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**OLD MAN EMU**

**4 X 4 SHOCKS & SUSPENSION**

**MARCH 2002**

**APPLICATION  
CATALOGUE  
NUMBER**

**15**

**NORTH AMERICAN VERSION**

# FEATURES OF THE OLD MAN EMU 4X4 SUSPENSION

## NITROCHARGER SHOCK ABSORBERS

**GIANT 18MM CHROMED SHAFT** - Indestructible for Australia's rugged off roading. Induction hardened then hard chromed to a superfine finish.

**NITROGEN GAS** - The gas pressure keeps the oil cohesive under all situations.

**TWIN TUBE DESIGN** - New 33% thicker outer tube insures that rocks do not damage internal operating components. This design also allows for a greater volume of oil which keeps shock cooler.

**35MM SEVEN STAGE COMPRESSION VALVE** -

Delivers all the subtleties of compression rates for the best ride and handling.

**CHECK VALVE SEAL** - The latest in seal technology, this shaft seal significantly improves gas retention whilst offering excellent longevity.

**GLACIER BUSH** - A Teflon coated rod guide bush - significantly reduces heat build up in the rod guide area, developed from the Emu's off road racing program.

**GIANT 35MM TEFLON BANDED PISTON** - A new four stage coil sprung rebound valve system to control vehicle bounce.

**SUPPLEMENTARY WELDS** - On all mounting eyes & pins for maximum shock absorber mount strength.

**STONEGUARD** - Protects oil seal and piston rod against stone and dirt damage.

**WARRANTY** - Backed by our Australia wide, 2 year/25,000 mile no compromise warranty.

## STEERING DAMPERS

**COIL SPRUNG 9 STAGE VALVING** - For optimum performance

**35MM PISTON & BORE** - Greater oil volume giving better damper performance.

**TWIN TUBE DESIGN** - Protects the internal components against stone damage.

**STEEL STONEGUARD** - Protects the piston rod against stone damage.

**FOAM CELL** - Keeps the oil at the valving to prevent fade.

**ORIGINAL MOUNTS** - All mounts are of similar design to original dampers for ease of fitment.

## COIL SPRINGS

**SHOT PEENED** - To reduce stress, which greatly enhances spring life.

**DOUBLE SCRAGGED** - To eliminate spring sag.

**VARIABLE & CONSTANT RATE** - Designs used to obtain optimum ride comfort and load carrying capabilities.

## LEAF SPRING

**FLAT AXLE SEAT AREA** - Lowers spring stress while retaining spring free camber height. Unique to most OME springs.

**ANTI FRICTION INTER LEAF LINERS** - Used where applicable to reduce friction between spring leaves giving better ride comfort and increased spring life.

**SHOT PEENED** - On the tension side of all leaves to double spring life.

**DRAW TAPERED & DIAMOND CUT LEAVES** - For reduced interleaf friction and improved load distribution in the load bearing area.

**GRAPHITE COATED** - For further reduced friction.

**MILITARY WRAPPED** - For extra safety (where fitment permits).

**LOOSE CLAMPED** - For smooth & quiet operation.

## URETHANE BUSHINGS

**PREMIUM GRADE** - Not all bushings are the same - OME bushings are precision molded in captive molds to ensure exact tolerances for long bushing life.

**SPLINES** - Ensures the best fit by taking up irregularities in spring eyes.

**UNIQUE OME DESIGN** - Clever lip seal and shoulder design prevents dirt penetrating between bushing shoulder and shackle face.

## GREASABLE SHACKLES

**REDUCED WEAR** - Greasable shackles reduce shackle pin deterioration, increase bushing life, enables easy maintenance and improve ride and handling.

**ANTI INVERSION FACILITY** - Built in feature on all LandCruiser greasable shackles.

**SERVICING** - Simple & effective.

# WARRANTY

## WARRANTY STATEMENT - WRITTEN POLICY & COMMENT

**Shock Absorbers - 24 months / 25,000 miles**

**All other products - 24 months / 25,000 miles**

### FITTING WARRANTY:

In the event that your Suspension Equipment (the Kit) is fitted by a Licensed OME Fitter displaying the Licensed OME Fitter sign, ARB Corporation Limited, Old Man Emu Div. (OME) warrants:

- That the Licensed OME Fitter has undergone a training course under the supervision of OME in the proper selection, fitting and testing of suspension equipment;
- That the Licensed OME Fitter will select, fit and test the Kit in a proper and workmanlike manner.

### PRODUCT WARRANTY:

- OME warrants its products against defects in workmanship and material which caused it to perform below the specifications contained in the current OME fitting manual, for a period of twenty four (24) months or 25,000 miles, whichever comes first, from the date of retail sale, to the extent that OME will replace with a new or reconditioned part any component part the workmanship or materials of which are found to be defective according to such specifications.
- On instructions from OME, any spring or shock absorber which the customer claims to be defective should be returned, together with all mounting parts, to OME or to any Licensed OME Fitter accompanied by proof of purchase and a description of the claimed defect. The out-of-pocket cost of returning such part will be borne by OME in the event that the warranty claim is sustained.
- This Warranty does not apply to, and OME excludes liability under this warranty (but see Clause 5 below) for, damage to or wear of any component part:
  - Caused by improper or negligent use
  - Caused by installation or use on modified vehicles or on vehicles other than those recommended by OME.
  - Caused by any racing or competition use if such use does not have the prior approval of OME.
  - Occurring after 300 miles of use unless the safety check recommended by OME has taken place.
  - Occurring by use of a vehicle loaded in excess of the Gross Vehicle Mass stated in respect of the vehicle by the relevant manufacturer.
  - Where installation is not performed by a Licensed OME Fitter.
  - Where used in excessively severe conditions such as mining and some government departments.
- This warranty and all other warranties which by law may be negated shall be so negated if a suspension Kit is not fitted as a suspension system comprising entirely of OME parts.
- The benefits conferred by this warranty are in addition to the rights and remedies which the customer has under the Trade Practices Act and similar state and territory laws in respect of the Kit and services provided with respect to the Kit, by a Licensed OME Fitter or any other person.

### COMMENT:

By way of comment only, a correctly selected OME Kit, when not affected by the matters set out in Clause 3 above and fitted to a vehicle in good condition, without any individual peculiarities or uses, should have satisfactory suspension travel and rake, and not more than 10mm variation in bump stop clearances left to right hand side. The entire contents of the Technical and Fitting Manual are relevant to this comment.

Refer to the OME Technical & Fitting manual for additional comment on warranty.



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Supplying all items shown on suspension selection charts will ensure the system can be fitted, however, there will be vehicles which will not require all items, eg. trimming kits, caster kits, all U bolts shown, etc. Actual, individual vehicle requirements can only be determined when the suspension system is fitted.

## Basic Steps of **OME Product Development**

Old Man Emu's design engineers initially carry out an evaluation of a vehicle (usually new or current models, but occasionally older models). This evaluation includes road testing, component performance testing and driveline and steering geometry examination.

Road testing involves driving a vehicle over all types of terrain, with and without loads up to the manufacturer's recommended maximum. A subjective judgement is then made on how we could improve the performance of the vehicle in terms of ride, handling and control.

The suspension is then removed from the vehicle and performance tested. For the shock absorbers we need to know the valving characteristics of the shocks and for the springs we need to know the spring rates.

It is also essential that a thorough dimensional check is carried out to determine what limitations exist in suspension travel to ensure that OME's products, when they are manufactured, are a correct fit for the vehicle.

The first design task is to develop a replacement shock absorber for use with the manufacturer's original springs.

The basis of the design is to eliminate any inherent "problems" we perceive to exist with the vehicle. These problems might include body roll, pitch, poor handling on bad road surfaces or loss of traction on corrugated roads.

OME manufactures "take apart" shocks and through a series of road tests establishes what valve combination gives the best performance.

To design a suspension system the engineers firstly designed a spring and shock absorber combination which takes advantage of the maximum amount of travel that is possible (always with safety and common sense at the forefront), and is capable of carrying the desired load but is also comfortable when there is no load.

Engineering samples of springs are then produced, take apart shocks are built and valved to match the springs, and then back to road testing.

On completion of the design and testing procedure, tooling for the springs is then produced and the new system becomes a reality. Whilst the tooling is being manufactured, the engineering samples are left on a vehicle for durability testing, usually for a period of 6 months to 1 year.

### **SAFETY & DRIVE LINE GEOMETRY**

When a vehicle is lifted to achieve greater suspension travel (particularly coil spring vehicles), the caster and camber angles are altered. If the changes are too great, steering will be affected and the steering will feel much lighter. This can be dangerous, so it is important to keep the amount of lift below the safety limit or make an adjustment to the caster and camber angles to compensate for the change. Old Man Emu can supply caster kits designed for this purpose.

When a suspension kit, which lifts a vehicle, is fitted, the driveline angle changes, as does the relationship of the flanges on the differential and the transfer case. If the flanges move away from parallel by more than is specified by the vehicle manufacturer, then driveline vibration and accelerated component wear may occur. This is an important consideration in determining the maximum suspension travel for a vehicle.

## Terminologies & Explanations

**CASTER KIT:** The OMECA77B, CALR1 and CALR2 kits consist of 4 eccentric bushings which are pressed into the leading arms of the vehicle. This will induce positive caster into the front geometry after fitting raised suspension.

**COIL SPRINGS:** 'Left' & 'Right' springs often vary slightly in free camber height to compensate for vehicles with uneven weight distribution. Install taller OME spring on same side of vehicle that taller OE spring was removed from.

**EXTRA LEAF:** Not to be confused with conventional 'Add-a-leaf', OME's Extra Leaf is specifically designed to be installed or removed from modular OME leaf pack as changes to the vehicle necessitate spring rate adjustment.

**GREASABLE SHACKLES & PINS:** Replacement for original leaf spring shackles and pins allow easy regular greasing of polyurethane spring eye bushings.

**GVM - GROSS VEHICLE MASS:** Set by the vehicle manufacturer and is determined by brake, axle, differential and tire specifications. Exceeding GVM rating can have legal and safety implications and is not recommended.

**LEAF SPRINGS:** A & B springs are used to compensate for uneven vehicle weight distribution. Springs marked 'A' have a greater camber height than springs marked 'B'. 'A' type springs are generally fitted to the driver's side and 'B' springs to the passenger side.

**LIFT HEIGHT:** Approximate lift height is listed as a guide only and equates to the amount of lift over the vehicle's original ride height. This amount can vary from vehicle to vehicle and is directly related to the amount of weight suspended by the springs.

**LOAD RATING - FRONT:** Weights shown are maximum permissible loads with regard to accessories fitted.

**LOAD RATING - REAR:** These loads are approximate only. Refer to individual load specifications within.

**LIGHT LOAD:** Full passenger load with light cargo weights up to 330lbs.

**MEDIUM LOAD:** Full passenger load with cargo weight varying from 440lbs to 770lbs.

**MEDIUM TO HEAVY LOAD:** Same as medium load with an increased load capacity to manufacturer's GVM.

**HEAVY CONSTANT LOAD:** The minimum constant load shown on selection chart is required for optimum spring performance and ride quality.

**OE:** Original Equipment, as supplied by the manufacturer of the vehicle.

**SHOCK ABSORBERS:** Where two part numbers are given for the same application the part with the asterisk (\*) indicates the shock absorber with the firmer ride.

**SPRING BUSHING:** OME polyurethane spring eye bushings on installation must only be greased within the bore and flange area and regularly thereafter with Molybdenum based grease. Do not lubricate outer (splined) diameter of OME bushings.

**STEERING DAMPER:** Designed to reduce the effect of wheel vibration and improve the feel, handling and control of the vehicle, OME's steering dampers will also reduce the aggressive rotation of the steering wheel over rough roads without affecting steering wheel return.

**T CASE SPACER KIT:** Designed to space down the transfer case cross member from the chassis to reduce tail shaft flange angle thereby reducing driveline vibration.

**TRIM SPACERS:** The primary purpose of a OME trim spacer is to correct slight vehicle leaning.

**VEHICLES W/ LEAF SPRINGS UNDER AXLE:** Steel trim spacer when fitted will reduce suspension height.

**VEHICLES W/ LEAF SPRINGS OVER AXLE:** Steel trim spacer when fitted will increase suspension height.

**VEHICLES W/ COIL SPRINGS:** Polyurethane trim spacer will increase suspension height.

## Choosing Components for a Specific Application

### 1

#### FRONT SUSPENSION

**SPRING:** Determine which Front Load Rating most accurately matches the application and select the designated Spring part number. Factors that can affect Front Load Rating include: Engine type, Bumper, Winch, and other front accessories.

**SHOCK:** Choose the Shock part number listed under the same Load Rating. When a selection of Shocks are available for the same application, an asterisk (\*) will denote the Shock with the firmer ride.

### 2

#### REAR SUSPENSION

**SPRING:** Choose the appropriate Spring part number by determining which Rear Load Rating best matches the application. Factors that can affect Rear Load Rating include: Hard/Soft Top, Tire Carrier, Roof Rack, and any other accessories or load carried on a regular basis.

**SHOCK:** Choose the designated Shock part number. When a selection of Shocks are available for the same application, an asterisk (\*) will denote the Shock with the firmer ride.

### WRANGLER YJ ALL MODELS '87-'95

#### FRONT

Stock/Light Load (0-100lbs)			
	Approx. Lift	Part No.	Qty.
Spring	2.0" Ⓢ	OMEJ1F	2
Shock		N33	2
Heavy Load (100-200lbs)			
	Approx. Lift	Part No.	Qty.
Spring	1.50" Ⓢ	OMEJ1F	2
Shock		N33	2

Remarks:

- Ⓢ Use OMESB57 bushings with original shackles. Use OMESB87 bushings with OME Greasable Shackles.
- Ⓢ JWGK01 is mandatory to prevent driveline vibration.
- Ⓢ Due to a variance in curb weight, 4 cylinder models may net slightly less lift than 6 cylinder models.
- Ⓢ Extra Leaf can be fitted for heavier constant load carrying capacity - see page 42.
- Ⓢ N33L/N34L Extended Length Shocks are for 3-5" suspension lifts only and should not be installed with standard OME springs.

#### REAR

Light Load/Soft Top			
	Approx. Lift	Part No.	Qty.
Spring	2.0"	OMEJ2R	2
Shock		N34	2
Heavy Load/Hard Top			
	Approx. Lift	Part No.	Qty.
Spring	2.0"	OMEJ1R	2
Shock		N34	2

#### TO COMPLETE INSTALLATION

	Part No.	Qty.
Leaf Spring Bushing Kit	OMESB57 Ⓢ	4
T-Case Spacer Kit	JWGK01 Ⓢ	1
Steering Damper	OMESD40	1

#### OPTIONAL ACCESSORIES

	Part No.	Qty.
Greasable Shackle Kit	OMEGS11	2
Greasable Bushing Kit	OMESB87 Ⓢ	4
Front Extra Leaf	J1FXL Ⓢ	
Rear Extra Leaf	J1RXL Ⓢ	

#### ALSO AVAILABLE

	Part No.	Qty.
Front Extended Length Shocks	N33L Ⓢ	2
Rear Extended Length Shocks	N34L Ⓢ	2

### 3

#### TO COMPLETE INSTALLATION

All items listed in this section should be considered necessary for a complete installation unless otherwise noted. Failure to install any of these components could void the OME warranty.

### 4

#### OPTIONAL ACCESSORIES

This section includes items that either Upgrade a standard OME system or Correct a potential problem.

### 5

#### ALSO AVAILABLE

Items listed in this section do not suit standard OME systems and should only be used as supplemental components.

## GRAND CHEROKEE WJ ALL MODELS '99 ON

### FRONT

Stock/Light Load (0-90lbs)			
	Approx. Lift	Part No.	Qty.
Spring	1.50"	OME935	2
Shock		N111	2
Heavy Load (90-200lbs)			
	Approx. Lift	Part No.	Qty.
Spring	1.50"	OME936	2
Shock		N111	2

### REAR

Medium Load			
	Approx. Lift	Part No.	Qty.
Spring	1.50"	OME944	2
Shock		N117	2
Heavy Load			
	Approx. Lift	Part No.	Qty.
Spring	1.50"	OME945	2
Shock		N117	2

Remarks:

- ① OMESTAB1 is a lighter rate OME replacement stabilizer bar which is recommended fitment so maximum ride quality improvement can be obtained.

### TO COMPLETE INSTALLATION

	Part No.	Qty.
Front Stabilizer Bar	OMESTAB1 ①	1

### OPTIONAL ACCESSORIES

	Part No.	Qty.
Front 10mm Trim Spacer	OMEWJPF10	
Rear 10mm Trim Spacer	OMEWTJPR10	

## GRAND CHEROKEE ZJ ALL MODELS '93-'98

### FRONT 6 CYLINDER

Stock/Light Load (0-80lbs)			
	Approx. Lift	Part No.	Qty.
Spring	1.0"	OME931	2
Shock		*N39/N39C	2
Medium Load (80-160lbs)			
	Approx. Lift	Part No.	Quantity
Spring	.75"	OME930	2
Shock		*N39/N39C	2

### REAR

Medium Load			
	Approx. Lift	Part No.	Qty.
Spring	1.0"	OME940	2
Shock		*N40/N40C	2
Heavy Constant Load (220lbs to GVM)			
	Approx. Lift	Part No.	Qty.
Spring	.75"	OME943	2
Shock		N40	2

### FRONT 8 CYLINDER

Stock/Light Load (0-90lbs)			
	Approx. Lift	Part No.	Qty.
Spring	1.0"	OME934	2
Shock		N39	2
Heavy Load (90-180lbs)			
	Approx. Lift	Part No.	Quantity
Spring	.75"	OME934	2
Shock		N39	2

### TO COMPLETE INSTALLATION

	Part No.	Qty.
Steering Damper	OMESD40	1

### OPTIONAL ACCESSORIES

	Part No.	Qty.
Front 10mm Trim Spacer	OMEJGF10	
Rear 10mm Trim Spacer	OMEJGR10	

Remarks:

- ① N39L/N40L Extended Length Shocks are for 3-5" suspension lifts only and are not intended for use with any Old Man Emu systems. Modified bump stops are required.

### ALSO AVAILABLE

	Part No.	Qty.
Extended Length Shocks	N39L ①	2
Rear Extended Length Shocks	N40L ①	2

\* First part number gives firmer ride for: FRONT—Increased axle weight eg: diesel, bullbar, winch. REAR—Regular load carriers and those who prefer a positive feel.

## CHEROKEE XJ ALL MODELS '84-'01

### FRONT

#### Stock/Light Load (0-110lbs)

	Approx. Lift	Part No.	Qty.
Spring	1.75"	OME930	2
Shock		*N35/N35C	2

#### Heavy Load (110-200lbs)

	Approx. Lift	Part No.	Qty.
Spring	1.50"	OME930	2
Shock		N35	2

#### Remarks:

- ❶ OE rubber leaf spring bushings are used to isolate road noise. Install original bushings from OE springs if they are in good condition, or source new OE bushings from dealership.
- ❷ OMEU60 suits Dana 35 type axle.  
OMEU57 suits Chrysler 8.25" type axle.
- ❸ XJGK01 should be installed if driveline vibration occurs. OMECW2 Caster Wedge may be used to reduce tail shaft angle as an alternative.
- ❹ Extra Leaf can be fitted for heavier constant load carrying ability - see page 42.
- ❺ N35L/N36L Extended Length Shocks are for 3-5" suspension lifts only and are not intended for use with any Old Man Emu systems. Modified bump stops are required.

### REAR

#### Light Load

	Approx. Lift	Part No.	Qty.
Spring	2.0"	OMEJC1B	2
Shock		*N36/N36C	2

#### Medium Load

	Approx. Lift	Part No.	Qty.
Spring	3.0"	OMEJC1A	2
Shock		*N36/N36C	2

#### Heavy Constant Load

	Approx. Lift	Part No.	Qty.
Spring	2.0"	OMEJC2A	2
Shock		N36	2

### TO COMPLETE INSTALLATION

	Part No.	Qty.
Leaf Spring Bushings	OE ❶	
U Bolts	OMEU60 or OMEU57 ❷	4
T-Case Spacer Kit	XJGK01 ❸	1
Steering Damper	OMESD40	1

### OPTIONAL ACCESSORIES

	Part No.	Qty.
Front 10mm Trim Spacer	OMEJGF10	
Extra Leaf	JCXL ❹	

### ALSO AVAILABLE

	Part No.	Qty.
Front Extended Length Shocks	N35L ❺	2
Rear Extended Length Shocks	N36L ❺	2

\* First part number gives firmer ride for: FRONT—Increased axle weight eg: diesel, bullbar, winch. REAR—Regular load carriers and those who prefer a positive feel.



## WRANGLER TJ 6 CYLINDER MODELS '97 ON

### FRONT

Stock/Light Load (0-90lbs)			
	Approx. Lift	Part No.	Qty.
Spring	2.0" ④	OME932	2
Shock		*N66/N66C	2
Heavy Load (90-180lbs)			
	Approx. Lift	Part No.	Qty.
Spring	1.50" ④	OME933	2
Shock		N66	2

Remarks:

- ① JWGK01 is mandatory to prevent driveline vibration.
- ② FKWTJ02 Panhard Rod Bracket is mandatory to ensure correct rear axle tracking.
- ③ FK16 spacer kit is mandatory to prevent coil springs from becoming solid on full compression.
- ④ Due to a variance in curb weight, 4 cylinder models may net slightly more lift than 6 cylinder models.
- ⑤ N66L/N67L Extended Length Shocks are for 3-5" suspension lifts only and are not intended for use with any Old Man Emu systems. Modified bump stops are required.

IMPORTANT: FK16, FKWTJ02 & JWGK01 are all mandatory for proper installation. Failure to install any of these kits will void OME warranty.

### REAR

Light Load/Soft Top			
	Approx. Lift	Part No.	Qty.
Spring	2.25"	OME941	2
Shock		N67	2
Medium Load/Hard Top			
	Approx. Lift	Part No.	Qty.
Spring	2.0"	OME941	2
Shock		N67	2
Heavy Constant Load (220lbs to GVM)			
	Approx. Lift	Part No.	Qty.
Spring	2.0"	OME942	2
Shock		N67	2

### TO COMPLETE INSTALLATION

	Part No.	Qty.
T-Case Spacer Kit	JWGK01 ①	1
Panhard Rod Bracket	FKWTJ02 ②	1
Bump Stop Spacer Kit	FK16 ③	1
Steering Damper	OMESD40	1

### OPTIONAL ACCESSORIES

	Part No.	Qty.
Front 10mm Trim Spacer	OMEJGF10	
Rear 10mm Trim Spacer	OMEWTJPR10	

### ALSO AVAILABLE

	Part No.	Qty.
Front Extended Length Shocks	N66L ⑤	2
Rear Extended Length Shocks	N67L ⑤	2

\* First part number gives firmer ride for: FRONT—Increased axle weight eg: diesel, bullbar, winch. REAR—Regular load carriers and those who prefer a positive feel.

