pr |

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

# TOYOTA

**PRADO**
**120 SERIES**
**02/2003-2010**
**EST. LIFT FRONT: 40MM | REAR: 40MM**

## FRONT

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|

## REAR

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|

### OEM AIRBAG VEHICLES

**Note:** On conversion (replacing dampers only)
The electronically controlled dampers on the 120 series Prado can be replaced with Tough Dog Shock Absorbers without error indicators appearing on the instrument cluster. It is imperative that all four Shock Absorber are replaced at the same time. If operating correctly, the electronically adjustable height control of the rear air springs will not be affected if all four dampers are replaced at the same time.

**Note:** On conversion (replacing airbags & dampers)
When converting from air springs to conventional coils at the rear of the 120 series Prado, the electronic workaround detailed in the instructions provided with the rear springs prevents the error indicator from being displayed in the instrument cluster. The electronic workaround will also disable the electronic dampering system, it is therefore important that all four dampers be replaced if the air bag system is converted to Coil Springs.
Toyota genuine bump stop part number 48302-60080 spring-seat sub-assembly should be ordered through Toyota.

### COIL SPRINGS - AIRBAG CONVERSION

| | | | | | |
|---|---|---|---|---|---|
| | 40mm Lift 0-300kg load | 1 | **TDC975AB** | $ | Pr |
| | 40mm Lift CONSTANT 300kg load | 1 | **TDC975HAB** | $ | Pr |

**Note:** Separate Air Assist components can be viewed on page 14.

### UPPER CONTROL ARMS

| | | | | | |
|---|---|---|---|---|---|
| | Upper Control Arms | 1 | **TDCA-005** | $ | Pr |

Fitment of Tough Dog Upper Control arms to vehicles that have lifts fitted greater than 50mm may suffer from premature ball joint failure due to droop lengths. The use of strut spacers may also affect the performance and longevity of the UCA ball joint due to the limitations of the spherical bearing housing being breached or bound at full suspension droop. There will be no warranty either expressed or implied if the vehicle is used out of legal driving conditions that will include, but is not limited to, jumping of the vehicle.

### AIR ASSIST - COIL INSERT

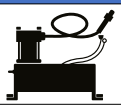
| | | | | | |
|---|---|---|---|---|---|
| | OE height Coil insert bag kit | 1 | **TDAA-020** | $ | Kt |
| | 40mm lift Coil insert bag kit | 1 | **TDAA-009** | $ | Kt |

**Note:** Separate Air Assist components can be viewed on page 14.

### UPPER CONTROL ARMS - REPLACEMENT COMPONENTS

| | | | | | |
|---|---|---|---|---|---|
| | Bush Kit to fit one UCA - for TDCA-005 | 1 | **TDSK-007** | $ | Kt |
| | Ball joint kit to fit one UCA - for TDCA-005 | 1 | **TDSK-008** | $ | Kt |

### AIR ASSIST - COIL INSERT WIRELESS AIR SYSTEM

| | | | | | |
|---|---|---|---|---|---|
|  | Wireless Air System Suits Coil Insert Airbags | 1 | **TDAS-002** | $ | Kt |

### FRONT INDIVIDUAL COMPONENTS

| | | | | | |
|---|---|---|---|---|---|
| | Strut Top | 2 | **TOY-1084** | $ | Ea |
| | 76mm Hole Spacing Sway Bar Spacer | 1 | **TDSP-011** | $ | Ea |

### FRONT REPLACEMENT BUSHES (QTY PER SHOCK)

| | | | | | |
|---|---|---|---|---|---|
| | Front bottom eyering | 1 | **ADJ300/40A** | $ | Ea |

### REAR REPLACEMENT BUSHES (QTY PER SHOCK)

| | | | | | |
|---|---|---|---|---|---|
| | Rear top pin | 2 | **TW967** | $ | Ea |
| | Rear bottom eyering | 1 | **415024** | $ | Ea |

# TOYOTA

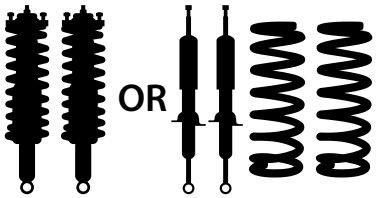
**PRADO**
**150 SERIES**
**2010 ON**
**EST. LIFT FRONT: 40MM | REAR: 40MM**

TOUGH DOG 4WD Suspension ... Making Tracks Across the World

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.

