



Suspension Catalogue

Volume 14



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WARRANTY INFORMATION



Ironman 4x4 warrants the original buyer, only when purchased new via authorised Ironman 4x4 resellers and distributors, from date of retail sale.

Product is warranted against defects in material or workmanship that cause the product to perform below the specified limits set by Ironman 4x4, to the extent that Ironman 4x4 will repair or replace any parts which are found to be defective.

All warranty claims must be submitted via original purchasing store or chain, unless otherwise arranged.

Proof of original purchase must be presented upon request.

Products may require to be returned to Ironman 4x4 for assessment or repair. Postage and removal costs involved are not the responsibility of Ironman 4x4, and may only be considered upon discretion by Ironman 4x4 in the event of such claim being verified.

The warranty does NOT apply where, 1) acts of neglect or misuse are evident, 2) product has been modified, 3) vehicles which are modified or not the recommended vehicle of use, 4) used in racing or competition conditions without the prior consent of Ironman 4x4, 5) used beyond the expectations of the original vehicle manufacturer.

Before installation of any product, please ensure you have received the correct parts for your application.

Ordering of the correct parts is the responsibility of the buyer. Return of a product in an un-used condition will attract a 15% restock fee, where Ironman 4x4 is not at fault.

Return of used or soiled product, 1) outside warranty period, 2) without fault, will result in refusal of your claim and be returned at buyer's expense.

SUSPENSION:

All suspension products must undergo safety check at 500km after fitment. Fitment should be performed by an authorised or licensed mechanic, competent with suspension installations.

Special tools may be required when fitting some parts including struts. Damage to products through fitment error is not covered under warranty.

Warranty may become void when product is installed in conjunction with anything other than genuine manufacturer or Ironman components.

Where required, Ironman 4x4 recommend wheel alignment after fitment of any new suspension component. Obtaining wheel alignments is the responsibility of the buyer.

FREIGHT CONDITIONS:

Freight of all products is the buyer's responsibility.

Where Ironman 4x4 have arranged freight, costs involved will be invoiced to the buyer.

Ironman 4x4 is not responsible for damage or loss during freight.

FITTING:

All prices listed may be subject to fitting costs. The price of fitting is determined by the individual fitting agent.



SUSPENSION INSTALLATION FORM

Please copy and complete this form at the time of installation. Keep in a safe place for future reference.

Always ensure you have all the correct parts before beginning installation.

Installing suspension often requires special tools and expert knowledge. All fitment should be performed by a qualified and experienced fitter.

Always tighten bushed components after the vehicle is let down onto the ground at normal ride height, otherwise damage from torsional stresses can occur.

Brake proportioning valves should only be adjusted by a qualified brake specialist if necessary.

Ironman recommends a wheel alignment after fitment of new suspension, consideration to natural spring settling should be taken into account before alignment is done.

Always adhere to vehicle manufacturers torque specification when tightening fasteners.

Always grease polyurethane bushes prior to fitment, Ironman 4x4 recommends a molybdenum based grease or grease specified for polyurethane.

OWNER DETAILS

NAME: PHONE:

ADDRESS:

VEHICLE DETAILS

MAKE: MODEL: REG NO: MILEAGE:

ENGINE TYPE: BODY TYPE:

PRE EXISTING MODIFICATIONS OR WEIGHTED ACCESSORIES:

PART NUMBERS TO BE INSTALLED

PART # TYPE: PART # TYPE:

PART # TYPE: PART # TYPE:

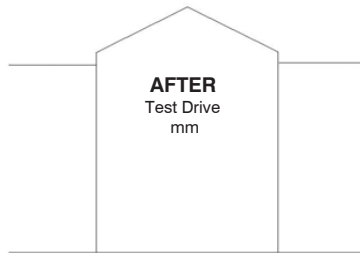
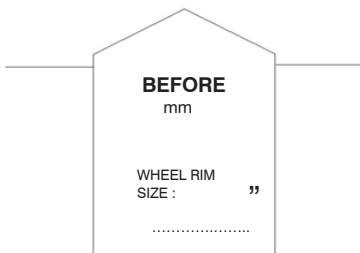
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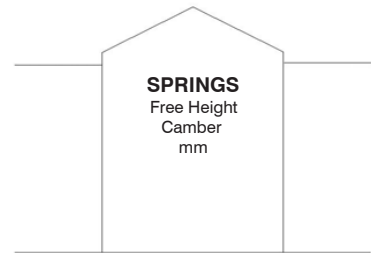
SUSPENSION MEASUREMENTS

VEHICLE HEIGHT
LOWER OF WHEEL RIM TO GUARD



SUSPENSION MEASUREMENTS

ACTUAL MEASUREMENT OF NEW SPRINGS
PRIOR TO INSTALLATION



NOTES AND COMMENTS

NOTES:
.....
.....
.....
.....