## WRANGLER YJ ALL MODELS '87-'95

### FRONT

<b>Stock/Light Load (0-100lbs)</b>			
	Approx. Lift	Part No.	Qty.
Spring	2.0" ③	OMEJ1F	2
Shock		N33	2
<b>Heavy Load (100-200lbs)</b>			
	Approx. Lift	Part No.	Qty.
Spring	1.50" ③	OMEJ1F	2
Shock		N33	2

### REAR

<b>Light Load/Soft Top</b>			
	Approx. Lift	Part No.	Qty.
Spring	2.0"	OMEJ2R	2
Shock		N34	2
<b>Heavy Load/Hard Top</b>			
	Approx. Lift	Part No.	Qty.
Spring	2.0"	OMEJ1R	2
Shock		N34	2

Remarks:

- ① Use OMESB57 bushings with original shackles.  
Use OMESB87 bushings with OME Greasable Shackles.
- ② JWGK01 is mandatory to prevent driveline vibration.
- ③ Due to a variance in curb weight, 4 cylinder models may net slightly more lift than 6 cylinder models.
- ④ Extra Leaf can be fitted for heavier constant load carrying ability - see page 42.
- ⑤ N33L/N34L Extended Length Shocks are for 3-5" suspension lifts only and are not intended for use with any Old Man Emu systems. Modified bump stops are required.

### TO COMPLETE INSTALLATION

	Part No.	Qty.
Leaf Spring Bushing Kit	OMESB57 ①	4
T-Case Spacer Kit	JWGK01 ②	1
Steering Damper	OMESD40	1

### OPTIONAL ACCESSORIES

	Part No.	Qty.
Greasable Shackle Kit	OMEGS11	2
Greasable Bushing Kit	OMESB87 ①	4
Front Extra Leaf	J1FXL ④	
Rear Extra Leaf	J1RXL ④	

### ALSO AVAILABLE

	Part No.	Qty.
Front Extended Length Shocks	N33L ⑤	2
Rear Extended Length Shocks	N34L ⑤	2

\* First part number gives firmer ride for: FRONT—Increased axle weight eg: diesel, bullbar, winch. REAR—Regular load carriers and those who prefer a positive feel.

## EXPLORER V6 LEAF SPRING MODELS '96-'01

### FRONT

Stock/Light Load			
	Approx. Lift	Part No.	Qty.
Spring		N/A ❶	
Shock		N16	2

### REAR

Medium Load			
	Approx. Lift	Part No.	Qty.
Spring	1.50"	OME36	2
Shock		N17	2

Remarks:

- ❶ Adjust front torsion bar for additional height after installing rear springs. Set ride height to 1/3 upper bump stop clearance and 2/3 lower bump stop clearance.
- ❷ OE rubber leaf spring bushings are used to isolate road noise. Install original bushings from OE springs if they are in good condition, or source new OE bushings from dealership.
- ❸ Extra Leaf should be fitted when a constant 440lbs is carried - see page 42.

### TO COMPLETE INSTALLATION

	Part No.	Qty.
Leaf Spring Bushings	OE ❷	

### OPTIONAL ACCESSORIES

	Part No.	Qty.
Extra Leaf	36XL ❸	

\* First part number gives firmer ride for: FRONT—Increased axle weight eg: diesel, bullbar, winch. REAR—Regular load carriers and those who prefer a positive feel.

## TROOPER ALL MODELS '92-'02

### FRONT

Stock/Light Load			
	Approx. Lift	Part No.	Qty.
Spring		N/A ❶	
Shock		*N65/N26F	2

Remarks:

❶ Adjust front torsion bar for additional height after installing rear springs. Set ride height to 1/3 upper bump stop clearance and 2/3 lower bump stop clearance.

❷ Coil must be installed with progressive rate to the top.

### REAR

Medium Load (0lbs to GVM)			
	Approx. Lift	Part No.	Qty.
Spring	1.0"	OME912 ❷	2
Shock		*N15/N15C	2

Heavy Load (220lbs to GVM)			
	Approx. Lift	Part No.	Qty.
Spring	1.0"	OME919	2
Shock		*N15/N15C	2

Heavy Constant Load (440lbs to GVM)			
	Approx. Lift	Part No.	Qty.
Spring	.75"	OME929	2
Shock		N15	2

## TROOPER REAR LEAF SPRING MODELS PRE '92

### FRONT

Stock/Light Load			
	Approx. Lift	Part No.	Qty.
Spring		N/A ❶	
Shock		*N65/N26F	2

Remarks:

❶ Adjust front torsion bar for additional height after installing rear springs. Set ride height to 1/3 upper bump stop clearance and 2/3 lower bump stop clearance.

❷ Extra Leaf can be fitted for heavier constant load carrying ability - see page 42.

❸ For Stock/Light Load applications, the 3rd leaf from the top of the spring pack can be removed for improved ride comfort. See page 58 for instructions.

### REAR

Heavy Load (440lbs to GVM)			
	Approx. Lift	Part No.	Qty.
Spring	.75"	OMEROD11 ❸	2
Shock		N88	2

TO COMPLETE INSTALLATION			
	Part No.	Qty.	
Leaf Spring Bushing Kit	OMESB90	1	

OPTIONAL ACCESSORIES			
	Part No.	Qty.	
Rear Extra Leaf	RODXL ❷		

## AMIGO/RODEO 5 DOOR COIL SPRING MODELS '98-'02

### FRONT

Stock/Light Load			
	Approx. Lift	Part No.	Qty.
Spring		N/A ❶	
Shock		*N65/N26F	2

Remarks:

❶ Adjust front torsion bar for additional height after installing rear springs. Set ride height to 1/3 upper bump stop clearance and 2/3 lower bump stop clearance.

### REAR

Medium Load (0lbs to GVM)			
	Approx. Lift	Part No.	Qty.
Spring	.75"	OME913	2
Shock		N102	2

\* First part number gives firmer ride for: FRONT—Increased axle weight eg: diesel, bullbar, winch. REAR—Regular load carriers and those who prefer a positive feel.

## AMIGO LEAF SPRING MODELS TO '96

### FRONT

Stock/Light Load			
	Approx. Lift	Part No.	Qty.
Spring		N/A ❶	
Shock		*N65/N26F	2

Remarks:

- ❶ Adjust front torsion bar for additional height after installing rear springs. Set ride height to 1/3 upper bump stop clearance and 2/3 lower bump stop clearance.
- ❷ Extra Leaf can be fitted for heavier constant load carrying ability - see page 42.
- ❸ Vehicles with 4 leaf OE spring pack require OMEU59A U Bolts.
- ❹ For Stock/Light Load applications, the 3rd leaf from the top of the spring pack can be removed for improved ride comfort. See page 58 for instructions.

### REAR

Heavy Constant Load (400lbs to GVM)			
	Approx. Lift	Part No.	Qty.
Spring	.75"	OMEROD11 ❹	2
Shock		*N42/N89	2

### TO COMPLETE INSTALLATION

	Part No.	Qty.
Leaf Spring Bushing Kit	OMESB80	2
U Bolts	OMEU59A ❸	4
Anti Inversion Kit	FK14	1

### OPTIONAL ACCESSORIES

	Part No.	Qty.
Greasable Shackle Kit	OMEGS3	1
Rear Extra Leaf	RODXL ❷	

\* First part number gives firmer ride for: FRONT—Increased axle weight eg: diesel, bullbar, winch. REAR—Regular load carriers and those who prefer a positive feel.

## DISCOVERY SERIES II ALL MODELS

### FRONT

Stock/Light Load (0-50lbs)			
	Approx. Lift	Part No.	Qty.
Spring	1.50"	OME776	2
Shock		*107/107C	2
Medium Load (50-110lbs)			
	Approx. Lift	Part No.	Qty.
Spring	1.50"	OME777	2
Shock		*107/107C	2
Heavy Load (110-250lbs)			
	Approx. Lift	Part No.	Qty.
Spring	1.50"	OME779	2
Shock		N107	2

### REAR

Medium Load (0lbs to GVM)			
	Approx. Lift	Part No.	Qty.
Spring	1.50"	OME781	2
Shock		*N108/N108C	2
Heavy Load (220lbs to GVM)			
	Approx. Lift	Part No.	Qty.
Spring	1.50"	OME762	2
Shock		*N108/N108C	2
Heavy Constant Load (440lbs to GVM)			
	Approx. Lift	Part No.	Qty.
Spring	1.50"	OME763	2
Shock		N108	2

### TO COMPLETE INSTALLATION

	Part No.	Qty.
Steering Damper	OMESD02	1

## DISCOVERY SERIES I ALL MODELS

### FRONT

Stock/Light Load (0-50lbs)			
	Approx. Lift	Part No.	Qty.
Spring	.75"	OME760	2
Shock		*N115/N45F	2
Medium Load (50-110lbs)			
	Approx. Lift	Part No.	Qty.
Spring	1.25"	OME761	2
Shock		*N115/N45F	2
Heavy Load (110-250lbs)			
	Approx. Lift	Part No.	Qty.
Spring	1.50"	OME751	2
Shock		*N115/N45F	2

### REAR

Medium Load (0lbs to GVM)			
	Approx. Lift	Part No.	Qty.
Spring	1.50"	OME764	2
Shock		*N46/N27	2
Heavy Load (220lbs to GVM)			
	Approx. Lift	Part No.	Qty.
Spring	2.0"	OME762	2
Shock		*N44/N46	2
Heavy Constant Load (440lbs to GVM)			
	Approx. Lift	Part No.	Qty.
Spring	1.50"	OME763	2
Shock		N44	2

### TO COMPLETE INSTALLATION

	Part No.	Qty.
Caster Kit	CALR2 ①	1
Steering Damper	OMESD11	1

### OPTIONAL ACCESSORIES

	Part No.	Qty.
Front LTR Shocks	LTR04FR/L ②	2
Rear LTR Shocks	LTR04R ②	2

### ALSO AVAILABLE

	Part No.	Qty.
Miscellaneous Bushing Kits	Refer to page 37	

Remarks:

- ① CALR2 should not be fitted to vehicle with automatic transmission due to possible vibration problems.
- ② LTR Remote Reservoir shock absorbers are for competition use and require regular maintenance.

\* First part number gives firmer ride for: FRONT—Increased axle weight eg: diesel, bullbar, winch. REAR—Regular load carriers and those who prefer a positive feel.

## RANGE ROVER CLASSIC MODELS TO '95

### FRONT

<b>Stock/Light Load (0-50lbs)</b>			
	Approx. Lift	Part No.	Qty.
Spring	.75"	OME760	2
Shock		*N115/N45F	2
<b>Medium Load (50-110lbs)</b>			
	Approx. Lift	Part No.	Qty.
Spring	1.25"	OME761	2
Shock		*N115/N45F	2
<b>Heavy Load (110-250lbs)</b>			
	Approx. Lift	Part No.	Qty.
Spring	1.50"	OME751	2
Shock		*N115/N45F	2

### REAR

<b>Medium Load (0lbs to GVM)</b>			
	Approx. Lift	Part No.	Qty.
Spring	1.50"	OME764	2
Shock		*N46/N27	2
<b>Heavy Load (220lbs to GVM)</b>			
	Approx. Lift	Part No.	Qty.
Spring	2.0"	OME762	2
Shock		*N44/N46	2
<b>Heavy Constant Load (440lbs to GVM)</b>			
	Approx. Lift	Part No.	Qty.
Spring	1.50"	OME763	2
Shock		N44	2

Remarks:

- ① CALR1 fits pre '86 models. CALR2 fits post '86 models. Do not fit to vehicles with automatic transmission due to possible vibration problems.

### TO COMPLETE INSTALLATION

	Part No.	Qty.
Caster Kit	CALR2 ①	1
Steering Damper	OMESD11	1

### ALSO AVAILABLE

	Part No.	Qty.
Miscellaneous Bushing Kits	Refer to page 37	

\* First part number gives firmer ride for: FRONT—Increased axle weight eg: diesel, bullbar, winch. REAR—Regular load carriers and those who prefer a positive feel.

## DEFENDER 110 ALL MODELS

### FRONT

Stock/Light Load (0-110lbs)			
	Approx. Lift	Part No.	Qty.
Spring	1.25"	OME761	2
Shock		N45F	2
Heavy Load (110-220lbs)			
	Approx. Lift	Part No.	Qty.
Spring	1.50"	OME751	2
Shock		N115	2
Heavy Constant Load (220-350lbs)			
	Approx. Lift	Part No.	Qty.
Spring	1.25"	OME766	2
Shock		N115	2

Remarks:

- ❶ OME752 coil has a softer spring rate than OE coil. This is to provide improved ride quality with light loads only.
- ❷ Where original springs have an inner helper coil, be sure to refit helper coil when installing OME coils.
- ❸ Caster kit will increase caster angle by 2 degrees. Check manufacturer's specifications to determine if caster kit is required. CALR1 suits 38mm wide "A" arms. CALR2 suits 44mm wide "A" arms.
- ❹ LTR Remote Reservoir shock absorbers are for competition use and require regular maintenance.

### REAR

Light Load (0lbs to GVM)			
	Approx. Lift	Part No.	Qty.
Spring	1.50"	OME752 ❶	2
Shock		*N46/N27	2
Constant Load (660lbs to GVM)			
	Approx. Lift	Part No.	Qty.
Spring	2.0"	OME755	2
Shock		*N44/N46	2
Heavy Constant Load (1,100lbs to GVM)			
	Approx. Lift	Part No.	Qty.
Spring	1.50"	OME754 ❷	2
Shock		*N44/N46	2

### TO COMPLETE INSTALLATION

	Part No.	Qty.
Caster Kit	CALR2 ❸	1
Steering Damper	OMESD32	1

### OPTIONAL ACCESSORIES

	Part No.	Qty.
Front LTR Shocks	LTR05F ❹	2
Rear LTR Shocks	LTR05R ❹	2

### ALSO AVAILABLE

	Part No.	Qty.
Miscellaneous Bushing Kits	Refer to page 37	

\* First part number gives firmer ride for: FRONT—Increased axle weight eg: diesel, bullbar, winch. REAR—Regular load carriers and those who prefer a positive feel.



## DEFENDER 90 ALL MODELS

### FRONT

<b>Stock/Light Load (0-110lbs)</b>			
	<b>Approx. Lift</b>	<b>Part No.</b>	<b>Qty.</b>
<b>Spring</b>	1.25"	OME761	2
<b>Shock</b>		N45F	2
<b>Heavy Load (110-250bs)</b>			
	<b>Approx. Lift</b>	<b>Part No.</b>	<b>Qty.</b>
<b>Spring</b>	1.25"	OME751	2
<b>Shock</b>		N115	2

### REAR

<b>Medium Load (0lbs to GVM)</b>			
	<b>Approx. Lift</b>	<b>Part No.</b>	<b>Qty.</b>
<b>Spring</b>	1.50"	OME764	2
<b>Shock</b>		*N46/N27	2
<b>Heavy Constant Load (440lbs to GVM)</b>			
	<b>Approx. Lift</b>	<b>Part No.</b>	<b>Qty.</b>
<b>Spring</b>	2.0"	OME762	2
<b>Shock</b>		*N44/N46	2

Remarks:

- ❶ Caster kit will increase caster angle by 2 degrees. Check manufacturer's specifications to determine if caster kit is required.  
CALR1 suits 38mm wide "A" arms.  
CALR2 suits 44mm wide "A" arms.
- ❷ LTR Remote Reservoir shock absorbers are for competition use and require regular maintenance.

<b>TO COMPLETE INSTALLATION</b>		
	<b>Part No.</b>	<b>Qty.</b>
<b>Caster Kit</b>	CALR2 ❶	1
<b>Steering Damper</b>	OMESD32	1

<b>OPTIONAL ACCESSORIES</b>		
	<b>Part No.</b>	<b>Qty.</b>
<b>Front LTR Shocks</b>	LTR05F ❷	2
<b>Rear LTR Shocks</b>	LTR05R ❷	2

<b>ALSO AVAILABLE</b>		
	<b>Part No.</b>	<b>Qty.</b>
<b>Miscellaneous Bushing Kits</b>	Refer to page 37	

\* First part number gives firmer ride for: FRONT—Increased axle weight eg: diesel, bullbar, winch. REAR—Regular load carriers and those who prefer a positive feel.

## B SERIES PICKUP 4WD 2600 MODELS '87-'94

### FRONT

Stock/Light Load			
Approx. Lift	Part No.	Qty.	
Spring	N/A ❶		
Shock	N51	2	

Remarks:

- ❶ Adjust front torsion bar for additional height after installing rear springs. Set ride height to 1/3 upper bump stop clearance and 2/3 lower bump stop clearance.

### REAR

Medium Load (0lbs to GVM)			
Approx. Lift	Part No.	Qty.	
Spring	.75" OME26	2	
Shock	*N53/N53C	2	

### Heavy Constant Load (440lbs to GVM)

Approx. Lift	Part No.	Qty.	
Spring	.75" OME261	2	
Shock	N53	2	

### TO COMPLETE INSTALLATION

Part No.	Qty.	
Leaf Spring Bushings	OMESB82	2

\* First part number gives firmer ride for: FRONT—Increased axle weight eg: diesel, bullbar, winch. REAR—Regular load carriers and those who prefer a positive feel.

## MONTERO NM V6 MODELS '00 ON

### FRONT

Stock/Light Load (0-110lbs)			
	Approx. Lift	Part No.	Qty.
Spring	1.50"	OME914	2
Shock		N109S	2
Heavy Load (110-220lbs)			
	Approx. Lift	Part No.	Qty.
Spring	1.50"	OME915	
Shock		N109S	2

### REAR

Medium Load			
	Approx. Lift	Part No.	Qty.
Spring	1.50"	OME917	2
Shock		N110	2
Heavy Load			
	Approx. Lift	Part No.	Qty.
Spring	1.50"	OME918	2
Shock		N110	2

## MONTERO LWB REAR COIL SPRING MODELS '91 ON

### FRONT

Stock/Light Load			
	Approx. Lift	Part No.	Qty.
Spring		N/A ❶	
Shock		N18	2

### REAR

Medium to Heavy Load (0lbs to GVM)			
	Approx. Lift	Part No.	Qty.
Spring	.50"	OME910 ❷	2
Shock		*N64/N63G ❸	2

Remarks:

- ❶ Adjust front torsion bar for additional height after installing rear springs. Set ride height to 1/3 upper bump stop clearance and 2/3 lower bump stop clearance.
- ❷ Coils must be installed with progressive rate to the top.
- ❸ N64 shock is recommended for vehicles used for towing on a regular basis.

## MONTERO REAR COIL SPRING MODELS '89-'91

### FRONT

Stock/Light Load			
	Approx. Lift	Part No.	Qty.
Spring		N/A ❶	
Shock		N60G	2

### REAR

Medium Load (0lbs to GVM)			
	Approx. Lift	Part No.	Qty.
Spring	.50"	OME910 ❷	2
Shock		N62G	2

Remarks:

- ❶ Adjust front torsion bar for additional height after installing rear springs. Set ride height to 1/3 upper bump stop clearance and 2/3 lower bump stop clearance.
- ❷ Coils must be installed with progressive rate to the top.
- ❸ OMESD17 only fits non power steering models.

### TO COMPLETE INSTALLATION

	Part No.	Qty.
Steering Damper	OMESD17 ❸	1

\* First part number gives firmer ride for: FRONT—Increased axle weight eg: diesel, bullbar, winch. REAR—Regular load carriers and those who prefer a positive feel.

## MONTERO REAR LEAF SPRING MODELS PRE '91

### FRONT

#### Stock/Light Load

	Approx. Lift	Part No.	Qty.
Spring		N/A ❶	
Shock		N60G	2

### REAR

#### Heavy Load

	Approx. Lift	Part No.	Qty.
Spring	1.50"	OME22	2
Shock		*N56/N54	2

Remarks:

- ❶ Adjust front torsion bar for additional height after installing rear springs. Set ride height to 1/3 upper bump stop clearance and 2/3 lower bump stop clearance.
- ❷ OMESB8 must be used with OME22 and OME222 springs.
- ❸ OMEU54 only required on SWB models.
- ❹ OMESD17 only fits non power steering models.

#### TO COMPLETE INSTALLATION

	Part No.	Qty.
Leaf Spring Bushing Kit	OMESB8 ❷	2
U Bolts	OMEU54 ❸	4
Steering Damper	OMESD17 ❹	1

## MONTERO SPORT COIL SPRING MODELS '00 ON

### FRONT

#### Stock/Light Load

	Approx. Lift	Part No.	Qty.
Spring		N/A ❶	
Shock		N57G	2

### REAR

#### Medium Load (0lbs to GVM)

	Approx. Lift	Part No.	Qty.
Spring	1.50"	OME911	2
Shock		N116	2

#### Heavy Constant Load (440lbs to GVM)

	Approx. Lift	Part No.	Qty.
Spring	1.50"	OME910	2
Shock		N116	2

Remarks:

- ❶ Adjust front torsion bar for additional height after installing rear springs. Set ride height to 1/3 upper bump stop clearance and 2/3 lower bump stop clearance.

## MONTERO SPORT REAR LEAF SPRING MODELS '98-'99

### FRONT

#### Stock/Light Load

	Approx. Lift	Part No.	Qty.
Spring		N/A ❶	
Shock		N57G	2

### REAR

#### Medium Load (0lbs to GVM)

	Approx. Lift	Part No.	Qty.
Spring	1.0"	OME19	2
Shock		*N56/N54	2

#### Heavy Constant Load (440lbs to GVM)

	Approx. Lift	Part No.	Qty.
Spring	1.0"	OME191	2
Shock		N56	2

Remarks:

- ❶ Adjust front torsion bar for additional height after installing rear springs. Set ride height to 1/3 upper bump stop clearance and 2/3 lower bump stop clearance.
- ❷ OME19 & OME191 springs can only be installed with OMESB83 bushings.
- ❸ Extra Leaf can be fitted for heavier constant load carrying ability - see page 42.

#### TO COMPLETE INSTALLATION

	Part No.	Qty.
Leaf Spring Bushing Kit	OMESB83 ❷	2

#### OPTIONAL ACCESSORIES

	Part No.	Qty.
Rear Extra Leaf	19XL ❸	

\* First part number gives firmer ride for: FRONT—Increased axle weight eg: diesel, bullbar, winch. REAR—Regular load carriers and those who prefer a positive feel.

## PATHFINDER R50 ALL MODELS '96 ON

### FRONT

Stock/Light Load (0-110lbs)			
	Approx. Lift	Part No.	Qty.
Spring	.50"	OME921	2
Shock		N/A	
Heavy Load (110-220lbs)			
	Approx. Lift	Part No.	Qty.
Spring	.50"	OME923	2
Shock		N/A	

### REAR

Medium Load (0lbs to GVM)			
	Approx. Lift	Part No.	Qty.
Spring	.50"	OME922	2
Shock (to 1/99)		*N61/N61C	2
Shock (2/99 on)		*N104/N104C	2

## PATHFINDER ALL MODELS TO LATE '95

### FRONT

Stock/Light Load (0-110lbs)			
	Approx. Lift	Part No.	Qty.
Spring		N/A ❶	
Shock		N26F ❷	2

### REAR

Medium Load (0lbs to GVM)			
	Approx. Lift	Part No.	Qty.
Spring	.75"	OME920	2
Shock		*N42/N89	2

Remarks:

- ❶ Adjust front torsion bar for additional height after installing rear springs. Set ride height to 1/3 upper bump stop clearance and 2/3 lower bump stop clearance.
- ❷ It may be necessary to slightly increase the clearance in the front wishbone to allow shock absorber to fit. Do not modify shock absorber.