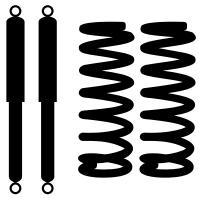



| | | |
|---|---|---|
| Assembled struts | 2 | Ea |
| OR | | |
| Struts | 2 | Ea |
| Coil Springs | 1 | Pr |
| Strut Top (Optional) | 2 | Ea |
| Upper Control Arms (Optional) | 1 | Pr |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Coil Springs | 1 | Pr |
| Coil Insert Airbag (Optional) | 1 | Kt |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **ASSEMBLED STRUTS - FOAM CELL** | | | | |
| Assembled struts are made up of: 1 x strut, 1 x coil 1 x strut top | | | | |
| | Up to 40m Lift With steel bar - SWB | 1 | TOY-150/05-LH | $ Ea |
| | | 1 | TOY-150/05-RH | |
| | Up to 40m Lift With steel bar & winch - SWB | 1 | TOY-150/06-LH | $ Ea |
| | | 1 | TOY-150/06-RH | |
| | 40mm Lift Up to steel bar - LWB | 1 | TOY-150/07-LH | $ Ea |
| | | 1 | TOY-150/07-RH | |
| | With steel bar & winch - LWB | 1 | TOY-150/08-LH | $ Ea |
| | | 1 | TOY-150/08-RH | |
| **ASSEMBLED STRUTS - 40MM ADJUSTABLE** | | | | |
| Assembled struts are made up of: 1 x strut, 1 x coil 1 x strut top | | | | |
| | OE height With steel bar - SWB | 1 | TOY-150/01-LH | $ Ea |
| | | 1 | TOY-150/01-RH | |
| | Up to 40m Lift With steel bar & winch - SWB | 1 | TOY-150/02-LH | $ Ea |
| | | 1 | TOY-150/02-RH | |
| | 40mm lift With steel bar - LWB | 1 | TOY-150/03-LH | $ Ea |
| | | 1 | TOY-150/03-RH | |
| | 40mm lift With steel bar & winch - LWB | 1 | TOY-150/04-LH | $ Ea |
| | | 1 | TOY-150/04-RH | |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | 40mm Lift | 2 | FC41118 | $ Ea |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | 40mm Lift | 2 | BM401118 | $ Ea |

| STRUT - FOAM CELL | | | | |
|---|---|---|---|---|
| | Up to 40mm Lift - Strut Only/ No Coil/ No Strut top | 2 | FC404400 | $ Ea |
| **STRUT - 40MM ADJUSTABLE** | | | | |
| | Up to 40mm Lift - Strut Only/ No Coil/ No Strut top | 2 | BM404400 | $ Ea |

| COIL SPRINGS - SWB | | | | |
|---|---|---|---|---|
| | 40mm lift - Up to steel bar | 1 | TDC974S | $ Pr |
| | 40mm lift - with steel bar & winch | 1 | TDC974 | $ Pr |

| COIL SPRINGS - SWB | | | | |
|---|---|---|---|---|
| | 40mm Lift 0-300kg load | 1 | TDC975S | $ Pr |
| | 40mm Lift CONSTANT 300kg load | 1 | TDC975 | $ Pr |

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

# TOYOTA

**PRADO**
**150 SERIES**
**2010 ON**
**EST. LIFT FRONT: 40MM | REAR: 40MM**

## FRONT

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **COIL SPRINGS - LWB** | | | | |
| | 40mm Lift - Up to Steel Bar | 1 | **TDC974H** | $ Pr |
| | 40mm Lift - With Steel Bar & Winch | 1 | **TDC974HH** | $ Pr |

## REAR

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **COIL SPRINGS - LWB** | | | | |
| | OE Height 0-300kg load | 1 | **TDC975S** | $ Pr |
| | 40mm Lift 0-300kg load | 1 | **TDC975** | $ Pr |
| | 40mm Lift CONSTANT 300kg load | 1 | **TDC975H** | $ Pr |

## UPPER CONTROL ARMS

| | | | | |
|---|---|---|---|---|
| | Upper Control Arms | 1 | **TDCA-005** | $ Pr |

Fitment of Tough Dog Upper Control arms to vehicles that have lifts fitted greater than 50mm may suffer from premature ball joint failure due to droop lengths. The use of strut spacers may also affect the performance and longevity of the UCA ball joint due to the limitations of the spherical bearing housing being breached or bound at full suspension droop. There will be no warranty either expressed or implied if the vehicle is used out of legal driving conditions that will include, but is not limited to, jumping of the vehicle.