All measurements to be taken prior to installation, immediately after initial test drive and again at 500km check. All vehicle height measurements to be taken from lower of wheel rim to guard unless otherwise stated. Up to 10mm height reduction in springs can be considered normal settling over time. All measurements are metric except wheel rim size. Warranty period is 2 years or 40,000km unless otherwise stated.

PART SELECTION



Choosing The Right Spring

Leaf Springs: Part number suffix A. (eg. TOY057A)

Will provide some lift from standard and used where comfort is preferred rather than firm control. This design is best suited to light or no load applications.

Coil and Leaf Springs: Part number suffix B. (eg. TOY025B)

Ride will be firmer than original by around 20% and suits light to medium loads. This spring is recommended when the given load may be occasional or temporary. Excellent for vehicles which have some accessories fitted.

Coil and Leaf Springs: Part number suffix C. (eg. TOY025C)

Will provide excellent support for vehicle's carrying constant heavy loads. Suitable when multiple heavy accessories or steel tray's / toolboxes fitted. These springs should be avoided when vehicle has light or no load present.

Leaf Springs: Part number suffix D. (eg. TOY009D)

Extra heavy duty springs designed to support heavier constant loads when heavy accessories are combined with heavy payloads



Choosing The Right Shock Absorber

Nitro Gas: Part number suffix GR.

Twin Tube 35mm Bore and Piston.

These shock absorbers are best suited to medium and heavy loads. Vehicle will become firmer and more responsive. Will provide excellent resistance to body roll when cornering.

Nitro Gas Soft Ride: Part number suffix GRC.

Twin Tube 35mm Bore and Piston

These shock absorbers are available for selected vehicle's where comfort is preferred rather than firm control. The softer valving is best suited to light or no load applications.

Foam Cell: Part number suffix FE.

Twin Tube 41mm Bore and Piston.

These shock absorbers provide similar benefits to the Nitro Gas GR shock absorber. The Foam Cell shock absorber features larger piston and bore size to allow for more oil capacity which allows the shock absorber to operate cooler in rough offroad conditions or long haul corrugations





How Much Lift Will I Get?

All Coil and Leaf Springs are accompanied by a suggested weight range throughout this catalogue.

This suggestion is provided as an assistance to spring selection and is not indicative of the springs full ability.

The stated lift for each vehicle is relative to the suggested weight loading and is based upon the minimum value of this suggested weight loading.

The lift heights quoted are a general figure only, calculated as an average of both Front and Rear, and are relative to new vehicle ride heights. The position of added weight can also affect the outcome.

Which Kit Do I Choose?

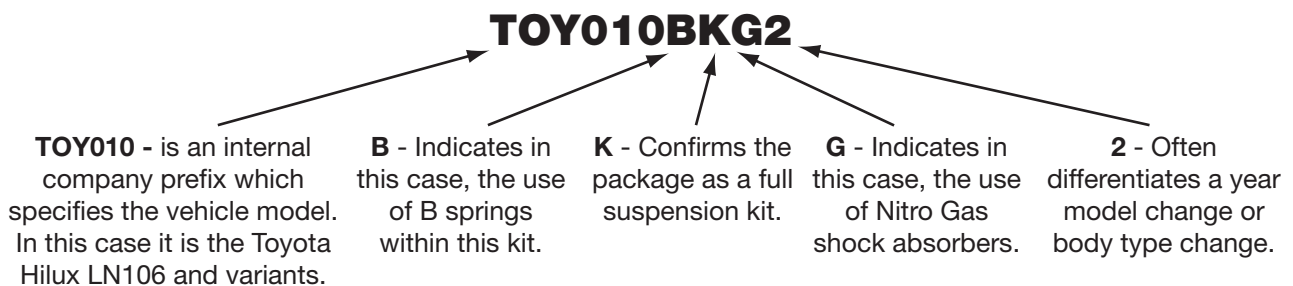
The correct selection of a suspension kit is vital to a successful outcome.