### TO COMPLETE INSTALLATION

	Part No.	Qty.
Steering Damper	OMESD35	1

## FRONTIER PICKUP 4WD MODELS '96 ON

### FRONT

Stock/Light Load			
	Approx. Lift	Part No.	Qty.
Spring		N/A ❶	
Shock		N58 ❷	2

### REAR

Medium Load (0lbs to GVM)			
	Approx. Lift	Part No.	Qty.
Spring	1.25"	OMENN1	2
Shock		N59	2
Heavy Constant Load (880lbs to GVM)			
	Approx. Lift	Part No.	Qty.
Spring	1.25"	OMENN11	2
Shock		N59	2

Remarks:

- ❶ Adjust front torsion bar for additional height after installing rear springs. Set ride height to 1/3 upper bump stop clearance and 2/3 lower bump stop clearance.
- ❷ It may be necessary to slightly increase the clearance in the front wishbone to allow shock absorber to fit. Do not modify shock absorber.
- ❸ Extra Leaf can be fitted for heavier constant load carrying ability - see page 42.

### TO COMPLETE INSTALLATION

	Part No.	Qty.
Leaf Spring Bushing Kit	OMESB81 ❹	2
U Bolts	OMEU63	4
Steering Damper	OMESD35	1

### OPTIONAL ACCESSORIES

	Part No.	Qty.
Rear Extra Leaf	NNXL ❺	

\* First part number gives firmer ride for: FRONT—Increased axle weight eg: diesel, bullbar, winch. REAR—Regular load carriers and those who prefer a positive feel.

## GRAND VITARA 4&6 CYLINDER MODELS

### FRONT

Stock/Light Load (0-75lbs)			
	Approx. Lift	Part No.	Qty.
Spring	1.25"	OME959	2
Shock		N103S	2
Heavy Load (75-165lbs)			
	Approx. Lift	Part No.	Qty.
Spring	1.25"	OME962	2
Shock		N103S	2

### REAR

Medium Load			
	Approx. Lift	Part No.	Qty.
Spring	1.25"	OME961	2
Shock		*N105/N32	2

## SIDEKICK & GEO TRACKER LWB V6 MODELS

### FRONT

Stock/Light Load (0-75lbs)			
	Approx. Lift	Part No.	Qty.
Spring	1.25"	OME950	2
Shock		N31S ①	2
Heavy Load (75-165lbs)			
	Approx. Lift	Part No.	Qty.
Spring	1.0"	OME959	2
Shock		N31S ①	2

### REAR

Light Load			
	Approx. Lift	Part No.	Qty.
Spring	1.25"	OME954	2
Shock		*N105/N32 ②	2
Medium Load			
	Approx. Lift	Part No.	Qty.
Spring	1.25"	OME955	2
Shock		N105 ②	2

Remarks:

- ① Front strut has 40mm longer travel than original equipment.
- ② Rear shock has 50mm longer travel than original equipment.

## SIDEKICK & GEO TRACKER LWB 4 CYLINDER MODELS

### FRONT

Stock/Light Load (0-75lbs)			
	Approx. Lift	Part No.	Qty.
Spring	1.25"	OME960	2
Shock		N31S ①	2
Heavy Load (75-165lbs)			
	Approx. Lift	Part No.	Qty.
Spring	1.25"	OME953	2
Shock		N31S ①	2

### REAR

Light Load			
	Approx. Lift	Part No.	Qty.
Spring	1.25"	OME954	2
Shock		*N105/N32 ②	2
Medium Load			
	Approx. Lift	Part No.	Qty.
Spring	1.25"	OME955	2
Shock		N105 ②	2

Remarks:

- ① Front strut has 40mm longer travel than original equipment.
- ② Rear shock has 50mm longer travel than original equipment.

\* First part number gives firmer ride for: FRONT—Increased axle weight eg: diesel, bullbar, winch. REAR—Regular load carriers and those who prefer a positive feel.

## SIDEKICK & GEO TRACKER SWB MODELS

### FRONT

Stock/Light Load (0-75lbs)			
	Approx. Lift	Part No.	Qty.
Spring	1.0"	OME951	2
Shock		N31S ①	2

### REAR

Medium Load			
	Approx. Lift	Part No.	Qty.
Spring	1.25"	OME952	2
Shock		N32 ②	2

Remarks:

- ① Front strut has 40mm longer travel than original equipment.
- ② Rear shock has 50mm longer travel than original equipment.

## SAMURAI LEAF SPRING MODELS

### FRONT

Stock/Light Load (0-55lbs)			
	Approx. Lift	Part No.	Qty.
Spring	1.25"	OMES1B ①	2
Shock		OME015 ②	2
Medium Load (55-125lbs)			
	Approx. Lift	Part No.	Qty.
Spring	1.50"	OMES1A ①	2
Shock		OME015 ②	2
Heavy Load (125-200lbs)			
	Approx. Lift	Part No.	Qty.
Spring	1.25"	OMES1A ①	2
Shock		OME025	2

### REAR

Medium Load (0lbs to GVM)			
	Approx. Lift	Part No.	Qty.
Spring	1.50"	OMES2	2
Shock		OME013 ③	2
Heavy Constant Load (220lbs to GVM)			
	Approx. Lift	Part No.	Qty.
Spring	1.50"	OMES21	2
Shock		OME013 ③	2

Remarks:

- ① IMPORTANT: Samurais used in extreme heavy off road conditions must have extra leaf S1AXL or S1BXL added to front spring pack. U bolt OMEU61B is also required.
- ② Models without a front stabilizer bar require a firmer shock absorber than models with stabilizer bar. Correct selection will have a major effect on vehicle handling.
- ③ OME013 fit all models except LJ80 and LJ80II. N43 fits all LJ80 and LJ80II models.
- ④ Substitute two OMEU61B U bolts for OMEU60s when installing S1AXL/BXL Extra Leaf on front suspension.
- ⑤ FK06 kit for stabilizer bar.
- ⑥ Extra Leaf can be fitted for heavier constant load carrying ability - see page 42

### TO COMPLETE INSTALLATION

	Part No.	Qty.
Leaf Spring Bushing Kit	OMESB19	4
U Bolts	OMEU60 ④	6
U Bolts	OMEU62 ④	2
Fitting Kit	FK06 ⑤	1
Steering Damper	OMESD30	1

### OPTIONAL ACCESSORIES

	Part No.	Qty.
Trim Spacer	TP05	
Front Extra Leaf	S1AXL or S1BXL ⑥	
Rear Extra Leaf	S2AXL ⑥	

\* First part number gives firmer ride for: FRONT—Increased axle weight eg: diesel, bullbar, winch. REAR—Regular load carriers and those who prefer a positive feel.

## LANDCRUISER 100 SERIES IFS MODELS '98 ON

### FRONT

Stock/Light Load			
Approx. Lift	Part No.	Qty.	
Spring	N/A ❶	2	
Shock	N100	2	

Remarks:

- ❶ Adjust front torsion bar for additional height after installing rear springs. Set ride height to 1/3 upper bump stop clearance and 2/3 lower bump stop clearance.
- ❷ OME661 lower shock mount stone guard is recommended fitment to rear shocks to protect against severe stone peppering encountered on loose road surfaces.
- ❸ Trim vehicle to a maximum of 15mm per coil. Spacers must be installed on top of coils.

### REAR

Medium Load (0lbs to GVM)			
Approx. Lift	Part No.	Qty.	
Spring	1.50"	OME865	2
Shock		*N101/N101C	2

Heavy Constant Load (440lbs to GVM)			
Approx. Lift	Part No.	Qty.	
Spring	1.50"	OME866	2
Shock		N101	2

### OPTIONAL ACCESSORIES

	Part No.	Qty.
Rear Shock Stone Guard	OME661 ❷	1
Rear Trim Spacer 5mm	OME80PR05 ❸	
Rear Trim Spacer 10mm	OME80PR10 ❹	

\* First part number gives firmer ride for: FRONT—Increased axle weight eg: diesel, bullbar, winch. REAR—Regular load carriers and those who prefer a positive feel.



## LANDCRUISER 80 SERIES ALL MODELS

### FRONT

Stock/Light Load (0-110lbs)			
	Approx. Lift	Part No.	Qty.
Spring	2.0"	OME851	2
Shock		*N73/N70	2
Heavy Load (110-250lbs)			
	Approx. Lift	Part No.	Qty.
Spring	2.0"	OME850	2
Shock		N73	2
Low Height Heavy Load (110-250lbs)			
	Approx. Lift	Part No.	Qty.
Spring	.25"	OME861	2
Shock		*N73/N70	2

### REAR

Medium Load (0lbs to GVM)			
	Approx. Lift	Part No.	Qty.
Spring	2.0"	OME860	2
Shock		*N74E/N71E	2
Constant Load (440lbs to GVM)			
	Approx. Lift	Part No.	Qty.
Spring	2.0"	OME863	2
Shock		N74E	2
Heavy Constant Load (880lbs to GVM)			
	Approx. Lift	Part No.	Qty.
Spring	1.50"	OME864	2
Shock		N74E	2
Low Height Medium Load (0lbs to GVM)			
	Approx. Lift	Part No.	Qty.
Spring	.75"	OME862	2
Shock		*N74E/N71E	2

Remarks:

- ❶ OMECA77B Caster Kit will increase caster by 2 degrees. Caster angle will be affected when raising the vehicle. Check manufacturer's specification to determine if OMECA77B is required.
- ❷ OME661 lower shock mount stone guard is recommended fitment to rear shocks to protect against severe stone pepping encountered on loose road surfaces.
- ❸ Trim Spacers may be required to trim the vehicle to a maximum of 15mm per coil. Packers must be installed on the top end of coil spring.
- ❹ LTR Remote Reservoir shock absorbers are for competition use and require regular maintenance.
- ❺ OME850J/863J coils and N73L/74L shocks should be installed together, although they do not comprise a kit. Fitment of N73L/N74L shocks requires mandatory installation of .75" (20mm) Front and 1.25" (30mm) Rear bump stop spacers to the front and rear suspension to prevent shock absorbers from bottoming out under full compression. These bump stop spacers are not available from OME and will need to be sourced by the installer.

### TO COMPLETE INSTALLATION

	Part No.	Qty.
Caster Kit	OMECA77B ❶	1
Steering Damper	OMESD24	1

### OPTIONAL ACCESSORIES

	Part No.	Qty.
Rear Shock Stone Guard	OME661 ❷	1
Front Trim Spacer 5mm	OME80PF05 ❸	
Front Trim Spacer 10mm	OME80PF10 ❸	
Rear Trim Spacer 5mm	OME80PR05 ❹	
Rear Trim Spacer 10mm	OME80PR10 ❹	
Front LTR Shocks	LTR01F ❺	2
Rear LTR Shocks	LTR01RR/L ❺	2

### ALSO AVAILABLE

	Part No.	Qty.
Front Extended Height Coil Springs	OME850J ❺	2
Front Extended Length Shock Absorbers	N73L ❺	2
Rear Extended Height Coil Springs	OME863J ❺	2
Rear Extended Length Shock Absorbers	N74L ❺	2
Miscellaneous Bushing Kits	Refer to page 39	

\* First part number gives firmer ride for: FRONT—Increased axle weight eg: diesel, bullbar, winch. REAR—Regular load carriers and those who prefer a positive feel.

## LANDCRUISER 60/61/62 SERIES ALL MODELS

### FRONT

Gas Engine - Stock/Light Load (0-110lbs)			
	Approx. Lift	Part No.	Qty.
Spring	2.0"	OME110	2
Shock		*N88/N92	2
Gas Engine - Heavy Load (110-240lbs)			
	Approx. Lift	Part No.	Qty.
Spring	2.0"	OME11 ①	2
Shock		N88	2
Diesel Engine - Stock/Light Load (0-110lbs)			
	Approx. Lift	Part No.	Qty.
Spring	2.0"	OME11 ①	2
Shock		*N50/N88	2
Diesel Engine - Heavy Load (110-240lbs)			
	Approx. Lift	Part No.	Qty.
Spring	2.0"	OME111	2
Shock		N50	2

#### Remarks:

- ① When bump stop heights exceed 110mm the 4th leaf in the OME11 spring can be removed or OME110 can be used for ride quality and to reinstate desired bump stop height. OMECW2 spring caster wedge may be required to restore positive caster angle.
- ② Barn door models may require A/A or B/B spring fitment.
- ③ Post 1986 vehicles have 19mm mounting pin and accept shock part no's N94, N90 & N85.  
Pre 1986 vehicles have 16mm mounting pin and accept shock part no's N95, N42 & N89.
- ④ Compare original spring pack to OME spring pack to determine U bolt requirement.
- ⑤ Front: FK01 not required if OE U bolts are replaced with OMEU51.  
Rear: Only required on vehicles with rubber insulators around rear springs. Refer to OME Fitting Manual Section 7 GFI Land Cruiser 60 Series page 7 selection chart
- ⑥ FK08 Anti Inversion Kit is mandatory fitment if greasable shackles are not fitted.
- ⑦ Extra Leaf can be fitted for heavier constant load carrying ability - see page 42.  
IMPORTANT: Install leaf springs with military wrap at the fixed end.

### REAR

Stock/Light Load			
	Approx. Lift	Part No.	Qty.
Spring	3.0"	OME221A/B ②	2
Shock (Post '86)		N94 ③	2
Shock (Pre '86)		N95 ③	2
Medium Load (0lbs to GVM)			
	Approx. Lift	Part No.	Qty.
Spring	3.0"	OME113A/B ②	2
Shock (Post '86)		*N90/N85 ③	2
Shock (Pre '86)		*N42/N89 ③	2
Heavy Constant Load (440lbs to GVM)			
	Approx. Lift	Part No.	Qty.
Spring	3.0"	OME1131A/B ②	2
Shock (Post '86)		*N90/N85 ③	2
Shock (Pre '86)		*N42/N89 ③	2

### TO COMPLETE INSTALLATION

	Part No.	Qty.
Spring Bushing Kit	OMESB1	4
Front U Bolts	OMEU51 ④	4
Rear U Bolts	OMEU59B ④	4
Front Fit Kit	FK01 ⑤	1
Rear Fit Kit	REFER TO NOTES ⑤	
Rear Anti Inversion Kit	FK08 ⑥	1
Steering Damper	OMESD24	1

### OPTIONAL ACCESSORIES

	Part No.	Qty.
Front Greasable Shackle Kit	OMEGS2	1
Rear Greasable Shackle Kit	OMEGS1	1
Greasable Pin Kit	OMEGP1	2
Front Extra Leaf	110XL or 11XL ⑦	
Rear Extra Leaf	113AXL/113BXL ⑦	
Front Trim Spacer	TP01	

\* First part number gives firmer ride for: FRONT—Increased axle weight eg: diesel, bullbar, winch. REAR—Regular load carriers and those who prefer a positive feel.

## LANDCRUISER 45/47 SERIES ALL LWB MODELS

### FRONT

<b>Gas Engine - Stock/Light Load (0-110lbs)</b>			
	Approx. Lift	Part No.	Qty.
Spring	1.50"	OME13	2
Shock		N81	2
<b>Gas Engine - Heavy Load (110-240lbs)</b>			
	Approx. Lift	Part No.	Qty.
Spring	1.25"	OME131	2
Shock		*N41/N81	2
<b>Diesel Engine - Stock/Light Load (0-110lbs)</b>			
	Approx. Lift	Part No.	Qty.
Spring	1.50"	OME13	2
Shock		*N41/N81	2
<b>Diesel Engine - Heavy Load (110-240lbs)</b>			
	Approx. Lift	Part No.	Qty.
Spring	1.25"	OME131	2
Shock		N41	2

### REAR

<b>Medium Load (0lbs to GVM)</b>			
	Approx. Lift	Part No.	Qty.
Spring	2.0"	OME201M ❶	2
Shock		*N42/N89	2
<b>Heavy Constant Load (880lbs to GVM)</b>			
	Approx. Lift	Part No.	Qty.
Spring	2.0"	OME201 ❶	2
Shock		N42	2

### TO COMPLETE INSTALLATION

	Part No.	Qty.
Spring Bushing Kit (Pre '80)	OMESB30 ❷	4
Spring Bushing Kit (Post '80)	OMESB1 ❷	2
Spring Bushing Kit (Post '80)	OMESB79 ❷	2
U Bolts	OMEU59A	3
U Bolts (Early)	OMEU59B	5
U Bolt (Late)	OMEU59B	4
U Bolt (Late)	OMEU55	1
Anti Inversion Kit	FK08 ❸	1
Steering Damper	OMESD23	1

### OPTIONAL ACCESSORIES

	Part No.	Qty.
Front Greasable Shackle Kit (Pre '80)	OMEGS8	1
Front Greasable Shackle Kit (Post '80)	OMEGS1	1
Rear Greasable Shackle Kit (Pre '80)	OMEGS9	1
Rear Greasable Shackle Kit (Post '80)	OMEGS2	1
Greasable Pin Kit (Pre '80)	OMEGP8	2
Greasable Pin Kit (Post '80)	OMEGP1	2
Front Extra Leaf	13XL ❹	
Rear Extra Leaf	201XL ❹	
Rear Trim Spacer	TP02	

#### Remarks:

- ❶ Remove 3rd leaf from OME201 spring stack to reduce spring rate for medium duty application.
- ❷ OMESB30 suits 35mm spring eye and hanger bracket with 15mm shackle pin hole. OMESB1 suits 35mm spring eye and hanger bracket with 18mm shackle pin hole. OMESB79 suits 35mm spring eye with 30mm hanger bracket with 18mm shackle pin hole.
- ❸ FK08 Anti Inversion Kit is mandatory fitment front and rear if greasable shackles are not fitted.
- ❹ Extra Leaf can be fitted for heavier constant load carrying ability - see page 42. IMPORTANT: Install leaf springs with military wrap at the fixed end.

\* First part number gives firmer ride for: FRONT—Increased axle weight eg: diesel, bullbar, winch. REAR—Regular load carriers and those who prefer a positive feel.

## LANDCRUISER 40/42 SERIES ALL SWB MODELS

### FRONT

Gas Engine - Stock/Light Load (0-110lbs)			
	Approx. Lift	Part No.	Qty.
Spring	1.50"	OME13	2
Shock		N81	2
Gas Engine - Heavy Load (110-240lbs)			
	Approx. Lift	Part No.	Qty.
Spring	1.25"	OME131	2
Shock		*N41/N81	2
Diesel Engine - Stock/Light Load (0-110lbs)			
	Approx. Lift	Part No.	Qty.
Spring	1.50"	OME13	2
Shock		N81	2
Diesel Engine - Heavy Load (110-240lbs)			
	Approx. Lift	Part No.	Qty.
Spring	1.25"	OME131	2
Shock		N41	2

Remarks:

- ❶ OMESB30 suits 35mm spring eye and hanger bracket with 15mm shackle pin hole. OMESB1 suits 35mm spring eye and hanger bracket with 18mm shackle pin hole.
- ❷ FK08 Anti Inversion Kit is mandatory fitment front and rear if greasable shackles are not fitted.
- ❸ Extra Leaf can be fitted for heavier constant load carrying ability - see page 42. **IMPORTANT:** Install leaf springs with military wrap at the fixed end.

### REAR

Medium Load (0lbs to GVM)			
	Approx. Lift	Part No.	Qty.
Spring	2.25"	OME14	2
Shock		*N89/N95	2
Heavy Constant Load (330lbs to GVM)			
	Approx. Lift	Part No.	Qty.
Spring	2.50"	OME141	2
Shock		N89	2

### TO COMPLETE INSTALLATION

	Part No.	Qty.
Spring Bushing Kit (Pre '80)	OMESB30 ❶	4
Spring Bushing Kit (Post '80)	OMESB1 ❶	4
U Bolts	OMEU59A	7
U Bolt (Early)	OMEU59B	1
U Bolt (Late)	OMEU55	1
Rear Anti Inversion Kit	FK08 ❷	1
Steering Damper	OMESD23	1

### OPTIONAL ACCESSORIES

	Part No.	Qty.
Front Greasable Shackle Kit (Pre '80)	OMEGS8	1
Front Greasable Shackle Kit (Post '80)	OMEGS1	1
Rear Greasable Shackle Kit (Pre '80)	OMEGS9	1
Rear Greasable Shackle Kit (Post '80)	OMEGS2	1
Greasable Pin Kit (Pre '80)	OMEGP8	2
Greasable Pin Kit (Post '80)	OMEGP1	2
Front Extra Leaf	13XL ❸	
Rear Extra Leaf	14XL ❸	
Rear Trim Spacer	TP02	

\* First part number gives firmer ride for: FRONT—Increased axle weight eg: diesel, bullbar, winch. REAR—Regular load carriers and those who prefer a positive feel.

## TACOMA V6 MODELS '98 ON

### FRONT

Stock/Light Load (0-110lbs)			
	Approx. Lift	Part No.	Qty.
Spring	1.75"	OME880 ①	2
Shock		N91SC	2
Heavy Load (110-220lbs)			
	Approx. Lift	Part No.	Qty.
Spring	1.75"	OME881 ①	2
Shock		*N91S/N91SC	2

Remarks:

- ① IMPORTANT NOTE: OME front coils can only be installed with OME Nitrocharger struts and coil seats.
- ② For Stock/Light Load applications, the 2nd leaf from the bottom of the spring pack can be removed for improved ride comfort. OME15A/B Rear Leaf Springs only fit post 1998 Xtra Cab and Double Cab models.
- ③ OMESB89 must be used with original shackles. OMESB88 must be used with OMEGS12 greasable shackles. OE rubber bushings are used at fixed end of spring. Install original OE bushings from OE springs if they are in good condition, or source new OE bushings from dealership.
- ④ FK21 Exhaust Bracket is a mandatory fitment to ensure exhaust system clears springs.

### REAR

Medium Load			
	Approx. Lift	Part No.	Qty.
Spring	2.25"	OME15A/B ②	2
Shock		*N85/N94	2

### TO COMPLETE INSTALLATION

	Part No.	Qty.
Rear Leaf Spring Bushing Kit	OMESB89 ③	2
Exhaust Bracket	FK21 ④	1

### OPTIONAL ACCESSORIES

	Part No.	Qty.
Front Trim Spacer 5mm	OME95PF5	
Rear Greasable Shackle Kit	OMEGS12	1
Rear Greasable Bushing Kit	OMESB88 ⑤	2

## 4 RUNNER V6 MODELS '96 ON

### FRONT

Stock/Light Load (0-110lbs)			
	Approx. Lift	Part No.	Qty.
Spring	1.25"	OME880 ①	2
Shock		N91SC	2
Heavy Load (110-240lbs)			
	Approx. Lift	Part No.	Qty.
Spring	1.25"	OME881 ①	2
Shock		*N91S/N91SC	2

Remarks:

- ① IMPORTANT NOTE: OME front coils can only be installed with OME Nitrocharger struts and coil seats.

### REAR

Medium Load			
	Approx. Lift	Part No.	Qty.
Spring	2.5"	OME890	2
Shock		*N86/N86C	2

### Heavy Load (330lbs to GVM)

	Approx. Lift	Part No.	Qty.
Spring	2.5"	OME891	2
Shock		N86	2

### Heavy Constant Load (660lbs to GVM)

	Approx. Lift	Part No.	Qty.
Spring	2.5"	OME892	2
Shock		N86	2

### OPTIONAL ACCESSORIES

	Part No.	Qty.
Front Trim Spacer 5mm	OME95PF5	
Rear Trim Spacer 5mm	OME80PF05	
Rear Trim Spacer 10mm	OME80PF10	

\* First part number gives firmer ride for: FRONT—Increased axle weight eg: diesel, bullbar, winch. REAR—Regular load carriers and those who prefer a positive feel.