## AIR ASSIST - COIL INSERT

| | | | | |
|---|---|---|---|---|
| | OE height Coil insert bag kit | 1 | **TDAA-020** | $ Kt |
| | 40mm lift Coil insert bag kit | 1 | **TDAA-009** | $ Kt |

**Note:** Separate Air Assist components can be viewed on page 14.

## UPPER CONTROL ARMS - REPLACEMENT COMPONENTS

| | | | | |
|---|---|---|---|---|
| | Bush Kit to fit one UCA - for TDCA-005 | 1 | **TDSK-007** | $ Kt |
| | Ball joint kit to fit one UCA - for TDCA-005 | 1 | **TDSK-008** | $ Kt |

## AIR ASSIST - COIL INSERT WIRELESS AIR SYSTEM

| | | | | |
|---|---|---|---|---|
| | Wireless Air System Suits Coil Insert Airbags | 1 | **TDAS-002** | $ Kt |

## FRONT INDIVIDUAL COMPONENTS

| | | | | |
|---|---|---|---|---|
| | Strut Top | 2 | **TOY-1083** | $ Ea |
| | 83mm Hole Spacing Sway Bar Spacer | 1 | **TDSP-012** | $ Kt |

## FRONT REPLACEMENT BUSHES (QTY PER SHOCK)

| | | | | |
|---|---|---|---|---|
| | Front bottom eyering | 1 | **ADJ300/40A** | $ EA |

## REAR REPLACEMENT BUSHES (QTY PER SHOCK)

| | | | | |
|---|---|---|---|---|
| | Rear top pin | 2 | **TW967** | $ Ea |
| | Rear bottom eyering | 1 | **415024** | $ Ea |

ALL PRICES EXCLUDE FREIGHT. INCLUDE ONLY PERMANENT ACCESSORIES & WEIGHTS WHEN SELECTING SPRINGS. TOWING WEIGHT IS NOT INCLUDED

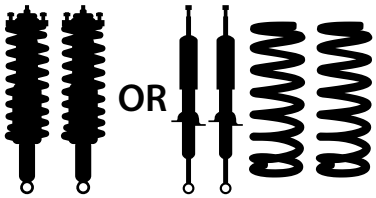
# TOYOTA
## FJ CRUISER

**2011-2016**
**EST. LIFT FRONT: 40MM | REAR: 40MM**

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.




| | | |
|---|---|---|
| Assembled struts | 2 | Ea |
| OR | | |
| Struts | 2 | Ea |
| Coil Springs | 1 | Pr |
| Strut Top (Optional) | 2 | Ea |
| Upper Control Arms (Optional) | 1 | Pr |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **ASSEMBLED STRUTS - FOAM CELL** | | | | |
| Assembled struts are made up of: 1 x strut, 1 x coil 1 x strut top | | | | |
| | Up to steel bar | 1 | **TOY-150/07-LH** | $ Ea |
| | | 1 | **TOY-150/07-RH** | |
| | With steel bar & winch | 1 | **TOY-150/08-LH** | $ Ea |
| | | 1 | **TOY-150/08-RH** | |
| | **ASSEMBLED STRUTS - 40MM ADJUSTABLE** | | | |
| | Assembled struts are made up of: 1 x strut, 1 x coil 1 x strut top | | | |
| | Up to steel bar | 1 | **TOY-150/03-LH** | $ Ea |
| | | 1 | **TOY-150/03-RH** | |
| | With steel bar & winch | 1 | **TOY-150/04-LH** | $ Ea |
| | | 1 | **TOY-150/04-RH** | |

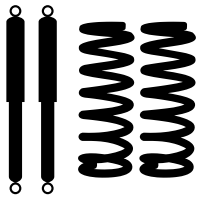
| | | | | |
|---|---|---|---|---|
| **STRUT - FOAM CELL** | | | | |
| | Up to 40mm Lift - Strut Only/ No Coil/ No Strut top | 2 | **FC404400** | $ Ea |
| | **STRUT - 40MM ADJUSTABLE** | | | |
| | Up to 40mm Lift - Strut Only/ No Coil/ No Strut top | 2 | **BM404400** | $ Ea |

| | | | | |
|---|---|---|---|---|
| **COIL SPRINGS** | | | | |
| | 40mm lift - Up to steel bar | 1 | **TDC974H** | $ Pr |
| | 40mm lift - with steel bar & winch | 1 | **TDC974HH** | $ Pr |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Coil Springs | 1 | Pr |
| Coil Insert Airbag (Optional) | 1 | Kt |

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | 40mm Lift | 2 | **FC41116** | $ Ea |
| | **40MM ADJUSTABLE - SHOCK ABSORBER** | | | |
| | 40mm Lift | 2 | **BM401116** | $ Ea |

| | | | | |
|---|---|---|---|---|
| **COIL SPRINGS** | | | | |
| | 40mm Lift 0-300kg load | 1 | **TDC975** | $ Pr |
| | 40mm Lift CONSTANT 300kg load | 1 | **TDC975H** | $ Pr |

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

# TOYOTA
## FJ CRUISER

**2011-2016**
**EST. LIFT FRONT: 40MM | REAR: 40MM**

TOUGH DOG 4WD Suspension ... Making Tracks Across the World

## FRONT

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **UPPER CONTROL ARMS** | | | | |
| | Upper Control Arms | 1 | **TDCA-005** | $ Pr |

Fitment of Tough Dog Upper Control arms to vehicles that have lifts fitted greater than 50mm may suffer from premature ball joint failure due to droop lengths. The use of strut spacers may also affect the performance and longevity of the UCA ball joint due to the limitations of the spherical bearing housing being breached or bound at full suspension droop. There will be no warranty either expressed or implied if the vehicle is used out of legal driving conditions that will include, but is not limited to, jumping of the vehicle.