Each vehicle should be treated as an individual case, as many variables can affect the final result.

When assessing a vehicle and choosing a kit, the following must be noted:

- *Engine type, Petrol, Diesel, Turbo Diesel? Perhaps an engine conversion which is heavier than the original?*
- *Added accessories such as bull bar, winch, second battery, extra spare wheel, drawer system, roof rack, steel tray, sub tanks etc. can all alter the outcome.*
- *Take note the location of these accessories as the re-location can also disrupt the weight balance.*
- *Carefully note the production date and series of the vehicle as many parts may differ from model to model.*
- *Understand the usage of the vehicle, such as how and where the vehicle will be driven. - eg. different terrains and speeds.*

The Ironman suspension kit part numbering system is constructed as follows:



Customising The Kit

Generally, as no two vehicles are alike, customizing a suspension kit is recommended and can be discussed with the Ironman team.

For example:

A listed suspension kit, eg. TOY010BKG2 will have B springs supplied front and rear by default. This may not be suitable for a vehicle that carries heavy load in the rear only. In this case we would suggest C rear springs but front will remain the B.

Kit customisation is relevant when selecting springs and shock absorbers only. This service is only available upon request.

4x4 SHOCK ABSORBER RANGE



Year	Vehicle Description	Nitro Gas Front	Nitro Gas Rear	Foam Cell Front	Foam Cell Rear	Steering Damper
FORD						
Pre 8/1989	Maverick Hardtop SWB, LWB	12091GR	12094GR	24091FE	24094FE	3534
9/1989 On	Maverick Hardtop SWB, LWB	12091GR	12094GR	24091FE	24094FE	3536
All	Maverick Cab Chassis & Ute	12661GR	12648GR	24661FE	24648FE	3522
1988 On	Courier / Ranger / Raider / Everest 4X4	12667GR	12095GR	24667FE	24095FE	
GREATWALL MOTORS						
3/2008 On	V240 / Wingle		12636GR ^c	24667FE	24636FE	
HOLDEN / ISUZU / CHEVROLET						
1983 On	Blazer S10	12756GR	12757GR			
1985-1987	Drover QB	12085GR	12086GR			3530
1982-10/1986	Jackaroo UBS 13, 16, 52	12087GR	12636GR ^c	24087FE	24636FE	
11/1986-3/1992	Jackaroo UBS 16, 17, 52	12087GR	12671GR	24087FE		
4/1992-2003	Jackaroo UBS 25 & 69	12643GR	12644GR	24643FE	24644FE	
Pre 7/1988	Rodeo KB/TF 4X4	12087GR	12636GR ^c	24087FE	24636FE	
7/1988 On	Rodeo KB/TFS 4X4	12643GR	12636GR ^c	24643FE		
3/2003 On	Rodeo RA / RA7 / Colorado / DMax	12667GR	12636GR ^c	24667FE	24636FE	
10/1995-1/1999	Frontera	12667GR	12644GR	24667FE	24644FE	
HYUNDAI						
2001 On	Terracan	12087GR	12637GR ^c	24087FE		
JEEP						
4/1994 On	Cherokee Classic XJ	12665GR	12666GR	24665FE	24666FE	3540
3/1996-1998	Grand Cherokee ZG, ZJ	12665GR	12670GR	24665FE		3540
10/1996 On	Wrangler TJ	12665GR	12669GR	24665FE		3540
2006 On	Wrangler JK	12751GR	12752GR			
1999 6/2005	Grand Cherokee WJ/WG	12774GR	12775GR			3540
2002 On	KJ / KK Liberty, Sport & Limited	12711GR	12712GR			
LAND ROVER						
11/1984 On	Defender, 90, 110, County Wagon, Trayback	12080GR	12640GR	24080FE	24640FE	3532
1974-1995	Range Rover (Without Air Suspension)	12080GR	12640GR	24080FE	24640FE	3511
1989-1998	Discovery Series I	12080GR	12640GR	24080FE	24640FE	3511
1999 On	Discovery Series II, Td5	12776GR	12777GR	24776FE	24777FE	3502
MAZDA						
1988 On	Bravo B Series / BT50 4x4	12667GR	12095GR	24667FE	24095FE	
MITSUBISHI						
1983-4/1991	Pajero / Montero L200 (Leaf)	12082GR	12636GR ^c	24082FE	24636FE	3517 ¹
1991-3/2000	Pajero / Montero L200 (Leaf)	12087GR	12636GR ^c	24087FE	24636FE	
1988-4/1991	Pajero / Montero NF,NG,NH & NJ (Coils)	12082GR	12645GR	24082FE	24645FE	3517 ¹
5/1991-2000	Pajero / MonteroNF,NG,NH & NJ (Coils)	12087GR	12646GR	24087FE	24646FE	
4/2000 On	Pajero / Mentero NM,NP,NS,NT	12713GR	12714GR	24713FE		
1998 On	Challenger / Montero Sport) (Leaf Rear)	12087GR	12636GR ^c	24087FE	24636FE	
1998 On	Challenger / Montero Sport (Coils Rear)	12087GR	12645GR	24087FE	24645FE	
2009 On	Challenger / Montero Sport (Strut Front)	12715GR	12645GR	24715FE		
1983-8/1996	Triton / Strada ME,MF,MG,MH,MJ	12082GR	12698GR ^c	24082FE	24698FE	
9/1996-7/2005	Triton / Strada MK	12087GR	12698GR ^c	24087FE	24698FE	
8/2005 On	Triton ML / MN L200 (Coil Springs Front)	12715GR	12636GR ^c	24715FE	24636FE	
5/1994-2001	L400 Delica LWB (Without ECS) ²	12667GR	12698GR ^c	24667FE		
5/1994-2001	L400 Delica LWB (With ECS) ²	12667GR	12671GR	24667FE		