## PICKUP EXTRA/DUAL CAB SR5 IFS & REAR LEAF MODELS '86-'94

### FRONT

Stock/Light Load			
	Approx. Lift	Part No.	Qty.
Spring		N/A ❶	
Shock		N98	2

Remarks:

- ❶ Adjust front torsion bar for additional height after installing rear springs. Set ride height to 1/3 upper bump stop clearance and 2/3 lower bump stop clearance.
- ❷ Install OE caster wedges from OE spring pack onto OME springs. Ensure wedges are fitted as per original position.
- ❸ Compare original spring pack height to OME spring pack to determine whether OMEU53 or OMEU53B U bolts are required.
- ❹ Extra Leaf can be fitted for heavier constant load carrying ability - see page 42

### REAR

Medium Load (0lbs to GVM)			
	Approx. Lift	Part No.	Qty.
Spring	1.75"	OME18 ❷	2
Shock		*N85/N94	2

### Heavy Constant Load (440lbs to GVM)

	Approx. Lift	Part No.	Qty.
Spring	2.25"	OME181 ❷	2
Shock		*N85/N94	2

### TO COMPLETE INSTALLATION

	Part No.	Qty.
Rear Leaf Spring Bushing Kit	OMESB43	2
U Bolts	OMEU53B ❸	4
Steering Damper	OMESD33	1

### OPTIONAL ACCESSORIES

	Part No.	Qty.
Rear Extra Leaf	18XL ❹	

## 4 RUNNER IFS REAR COIL SPRING MODELS

### FRONT

Stock/Light Load			
	Approx. Lift	Part No.	Qty.
Spring		N/A ❶	
Shock		N98	2

Remarks:

- ❶ Adjust front torsion bar for additional height after installing rear springs. Set ride height to 1/3 upper bump stop clearance and 2/3 lower bump stop clearance.

### REAR

Medium Load (0lbs to GVM)			
	Approx. Lift	Part No.	Qty.
Spring	1.50"	OME900	2
Shock		N72F	2

### Heavy Constant Load (330lbs to GVM)

	Approx. Lift	Part No.	Qty.
Spring	1.50"	OME901	2
Shock		N72F	2

### TO COMPLETE INSTALLATION

	Part No.	Qty.
Steering Damper	OMESD33	1

\* First part number gives firmer ride for: FRONT—Increased axle weight eg: diesel, bullbar, winch. REAR—Regular load carriers and those who prefer a positive feel.

# 4 RUNNER IFS REAR LEAF SPRING MODELS

## FRONT

<b>Stock/Light Load</b>			
	<b>Approx. Lift</b>	<b>Part No.</b>	<b>Qty.</b>
<b>Spring</b>		N/A ❶	
<b>Shock</b>		N98	2

Remarks:

- ❶ Adjust front torsion bar for additional height after installing rear springs. Set ride height to 1/3 upper bump stop clearance and 2/3 lower bump stop clearance.
- ❷ Install OE caster wedges from OE spring pack onto OME springs. Ensure wedges are fitted as per original position.
- ❸ Compare original spring pack height to OME spring pack to determine whether OMEU53 or OMEU53B U bolts are required.
- ❹ Extra Leaf can be fitted for heavier constant load carrying ability - see page 42

## REAR

<b>Medium Load (0lbs to GVM)</b>			
	<b>Approx. Lift</b>	<b>Part No.</b>	<b>Qty.</b>
<b>Spring</b>	2.0"	OME17 ❷	2
<b>Shock</b>		*N85/N94	2
<b>Heavy Constant Load (440lbs to GVM)</b>			
	<b>Approx. Lift</b>	<b>Part No.</b>	<b>Qty.</b>
<b>Spring</b>	2.25"	OME171 ❷	2
<b>Shock</b>		N85	2

### TO COMPLETE INSTALLATION

	<b>Part No.</b>	<b>Qty.</b>
<b>Rear Leaf Spring Bushing Kit</b>	OMESB6	2
<b>U Bolts</b>	OMEU53 ❸	4
<b>Steering Damper</b>	OMESD33	1

### OPTIONAL ACCESSORIES

	<b>Part No.</b>	<b>Qty.</b>
<b>Greasable Shackle Kit</b>	OMEGS3	1
<b>Greasable Pin Kit</b>	OMEGP3	1
<b>Rear Extra Leaf</b>	17XL ❹	

\* First part number gives firmer ride for: FRONT—Increased axle weight eg: diesel, bullbar, winch. REAR—Regular load carriers and those who prefer a positive feel.

## PICKUP & 4 RUNNER ALL LEAF SPRING MODELS

### FRONT

Stock/Light Load (0-110lbs)			
	Approx. Lift	Part No.	Qty.
Spring	2.0"	OME99A/B ❶	2
Shock		N84	2
Heavy Load (110-240lbs)			
	Approx. Lift	Part No.	Qty.
Spring	2.0"	OME91A/B ❶	2
Shock		*N93/N84	2

Remarks:

- ❶ A/A spring fitment may be needed on some vehicles for trimming purposes.
- ❷ 1985-89 automatic 4 Runner requires modified rear springs. Contact OME for details.
- ❸ Shock selection \*N89/N95 for medium and N89 for heavy applications applies to vehicles up to 1984 due to a 16mm eye and shorter open and closed lengths. Post 1984 vehicles with 19mm eye use \*N85/N94 for medium applications and N85 for heavy applications.
- ❹ OMEU52 is required when fitting OME91A/B or OME99A/B springs because original U bolt will foul drag link on full droop. Refer to OME Fitting Manual.
- ❺ FK09 fits all pre 1984 models. FK13 is a replacement side plate incorporating spring anti inversion feature, suitable for all 1985 models on.
- ❻ Pickup models may require an FK03 (saddle correction plates) if the spring seats are distorted. FK10 must be fitted to all models used continually off road. Refer to OME Fitting Manual.
- ❼ Extra Leaf can be fitted for heavier constant load carrying ability - see page 42.
- ❽ A trim spacer may be required to trim vehicle. Only to be used on rear springs.  
IMPORTANT: Install leaf springs with military wrap at the fixed end.

### REAR

Medium Load (0lbs to GVM)			
	Approx. Lift	Part No.	Qty.
Spring	2.0"	OME17 ❷	2
Shock (Post '84)		*N85/N94 ❸	2
Shock (Pre '84)		*N89/N95 ❸	2
Heavy Constant Load (550lbs to GVM)			
	Approx. Lift	Part No.	Qty.
Spring	2.25"	OME171 ❷	2
Shock (Post '84)		N85 ❸	2
Shock (Pre '84)		N89 ❸	2

### TO COMPLETE INSTALLATION

	Part No.	Qty.
Front Spring Bushing Kit	OMESB5	2
Rear Spring Bushing Kit	OMESB6	2
Front U Bolts	OMEU52 ❸	1
Rear U Bolts	OMEU53	4
Rear Anti Inversion Kit (Post '84)	FK13 ❸	1
Rear Anti Inversion Kit (Pre '84)	FK09 ❸	1
Steering Damper	OMESD21	1

### OPTIONAL ACCESSORIES

	Part No.	Qty.
Front Greasable Shackle Kit	OMEGS4	1
Rear Greasable Shackle Kit	OMEGS3	1
Greasable Pin Kit	OMEGP3	2
Front Fitting Kit	FK03 or FK10 ❷	1
Front Extra Leaf	9AXL/9BXL ❷	
Rear Extra Leaf	17XL ❷	
Rear Trim Spacer	TP04 ❸	

\* First part number gives firmer ride for: FRONT-Increased axle weight eg: diesel, bullbar, winch. REAR-Regular load carriers and those who prefer a positive feel.



## RAV 4 ALL MODELS '00 ON

### FRONT

Stock/Light Load (0-110lbs)			
	Approx. Lift	Part No.	Qty.
Spring	1.5"	OME793	2
Shock		N119S & N123S ②	2

### REAR

Medium Load			
	Approx. Lift	Part No.	Qty.
Spring	1.5"	OME795	2
Shock		OME031	2

## RAV 4 LWB MODELS TO '00

### FRONT

Stock/Light Load (0-110lbs)			
	Approx. Lift	Part No.	Qty.
Spring	1"	OME793	2
Shock		NC120 ①	2

### REAR

Medium Load			
	Approx. Lift	Part No.	Qty.
Spring	1"	OME794	2
Shock		OME031	2

## RAV 4 SWB MODELS TO '00

### FRONT

Stock/Light Load (0-110lbs)			
	Approx. Lift	Part No.	Qty.
Spring	1"	OME793	2
Shock		NC120 ①	2

### REAR

Medium Load			
	Approx. Lift	Part No.	Qty.
Spring	1"	OME796	2
Shock		OME031	2

Remarks:

- ① NC120 is a replaceable cartridge insert.
- ② N119S - right hand side x 1, N123S - left hand side x 1.

\* First part number gives firmer ride for: FRONT—Increased axle weight eg: diesel, bullbar, winch. REAR—Regular load carriers and those who prefer a positive feel.

# OME SHOCK ABSORBERS & STEERING DAMPERS

## NITROCHARGER & GAS SHOCKS

## STEERING DAMPERS

## LTR SHOCKS

YEAR	VEHICLE DESCRIPTION	FRONT	REAR		FRONT	REAR
<b>CHRYSLER JEEP</b>						
99 on	Grand Cherokee WJ	N111 <sup>13</sup>	N117			
92 to 98	Grand Cherokee ZJ	*N39/N39C	*N40/N40C	OMESD40 <sup>12</sup>		
84 on	Cherokee XJ	*N35/N35C	*N36/N36C	OMESD40 <sup>12</sup>		
74 to 86	Cherokee Wagon & J10 (Full Size)	N41 <sup>1</sup>	N56 <sup>1</sup>			
74 to 86	Cherokee W10 & J20 (Full Size)	N41 <sup>1</sup>	N43			
To 76	CJ5, 6, 7 & 8	*N41/N81 <sup>1</sup>	*N56/N54			
97 on	Wrangler TJ	*N66/N66C	N67 <sup>6</sup>	OMESD40 <sup>12</sup>		
87 to 95	Wrangler YJ	N33	N34	OMESD40 <sup>12</sup>		
<b>DAIHATSU</b>						
93 on	Rocky F87 Wide Track	N26F	N33			
<b>FORD</b>						
96 to 01	Explorer 4x4 Only	N16	N17			
81 to 89	Bronco (Single I Beam Front End)	N52F	N42 <sup>3</sup>	OMESD16		
81 to 89	Bronco (Dual I Beam Front End)	*N52F & N43 <sup>4</sup>	N42 <sup>3</sup>	OMESD16		
81 to 89	F100 4x4 & 4x2 (Single I Beam)	N52F	N42 <sup>3</sup>	OMESD16		
70 to 80	F100 4x4 & 4x2 (Twin I Beam)	N52F	N55	OMESD16		
70 to 79	F250 4x4 & 4x2 (Twin I Beam)	N52F	N55	OMESD16		
<b>ISUZU</b>						
4/92 on	Trooper	*N65/N26F	*N15/N15C			
To 3/92	Trooper	*N65/N26F	N88 <sup>11</sup>			
98 on	Amigo/Rodeo (Coil Spring Models)	*N65/N26F	N102			
To 96	Rodeo (Leaf Spring Models)	*N65/N26F	*N42/N89			
<b>LAND ROVER</b>						
All	Discovery Series II (Coil & Air Bag Models)	*N107/N107C	*N108/N108C	OMESD02		
All	Discovery Series I	*N115/N45F	*N44/N46/N27	OMESD11	LTR04F R&L	LTR04R
To 5/95	Range Rover (Coil Spring Models)	*N115/N45F	*N44/N46/N27	OMESD11		
84 on	Defender & County 90, 110 & 130	*N115/N45F	*N44/N46/N27	OMESD32	LTR05F	LTR05R
To 84	Land Rover Series I, II & III (80" & 109")	N78	N69	OMESD11		
To 84	Land Rover Series II & III (88" SWB)	N78	N90	OMESD11		
<b>MAZDA</b>						
87 on	B2600 Pick Up 4x4 All Models	N51 <sup>9</sup>	*N53/N53C			
<b>MITSUBISHI</b>						
4/00 on	Montero NM (Gas Engine Only)	N109S	N110			
91 to 3/00	Montero (Coil Springs) NH, NJ, NK & NL	N18	*N64/N63G			
91 to 3/00	Montero (Leaf Springs) NH, NJ, NK & NL	N18	*N56/N54			
89 to 5/91	Montero (Coil Springs) NF & NG	N60G	N62G			
To 4/91	Montero (Leaf Springs) NA, NB, NC, ND, NE, NF & NG	N60G	*N56/N54	OMESD17 Fits Non-Power Steering Models Only		
00 on	Montero Sport (Coil Springs)	N57G	N116			
98 to 00	Montero Sport (Leaf Springs)	N57G	*N56/N54			
<b>NISSAN</b>						
2/99 on	Pathfinder R50	N/A	*N104/N104C			
96 to 1/99	Pathfinder R50	N/A	*N61/N61C			
86 to 8/95	Pathfinder	N26F	*N42/N89	OMESD35		
1/86 on	Frontier, Pick Up & Xterra 4x4 Models	N58 <sup>5</sup>	N59	OMESD35 suits D21 Models Only		
1/86 on	Frontier & Pick Up D21 & D22 4x2	*N18/N57G <sup>5</sup>	*N41/N81			
83 on	720 4x4	*N18/N57G	*N42/N89			
<b>SUZUKI</b>						
95 on	Grand Vitara 4 & 6 Cylinder	N103S	*N105/N32	OMESD30		
7/88 on	Sidekick & Geo Tracker	N31S	*N105/N32	OMESD30		
82 to 95	Samurai SJ410 & SJ413 Ute (OME Springs)	OME015	OME013	OMESD30		
82 to 95	Samurai SJ410 & SJ413 (Original Springs)	OME025	OME023	OMESD30		
78 to 12/81	LJ80 & LJ80V SWB (OME Springs)	OME015	N43			
78 to 12/81	LJ80 & LJ80V SWB (Original Springs)	OME025	N/A			
78 to 12/81	LJ80 Ute (Original Springs)	OME025	OME023			
78 to 12/81	LJ80 Ute (OME Springs)	OME015	OME013			
74 to 12/81	540, LJ10, LJ20 & LJ50 (OME Springs)	OME015	OME013			
74 to 12/81	540, LJ10, LJ20 & LJ50 (Original Springs)	OME025	OME023			

# OME SHOCK ABSORBERS & STEERING DAMPERS

YEAR	VEHICLE DESCRIPTION	NITROCHARGER & GAS SHOCKS		STEERING DAMPERS	LTR SHOCKS	
		FRONT	REAR		FRONT	REAR
<b>TOYOTA</b>						
3/98 on	LandCruiser 100 Series (IFS)	N100	*N101/N101C <sup>2</sup>		LTR06F	LTR06R R&L <sup>14</sup>
4/90 to 98	LandCruiser 80 Series	*N73/N70	*N74E/N71E <sup>2</sup>	OMESD24	LTR01F	LTR01R R&L <sup>14</sup>
7/96 on	4 Runner	*N91S/N91SC	N86/N86C			
86 to 3/90	LandCruiser 60, 61 & 62 Series (Rear Lower Pin 19mm)	*N50/N88/N92	*N90/N85/N94	OMESD24		
80 to 86	LandCruiser 60 Series (Rear Lower Pin 16mm)	*N50/N88/N92	*N42/N89/N95	OMESD24		
To 11/80	LandCruiser FJ55	N43	N42			
To 12/84	LandCruiser 45 & 47 Series	*N41/N81	*N42/N89	OMESD23		
To 12/84	LandCruiser BJ, FJ & HJ 40 & 42 Series All Models	*N41/N81	*N89/N95	OMESD23		
83 to 86	Pick Up & 4 Runner (All Leaf Suspension)	*N93/N84	*N85/N94	OMESD21		
87 to 8/97	Pick Up & 4 Runner (IFS w/ Rear Leaf Springs)	N98	*N85/N94	OMESD33		
To 8/83	Pick Up (All Leaf Suspension w/ Rear Lower Pin 16mm)	*N93/N84	*N89/N95 <sup>2</sup>	OMESD21		
88 to 11/97	4 Runner (IFS w/ Rear Coil Springs)	N98	N72F	OMESD33		
98 on	Tacoma V6	*N91S/N91SC	*N85/N94			
10/00 on	Rav 4 All Models (Original Springs)	N121S & N124S	OME032			
10/00 on	Rav 4 All Models (OME Springs)	N119S & N123S	OME031			
94 to 9/00	Rav 4 All Models (Original Springs)	NC122 <sup>15</sup>	OME032			
94 to 9/00	Rav 4 All Models (OME Springs)	NC120 <sup>15</sup>	OME031			
<b>VOLKSWAGON</b>						
85 to 90	Syncro 4x4	N38S	N37			

**NOTES:** \*First part number gives firmer ride for: **FRONT:** increased axle weight eg: diesel, bullbar, winch **REAR:** Regular load carriers and those who prefer a positive feel.

- '83 and on wide track CJ Jeeps require bush kit OMEB27 on bottom front and all Cherokee wagons and Mahindra on bottom front and rear.
- Lower shock mount stone guards are recommended fitment to rear shocks to protect against severe stone peppering encountered on loose road surfaces. OME 661 (suit LandCruiser 80 & 100 Series only) OME 660 (all other models).
- '81 on F100 and Bronco require bush kit OMEB27 on bottom rear mount.
- Ford dual shocks. N43 fitted in front of N52F.
- It may be necessary to slightly increase the clearance in the front wishbone to allow the shock absorber to fit. Do not modify the shock absorber.
- FK16 20mm bump stop spacer kit MANDATORY fitment
- FK18 rear sway bar extension bracket is MANDATORY fitment with Nitrochargers to prevent damage to sway bar due to increased wheel travel.
- N75E and N68E are 20mm longer and must only be installed to right hand side.
- FK17 support brackets must be welded to upper shock mounting brackets on late 96 on models manufactured in Thailand.
- OME030 is shorter than OME029 and must be used with OE coils to ensure coils remain entrapped.
- OMEB11 bush kit is required to convert lower 19mm bush to 16mm.
- OMESD40 will only fit left hand drive models.
- To obtain maximum ride quality improvement it is recommended that an OME replacement stabiliser bar (OMESTAB1) is fitted.
- Fitment of OME662 rear stone flaps are mandatory fitment to prevent damage from stone peppering.
- NC120 & NC122 are a replaceable insert.

**Note:** Replacement dust boot part numbers: Nitrocharger OME412422, LTR OME 512422

## RACE SHOCKS SELECTION & WARRANTY EXCLUSION

Selection for individual vehicles depends on:

- Open and closed length requirements
- Vehicle front and rear weight distribution

The table below lists suggested selection for various competition vehicle types.

Vehicle Type	Front	Rear
Buggies	OME007: 1 per side	OME007: 1 per side
		= Multiple fitment required
		*OME018: 2 per side
Baja	OME007: 1 per side	OME007: 2 per side OME018: 2 per side
4WD - Large	N76: 4 per side	N76: 2 per side
- Small	N76: 3 per side	N76: 2 per side

\*HANDLING VARIATION CAN BE CHANGED BY REMOVING ONE SHOCK

## Shock Characteristics & Specifications

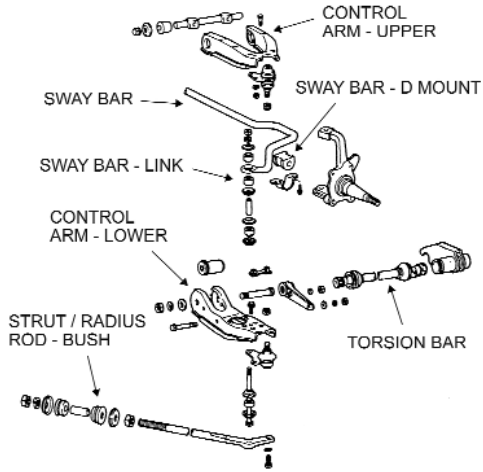
Part No	Top Mount	Lower Mount	Open Length	Closed Length	*Characteristic
OME007	Large Eye	Large Eye	600mm	359mm	Compression
OME018	Large Eye	Large Eye	585mm	359mm	Rebound
N76	Large Eye	Large Eye	680mm	408mm	Rebound

\*INDICATES THE PROMINENT VALVING FIRMNESS

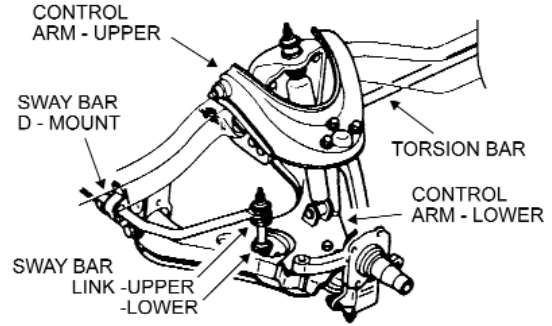
## Warranty Implications

The fitter selling these shocks **must** inform the customer there is **no warranty** applicable due to the severe nature of competition racing. The fitter must also note on the customer's receipt "racing application no warranty applies". This will prevent any future misunderstanding.