## REAR

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **AIR ASSIST - COIL INSERT** | | | | |
| | OE height Coil insert bag kit | 1 | **TDAA-020** | $ Kt |
| | 40mm lift Coil insert bag kit | 1 | **TDAA-009** | $ Kt |

**Note:** Separate Air Assist components can be viewed on page 14.

| UPPER CONTROL ARMS - REPLACEMENT COMPONENTS | | | | |
|---|---|---|---|---|
| | Bush Kit to fit one UCA - for TDCA-005 | 1 | **TDSK-007** | $ Kt |
| | Ball joint kit to fit one UCA - for TDCA-005 | 1 | **TDSK-008** | $ Kt |

| AIR ASSIST - COIL INSERT WIRELESS AIR SYSTEM | | | | |
|---|---|---|---|---|
| | Wireless Air System Suits Coil Insert Airbags | 1 | **TDAS-002** | $ Kt |

| FRONT INDIVIDUAL COMPONENTS | | | | |
|---|---|---|---|---|
| | Strut Top | 2 | **TOY-1083** | $ Ea |
| | Swaybar spacer kit - 76mm spacing - 2006-2009 vehicles | 1 | **TDSP-011** | $ Ea |
| | Swaybar spacer kit - 83mm spacing - 2010 on vehicles | 1 | **TDSP-012** | $ Ea |

| FRONT REPLACEMENT BUSHES (QTY PER SHOCK) | | | | |
|---|---|---|---|---|
| | Front bottom eyering | 1 | **ADJ300/40A** | $ Ea |

| REAR REPLACEMENT BUSHES (QTY PER SHOCK) | | | | |
|---|---|---|---|---|
| | Rear top pin | 2 | **TW967** | $ Ea |
| | Rear bottom eyering | 1 | **415024** | $ Ea |

# TOYOTA

**RAV 4**
**SXA, 10, 11**
**05/1994-2000**
**EST. LIFT FRONT: 30MM | REAR: 30MM**

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.

| | | | |
|---|---|---|---|
| Shock Absorber | 2 | Ea |
| Coil Springs | 1 | Pr |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.

| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Coil Springs | 1 | Pr |

## FRONT

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **NITROGEN GAS - STRUT** | | | | |
| | Up to 30mm lift | 2 | **BDS4001** | $ Ea |

| | | | | |
|---|---|---|---|---|
| **COIL SPRINGS** | | | | |
| | 30mm lift | 1 | **TDC981** | $ Pr |

## REAR

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **NITROGEN GAS - SHOCK ABSORBER** | | | | |
| | Up to 30mm lift | 2 | **BD1106TB** | $ Ea |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | 30mm lift | 2 | **BM401106** | $ Ea |

| | | | | |
|---|---|---|---|---|
| **COIL SPRINGS** | | | | |
| | 30mm lift | 1 | **TDC982** | $ Pr |

| | | | | |
|---|---|---|---|---|
| **REAR INDIVIDUAL COMPONENTS** | | | | |
| | Fits top pin | | **TW959** | $ Ea |
| | Fits bottom eyering | | **ADJ00191** | $ Ea |

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

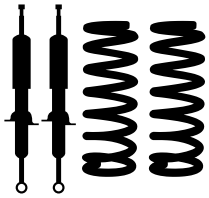
# TOYOTA

**TUNDRA**
**UCK, UPK, USK 55, 56**
**03/2007 - 12/2021**
**EST. LIFT FRONT: 45MM | REAR: 45MM**

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.

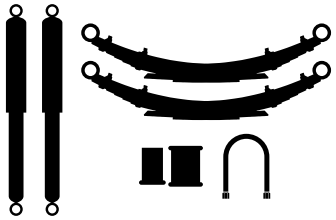


| | | |
|---|---|---|
| Struts | 2 | Ea |
| Coil Springs | 1 | Pr |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Leaf Spring | 2 | Ea |
| Chassis Mount Bushes | 1 | Kt |
| U-Bolts Kits | 2 | Kt |

## FRONT

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **STRUT - FOAM CELL** | | | | |
| | Up to 45mm lift - Strut Only/ No Coil/ No Strut top | 2 | **FC404910** | $ Ea |
| **STRUT - 40MM ADJUSTABLE** | | | | |
| | Up to 45mm lift - Strut Only/ No Coil/ No Strut top | 2 | **BM404910** | $ Ea |