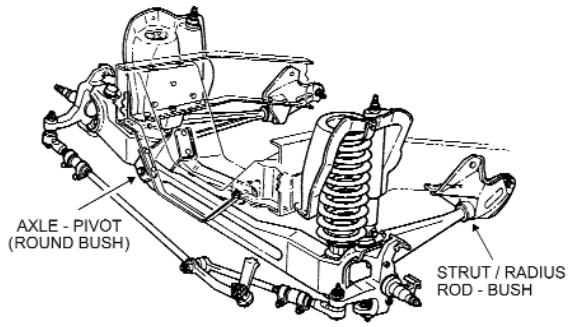
# DIAGRAM REFERENCE FOR SUSPENSION BUSHING KITS



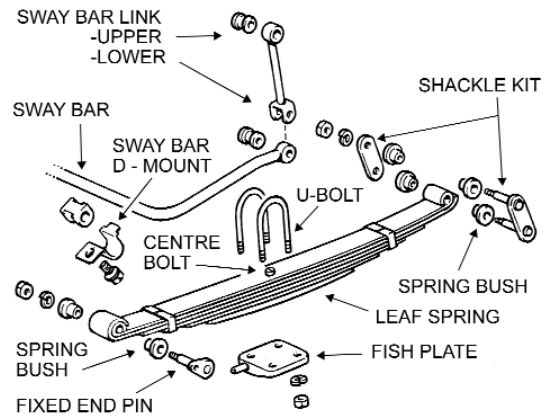
**Diagram 1.**



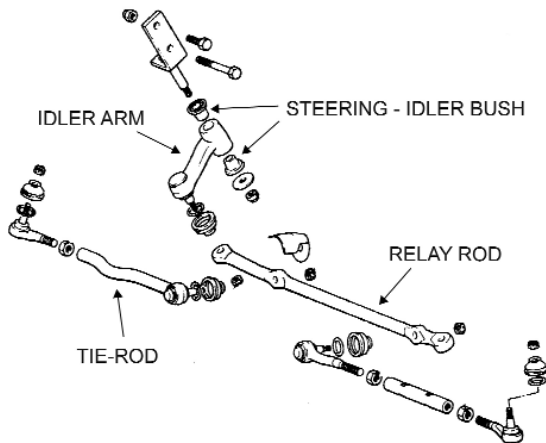
**Diagram 2.**



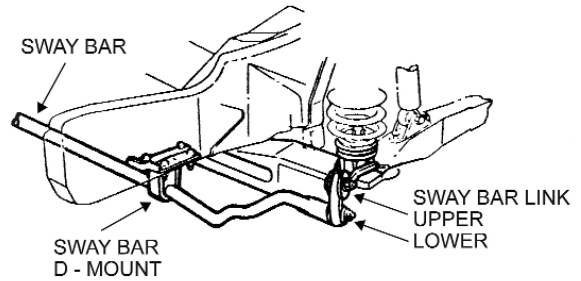
**Diagram 3.**



**Diagram 4.**

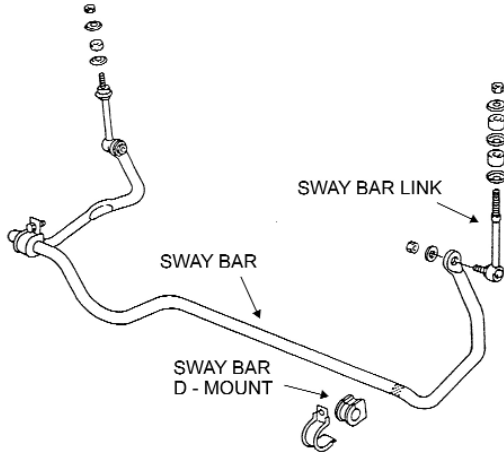


**Diagram 5.**

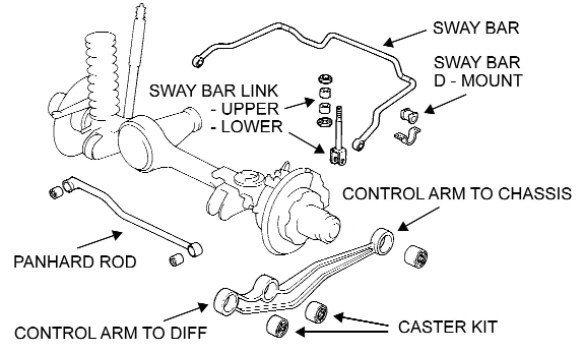


**Diagram 6.**

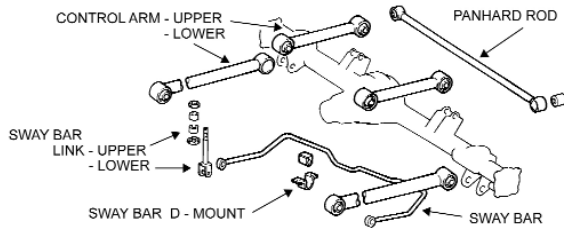
# DIAGRAM REFERENCE FOR SUSPENSION BUSHING KITS



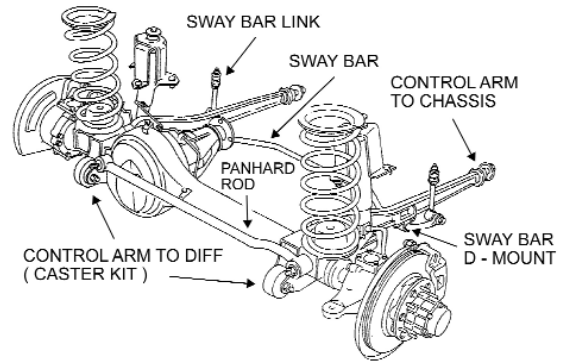
**Diagram 7.**



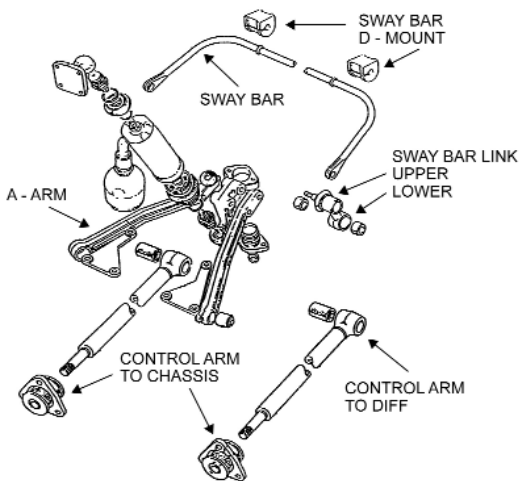
**Diagram 8.**



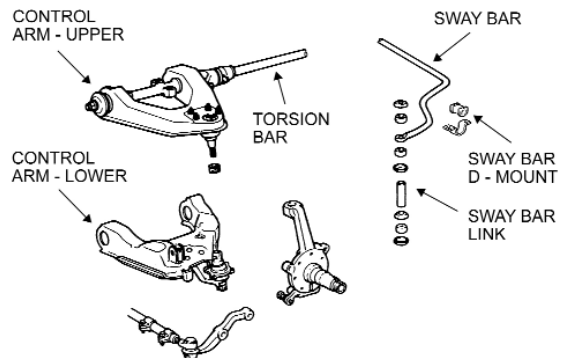
**Diagram 9.**



**Diagram 10.**



**Diagram 11.**



**Diagram 12.**

# SUSPENSION BUSHING KIT SELECTION

VEHICLE	YEAR	LOC'N	DESCRIPTION	OME P/No.	QTY REQ.	NOTE
<b>DAIHATSU</b>						
Rocky All Models	4/84 to 93	F	Panhard rod	OMESB8119	1	" "
			Sway bar - D mount (22mm)	OMESB2922	1	" "
			Sway bar - link	OMESB2264	1	" "
			Sway bar - link eye	OMESB0052	1	" "
<b>FORD</b>						
F Series						
All Models	70 to 81	F	Axle - pivot (round bush)	OMESB7171	1	Refer Diagram 3
	1/90 to 12/91		Axle - pivot (round bush)	OMESB7171	1	" "
F100, F150, F250 & Bronco	70 to 12/91		Sway bar - link	OMESB2147	1	Refer Diagram 6
F100, F150, F250, F350 & Bronco	81 to 12/91		Sway bar - D mount (25mm)	OMESB2145	1	" "
F100	71 to 8/78		Sway bar - D mount (21mm)	OMESB2023	1	" "
F100 & Bronco	70 to 11/77		Strut/radius rod - bush	OMESB8154	1	Refer Diagram 3
F350	1/74 to 11/75		Strut/radius rod - bush	OMESB8154	1	" "
F350	11/75 to 81		Strut/radius rod - bush	OMESB8155	1	" "
F Series All Models	81 to 5/91		Strut/radius rod - bush	OMESB8114	1	" "
	5/91 to 12/91		Strut/radius rod - bush	OMESB8014	1	" "
	70 to 12/91	R	Sway bar - link upper	OMESB2148	1	Refer Diagram 6
	70 to 81		Sway bar - link lower	OMESB2149	1	" "
			Sway bar - link lower	OMESB2147	1	" "
	70 to 81		Sway bar - D mount (28mm)	OMESB2146	1	" "
F350	7/87 to 12/91		Sway bar - D mount (28mm)	OMESB2146	1	" "
F Series Bronco	81 to 7/87		Sway bar - D mount (25mm)	OMESB2145	1	" "
<b>ISUZU</b>						
Trooper Models						
UBS 13, 16 & 52	84 to 86	F	Control arm - upper	OMESB5251	1	Refer Diagram 1
UBS 13, 16 & 52			Control arm - lower	OMESB5248	1	" "
			Steering - idler bush	OMESB1028	1	Refer Diagram 5
			Strut/radius rod - bush	OMESB8106	1	Refer Diagram 1
			Sway bar - link	OMESB2363	1	" "
UBS 16 & 17	8/85 to 91		Control arm - upper	OMESB5243	1	" "
			Control arm - lower front	OMESB5250	1	" "
			Control arm - lower rear	OMESB5247	1	" "
			Strut/radius rod - bush	OMESB2032	1	" "
			Sway bar - link	OMESB2032	1	" "
		R	Spring & shackle bush kit	OMESB90	2	Suits OE & OME springs Refer Diagram 4
All Models	3/92 to 97	F	Control arm - upper	OMESB5243	1	Refer Diagram 2
			Control arm - lower rear	OMESB5247	1	" "
		R	Control arm - upper	OMESB6127	2	Refer Diagram 9
Wagon Models Only			Control arm - lower	OMESB6127	2	" "
			Panhard rod	OMESB8152	1	" "
			Sway bar - D mount (21.5mm)	OMESB2246	1	" "
Rodeo/Isuzu Pick Up Models						
KB79 & KB40 - 4WD	79 to 80	F	Sway bar - link	OMESB2363	1	Refer Diagram 1
All Models	81 to 87	F	Control arm - upper	OMESB5251	1	" "
			Control arm - lower	OMESB5248	1	" "
			Steering - idler bush	OMESB1028	1	Refer Diagram 5
			Strut/radius rod - bush	OMESB8106	1	Refer Diagram 1
			Sway bar - link inner/outer	OMESB2363	2	" "
		R	Spring bush	OMESB80	2	Suits OE & OME springs Refer Diagram 4
All Models	88 on	F	Control arm - upper	OMESB5243	1	Refer Diagram 2
V6 Models Only			Control arm - lower front (L=56mm)	OMESB5250	1	" "
V6 Models Only			Control arm - lower rear (L=85mm)	OMESB5247	1	" "
			Sway bar - link	OMESB2032	1	" "
		R	Spring bush	OMESB80	2	Suits OE & OME springs Refer Diagram 4

# SUSPENSION BUSHING KIT SELECTION

VEHICLE	YEAR	LOC'N	DESCRIPTION	OME P/No.	QTY REQ.	NOTE
<b>LAND ROVER</b> Defender 90, 110 & 130 Models	92 on	F	Caster kit	CALR2	1	Suits 44mm wide control arms Refer Diagram 8
			Control arm - to diff	OMESB0072	1	" "
			Control arm - to chassis	OMESB0066	1	" "
			Panhard rod	OMESB0065	1	" "
			Sway bar - link	OMESB3022	1	" "
			Coil packer - 5mm	OME80PF05		" "
		R	A arm - upper	OMESB0071	1	Refer Diagram 11
			Control arm - to diff	OMESB0070	1	" "
			Control arm - to chassis (20mm-ID)	OMESB0069	1	" "
			Sway bar - link	OMESB3022	1	" "
County 110 Model	84 to 92	F	Caster kit	CALR1	1	Suits 38mm wide control arms Refer Diagram 8
			Control arm - to diff	OMESB0067	1	" "
			Control arm - to chassis	OMESB0066	1	" "
			Panhard rod	OMESB0065	1	" "
		R	A arm - upper	OMESB0071	1	Refer Diagram 11
			Control arm - to diff	OMESB0070	1	" "
			Control arm - to chassis (16mm-ID)	OMESB0068	1	" "
			Control arm - to chassis (20mm-ID)	OMESB0069	1	" "
Discovery All Models	89 to 99	F	Caster kit	CALR2	1	Suits 44mm wide control arms Refer Diagram 8
			Control arm - to diff	OMESB0072	1	" "
			Control arm - to chassis	OMESB0066	1	" "
			Panhard rod	OMESB0065	1	" "
			Sway bar - link	OMESB3022	1	" "
		R	A arm - upper	OMESB0071	1	Refer Diagram 11
			Control arm - to diff	OMESB0070	1	" "
			Control arm - to chassis (20mm-ID)	OMESB0069	1	" "
			Sway bar - link	OMESB3022	1	" "
Range Rover	72 to 86	F	Caster kit	CALR1	1	Suits 38mm wide control arms Refer Diagram 8
			Control arm - to diff	OMESB0067	1	" "
			Control arm - to chassis	OMESB0074	1	" "
			Panhard rod	OMESB0073	1	" "
		R	A arm - upper	OMESB0071	1	Refer Diagram 11
			Control arm - to diff	OMESB0070	1	" "
			Control arm - to chassis (16mm-ID)	OMESB0068	1	" "
			Control arm - to chassis (20mm-ID)	OMESB0069	1	" "
Range Rover	86 to 95	F	Caster kit	CALR2	1	Suits 44mm wide control arms Refer Diagram 8
			Control arm - to diff	OMESB0072	1	" "
			Control arm - to chassis	OMESB0066	1	" "
			Panhard rod	OMESB0065	1	" "
			Sway bar - link	OMESB3022	1	" "
		R	A arm - upper	OMESB0071	1	Refer Diagram 11
			Control arm - to diff	OMESB0070	1	" "
			Control arm - to chassis (16mm-ID)	OMESB0068	1	" "
			Control arm - to chassis (20mm-ID)	OMESB0069	1	" "
			Sway bar - link	OMESB3022	1	" "
<b>MAZDA</b> B2500 & B2600	3/87 to 98	F	Steering - idler bush	OMESB1078	1	Refer Diagram 5
B2600	3/87 to 1/96		Sway bar - D mount (24mm)	OMESB2924	1	Refer Diagram 7
B2500 & B2600	3/87 to 98		Sway bar - link	OMESB2361	1	" "
B2500 & B2600		R	Spring bush	OMESB82	2	Refer Diagram 4

# SUSPENSION BUSHING KIT SELECTION

VEHICLE	YEAR	LOC'N	DESCRIPTION	OME P/No.	QTY REQ.	NOTE
<b>MITSUBISHI</b>						
Montero Sport (Rear Leaf Springs)	98 to 5/00	F	Control arm - lower front	OMESB5240	1	Refer Diagram 2
			Control arm - lower rear	OMESB6120	1	" "
		R	Spring bush	OMESB83	2	Refer Diagram 4
			Sway bar - D mount (25mm leaf springs)	OMESB2222	1	" "
Montero						
All Models NA to NJ	83 on	F	Control arm - lower front mount	OMESB5240	1	Refer Diagram 2
NA, NB, NC, ND, NE, NF & NG	83 to 5/91		Control arm - lower rear mount	OMESB5230	1	" "
NH & NJ	5/91 to 10/96		Control arm - lower rear mount	OMESB6120	1	" "
NA & NF	83 to 8/89		Diff - mount	OMESB9077	1	
NA & NG	83 to 5/91		Steering - idler bush	OMESB1005	1	Refer Diagram 5
NH & NJ	5/91 to 10/96		Steering - idler bush	OMESB1086	1	" "
NA, NB, NC, ND, NE, NF & NG	83 to 5/91		Sway bar - D mount (21mm)	OMESB2225	1	Refer Diagram 2
NH & NJ	7/93 on		Sway bar - D mount (26.5mm)	OMESB2229	1	Suits 7/93 on V6 wagon models Refer Diagram 2
NH & NJ	5/91 to 6/93		Sway bar - D mount (27mm)	OMESB2241	1	Suits 2.5, 2.6 & 3.0 wagon models Refer Diagram 2
NH & NJ	7/93 on		Sway bar - D mount (28mm)	OMESB2230	1	Suits all wagon models Refer Diagram 2
NG	9/89 to 5/91		Sway bar - link inner	OMESB2361	1	Suits V6 & intercooled diesel models Refer Diagram 2
NA, NB, NC, ND, NE, NF & NG	83 to 5/91		Sway bar - link inner/outer	OMESB2360	2	Suits 4 cyl petrol & diesel models not intercooled Refer Diagram 2
NF & NG	8/88 to 5/91	R	Control arm - to chassis	OMESB6124	1	Refer Diagram 9
NH & NJ	5/91 to 10/96		Control arm - to chassis	OMESB6125	1	" "
NF & NH	8/88 to 6/93		Control arm - to diff	OMESB6117	1	" "
All Models	83 on		Panhard rod	OMESB8112	1	" "
NH & NJ	5/91 to 6/93		Sway bar - D mount (18.5mm)	OMESB2180	1	Suits V6 wagon & SWB models Refer Diagram 9
NA, NB, NC, ND, NE & NF	83 to 8/89		Sway bar - D mount (23mm)	OMESB2223	1	" "
NH & NJ	5/91 to 10/96		Sway bar - D mount (23mm)	OMESB2223	1	Suits diesel 4M40 & V6 wagon 7/93 on models Refer Diagram 9
NG, NH & NJ	9/89 to 10/96		Sway bar - link	OMESB2032	1	Refer Diagram 9
All Leaf Spring Models	5/91 on		Spring bush	OMESB8	2	Refer Diagram 4
<b>NISSAN</b>						
720 Models	8/79 to 85	F	Control arm - upper	OMESB5071	1	Refer Diagram 1
			Control arm - lower	OMESB5275	1	" "
	8/79 to 5/82		Steering - idler bush	OMESB1001	1	Refer Diagram 5
	5/82 to 85		Steering - idler bush	OMESB1014	1	Re-use original rubber flange Refer Diagram 5
	8/79 to 85		Strut/radius rod - bush (L=45mm)	OMESB8010	1	Refer Diagram 1
			Strut/radius rod - bush (L=62mm)	OMESB8018	1	" "
			Sway bar - D mount (23mm)	OMESB2075	1	" "
			Sway bar - link	OMESB2010	1	" "
Pick Up D21 All	9/85 to 97	F	Control arm - upper	OMESB5071	1	" "
			Control arm - lower	OMESB7154	1	" "
			Steering - idler bush	OMESB1014	1	Refer Diagram 5
			Strut/radius rod - bush (L=45mm)	OMESB8010	1	Refer Diagram 1
			Strut/radius rod - bush (L=62mm)	OMESB8018	1	" "
	9/85 to 10/86		Sway bar - D mount (20mm)	OMESB2312	1	" "
	8/86 to 97		Sway bar - D mount (20mm)	OMESB2293	1	" "
	9/85 to 97		Sway bar - link	OMESB2379	1	" "
		R	Spring & shackle bush kit	OMESB81	2	Refer Diagram 4
Pick Up D22 All	2/97 on	F	Control arm - lower rear	OMESB7154	1	Refer Diagram 1
			Sway bar - link upper	OMESB2379	1	" "
		R	Spring & shackle bush kit	OMESB81	2	Refer Diagram 4

continued>>>



# SUSPENSION BUSHING KIT SELECTION

VEHICLE	YEAR	LOC'N	DESCRIPTION	OME P/No.	QTY REQ.	NOTE	
<b>NISSAN (continued)</b>							
Pathfinder All	8/86 to 94	F	Control arm - upper	OMESB5071	1	Refer Diagram 1	
			Control arm - lower	OMESB7154	1	" "	
			Steering - idler bush	OMESB1014	1	Refer Diagram 5	
			Strut/radius rod - bush (L=45mm)	OMESB8010	1	Refer Diagram 1	
			Strut/radius rod - bush (L=62mm)	OMESB8018	1	" "	
			Sway bar - D mount (23mm)	OMESB2292	1	" "	
			Sway bar - link	OMESB2379	1	" "	
Pathfinder All V6		R	Panhard rod	OMESB8140	1	Refer Diagram 9	
Pathfinder All	8/86 to 94		Sway bar - D mount (25mm)	OMESB2305	1	" "	
			Sway bar - link	OMESB2379	1	" "	
<b>SUZUKI</b>							
Grand Vitara XL-7 JA627W-2 LJ50	8/01 on	F	Sway bar - link upper	OMESB2363	1	Refer Diagram 7	
	74 to 6/78	F	Spring bush	OMESB25	2	Suits OE & OME springs Refer Diagram 4	
LJ80	7/81 on 74 to 6/78		Sway bar - D mount (22mm)	OMESB2096	1	Refer Diagram 7	
		R	Spring bush	OMESB25	2	Suits OE & OME springs Refer Diagram 4	
	7/78 to 12/81	F	Spring bush	OMESB19	2	Suits OE & OME springs Refer Diagram 4	
		R	Spring bush	OMESB19		Refer Diagram 4	
Samurai SJ410 & SJ413	7/81 to 95	F	Spring bush	OMESB19	2	Suits OE & OME springs Refer Diagram 4	
		R	Spring bush	OMESB19	2	Suits OE & OME springs Refer Diagram 4	
			Sway bar - link	OMESB2363	1	Refer Diagram 4	
Sidekick SE416 JX & JLX	88 on	F	Sway bar - link eye	OMESB3002	1	" "	
			Control arm - lower rear	OMESB5221	1	" "	
			Sway bar - D mount (24mm)	OMESB2167	1	" "	
		R	Sway bar - link lower	OMESB2363	1	" "	
		R	Control arm - lower front/rear	OMESB6102	1	" "	
<b>TOYOTA</b>							
LandCruiser 100 Series FZJ100, HDJ100 & UZJ100R - IFS	98 on	F	Sway bar - D mount (27mm large bracket)	OMESB0097	1	Refer Diagram 7	
			Sway bar - D mount (29mm large bracket)	OMESB0092	1	" "	
			Sway bar - link upper	OMESB2361	1	" "	
			R	Sway bar - link	OMESB2915	1	" "
				Coil packer - 5mm	OME80PR05		
LandCruiser Prado 90 Series	4/96 to 9/97	F	Sway bar - link	OMESB2361	1	Refer Diagram 7	
			Coil packer - 5mm	OME95PF5			
	All 4/96 to 9/97	R	Sway bar - link	OMESB2915	1	Refer Diagram 9	
	All		Coil packer - 5mm	OME80PF05			
LandCruiser 80 Series	1/90 on	F	Coil packer - 10mm	OME80PF10			
			Caster kit	OMECA77B	1	Refer Diagram 8	
			Control arm - complete bush kit	OMESB0045	2	" "	
			Control arm - to chassis only	OMESB0050	1	Use with OMECA77B Refer Diagram 8	
			Panhard rod	OMESB0046	1	Refer Diagram 8	
			Sway bar - D mount (24mm small bracket)	OMESB0063	1	" "	
			Sway bar - D mount (26mm small bracket)	OMESB0094	1	" "	
			Sway bar - D mount (26mm large bracket)	OMESB0091	1	" "	
			Sway bar - D mount (29mm large bracket)	OMESB0092	1	" "	
			Sway bar - link upper	OMESB0051	1	" "	
			Sway bar - link lower	OMESB0044	1	" "	
			Coil packer - 5mm	OME80PF05			
			Coil packer - 10mm	OME80PF10			
		R	Control arm - upper	OMESB0048	1	Refer Diagram 9	
			Control arm - lower	OMESB0047	1	" "	
			Panhard rod	OMESB0053	1	" "	
			Sway bar - D mount (25mm small bracket)	OMESB0049	1	" "	
			Sway bar - D mount (25mm large bracket)	OMESB0095	1	" "	
			Sway bar - link upper	OMESB0051	1	" "	
			Sway bar - link lower	OMESB0052	1	" "	
			Coil packer - 5mm	OME80PR05			
			Coil packer - 10mm	OME80PF10			