## REAR

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | Up to 45mm lift | 2 | **FC41117** | $ Ea |
| **40MM ADJUSTABLE - SHOCK ABSORBER** | | | | |
| | 45mm lift | 2 | **BM401117** | $ Ea |

## COIL SPRINGS

| | | | | |
|---|---|---|---|---|
| | 45mm lift - No bar or alloy bullbar | 1 | **TDC930L** | $ Pr |
| | 45mm lift - With steel bar or bar & winch | 1 | **TDC930HL** | $ Pr |

## LEAF SPRINGS

| | | | | |
|---|---|---|---|---|
| | 0-300kg load 45mm Lift - Includes bushes in spring | 2 | **FS701** | $ Ea |

## REAR INDIVIDUAL COMPONENTS

| | | | | |
|---|---|---|---|---|
| | Urethane chassis mount bush kit - Required for fitting FS701 springs | 1 | **TDUK-076** | $ Kt |
| | U-Bolt kit | 2 | **TDUB-016HD** | $ Kt |
| | Urethane shackle bush kit - Not required when ordering FS701 | 1 | **TDUK-074** | $ Kt |

**Note:** TDUK-074 not required when ordering rear suspension, as the bushes are already fitted to springs.

# UAZ

## UAZ, HUNTER, PATRIOT

**1965 ON**

**EST. LIFT FRONT: 40MM | REAR: 40MM**

### FRONT

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| Suit UAZ 452 (1965-1972), UAZ 469 (1972-1985), UAZ 3151 (1985-2003) | | | | |
| | Up to 40mm lift | 2 | **FC41382** | $ Ea |
| | **40MM ADJUSTABLE - SHOCK ABSORBER** | | | |
| | Up to 40mm lift | 2 | **BM401382** | $ Ea |
| | **FOAM CELL - SHOCK ABSORBER** | | | |
| | Suit hunter (2003 on) | | | |
| | Up to 40mm lift | 2 | **FC41391** | $ Ea |
| | **40MM ADJUSTABLE - SHOCK ABSORBER** | | | |
| | Up to 40mm lift | 2 | **BM401391** | $ Ea |
| | **FOAM CELL - SHOCK ABSORBER** | | | |
| | Suit Patriot (2005 on) | | | |
| | Up to 40mm lift | 2 | **FC41150** | $ Ea |
| | **40MM ADJUSTABLE - SHOCK ABSORBER** | | | |
| | Up to 40mm lift | 2 | **BM 401150** | $ Ea |

### REAR

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| Suit UAZ 452 (1965-1972), UAZ 469 (1972-1985), UAZ 3151 (1985-2003) | | | | |
| | Up to 40mm lift | 2 | **FC41382** | $ Ea |
| | **40MM ADJUSTABLE - SHOCK ABSORBER** | | | |
| | Up to 40mm lift | 2 | **BM401382** | $ Ea |
| | **FOAM CELL - SHOCK ABSORBER** | | | |
| | Suit hunter (2003 on) | | | |
| | Up to 40mm lift | 2 | **FC41389** | $ Ea |
| | **40MM ADJUSTABLE - SHOCK ABSORBER** | | | |
| | Up to 40mm lift | 2 | **BM401389** | $ Ea |
| | **FOAM CELL - SHOCK ABSORBER** | | | |
| | Suit Patriot (2005 on) | | | |
| | Up to 40mm lift | 2 | **FC41389** | $ Ea |
| | **40MM ADJUSTABLE - SHOCK ABSORBER** | | | |
| | Up to 40mm lift | 2 | **BM 401389** | $ Ea |

### COIL SPRINGS

| | | | | |
|---|---|---|---|---|
| | OE height | 1 | **TDC150SL** | $ Pr |
| | 40mm lift<br>Up to steel bar | 1 | **TDC150L** | $ Pr |
| | 40mm lift<br>with steel bar & winch | 1 | **TDC150HL** | $ Pr |

### LEAF SPRINGS

| | | | | |
|---|---|---|---|---|
| | 0-300kg load | 2 | **FS160H** | $ Ea |
| | CONSTANT 300kg load | 2 | **FS160HH** | $ Ea |

FITTING SHEET (LOCATED PAGE 278) MUST BE COMPLETED WHEN SUSPENSION FITTED. FAILURE TO COMPLY MAY AFFECT WARRANTY.

# VOLKSWAGEN
## AMAROK

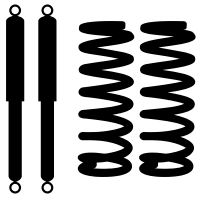
**2010 ON**
**EST. LIFT FRONT: 20MM | REAR: 20MM**

TOUGH DOG 4WD Suspension ... Making Tracks Across the World

## FRONT

### FRONT SUSPENSION CHECK LIST

You need to order the following items for the front end of your vehicle.