continued>>>

# SUSPENSION BUSHING KIT SELECTION

VEHICLE	YEAR	LOC'N	DESCRIPTION	OME P/No.	QTY REQ.	NOTE		
<b>TOYOTA (continued)</b> LandCruiser 78 & 79 Series	8/99 on	F	Caster kit	OMECA77B	1	Refer Diagram 8		
		R	Spring bush	OMESB84	2	Suits single cab models with OE shackles & pins. Refer Diagram 4		
			Spring bush	OMESB85	2	Suits OME greasable shackles & pin kits. Refer Diagram 4		
			Spring bush	OMESB86	2	Suits Troop Carrier models OE shackles & pins. Refer Diagram 4		
			Sway bar - D mount (25mm large bracket)	OMESB0095	1	Refer Diagram 4		
			Sway bar - link lower	OMESB0044	1	" "		
LandCruiser FJ/BJ 70, 73 & 74 Series	87 to 92	F	Panhard rod	OMESB8133	1	Refer Diagram 8		
			Control arm - front	OMESB6151	1	" "		
			Control arm - rear	OMESB8131	1	" "		
		Sway bar - link	OMESB2361	1	" "			
	85 to 7/87		Sway bar - D mount (19mm)	OMESB2324	1	Suits to 5/86 Refer Diagram 8		
	87 to 92		Sway bar - D mount (23mm)	OMESB0063	1	Suits 5/86 on Refer Diagram 8		
	85 to 92		Spring & shackle bush kit	OMESB1	2	Suits OE & OME springs Refer Diagram 4		
	87 to 92	R	Panhard rod	OMESB8133	1	Refer Diagram 8		
	85 to 92		Control arm - front	OMESB8131	1	" "		
		Control arm - rear	OMESB6151	1	" "			
	87 to 92		Sway bar - D mount (25mm large bracket)	OMESB0095	1	" "		
	85 to 92		Spring & shackle bush kit	OMESB1	2	Suits OE & OME springs Refer Diagram 4		
	LandCruiser HJZ70/75 Series	1/85 to 3/90	F	Sway bar - link	OMESB2915	1	Refer Diagram 4	
				Sway bar - D mount (23mm)	OMESB2327	1	Suits to 5/86 Refer Diagram 4	
			Sway bar - D mount (23mm)	OMESB2923	1	Suits 5/86 on Refer Diagram 4		
			Sway bar - D mount (25mm)	OMESB2925	1	Refer Diagram 4		
			Sway bar - D mount (25mm)	OMESB0095	1	" "		
			Spring & shackle bush kit	OMESB1	2	Suits OE & OME springs Refer Diagram 4		
			R	Spring & shackle bush kit	OMESB16	2	Suits OE & OME springs Refer Diagram 4	
LandCruiser HJZ 70/75 Series			90 to 8/99	F	Sway bar - link	OMESB2361	1	Refer Diagram 4
					Sway bar - D mount (23mm)	OMESB2923	1	" "
					Sway bar - D mount (25mm)	OMESB2925	1	" "
		Spring & shackle bush kit		OMESB1	2	Suits OE & OME springs Refer Diagram 4		
LandCruiser 60 Series	8/80 to 11/84	R	Spring & shackle bush kit	OMESB16	2	Suits OE & OME springs Refer Diagram 4		
		F	Spring bush	OMESB1	2	Suits OE & OME springs Refer Diagram 4		
			Sway bar - D mount (19mm)	OMESB2324	1	Refer Diagram 4		
			Sway bar - link	OMESB2915	1	" "		
			R	Spring bush	OMESB1	2	" "	
			Sway bar - D mount (21mm)	OMESB2326	1	" "		
LandCruiser 50 Series	3/69 to 7/80	R	Sway bar - link lower	OMESB0044	1	" "		
			Sway bar - D mount (22mm)	OMESB2106	1	" "		
LandCruiser 55 Series			Sway bar - link lower	OMESB0044	1	" "		
		F&R	Spring & shackle bush kit	OMESB7	2	Suits OE springs Refer Diagram 4		
LandCruiser 40 Series	1/79 to 10/84	F	Spring & shackle bush kit (15mm-ID)	OMESB30	2	Suits 35mm spring eye & 15mm shackle pin Refer Diagram 4		
			Spring & shackle bush kit (18mm-ID)	OMESB1	2	Suits 35mm spring eye & 18mm shackle pin Refer Diagram 4		
			R	Sway bar - D mount (22mm)	OMESB2106	1	Refer Diagram 4	
			Spring & shackle bush kit (15mm-ID)	OMESB30	2	Suits 35mm spring eye & 15mm shackle pin Refer Diagram 4		
				Spring & shackle bush kit (18mm-ID)	OMESB1	2	Suits 35mm spring eye & 18mm shackle pin Refer Diagram 4	

# SUSPENSION BUSHING KIT SELECTION

VEHICLE	YEAR	LOC'N	DESCRIPTION	OME P/No.	QTY REQ.	NOTE	
<b>TOYOTA (continued)</b> LandCruiser FJ45 & 47	79 to 84	F	Spring & shackle bush kit (15mm-ID)	OMESB30	2	Suits 35mm spring eye & 15mm shackle pin Refer Diagram 4	
		R	Spring & shackle bush kit (18mm-ID)	OMESB1	2	Suits 35mm spring eye & 18mm shackle pin Refer Diagram 4	
			Sway bar - link lower	OMESB0044	1	Refer Diagram 4	
			Spring bush (18mm-ID)	OMESB79	2	Suits 35mm spring eye/30mm hanger bracket Refer Diagram 4	
4 Runner LN130 Series	10/89 to 6/96	F	Control arm - upper front	OMESB5285	1	Refer Diagram 12	
			Control arm - upper rear	OMESB5301	1	" "	
			Control arm - lower front/rear	OMESB5293	1	" "	
			Steering - idler bush	OMESB1052	1	Refer Diagram 5	
			Steering - idler bush	OMESB1076	1	" "	
			Sway bar - D mount (25mm)	OMESB0049	1	Refer Diagram 12	
			Sway bar - link	OMESB2360	1	" "	
			R	Sway bar - D mount (21mm)	OMESB2921	1	Refer Diagram 7
			Sway bar - link	OMESB0051	1	" "	
		HiLux All Models 8/79-7/83 SR5	8/79 to 7/83	F	Control arm - upper	OMESB5296	1
	Control arm - lower			OMESB5302	1	" "	
	Diff - location rod			OMESB8125	1	" "	
	Steering - idler bush (24mm-OD)			OMESB1076	1	Refer Diagram 5	
	Steering - idler bush (29mm-OD)			OMESB1008	1	" "	
	Strut/radius rod - bush			OMESB8110	1	Refer Diagram 1	
	Sway bar - D mount (21mm)			OMESB2326	1	" "	
	Sway bar - link			OMESB2915	1	" "	
HiLux YN57 & 58 HiLux LN61 & YN63 HiLux YN/LN 55 & 56 Series HiLux YN/LN 55, 56, 57 & 58 Series, LN61 & YN63 HiLux LN55, 56, YN55, 56, 57 & 58 HiLux YN57 HiLux YN55, 56, 57 & 58 HiLux YN 55, 56, 57 & 58 Series	8/83 to 8/88	F	Control arm - upper	OMESB5296	1	" "	
			Control arm - lower	OMESB5293	1	" "	
			Control arm - lower	OMESB5302	1	" "	
			Steering - idler bush (24mm OD)	OMESB1076	1	Refer Diagram 5	
			Strut/radius rod - bush	OMESB8110	1	Refer Diagram 1	
			Sway bar - D mount (18mm)	OMESB2323	1	" "	
			Sway bar - D mount (23mm)	OMESB2327	1	" "	
			Sway bar - link	OMESB2915	1	" "	
			Spring & shackle bush kit	OMESB5	2	Suits OE & OME springs Refer Diagram 4	
			R	Spring & shackle bush kit	OMESB6	2	Suits OE & OME springs Refer Diagram 4
HiLux RN105 & RN106 Series	9/88 to 11/97	F	Control arm - upper front	OMESB5285	1	Refer Diagram 12	
			Control arm - upper rear	OMESB5301	1	" "	
			Control arm - lower front/rear	OMESB5293	2	Suits RN106 model Refer Diagram 12	
			Steering - idler bush	OMESB1052	1	Refer Diagram 5	
			Steering - idler bush	OMESB1076	1	" "	
			Sway bar - link	OMESB2032	1	Refer Diagram 12	
			Sway bar - D mount (25mm)	OMESB0049	1	" "	
			Spring & shackle bush kit	OMESB5	2	Suits OE & OME springs Refer Diagram 4	
			R	Spring & shackle bush kit	OMESB6	2	Suits OE & OME springs Refer Diagram 4
		HiLux LN/RN 147, 167, 169, 172 & 174	11/97 on	F	Control arm - upper inner front	OMESB5285	1
	Control arm - upper inner rear			OMESB5301	1	Suits LN167 & 172, RZN167 & 174 Refer Diagram 12	
	Sway bar - link			OMESB2915	1	Refer Diagram 12	
	Sway bar - D mount (25mm)			OMESB0049	1	" "	
HiLux All		R	Spring bush	OMESB43	2	Suits OME springs Refer Diagram 4	
			Spring bush	OMESB88	2	Use with OME greasable shackles Refer Diagram 4	
Tacoma les		R	Spring bush	OMESB88	2	Use with OME greasable shackles Refer Diagram 4	
			Spring bush	OMESB89	2	Use with original shackles Refer Diagram 4	

# ADDING OR REMOVING EXTRA LEAVES

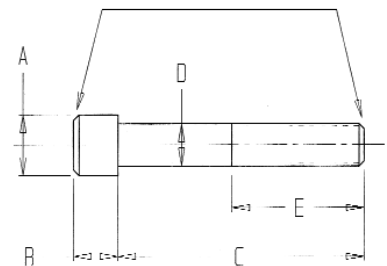
To accommodate alterations to vehicle loads and accessories, many Old Man Emu leaf springs are modular in design. As load changes necessitate a lighter or heavier spring rate, specific leaves may be added to or removed from the OME spring pack. For instructions on adding or removing Extra Leaves, refer to page 58.

Spring Part No.	Add Extra Leaf	Center Bolt Required	To Make Spring No.
OME11	11XL		OME111
OME110	110XL		OME11
OME113A/B	113AXL/113BXL		OME1131A/B
OME1131A/B	113AXL/113BXL	UCB2	OME11311A/B
OME13	13XL		OME131
OME131	13XL	UCB8	OME1311
OME14	14XL		OME141
OME141	14XL	UCB8	OME1411
OME17	17XL		OME171
OME171	17XL	UCB6	OME1711
OME181	18XL	UCB6	OME1811
OME19	19XL		OME191
OME201	201XL	UCB4	OME2011
OME36	36XL		OME361
OME3911	39XL		OME39111
OME391	39XL	UCB4	OME3911
OME3A/B	3AXL/3BXL		OME31A/B
OME4	4XL		OME41
OME41	4XL	UCB1	OME411
OME492	49XL	UCB5	20% INCREASE IN PRIMARY RATE
OME57	57XL		OME571
OME571	57XL	UCB6	OME5711
OME6A/B	6XL		OME61A/B
OME61A/B	6XL	UCB1	OME611A/B
OME67	67XL		OME671
OME99A/B	9AXL/9BXL		OME91A/B
OMENN1	NNXL		OMENN11
OMENN11	NNXL		OMENN111
OMEROD11	RODXL		15% INCREASE IN PRIMARY RATE
OMES1A	S1AXL		OMES11A
OMES1B	S1BXL		OMES11B
OMES2	S2AXL		OMES21
OMEJCI A/B+JC2A/B	JCXL		20% INCREASED SPRING RATE

To knock a spring down the general rule is to remove the 3rd leaf down from the main leaf. However, should the 3rd leaf have a spring clip attached remove the 4th leaf.

## REPLACEMENT CENTER BOLTS

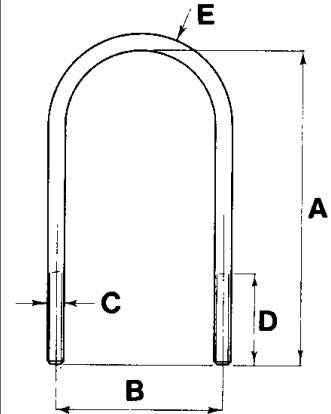
Center Bolt Part No.	Dimensional Details						Spring Part No.
	Head Diameter A	Head Depth B	Shank Length C	Shank Diameter D	Thread Length E	Thread	
UCB 1	17	10	90	9.5	50	3/8 UNF	OME411, 41, 4, 6, 61
UCB 2	15	15	90	9.5	50	3/8 UNF	OME11311, 1131, 113, 21, 221
UCB 3	14	11	70	9.5	50	3/8 UNF	OME11, 110, 111, 3, 37, 371, 3711, 221
UCB 4	14	8	110	9.5	50	3/8 UNF	OME29, 291, 2911, 201, 2011, 39, 391, 3911
UCB 5	14	8	70	9.5	50	3/8 UNF	OME19, 191, 22, 26, 57, 571, 67, 671, 49, 491, 492
UCB 6	14	8	80	7.9	50	5/16 UNF	OME1711, 171, 17, 181, 99, 91
UCB 7	14	5	55	7.9	35	5/16 UNF	OMES2, S21, S1
UCB 8	12	9	75	7.9	50	5/16 UNF	OME1311, 13, 131, 141, 14, JC1, JC2
UCB 9	13	10	55	7.9	40	5/16 UNF	OMEJ1F, J1R, J2R
UCB 10	14	8	120	9.5	40	3/8 UNF	OME39111
UCB 11	17	10	115	9.5	40	3/8 UNF	OME611
UCB 12	11	8	70	7.9	40	5/16 UNF	OMEROD
UCB 13	14	6	70	9.5	40	3/8 UNF	OMENN



# U BOLTS

OE spring stack height must be compared to OME spring before final U Bolt selection as OE spring stack heights may vary from model to model.

PART NO.	Vehicle	A LEG LENGTH mm	B LEG CENTRES mm	C THREAD DIA mm	D THREAD LENGTH mm	THREAD PITCH	E TOP TYPE	TORQUE N/m
OMEU51	60, 70, 73, 74, 75 series front	210	85	14	70	1.5	SQUARE	125
OMEU52	Hilux front RHS (rear at front – see Manual)	200	76	14	75	1.5	FLAT	125
OMEU53	Hilux rear	168	75	14	70	1.5	SQUARE	125
OMEU53B	Hilux rear to suit OME18 & OME181 spring	200	75	14	70	1.5	SQUARE	125
OMEU54	Pajero SWB (with spring 22)	175	85	12	70	1.25	ROUND	105
OMEU55	Late Model 40, 42, 45 (with spring 131)	218	97	14	70	1.5	SQUARE	125
OMEU56	Nissan Patrol MQ front driver side	100	75	12	70	1.25	SQUARE	105
OMEU57	Nissan Patrol MQ front passenger side	190	88	12	70	1.25	ROUND	105
OMEU58	Nissan Patrol MQ rear	210	110	14	75	1.5	ROUND	125
OMEU58B	Nissan Patrol GQ leaf sprung rear	242	110	14	75	1.5	ROUND	125
OMEU59A	60, 73, 74 series, (and usually with Early and Late model 40, 42, 45 with springs 131 – see Manual)	197	97	14	75	1.5	ROUND	125
OMEU59B	60, 73, 75 series, (and usually with Early model 40, 42, 45 and springs 71 – see Manual)	225	97	14	75	1.5	ROUND	125
OMEU59C	60 series with 11311A/B, 78 & 79 series	240	97	14	75	1.5	ROUND	125
OMEU60	Suzuki Sierra Wide Track with S21A (88 on 1.3 Lt.)	150	81	11	70	1.27	ROUND	75
OMEU61	Suzuki – All front and rear except driver side inner	147	87	10	70	1.25	ROUND	65
OMEU61B	Suzuki – Front when SIAXL and SIBXL fitted	160	87	10	70	1.25	ROUND	65
OMEU62	Suzuki – All front driver side inner	145	73	10	70	1.25	ROUND	65
OMEU63	Nissan Navara rear	190	74	12	50	1.25	SQUARE	105
OMEU64	Nissan Patrol Y61 rear	260	125	14	75	1.5	ROUND	125



# GREASABLE SHACKLES

Model	Description	Front		Rear		Remarks
		Part Number	Contents	Part Number	Contents	
TOYOTA 75 Series	Shackle Kit	OMEGS2	Shackles x 2	OMEGS1	Shackles x 2	Rear: Check fixed end spigot size: 50mm = OMEGP2, 51mm = OMEGP4
	Fixed End Pin	OMEGP1	Pin & Plate x 2	OMEGP2	Pin & Plate x 2	
TOYOTA 70, 73, 74 Series	Shackle Kit	OMEGS2	Shackles x 2	OMEGS2	Shackles x 2	Remove original pin from retainer replace with GSP01
	Fixed End Pin	OMEGP1	Pin & Plate x 2	GSP01	Pin Only x 2	
TOYOTA 60 Series	Shackle Kit	OMEGS2	Shackles x 2	OMEGS1	Shackles x 2	
	Fixed End Pin	OMEGP1	Pin & Plate x 2	OMEGP1	Pin & Plate x 2	
TOYOTA Late Model 40, 42, 45, 47 Series	Shackle Kit	OMEGS2	Shackles x 2	OMEGS1	Shackles x 2	Late models with 35mm eye springs with 18mm shackle pins
	Fixed End Pin	OMEGP1	Pin & Plate x 2	OMEGP1	Pin & Plate x 2	
TOYOTA Early Model 40, 42, 45, 47 Series	Shackle Kit	OMEGS8	Shackles x 2	OMEGS9	Shackles x 2	Early models with 15mm shackle pins
	Fixed End Pin	OMEGP8	Pin & Plate x 2	OMEGP8	Pin & Plate x 2	
TOYOTA HiLux & ISUZU	Shackle Kit	OMEGS4	Shackles x 2	OMEGS3	Shackles x 2	OMEGS3 fits Isuzu 1 tonne rear
HiLux	Fixed End Pin	OMEGP3	Pin & Plate x 2	OMEGP3	Pin & Plate x 2	
NISSAN PATROL GQ 89 on single cab	Shackle Kit	OMEGS2	Shackles x 2	OMEGS1	Shackles x 2	Use only with OME springs
	Fixed End Pin	OMEGP2	Pin & Plate x 2	OMEGP2	Pin & Plate x 2	
TOYOTA 78 & 79 Series	Shackle Kit	–	–	OMEGS10	Shackles x 2	
	Fixed End Pin	–	–	OMEGP7	Pin & Plate x 2	
TOYOTA TACOMA	Shackle Kit	–	–	OMEGS12	Shackles x 2	

SPECIAL NOTE: OMEGS1, OMEGS2, OMEGS3, OMEGS8 and OMEGS9 have built-in anti-inversion design.

# SUSPENSION FITTING KITS

Part No.	Contains	Vehicle	Position	Refer to:
FK01	16 Flat Washers	60 series	Front	Manual Sec. 4 GFI - Front suspension installation
FK03	2 Saddle Correction Plates	Hilux petrol	Front	Manual Sec. 4 GFI - Front suspension installation
FK0411	4 x Retainer Spacers 11mm	60 series	Rear	Manual Sec. 4 GFI
FK0418	4 x Retainer Spacers 18mm	60 series	Rear	Manual Sec. 4 GFI
FK047	4 x Retainer Spacers 7mm	60 series	Rear	Manual Sec. 4 GFI - Rear suspension installation
FK0422	4 x Retainer Spacers 22mm	60 series	Rear	Manual Sec. 4 GFI - Rear suspension installation
FK0429	4 x Retainer Spacers 29mm	60 series	Rear	Manual Sec. 4 GFI - Rear suspension installation
FK06	2 x Stabiliser Bar Packers 3mm	Suzuki	Front	Manual Sec. 4 GFI - Front suspension installation
FK08	2 x Anti-Inversion Plates	60, 75 series. All 40 & 70 series. GQ, Maverick ute & c/c	Front & Rear	Manual Sec. 8 Technical - Shackle modification
FK09	2 x Anti Inversion Plates	All Hilux	Rear	Manual Sec. 8 Technical - Shackle Modification
FK10	2 x Short Gussett Plates 2 x Long Gussett Plates	Hilux All models	Front	Manual Sec. 8 Technical - Hilux Front Springs
FK13	2 x Anti-Inversion Side Plates	All Hilux	Rear	Manual Sec. 4 GFI
FK14	2 x Anti-Inversion Plates	Isuzu 1 Tonne P/Up	Rear	Fitting instructions supplied with kit
FK15	2 x Anti-Inversion Side Plates	1997 on Hilux	Rear	Fitting instructions supplied with kit
FK16	2 x 20mm Bump Stop Spacers	Wrangler TJ	Rear	Fitting instructions supplied with kit
FK17	4 x Reinforcing Plates	Mazda/Ford Late 96 on	Front	Fitting instructions supplied with kit
FK18	2 x Brackets 3 x Bolts 3 x Washers 3 x Nuts	GU Patrol	Rear sway bar	Fitting instructions supplied with kit
FK19	4 x Spacer Plates 4 x 35mm Bolts 4 x Spring Washers	LandCruiser 78 & 79 Models	Front sway bar	Fitting instructions supplied with kit
FK20	6 x Spacer Plates 8 x Bolts M8 x 1.25 x 35mm 8 x Flat Washers	Land Rover Discovery 1999 on Models	Front cross member	Fitting instructions supplied with kit
FK21	1 x Bracket 2 x Bolts M8 2 x Flat Washers 2 x Hex Nuts	Toyota Tacoma	Rear Exhaust Bracket	
FK0411	4 x Retainer Spacers 11mm	60 series	Rear	Manual Sec. 4 GFI
FK0418	4 x Retainer Spacers 18mm	60 series	Rear	Manual Sec. 4 GFI
FKWTJ01/ FKWTJ02	1 x 45mm Panhard Rod Extended Mounting Bracket 2 x Spacer Washers 3 x Bolts M12 X 1.25 X 30MM 6 x Flat Washers 3 x Spring Washers 3 x Nuts M12 X 1.25	Wrangler TJ	Rear	Fitting instructions supplied with kit
GQGK01	4 x Spacer Plates 8 x Hex. Bolts 8 x Flat Washers 8 x Spring Washers	GQ Patrol Maverick	Gearbox Cross Member	Manual Sec. 4 GFI Patrol gearbox spacer kit
JWVGK01	6 x Spacer Plates 6 x Bolt Spacers 6 x 2" Bolts	Jeep Wrangler	Gearbox	Fitting instructions supplied with kit

# LEAF SPRING TRIM SPACERS (Mild Steel 5mm Thick)

PART No.	WIDTH	LENGTH	HOLE DIA.	APPLICATIONS
TP01	70mm	140mm	10.3mm	TOYOTA 60, 75, NISSAN GQ / FORD MAVERICK CAB CHASSIS & NISSAN GQ UTE
TP02	70mm	140mm	8.7mm	TOYOTA 40, 42, 45, 47
TP03	60mm	140mm	10.3mm	NISSAN MQ, MITSUBISHI PAJERO, TRITON, L200
TP04	60mm	140mm	8.7mm	TOYOTA HILUX
TP05	50mm	120mm	8.7mm	SUZUKI SIERRA, HOLDEN DROVER

To be used to correct left to right trim problems. Maximum 2 plates (10mm). Order center bolt separately. Refer Manual for Instructions.