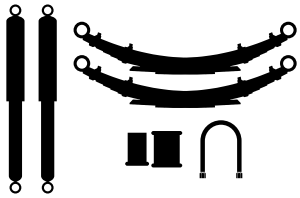


| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Coil Springs | 1 | Pr |
| Upper Control Arms (Optional) | 1 | Pr |

## REAR

### REAR SUSPENSION CHECK LIST

You need to order the following items for the rear end of your vehicle.



| | | |
|---|---|---|
| Shock Absorber | 2 | Ea |
| Leaf Spring | 2 | Ea |
| Urethane Shackle Bushes | 1 | Kt |
| U-Bolts Kits | 1 | Kt |
| Bellows Airbag (Optional) | 1 | Kt |

## FRONT

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| **Note:** Not suitable with OE coils. | | | | |
| | 20mm lift | 2 | **FC404730** | $ Ea |
| | **40MM ADJUSTABLE - SHOCK ABSORBER** | | | |
| | **Note:** Not suitable with OE coils. | | | |
| | 20mm lift | 2 | **BM404730** | $ Ea |

## REAR

| CONTENT | DESCRIPTION | QTY | PART NO | RRP |
|---|---|---|---|---|
| **FOAM CELL - SHOCK ABSORBER** | | | | |
| | Up to 20mm lift | 2 | **FC41390** | $ Ea |
| | **40MM ADJUSTABLE - SHOCK ABSORBER** | | | |
| | Up to 20mm lift | 2 | **BM401390** | $ Ea |

## COIL SPRINGS - 2.0L ENGINE ONLY

**Note:** Only suitable with TD shocks

| | | | |
|---|---|---|---|
| 20mm lift Up to steel bar | 1 | **TDC110L** | $ Pr |
| 20mm lift with steel bar & winch | 1 | **TDC110HL** | $ Pr |

## COIL SPRINGS - 3.0L V6 ENGINE ONLY

**Note:** Only suitable with TD shocks

| | | | |
|---|---|---|---|
| 20mm lift Up to steel bar | 1 | **TDC120L** | $ Pr |
| 20mm lift with steel bar & winch | 1 | **TDC120HL** | $ Pr |

## LEAF SPRINGS

| | | | |
|---|---|---|---|
| 0-300kg load | 2 | **FS710M** | $ Ea |
| CONSTANT 300kg load | 2 | **FS710HM** | $ Ea |

## REAR INDIVIDUAL COMPONENTS

| | | | | |
|---|---|---|---|---|
| | Urethane shackle bush kit (leaf) | 1 | **TDUK-072** | $ Kt |
| | Urethane shackle bush kit (chassis) | 1 | **TDUK-075** | $ Kt |
| **Note:** Amarok chassis bush has two thicknesses - TDUK-075 includes both sizes. Please install the correct set. | | | | |
| | U-bolt kit | 2 | **TDUB-005** | $ KT |

## UPPER CONTROL ARMS

| | | | | |
|---|---|---|---|---|
| | Upper Control Arms | 1 | **TDCA-008** | $ Pr |

Fitment of Tough Dog Upper Control arms to vehicles that have lifts fitted greater than 50mm may suffer from premature ball joint failure due to droop lengths. The use of strut spacers may also affect the performance and longevity of the UCA ball joint due to the limitations of the spherical bearing housing being breached or bound at full suspension droop. There will be no warranty either expressed or implied if the vehicle is used out of legal driving conditions that will include, but is not limited to, jumping of the vehicle.

## AIR ASSIST - BELLOWS

| | | | | |
|---|---|---|---|---|
| | Bellows bag kit Up to Up to 20mm lift | 1 | **TDAA-114** | $ Kt |

**Note:** Separate Air Assist components can be viewed on page 14.

## UPPER CONTROL ARMS - REPLACEMENT COMPONENTS

| | | | | |
|---|---|---|---|---|
| | Bush Kit to fit one UCA - for TDCA-008 | 1 | **TDSK-013** | $ Kt |
| | Ball joint kit to fit one UCA - for TDCA-008 | 1 | **TDSK-014** | $ Kt |

## AIR ASSIST - BELLOWS WIRELESS AIR SYSTEM

| | | | | |
|---|---|---|---|---|
| | Wireless Air System Suits Bellows Airbags | 1 | **TDAS-001** | $ Kt |

ALL PRICES EXCLUDE FREIGHT. INCLUDE ONLY PERMANENT ACCESSORIES & WEIGHTS WHEN SELECTING SPRINGS. TOWING WEIGHT IS NOT INCLUDED