# CLIP LINER KITS FOR LEAF SPRINGS

Kit Part No.	Contents: Clip Liner Size & Quantity	To Suit
CLK11	20MM X 4	OME110, 11, 111, J1F
CLK113A	30MM X 4, 90MM X 2	OME113A, 1131A
CLK113B	30MM X 4, 80MM X 2	OME113B, 1131B
CLK13	40MM X 4	OME13, 131
CLK14	30MM X 4, 60MM X 2	OME14, 141
CLK17	35MM X 4, 70MM X 2	OME17, 171
CLK18	30MM X 4, 90MM X 2	OME18, 181
CLK201	40MM X 4, 80MM X 2	OME201
CLK22	35MM X 4, 40MM X 2	OME22, 222
CLK221	20MM X 4, 40MM X 2	OME221A/B
CLK3	30MM X 4,	OME3A/B, 31A/B, JC1
CLK39	50MM X 4, 80MM X 2	OME39, 391, 3911, 39111
CLK4	40MM X 4	OME4, 41
CLK57	30MM X 4, 35MM X 2	OME57, 571
CLK6	45MM X 4, 95MM X 2	OME6, 61
CLK9	35MM X 2, 30MM X 2	OME91A/B, 99A/B
CLKJ1	25MM X 4	OMEJ1R
CLKJ2	30MM X 4, 80MM X 2	OMEJC2
CLKNN	80MM X 2	OMENN1, NN11
CLKROD	30MM X 4, 70MM X 2	OMEROD1, ROD11

# LEAF SPRING CENTER BOLT SLEEVES

Part No.	Length mm	OD mm	ID mm	Application
CBS01	15	25	15	LandCruiser 60 series rear
CBS02	10	19	16.8	GQ Patrol cab chassis front

# SHOCK ABSORBER SPECIFICATIONS

Part Number	Open Length (mm)	Closed Length (mm)	Type	UPPER MOUNT Bush Kit		Type	LOWER MOUNT Bush Kit	
				OE	REPLACEMENT		OE	REPLACEMENT
N15/N15C	517	327	E4005	110-034-064	OMEB36	E4005	110-034-064	OMEB36
N16	477	352	P4184	SMP374	OMEB42	E4078-T	SMP487	110034078
N17	632	382	E4026-T	SMP488	11003478	E4026-S	110-034-074	N/A
N18	340	225	P4169	SMP474	OMEB13	E4026-S	N/A	OMEB10
N19/N19C	492	292	P4184	SMP345	OMEB42	P4184	SMP345	OMEB42
N21	487	292	P4184	SMP345	OMEB42	P4184	SMP345	OMEB42
N22F	651	396	E4005	SMP363	OMEB36	E4005	SMP363	OMEB40
N23F	492	292	P4184	SMP345	OMEB42	P4184	SMP345	OMEB42
N25	642	377	E4005	110-034-064	OMEB36	P4169	SMP474	OMEB13
N26F	381	245	P4169	SMP474	OMEB13	E4026-S	N/A	OMEB10
N27	560	340	E4005	110-034-063	OMEB36	P4184	SMP374	OMEB42
N28	504	309	P4169	SMP474	OMEB13	E4005	110-034-064	OMEB36
N29/N29C	656	396	E4005	SMP363	OMEB36	E4005	SMP363	OMEB40
N30	618	368	E4001	110-034-065	OMEB14	E4001	110-034-065	OMEB14
N30E	659	389	E4001	110-034-065	OMEB14	E4001	110-034-065	OMEB14
N31S	501	318	N/A	N/A	N/A	N/A	N/A	N/A
N32	500	315	P4169	SMP474	OMEB13	E4026-S	N/A	OMEB10
N33	625	365	P4169	SMP476	OMEB13	E4026-S	110-034-056	OMEB10
N34	509	329	E4001	110-034-065	OMEB14	E4026-S	110-034-056	OMEB10
N35/N35C	568	348	P4169	SMP476	N/A	E4026-T	SMP489	110034078
N36/N36C	562	342	E4026-T	SMP490	11003478	E4026	110-034-056	OMEB10
N37	591	366	E4040	110-110-054	N/A	E4040-B	110-110-054	N/A
N39/N39C	562	342	P4169	SMP476	OMEB13	E4026-T	SMP489	110034078
N40/N40C	556	336	E4003	110-034-076	N/A	E4026-S	110-034-056	OMEB10
N41	499	309	E4001	110-034-065	OMEB14	E4001	110-034-065	OMEB14
N42	594	359	E4001	110-034-065	OMEB14	E4001	110-034-065	OMEB14
N43	485	295	P4169	SMP474	OMEB13	E4001	110-034-065	OMEB14
N44	560	340	E4005	110-034-063	OMEB36	P4184	SMP374	OMEB42
N45F	554	324	P4184	SMP374	OMEB42	P4184	SMP374	OMEB42
N46	560	340	E4005	110-034-063	OMEB36	P4184	SMP374	OMEB42
N47	406	251	P4169	SMP474	OMEB13	P4169	SMP474	OMEB13
N48	560	335	E4001	110-034-065	OMEB14	P4169	SMP474	OMEB13
N49	446	271	P4169	SMP474	OMEB13	P4169	SMP474	OMEB13
N50	584	349	P4169	SMP474	OMEB13	E4005	110-034-064	OMEB36
N51	365	235	P4169	SMP474	OMEB13	E4026-B	110-034-074	N/A
N52/N52F	420	265	P4161	SMP334	OMEB12	E4026-S	N/A	OMEB10
N53/N53C	628	378	E4040-B	110-004-040	N/A	E4026-S	110-034-074	N/A
N54	554	339	E4001	110-034-065	OMEB14	E4001	110-034-065	OMEB14
N55	585	345	P4161	SMP334	OMEB12	E4026-S	N/A	OMEB10
N56	554	339	E4001	110-034-065	OMEB14	E4001	110-034-065	OMEB14
N57G	340	225	P4169	SMP474	OMEB13	E4026-S	N/A	OMEB10
N58	325	215	P4169	SMP474	OMEB13	E4026-S	N/A	OMEB10
N59	559	339	E4001	110-034-065	OMEB14	E4001	110-034-065	OMEB14
N60G	340	225	P4169	SMP474	OMEB13	E4026-T	SMP489	110034078

continued>>>

Note: Bush kits with part numbers starting with SMP indicate the kits have the urethane bush, mounting nut & washers.

See page 49 for legend of mount types.



# SHOCK ABSORBER SPECIFICATIONS

Part Number	Open Length (mm)	Closed Length (mm)	Type	UPPER MOUNT Bush Kit		Type	LOWER MOUNT Bush Kit	
				OE	REPLACEMENT		OE	REPLACEMENT
N61/N61C	607	367	E4005-S	SMP395	OMEB17	E4026-S	110-034-056	OMEB10
N62G	507	317	E4001	110-034-065	OMEB14	E4005-S	110-034-072	OMEB17
N63G	478	299	P4169	SMP474	OMEB13	E4005-S	110-034-072	OMEB17
N64/N64C	478	299	P4169	SMP474	OMEB13	E4005-S	110-034-072	OMEB17
N65	385	245	P4169	SMP474	OMEB13	E4026-S	N/A	OMEB10
N66/N66C	568	335	P4169	SMP476	N/A	E4026-T	SMP489	110034078
N67	562	339	E4026-T	SMP490	110034078	E4026-S	110-034-056	OMEB10
N68	634	387	E4005	110-034-064	OMEB15	E4005	110-034-064	OMEB15
N68E	660	394	E4005	110-034-064	OMEB15	E4005	110-034-064	OMEB15
N69	470	290	E4005	110-034-064	OMEB36	P4184	SMP374	OMEB42
N70	614	354	P4184	SMP501	OMEB42	P4184	SMP501	OMEB42
N71E	620	370	P4184	SMP501	OMEB42	E4005	110-034-064	OMEB36
N72F	548	329	P4169	SMP474	OMEB13	E4005	110-034-064	OMEB36
N73	614	354	P4184	SMP501	OMEB42	P4184	SMP501	OMEB42
N73L	667	387	P4184	SMP501	OMEB42	P4184	SMP501	OMEB42
N74E	620	370	P4184	SMP501	OMEB42	E4005	110-034-064	OMEB36
N74L	667	387	P4184	SMP501	OMEB42	E4005	110-034-064	OMEB36
N75	640	390	E4005	110-034-064	OMEB15	E4005	110-034-064	OMEB15
N75E/N75F	652	397	E4005	110-034-064	OMEB15	E4005	110-034-064	OMEB15
N76	685	408	E4005	110-034-064	OMEB15	E4005	110-034-064	OMEB15
N77	570	340	E4032-B	110-110-041	N/A	P4169	SMP474	OMEB13
N78	447	287	E4005	110-034-064	OMEB15	E4005	110-034-064	OMEB15
N79	507	307	E4005	110-034-064	OMEB36	P4169	SMP474	OMEB13
N80	352	232	P4169	SMP474	OMEB13	E4005-S	110-034-072	OMEB17
N81	499	309	E4001	110-034-065	OMEB14	E4001	110-034-065	OMEB14
N83	345	225	P4169	SMP474	OMEB13	E4026-S	SMP381	OMEB10
N84	485	295	P4169	SMP474	OMEB13	E4026-S	N/A	OMEB10
N85	587	357	E4005	110-034-064	OMEB15	E4005	110-034-064	OMEB15
N86/N86C	539	329	P4169	SMP474	OMEB13	E4005	110-034-064	OMEB15
N87	352	232	P4169	SMP474	OMEB13	E4005	110-034-072	OMEB17
N88	589	349	P4169	SMP474	OMEB13	E4005	110-034-064	OMEB36
N89	594	359	E4001	110-034-065	OMEB14	E4001	110-034-065	OMEB14
N90	582	357	E4005	110-034-064	OMEB15	E4005	110-034-064	OMEB15
N91S	470	335	P-	SMP415	N/A	E4050-B	110-110-060	110-110-060
N91SC	470	335	P-	SMP415	N/A	E4050-B	110-110-060	110-110-060
N92	589	349	P4169	SMP474	OMEB13	E4005	110-034-064	OMEB36
N93	485	295	P4169	SMP474	OMEB13	E4026	110-034-056	OMEB10
N94	587	357	E4005	110-034-064	OMEB15	E4005	110-034-064	OMEB15
N95	599	359	E4001	110-034-065	OMEB14	E4001	110-034-065	OMEB14
N96	431	261	P4169	SMP474	OMEB13	P4169	SMP474	OMEB13
N97	545	325	E4001	110-034-065	OMEB14	P4169	SMP474	OMEB13
N98	389	249	P4169	SMP474	OMEB13	E4005	110-034-072	OMEB17
N100	440	290	P4203	SMP493	N/A	E4050-B	110-110-060	N/A
N101/N101C	610	360	P4204	SMP493	N/A	E4005	110-034-063	OMEB36
N102	482	302	P4169	SMP474	OMEB13	E4050-B	110-110-060	N/A
N103S	501	318	P-	N/A	N/A	N/A	N/A	N/A

Note: Bush kits with part numbers starting with SMP indicate the kits have the urethane bush, mounting nut & washers.

continued>>>

See page 49 for legend of mount types.

# SHOCK ABSORBER SPECIFICATIONS

Part Number	Open Length (mm)	Closed Length (mm)	Type	UPPER MOUNT Bush Kit		Type	LOWER MOUNT Bush Kit	
				OE	REPLACEMENT		OE	REPLACEMENT
N104/N104C	641	391	E4040	110-110-054	N/A	E4055-B	110-110-069	N/A
N105	508	318	P4169	SMP474	OMEB13	E4026-S	110-004-026	OMEB10
N106/N106C	537	317	P4184	SMP501	OMEB42	P4184	SMP501	OMEB42
N107/N107C	608	373	E4055-B	110-110-066	N/A	E4055-T	110-110-067	N/A
N108	593	363	E4055-B	110-110-066	N/A	E4055-B	110-110-066	N/A
N109S	472	327	N/A	Use OE Bushes	N/A	N/A	SMP512	N/A
N110	575	350	P4158	SMP316	N/A	E4040-B	SMP513	N/A
N111	548	328	P4170	SMP312	N/A	E4026	SMP487	N/A
N112	449	279	P4169	SMP474	OMEB13	E4005	110-034-064	OMEB15
N113	537	337	E4005	110-034-064	OMEB15	E4005	110-034-064	OMEB15
N114	475	285	P4184	SMP345	OMEB42	P4184	SMP345	OMEB42
N115	554	324	P4184	SMP374	OMEB42	P4184	SMP374	OMEB42
N116	527	327	E4001	110-034-065	OMEB14	E4005-S	110-034-072	OMEB17
N117	578	358	E4040-S	110-110-072	N/A	E4026-S	110-034-056	OMEB10
N118	532	322	E4005	110-034-080	OMEB11	P4169	SMP474	OMEB13
N119S								
NC120								
N121S								
NC122								
N123S								
N124S								
OME007	600	359	E4003	110-034-003	N/A	E4003	110-034-003	N/A
OME013	473	292	E4001	110-034-065	OMEB14	E4001	110-034-065	OMEB14
OME014	495	305	E4001	110-034-065	OMEB14	E4001	110-034-065	OMEB14
OME015	415	256	P4175	SMP333	OMEB13	E4001	110-034-065	OMEB14
OME018	585	359	E4003	110-034-003	N/A	E4003	110-034-003	N/A
OME023	429	270	E4001	110-034-065	OMEB14	E4001	110-034-065	OMEB14
OME025	415	256	P4175	SMP333	OMEB13	E4001	110-034-065	OMEB14
OME027	497	297	P4175	SMP333	OMEB13	E4001	110-034-065	OMEB14
OME028	450	281	P4169	SMP474	OMEB13	E4028-S	110-110-009	N/A
OME029	502	314	E4028-S	110-110-009	N/A	E4028-S	110-110-009	N/A
OME030	470	302	E4028-S	110-110-009	N/A	E4028-S	110-110-009	N/A
OME031								
OME032								

Note: Bush kits with part numbers starting with SMP indicate the kits have the urethane bush, mounting nut & washers.

See page 49 for legend of mount types.

# SHOCK ABSORBER MOUNT TYPE

Mount Type Pin Part No.	Dimensions (mm) Thread Length x Dia	OME Replacement Part No.
P4161	62 x M10 x 1.5	OMEB13
P4169	53 x M10 x 1.25	OMEB13
P4170	73 x M10 x 1.5	OMEB13
P4175	58 x M10 x 1.5	OMEB13
P4184	71 x M12 x 1.25	OMEB42
P4203	85 x M14 x 1.5	Use original
P4204	77 x M14 x 1.5	Use original

Mount Type Eye Part No.	Dimensions (mm) OD x ID x L	Mounting Kit Replacement Part No.
E4001	37 x 25.3x 24.3	OMEB14
E4003	42.6 x 37.7 x 19.5	Not available
E4005	44.2 x 31.7 x 30	OMEB36 *OMEB40
E4026	37 x 27 x 25	OMEB10
E4028	38.4 x 25.1 x 23	Not available
E4032	46.7 x 36.6 x 33	Not available
E4040	46 x 37 x 30	Not available
E4050	45 x 39 x 35	Not available
E4055	50 x 40.2 x 34	Not available

T- CROSS PIN  
MOUNTING

B-BONDED BUSH

S-BUSH WITH SLEEVE

\*Special Bush for N22F,  
N29/N29C Lower Rear Mount

# LEAF SPRING SPECIFICATIONS

OME Part No.	Stack Height (mm)	No. of Leaves	Eye Dia. mm		Weight (kg)	Primary Free Camber mm
			Front	Rear		
OME11	36	6	35	35	17.7	196
OME110	30	5	35	35	15.5	200
OME111	42	7	35	35	21.5	196
OME113A	58	6+2	35	35	31.6	250
OME113B	58	6+2	35	35	31.6	230
OME1131A	64	7+2	35	35	36.0	250
OME1131B	64	7+2	35	35	36.0	230
OME13	48	8	35	35	23.0	165
OME131	54	9	35	35	27.0	165
OME14	43	5+1	35	35	21.5	225
OME141	49	6+1	35	35	25.6	225
OME15A	52	5+2	40.5	30	26.7	222
OME15B	52	5+2	40.5	30	26.7	209
OME17	48	4+2	30	30	20.0	230
OME171	54.5	5+2	30	30	24.2	230
OME1711	61	6+2	30	30	28.0	230
OME18	52.5	3+3	39	30	27.3	235
OME180	52.5	3+3	39	30	25	215
OME181	59	4+3	39.5	30	30.6	235
OME19	29	3+1	31.5	27.5	16.4	211
OME191	35	4+1	31.5	27.5	16.4	211
OME201	81	6+3	35	35	45.4	235
OME22	41	5+1	31.5	27.5	22.0	195
OME221A	48	8	35	35	25.5	250
OME221B	48	8	35	35	25.5	230
OME222	58	6+2	31.5	27.5	29.5	195
OME26	59	4+3	32.7	32.7	26.3	164
OME261	65.5	5+3	32.7	32.7	30.1	164
OME36	45	4+1	46.8	31.0	28.0	210
OME39	75	6+3	40	40	39.8	240
OME391	82	7+3	40	40	46.8	240
OME3911	89	8+3	40	40	52.2	240
OME39111	96	9+3	40	40	59.5	240
OME3A	43	7	32.5	32.5	18.9	215
OME3B	43	7	32.5	32.5	18.9	200
OME31A	49	8	32.5	32.5	22.3	215
OME31B	49	8	32.5	32.5	22.3	200
OME4	56	8	32.5	32.5	26.8	275
OME41	63	9	32.5	32.5	30.2	275
OME49	60	4+2	40	40	41.0	268
OME491	68	5+2	40	40	47.9	268
OME492	68	5+2	40	40	47.9	268
OME493	76	6+2	40	40	51.5	268
OME57	44	7	35	35	21.0	230
OME571	50	8	35	35	25.0	230

continued>>>

# LEAF SPRING SPECIFICATIONS

OME Part No.	Stack Height (mm)	No. of Leaves	Eye Dia. mm		Weight (kg)	Primary Free Camber mm
			Front	Rear		
OME6A	68	5+3	40	40	39.4	250
OME6B	68	5+3	40	40	39.4	235
OME61A	75	6+3	40	40	45.1	250
OME61B	75	6+3	40	40	45.1	235
OME611A	82	7+3	40	40	50.8	250
OME611B	82	7+3	40	40	50.8	235
OME67	43	7	35	35	21.6	220
OME671	49	8	35	35	25.5	220
OME91A	39	6	30	30	18.4	170
OME91B	39	6	30	30	18.4	150
OME99A	32.5	5	30	30	14.8	170
OME99B	32.5	5	30	30	14.8	150
OMEJ1F	26	4	31.4	37.6	11.0	210
OMEJ1R	32.5	5	37.6	31.4	13.7	205
OMEJ2R	32.5	5	37	31	13.8	185
OMEJC1A	32.5	5	62	43.5	18.2	230
OMEJC1B	32.5	5	62	43.5	18.2	205
OMEJC2A	37	4+1	62	43.5	20.9	235
OMEJC2B	37	4+1	62	43.5	20.9	210
OMENN1	52.5	3+3	40	32.5	22.1	170
OMENN11	59	4+3	40	32.5	25.5	170
OMEROD1	41.5	3+2	39	30	18.7	250
OMEROD11	48	4+2	39	30	22.5	250
OMEROD111	60.5	4+3	39	30	25.4	250
OMES1A	24.4	4	30	40	8.1	125
OMES1B	24.4	4	30	40	8.1	110
OMES2	36	3+2	40	30	9.8	175
OMES21	42	4+2	40	30	12.3	175

Free Camber is measured from top of eye (not centre line) to main leaf at centre bolt. Allow 3mm tolerance either side.

# COIL SPRING SPECIFICATIONS

Spring Number	Bar Dia. mm	Free Height mm		Number Of Coils	Coil Weight Kg
		D/S	P/S		
OME751	16	390	380	8	7.0
OME752	17	440	440	9	6.7
OME754	21	435	435	8	10.9
OME755	19	435	435	8	9.0
OME760	16	385	375	10.25	6.8
OME761	16	400	390	9.1	6.1
OME762	18	420	410	9.5	8.2
OME763	19	420	410	9.2	7.9
OME764	17	430	420	9.75	7.3
OME766	17	420	420	9	6.5
OME776	15	410	390	8.8	5.2
OME777	15	395	375	8	4.8
OME779	15	410	390	8	4.8
OME781	18	425	415	9.2	7.9
OME791	16	280	280	7.25	4.0
OME792	14	435	435	9.3	4.0
OME850	17	495	505	9.8	7.3
OME850J	17	515	525	9.8	7.3
OME851	17	475	485	9.8	7.3
OME856	16	465	465	11	6.3
OME859	16	480	480	11	6.3
OME860	18	480	490	8.3	8.1
OME861	16	480	490	10.4	7.0
OME862	17	460	470	9	8.0
OME863	19	480	490	8.3	9.2
OME863J	19	505	515	8.3	9.2
OME864	20	480	490	8.3	10.3
OME865	18	460	460	8.3	8.3
OME866	18	465	465	9	9.8
OME867	17	460	460	11.2	7.3
OME870	14	370	355	8.5	3.7
OME871	16	410	400	7.25	5.1
OME872	14	400	400	9	4.0
OME873	17	455	455	10	8.5
OME874	15	408	408	9	4.5
OME875	18	440	440	10	8.7
OME876	14	390	375	8.5	3.7
OME880	16	365	365	10.2	4.7
OME881	16	375	375	10.2	4.7
OME882	16	395	395	10.2	4.7
OME890	15	435	425	10.2	5.7
OME891	16	420	410	10	6.4
OME892	18	400	390	10	8.1
OME900	16	405	395	7.75	5.8
OME901	17	395	385	7.5	6.3
OME910	17	400	390	7.5	7.0
OME911	16	400	390	7.5	7.0
OME912	15	420	420	10.8	5.6
OME913	15	390	390	9.3	4.8
OME914	18	330	330	8.2	5.0
OME915	18	340	340	8.2	5.5
OME917	21	350	340	7.25	8.6
OME918	22	330	320	7.25	9.5
OME919	15	430	430	10.8	5.7

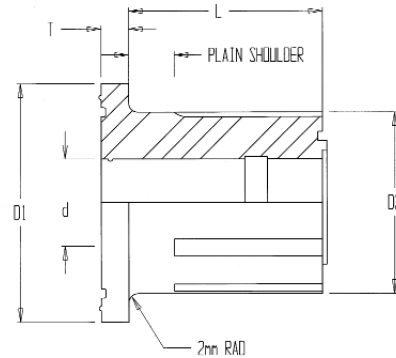
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# COIL SPRING SPECIFICATIONS

Spring Number	Bar Dia. mm	Free Height mm		Number Of Coils	Coil Weight Kg
		D/S	P/S		
OME920	14	430	430	8	3.6
OME921	16	385	385	6.8	5.3
OME922	15	360	360	7.5	4.7
OME923	16	395	395	6.8	5.3
OME929	16	420	420	10.8	6.6
OME930	14	475	465	9.8	3.9
OME931	14	510	500	11.9	5.1
OME932	14	480	470	11.2	4.8
OME933	14	495	485	11.2	4.8
OME934	14	510	500	10	4.0
OME935	14	420	410	9.8	4.1
OME936	15	445	435	10	4.9
OME937	15	400	400	7.25	4.3
OME938	18	400	390	7.5	7.7
OME940	14	380	370	8.6	3.8
OME941	15	390	375	7.2	4.4
OME942	16	380	365	7.4	5.2
OME943	15	370	360	8.6	4.4
OME944	15	395	385	8	4.5
OME945	16	350	340	7.5	4.7
OME950	16	300	300	8.5	4.1
OME951	15	290	290	8.5	3.6
OME952	12	345	345	11	2.5
OME953	16	285	285	8.5	4.3
OME954	13	335	335	11	2.5
OME955	13	350	350	10	3.1
OME959	16	310	310	8.5	4.1
OME960	15	300	300	8.5	3.7
OME961	13	340	340	10	3.0
OME962	16	320	320	8.5	4.1
OME963	11.5	350	350	10	2.4
OME965	11.5	365	365	10	2.4
OME966	12	325	305	9	2.4
OME970	18	400	385	8	6.9
OME971	18	410	395	8	6.9
OME972	17	400	385	8	6.2
OME973	17	415	400	8	6.2
OME974	17	385	370	8	6.2
OME975	17	425	410	9	7.0
OME976	17	440	425	9	7.0
OME980	19	490	470	9	10.1
OME981	20	490	470	9	11.2
OME982	19	470	450	9	10.1
OME983	20	485	455	9	11.0
OME984	21	485	455	9	12.3
OME985	22	480	460	8.1	12.5
OMEGQ01BM	17	415	400	8	6.3
OMEGQ01D	17	400	385	8	6.3
OMEGQ01DM	17	385	370	8	6.3
OMEGQ02AM	18	510	495	9	8.9
OMEGQ02C	18	480	465	9	8.9
OMEGQ02CM	17	485	470	8.9	7.9
OMEGQ02G	19	475	460	9	10.0
OMEGQ02J	20	480	465	9	11.2
OMEGQ02LP	19	475	445	9	10.0