COILOVER SETUP CAN BE COMPLEX - PLEASE CALL (02) 9672 8899 TO TAILOR A SOLUTION

## COILOVER SETUPS

| CONTENT | PART NO | QTY | DESCRIPTION | RRP |
|---|---|---|---|---|
| | | | **SHOCK ABSORBER** | |
| | **BMX45305** | 2 | 12" Travel Shock (505/810mm) | |
| | **BMX45356** | 2 | 14" Travel Shock (565/910mm) | |
| | **BMX45406** | 2 | 16" Travel Shock (610/1015mm) | |
| | | | **COIL SPRINGS** | |
| | **TDC-BMX160** | 1 | 160lbs Spring | |
| | **TDC-BMX180** | 1 | 180lbs Spring | |
| | **TDC-BMX100** | 1 | 100lbs Tender Coil Springs | |
| | **TDC-BMX180T** | 1 | 180lbs Dual Rate (Tapered) Coil | |
| | | | Custom Coil Design Available - Contact us on (02) 9672 8899 | |
| | | | **COMPONENTS** | |
| | **TDUK-2000** | 1 | Urethane Spring Connector | |
| | **TDUK-2001** | 1 | Urethane Protector Sleeve | |
| | **361321** | 2 | QA1 Heim Joints | |

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## BROCHURES

COMPLETE SUSPENSION: CAT-006

FLEET: CAT-001

GVM UPGRADES: CAT-005

AIR ASSIST: CAT-003

ARMOURED: CAT-002

## CORFLUTE SIGNS

SUSPENSION: MER-007/3

PRODUCT: MER-007/4

GVM: MER-007/5

## OUTDOOR FLAGS

**2.6M FLAG**
**MER-024**

## IN-STORE DISPLAYS

**MDS KIT/WIDE 1**

**MDS KIT/WIDE 2**

**MDS KIT/SLIM 1**

# FITTING SHEET

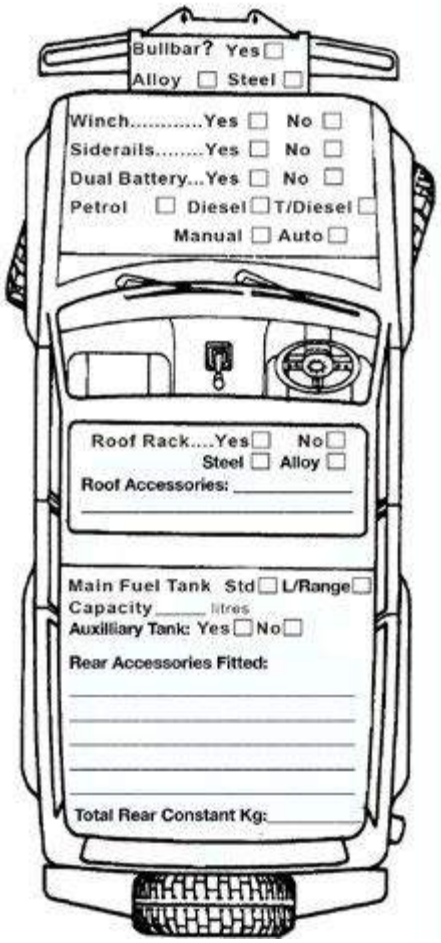
TOUGH DOG 4WD Suspension ... Making Tracks Across the World

**PLEASE COMPLETE THIS FORM FOR ALL WARRANTY AND PART RETURN REQUESTS. RETURNED ITEMS NOT ACCOMPANIED BY A FORM WILL EXPERIENCE EXTENSIVE DELAYS IN PROCESSING**

| CUSTOMER DETAILS | | | | | |
|---|---|---|---|---|---|
| FITTED BY: | | | | DATE | |
| OWNER'S NAME | | | | YEAR | |
| ADDRESS | | | | MAKE | |
| SUBURB | | POSTCODE | | MODEL | |
| PHONE NUMBER | | | | ODOMETER: | |
| EMAIL: | | | | COMMENTS: | |

Measurements should be taken from the bottom of the rim to the wheel arch on each corner. In the case of a tray, measure to the same point each time

| BEFORE & AFTER MEASUREMENTS | | AFTERMARKET FITMENTS | BEFORE & AFTER MEASUREMENTS | |
|---|---|---|---|---|
| PASSENGER FRONT SIDE | | | DRIVERS FRONT SIDE | |
| ORIGINAL HEIGHT | | | | |
| HEIGHT AFTER LIFT | | | | |
| HEIGHT 500KM SERVICE | | | | |
| SHOCK FITTED (P/N) | | | | |
| SPRING FITTED (P/N) | | | | |
| COMMENTS | | | | |




| PASSENGER REAR SIDE | | DRIVERS REAR SIDE | |
|---|---|---|---|
| ORIGINAL HEIGHT | | | |
| HEIGHT AFTER LIFT | | | |
| HEIGHT 500KM SERVICE | | | |
| SHOCK FITTED (P/N) | | | |
| SPRING FITTED (P/N) | | | |
| COMMENTS | | | |

# CLAIM FORM

TOUGH DOG 4WD Suspension ... Making Tracks Across the World

## WARRANTY & RETURNS

**PLEASE COMPLETE THIS FORM FOR ALL WARRANTY AND PART RETURN REQUESTS. RETURNED ITEMS NOT ACCOMPANIED BY A FORM WILL EXPERIENCE EXTENSIVE DELAYS IN PROCESSING**

| CUSTOMER DETAILS | | | |
|---|---|---|---|
| NAME: | | | |
| ADDRESS: | | | |
| SUBURB: | | POSTCODE: | |
| **PURCHASE DETAILS** | | | |
| DEALER NAME: | | | |
| PURCHASE DATE: | | INVOICE NO: | |

| VEHICLE DETAILS | | | | | |
|---|---|---|---|---|---|
| YEAR: | | MAKE: | | MODEL: | |

## ITEM FOR WARRANTY/RETURN

| PART NO | QTY | REASONS FOR RETURN | CREDIT AC. | REPLACE ITEM |
|---|---|---|---|---|
| | | | | |
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# DISCLAIMER FORM

TOUGH DOG 4WD Suspension ... Making Tracks Across the World

## VEHICLES LIFTED MORE THAN 50MM

**VEHICLES FITTED WITH A LIFT KIT GREATER THAN 50MM OVER ORIGINAL EQUIPMENT HEIGHT MAY REQUIRE ADDITIONAL CERTIFICATION TO REMAIN FIT FOR REGISTERED USE. CONSULT WITH YOUR DEALER ON THE STEPS TO OBTAIN ENGINEERING CERTIFICATION IN YOUR STATE / TERRITORY.**

| CUSTOMER DETAILS | | | | | |
|---|---|---|---|---|---|
| FITTED BY: | | | | DATE | |
| OWNER'S NAME | | | | YEAR | |
| ADDRESS | | | | MAKE | |
| SUBURB | | POSTCODE | | MODEL | |
| PHONE NUMBER | | | | ODOMETER: | |
| EMAIL: | | | | COMMENTS: | |

## DECLARATION

The suspension components fitted to this vehicle (Registration_____) are designed to lift the vehicle by more than 50mm. Vehicles with lifts greater than 50mm may require engineer's approval to continue to be used as a road-registered vehicle. Information on the certification process differs by jurisdiction.

Ensuring continuing compliance with the requirements of registration is the responsibility of the owner or operator of the vehicle and no liability shall be accepted by any other person. Compliance of the vehicle may be undertaken with the assistance of a qualified certifying engineer, at the expense of the vehicle owner.

| SCHEDULE OF PARTS FITTED | | |
|---|---|---|
| | FRONT | REAR |
| SHOCK ABSORBER | | |
| COIL SPRINGS | | |
| STEERING STABILIZER | | |
| PANHARD RODS | | |
| CASTOR BUSHES/ PLATES | | |
| TRANSMISSION SPACERS | | |
| BRAKE HOSES | | |

Signed: _____ Date:_____

Name (Print):_____

## DISCLAIMER

4 Way Suspension Products Pty Ltd markets a range of off road products that may require certification from a qualified engineer prior to driving on public roads. The fitment of these items and the operation of the vehicle on public roads or road related areas prior to certification may render the vehicle unroadworthy, and may affect the status of your registration. Please check with the relevant ADR authorities in your state or territory and a qualified engineer.
Details of suitable engineers are provided by the state/territory authority.

# PURCHASE ORDER FORM

PLEASE COMPLETE THIS FORM FOR ALL WARRANTY AND PART RETURN REQUESTS.
RETURNED ITEMS NOT ACCOMPANIED BY A FORM WILL EXPERIENCE EXTENSIVE DELAYS IN PROCESSING

| CUSTOMER DETAILS | | | | | |
|---|---|---|---|---|---|
| NAME: | | | | DATE: | |
| ABN NO | | | | STAFF MEMBER: | |
| ADDRESS: | | | | PHONE NUMBER | |
| SUBURB | | POSTCODE | | FAX NUMBER: | |
| PHONE NUMBER | | | | EMAIL | |

| SHIPPING DETAILS - NOTE: MUST BE A BUSINESS ADDRESS - NO DROP SHIPPING | | | | | | |
|---|---|---|---|---|---|---|
| ADDRESS | | | | ORDER NUMBER: | | |
| | | | | FREIGHT SERVICE: | STANDARD | AIR / EXPRESS |
| FREIGHT (CIRCLE) | 4WAY DEFAULT | OTHER (SPECIFY): | | FREIGHT A/C NO: | | |

| SEND ORDER BY EMAIL TO SALES@4WAYSUSPENSION.COM.AU |
|---|
| |

JOIN THE PACK
READY FOR THE NEXT ADVENTURE!
ERT 850
WWW.TOUGHDOG.COM.AU