# OLD MAN EMU































## POLYURETHANE SPRING BUSHING DIMENSIONS



Dimensions						
Part No.	D1	D2	d	T	L	N
PT229	32.0	24.9	15.0	4.5	35.0	9
PT230	32.0	24.9	15.0	3.0	35.0	9
PT231	36.0	30.0	18.0	3.6	30.0	9
PT231A	38.0	30.0	18.0	4.0	35.0	9
PT240	36.0	30.0	18.0	4.0	48.0	9
PT260	45.0	35.0	18.0	5.5	35.0	11
PT261	45.0	35.0	15.0	4.0	35.0	9
PT270	50.0	40.0	18.0	5.4	35.0	13
PT280	44.0	32.7	18.0	5.2	43.0	11
PT281	44.0	32.7	18.0	4.5	30.0	11
PT282	52.0	40.0	18.0	4.4	30.0	13
PT283	44.0	32.7	18.0	5.8	28.5	13
PT284	32.7	None	16.0	-	57.5	0
PT285	32.7	None	22.0	-	60.0	0
PT290	45.0	31.5	18.0	4.4	35.0	11
PT291	40.0	28.0	16.0	5.0	44.0	9
PT292	40.0	27.5	16.0	4.2	34.0	9
PT293	45.0	31.5	14.0	4.4	34.0	11
PT301	50.0	40.0	16.0	6.9	25.0	13
PT302	40.0	30.0	13.0	4.4	25.0	9
PT303	40.0	29.5	13.0	4.4	24.5	-
PT304	52.0	40.0	19.0	4.0	30.0	9
PT305	43.0	31.5	19.0	5.5	35.0	0
PT306	44.0	31.4	18.1	6.0	30.0	9
PT307	50.0	37.6	18.1	6.0	30.0	-
PT308	46.0	35.0	18.1	4.0	35.0	9
PT309	40.0	30.0	18.0	4.0	40.5	-
PT310	42.0	32.6	20.1	4.0	30.0	0
PT311	52.0	40.0	22.2	4.5	30.0	9
PT312	43.0	31.5	19.0	4.8	35.0	0
PT313	40.0	28.0	16.0	5.0	45.0	0
PT314	44.0	32.0	18.0	4.5	40.0	0
PT315	40.0	32.7	22.2	4.0	30.0	9
PT316	43	31.5	22.2	5.0	35	0
PT317	52.0	39.8	18	6.0	43.5	9
PT318	52.0	39.8	20.0	8.0	35.5	9
PT319	52.0	40.0	18.0	8.0	35.5	9
PT320	44.0	31.8	18.0	6.5	31.5	9
PT321	44.0	31.8	18.0	4.3	32.7	9
PT322	40.0	32.0	18.0	4.0	45.5	9
PT323	40.0	30.0	18.0	4.5	35.5	9



# STEERING DAMPER SPECIFICATIONS

Part Number	Open Length (mm)	Closed Length (mm)	Mount 1	OME Bush Kit	Mount 2	OME Bush Kit
OMESD01	543	332		not available		not available
OMESD11	520	310		OMEB78		OMEB78
OMESD16	535	320		OMEB78		OMEB78
OMESD17	609	359	TBA	TBA	TBA	TBA
OMESD21	550	345		OMEB78		not available
OMESD22	540	335		OMEB14		OMEB14
OMESD23	460	325		not applicable		not applicable
OMESD24	660	420		not applicable		not applicable
OMESD30	450	290		OMEB10&B32		OMEB10&B32
OMESD31	579	392		OMEB10&B32		OMEB10&B32
OMESD32	670	440		OMEB78		not available
OMESD33	620	395		not applicable		not available
OMESD34	575	355		OMEB10&B32		OMEB10
OMESD35	496	303		not applicable		
OMESD36	490	295		OMEB78		OMEB78
OMESD40	501	308		not available		not available

 Pin - 10 x 60mm

 Small eye

 Tapered locking stud

 Small eye / Bush & sleeve

 Small eye / Bush & sleeve (unique to steering stabiliser)

# INSTALLATION

## Part 1: SUSPENSION COMPONENT PRE FITMENT CHECKLIST

Prior to removing standard suspension the vehicle must be driven to detect any inherent problems, i.e. drive line vibration, steering wheel wobble, driveline or wheel bearing noises, etc. At the same time a compulsory brake performance test must be carried out using an approved brake test unit in current calibration. Should the vehicle fail the braking test investigate and identify the cause.

Complete vehicle inspection by checking for any repairs or damage to suspension mounting points, study standard suspension measurement for signs that vehicle chassis may be twisted. Consult with customer before proceeding to clarify any additional cost for parts and or labor.

Remove standard suspension and carry out the following procedures.

### **U BOLTS:**

Check if standard U bolts will fit new springs by checking OME application catalog under individual vehicle suspension selection (NB: Toyota Pickup & 4 Runner front – OME U52 mandatory fitment requirement).

If replacement U bolt is not shown ensure the standard U bolts have:

- (a) No damage to the U bolt, nut and thread,
- (b) Minimum of 2 threads protruding from nut when torqued to manufacturer's specifications

Should any of the above be in doubt replace with correct, new OME U bolts.

### **SHACKLES:**

- Check for undue wear or damage. If pins are pitted, worn or damaged replace with new pins/shackles

- Ensure pins are secure in side plates
- Thoroughly clean pins/shackles before reinstallation
- Grease pins with appropriate grease

### **SPRING BUSHINGS:**

Only genuine OME polyurethane bushings are recommended fitment with OME long travel springs. Rubber bushings can be used, however, due to the increased torsional twist placed on bushings (because of increased suspension travel), experience has shown that rubber bushings may twist the head away from the bushing body. Customers should be advised of this problem.

### **SHOCK ABSORBER BUSHING INSPECTION:**

If any signs of wear, splitting or bushing distortion are evident, replace with new OME polyurethane bushings.

### **SUSPENSION MOUNTING POINTS:**

All suspension mounting points (eg. shock absorber towers, panhard rod bushings, chassis mounting points, coil spring mounting seats, etc.) must be carefully checked and inspected for any signs of excessive wear, rust, damage or fatigue cracking, and if found be repaired or replaced.

### **BUMP STOPS:**

Bump stops are an important component in the suspension design, controlling suspension compression limits. Therefore, if bump stops have been removed, modified or damaged they must be replaced or restored to manufacturer's specifications.

### **IMPORTANT NOTE:**

Failure to do this can void the OME warranty.

## Part 2: INSTALLATION OF OME SUSPENSION

### **LEAF SPRINGS:**

- Military wrap end of spring is installed to fixed pin chassis mount point.
- Non military wrap spring has a painted yellow mark on the end of the spring to be installed in the fixed pin chassis mount point."

### **SPRING BUSHINGS:**

OME SPLINED POLYURETHANE BUSHINGS:  
Install bushing into spring eye and chassis mount ensuring shackle pin slides freely. Remove shackle pin, liberally grease the bushing bore and outer flange with Molybdenum based grease.

IMPORTANT: DO NOT GREASE BETWEEN BUSHING AND SPRING EYE.

Install shackle insuring free movement between shackle and spring bushing – this is to ensure the shackle will not seize to the spring bushing under heavy usage which can result in spring failure due to bushing 'bonding' to shackle pin.

### **POLYURETHANE BUSHING MAINTENANCE:**

The polyurethane bushing principle requires the shackle pin to rotate in the bushing which therefore requires regular lubrication. Greasing intervals depend on vehicle

continued>>>

# INSTALLATION

operational conditions. Heavy usage (eg. sand, water, constant corrugations and heavy loads) require more servicing. An obvious sign greasing is urgently required is when the bushing squeaks.

## **RUBBER BUSHINGS:**

Once the bushings have been placed into the spring, install the shackles and fixed pins finger tight only. When suspension installation has been completed, lower vehicle onto the ground and bounce the vehicle 3 to 4 times. This is done to ensure the bushings don't bind up on the shackle pins at an incorrect position. Only then should all shackle and fixed end pins be fully tightened.

## **COIL SPRINGS:**

Coils may vary in free height due to uneven vehicle weight distribution. Although these coils are marked D/S for Driver's Side and P/S for Passenger's Side, these designations apply to Right Hand Drive vehicles and may require opposite fitment to left hand drive vehicles. As a general rule, the taller OME coil should be installed on the same side of the vehicle as the taller OE coil.

Fitment:

- When lowering differential housing to fit springs do not stretch brake hoses. It may be necessary to remove the brake hose clip.
- Check correct D/S and P/S coil location.
- Check progressive rate coils are fitted with progression to the top (closer spaced coils to top).
- Ensure coil pigtail is correctly seated and positioned in coil mounting plate.
- Once shock absorbers have been fitted ensure coils remain fully captive on full suspension droop – this is a

vital safety check against the possibility of coil dislodgement in actual operation.

Note: Should coils not remain captive, contact OME head office immediately – DO NOT CONTINUE WITH SUSPENSION FITMENT.

## **POLYURETHANE TRIM SPACERS:**

Do not use OME trim spacers as a replacement for OE spring isolators. In all cases, OME trim spacers must be installed on top of the coil between coil isolator and top coil mounting seat.

## **SHOCK ABSORBERS:**

**PIN TYPE SHOCK ABSORBER MOUNT:**

10mm Diameter Pin: Tighten nut until \_ bushing crush is achieved, be careful not to over crush bushing.

14mm Diameter Pin: Tighten nut until bottom of nut contacts pin shoulder. In all cases ensure the concave bushing retaining washers are installed with both concave surfaces facing each other.

**EYE TOP SHOCK ABSORBER MOUNT:**

Bush retaining washers must be fitted with concave surfaces facing AWAY from each other. Ensure bushings are located correctly in shock absorber eye and on mounting pin. Tighten nut until bottom of nut contacts pin shoulder.

**IMPORTANT NOTE:**

Correct fitment of shock absorber bushing retaining washers must happen to prevent premature bushing failure due to poor bushing containment. In a number of vehicles the shock absorber is the limiting factor for suspension droop. These vehicles require shock absorber fitment to be carried out with the vehicle on the ground.

## **Part 3: FINAL SUSPENSION CHECK BEFORE DELIVERY**

Prior to road testing visually check vehicle for any obvious problems (eg. inverted shackles, etc.) and correct problems before road testing. A front end alignment check must be carried out and any required adjustments made, to ensure vehicle is within the manufacturer's specifications.

Road test vehicle at least 1 mile, paying particular attention to:

- Brake performance
- Steering response
- Ride quality
- Vibrations
- Handling behavior
- Steering wheel recentering

Return vehicle to level ground, carry out following checks:

- **SHACKLE ANGLES:** Ensuring at least 5 degrees forward angle on both front and rear shackles.
- **TRIM:** Ensure vehicle is at least within 10mm trim tolerance.
- **RAKE:** This should be checked against estimated ride height figures shown in current OME application catalog.
- **FRONT END ALIGNMENT:** A front end alignment check must be carried out ensuring vehicle specifications are within the manufacturer's recommendation.
- **HEADLIGHT ALIGNMENT:** Check and correct if required. However, should any problems arise during final suspension check, corrective measures must be carried out to rectify these problems, (see OME Fitting Manual Section 5: Problem Solving).

continued>>>

# INSTALLATION

## Part 3: TECHNICAL

### **INTERLEAF LINERS - GREASING:**

Raise vehicle to take load off spring pack to allow grease to flow between leaves.

Check that the leaves are still moving relatively freely. They can be regreased, and the interleaf liners (where fitted) can be drilled and greased if necessary.

1. Ensure hole in center of liner is clear. Most have a thin membrane covering the hole. Clear the hole if necessary.
2. Insert a straight grease nipple into grease gun nozzle.
3. Press gun with nipple into liner hole. Pump until grease is squeezing out at sides of liner.

### **EXTRA LEAF - ADDING A LEAF:**

1. Unfold all clips and/or remove nut, bolt and spacer from bolt type clips. When unfolding clips be careful not to score the surface of the main leaf. Note: If spring is already fitted with a trim spacer and a new center bolt is not available, a few end thread of the existing center bolt will have to be cleaned so damage to nut is minimal when it is removed. This will allow the use of the same center bolt.
2. Hold the center bolt head in a vice and clamp spring leaves together with a suitable C clamp as close as possible to the center bolt. Remove center bolt nut.
3. Release the C clamp and dismantle the spring.
4. Clean all leaves to remove road dirt and grease. Particular attention should be given to both leaf faces where leaves contact each other and on the liners at the leaf ends.
5. Grease all liners and contacting surfaces with Molybdenum based grease or graphite impregnated grease.
6. If spring was originally supplied with a spacer, do not use this spacer when assembling the spring with the extra leaf.
7. With head of center bolt in a vice, assemble spring together with added leaf. Ensure that leaves are oriented correctly as most springs are not symmetrical and have a long end and a short end. Tighten center bolt and lightly peen the end threads to prevent loss of nut should it loosen.

8. If clips are fold type clips, clamp spring in vice across clip and bend legs over. Ensure the ends do not touch surface of main leaf.
9. If clips are bolt type, assemble clips with spacers and tighten nuts. Do not overtighten. If spacer buckles, nut is too tight.

### **EXTRA LEAF - REMOVING A LEAF:**

1. Unfold all clips and/or remove nut, bolt and spacer from bolt type clips. When unfolding clips be careful not to score the surface of the main leaf. Note: If spring is already fitted with a trim spacer and a new center bolt is not available, a few end threads of the existing center bolt will have to be cleaned so damage to nut is minimal when it is removed. This will allow the use of the same center bolt.
2. Hold the center bolt head in a vice and clamp spring leaves together with a suitable C clamp as close as possible to the center bolt. Remove center bolt nut.
3. Release the C clamp- and dismantle the spring.
4. Put aside the leaf to be removed and clean all remaining leaves to remove road dirt and grease. Particular attention should be given to both leaf faces where leaves contact each other and on the liners at the leaf ends.
5. Grease all liners and contacting surfaces with Molybdenum based grease or graphite impregnated grease.
6. Clamp head of center bolt in a vice.
7. To ensure the same spring pack height, a trim spacer of the same thickness as the leaf removed is to be used. The packer is to be fitted adjacent to the shortest spring leaf.
8. Assemble spring ensuring that leaves are oriented correctly, as most springs are not symmetrical and have a long end and a short end.
9. Tighten center bolt and slightly peen the end threads to prevent loss of nut should it loosen.
10. If clips are fold type clips, refold clips, ensuring that ends of clip do not touch surface of main leaf.
11. If clips are bolt type, assemble clips with spacers and tighten nuts. Do not over tighten. If spacer buckles, nut is too tight.

# RECOMMENDED FITTING TIMES

<b>COIL SPRING SYSTEMS</b>	
All Coil Spring Models (Except Land Rovers) Fitment of 4 Nitrochargers & 4 OME coil springs	2.5 hours
Land Rover All Coil Spring Models Fitment of all the above plus additional time to remove front shock absorber towers	3.0 hours
Torsion Bar Front with Rear Coil Suspension Fitment of 4 Nitrochargers, 2 OME coil springs & front torsion bar adjustment	2.0 hours
Coil Front with Rear Leaf Suspension Fitment of 4 Nitrochargers, 2 OME coil springs & 2 OME leaf springs	3.5 hours
Coil Over Front Strut with Rear Coil Suspension Fitment of 2 Nitrochargers, 2 OME struts & 4 OME coil springs	3.0 hours

<b>LEAF SPRING SYSTEMS</b>	
All Leaf Spring Models (Except HiLux) Fitment of 4 Nitrochargers, 4 OME leaf springs, and U bolts and spring bushes as required.	5.0 hours
Toyota HiLux All Leaf Spring Models Fitment of all the above plus additional work required to strengthen front spring seat mount	6.0 hours
Front Torsion Bar with Rear Leaf Spring Models Fitment of 4 Nitrochargers, 2 OME rear leaf springs, U bolts, spring bushes and front torsion bar adjustment	3.0 hours

## OTHER ITEMS, FITTING TIMES OR COSTS

Caster kits	2.0 hours
Steering stabilisers	0.5 hours
Greasable shackles (complete vehicle set)	2.0 hours

<b>Front end wheel alignment adjustment:</b>	<b>Price</b>
Live axle front end	\$45.00
Independent front end	\$66.00

The above fitting times are only a guide, and additional time may be involved due to vehicle modifications or preexisting accessories which can interfere with the fitment of the suspension.



# FEATURES OF THE OLD MAN EMU 4X4 SUSPENSION

## NITROCHARGER SHOCK ABSORBERS

**GIANT 18MM CHROMED SHAFT** - Indestructible for Australia's rugged off roading. Induction hardened then hard chromed to a superfine finish.

**NITROGEN GAS** - The gas pressure keeps the oil cohesive under all situations.

**TWIN TUBE DESIGN** - New 33% thicker outer tube insures that rocks do not damage internal operating components. This design also allows for a greater volume of oil which keeps shock cooler.

**35MM SEVEN STAGE COMPRESSION VALVE** -

Delivers all the subtleties of compression rates for the best ride and handling.

**CHECK VALVE SEAL** - The latest in seal technology, this shaft seal significantly improves gas retention whilst offering excellent longevity.

**GLACIER BUSH** - A Teflon coated rod guide bush - significantly reduces heat build up in the rod guide area, developed from the Emu's off road racing program.

**GIANT 35MM TEFLON BANDED PISTON** - A new four stage coil sprung rebound valve system to control vehicle bounce.

**SUPPLEMENTARY WELDS** - On all mounting eyes & pins for maximum shock absorber mount strength.

**STONEGUARD** - Protects oil seal and piston rod against stone and dirt damage.

**WARRANTY** - Backed by our Australia wide, 2 year/25,000 mile no compromise warranty.

## STEERING DAMPERS

**COIL SPRUNG 9 STAGE VALVING** - For optimum performance

**35MM PISTON & BORE** - Greater oil volume giving better damper performance.

**TWIN TUBE DESIGN** - Protects the internal components against stone damage.

**STEEL STONEGUARD** - Protects the piston rod against stone damage.

**FOAM CELL** - Keeps the oil at the valving to prevent fade.

**ORIGINAL MOUNTS** - All mounts are of similar design to original dampers for ease of fitment.

## COIL SPRINGS

**SHOT PEENED** - To reduce stress, which greatly enhances spring life.

**DOUBLE SCRAGGED** - To eliminate spring sag.

**VARIABLE & CONSTANT RATE** - Designs used to obtain optimum ride comfort and load carrying capabilities.

## LEAF SPRING

**FLAT AXLE SEAT AREA** - Lowers spring stress while retaining spring free camber height. Unique to most OME springs.

**ANTI FRICTION INTER LEAF LINERS** - Used where applicable to reduce friction between spring leaves giving better ride comfort and increased spring life.

**SHOT PEENED** - On the tension side of all leaves to double spring life.

**DRAW TAPERED & DIAMOND CUT LEAVES** - For reduced interleaf friction and improved load distribution in the load bearing area.

**GRAPHITE COATED** - For further reduced friction.

**MILITARY WRAPPED** - For extra safety (where fitment permits).

**LOOSE CLAMPED** - For smooth & quiet operation.

## URETHANE BUSHINGS

**PREMIUM GRADE** - Not all bushings are the same - OME bushings are precision molded in captive molds to ensure exact tolerances for long bushing life.

**SPLINES** - Ensures the best fit by taking up irregularities in spring eyes.

**UNIQUE OME DESIGN** - Clever lip seal and shoulder design prevents dirt penetrating between bushing shoulder and shackle face.

## GREASABLE SHACKLES

**REDUCED WEAR** - Greasable shackles reduce shackle pin deterioration, increase bushing life, enables easy maintenance and improve ride and handling.

**ANTI INVERSION FACILITY** - Built in feature on all LandCruiser greasable shackles.

**SERVICING** - Simple & effective.

# WARRANTY

## WARRANTY STATEMENT - WRITTEN POLICY & COMMENT

**Shock Absorbers - 24 months / 25,000 miles**

**All other products - 24 months / 25,000 miles**

### FITTING WARRANTY:

In the event that your Suspension Equipment (the Kit) is fitted by a Licensed OME Fitter displaying the Licensed OME Fitter sign, ARB Corporation Limited, Old Man Emu Div. (OME) warrants:

- That the Licensed OME Fitter has undergone a training course under the supervision of OME in the proper selection, fitting and testing of suspension equipment;
- That the Licensed OME Fitter will select, fit and test the Kit in a proper and workmanlike manner.

### PRODUCT WARRANTY:

- OME warrants its products against defects in workmanship and material which caused it to perform below the specifications contained in the current OME fitting manual, for a period of twenty four (24) months or 25,000 miles, whichever comes first, from the date of retail sale, to the extent that OME will replace with a new or reconditioned part any component part the workmanship or materials of which are found to be defective according to such specifications.
- On instructions from OME, any spring or shock absorber which the customer claims to be defective should be returned, together with all mounting parts, to OME or to any Licensed OME Fitter accompanied by proof of purchase and a description of the claimed defect. The out-of-pocket cost of returning such part will be borne by OME in the event that the warranty claim is sustained.
- This Warranty does not apply to, and OME excludes liability under this warranty (but see Clause 5 below) for, damage to or wear of any component part:
  - Caused by improper or negligent use
  - Caused by installation or use on modified vehicles or on vehicles other than those recommended by OME.
  - Caused by any racing or competition use if such use does not have the prior approval of OME.
  - Occurring after 300 miles of use unless the safety check recommended by OME has taken place.
  - Occurring by use of a vehicle loaded in excess of the Gross Vehicle Mass stated in respect of the vehicle by the relevant manufacturer.
  - Where installation is not performed by a Licensed OME Fitter.
  - Where used in excessively severe conditions such as mining and some government departments.
- This warranty and all other warranties which by law may be negated shall be so negated if a suspension Kit is not fitted as a suspension system comprising entirely of OME parts.
- The benefits conferred by this warranty are in addition to the rights and remedies which the customer has under the Trade Practices Act and similar state and territory laws in respect of the Kit and services provided with respect to the Kit, by a Licensed OME Fitter or any other person.

### COMMENT:

By way of comment only, a correctly selected OME Kit, when not affected by the matters set out in Clause 3 above and fitted to a vehicle in good condition, without any individual peculiarities or uses, should have satisfactory suspension travel and rake, and not more than 10mm variation in bump stop clearances left to right hand side. The entire contents of the Technical and Fitting Manual are relevant to this comment.

Refer to the OME Technical & Fitting manual for additional comment on warranty.

**DISTRIBUTED BY**

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**OLD MAN EMU**

**4 X 4 SHOCKS & SUSPENSION**

**MARCH 2002**

**APPLICATION  
CATALOGUE  
NUMBER**

**15**

**NORTH AMERICAN VERSION**