NOTES:

- (C) Comfort Shock Absorbers Available (12xxxGRC).
- (1) (12661GR) (24661FE) Must order Part # 895 Tube to Convert Lower Eye.
- (1) (3517) Fits Non Power Steering Models only.
- (2) (ECS) Electronic Control Suspension.
- (3) (12650GR & 24650FE) Bundera Right Side.
- (4) (12639GR & 24639FE) Bundera Left Side
- (5) (12639GR & 24639FE) Must order Part # 630 to convert lower eye to 19mm.



4x4 SHOCK ABSORBER RANGE

Year	Vehicle Description	Nitro Gas		Foam Cell		Steering Damper
		Front	Rear	Front	Rear	
NISSAN						
1961-1988	Patrol G60 SWB & MWB	12075GR	12075GR			3522
9/1980-1988	Patrol MQ/MK G160	12075GR	12076GR			3522
2/1988 On	Patrol GQ/GR Y60 Cab Chassis (Leaf Springs)	12661GR	12648GR	24661FE	24648FE	3522
2/1988-8/1989	Patrol GQ/GR Y60 Station Wagon	12091GR	12094GR	24091FE	24094FE	3534
8/1989 On	Patrol GQ/GR Y60 Station Wagon	12091GR	12094GR	24091FE	24094FE	3536
9/1991-5/1999	Patrol GQ Y60 Cab Chassis (Coil Springs)	12091GR	12094GR	24091FE	24094FE	3536
1989 On	Patrol Y260 2.8TD	12080GR	12636GR ^c	24080FE	24636FE	3522
Pre 2/2000	Patrol GU Y61 Wagon & Ute (Series I)	12091GR	12094GR	24091FE	24094FE	3511
2/2000 On	Patrol GU Y61 Wagon & Ute (Series II,III,III)	12091GR	12094GR	24091FE	24094FE	3501
1997 On	Patrol GU Y61 Cab Chassis (Leaf Springs Rear)	12091GR	12648GR	24091FE	24648FE	3511
2009 On	Patrol Y62	12740GR	12742GR	24740FE	24742FE	
1986-3/1997	Navara D21	12087GR	12636GR ^c	24087FE	24636FE	3535
4/1997 On	Navara D22	12791GR	12636GR ^c		24636FE	
2005 On	Navara D40	12716GR	12717GR	24716FE	24717FE	
1986-8/1995	Pathfinder WD21 / Terrano R20	12667GR	12636GR ^c	24667FE	24636FE	3535
7/2005 On	Pathfinder R51	12716GR	12718GR	24716FE	24718FE	
SSANGYONG						
7/1996 On	Musso & Korando	12667GR	12661GR ^o	24667FE	24661FE ^o	
SUZUKI						
1974 On	Sierra LJ/SJ (Leaf Springs)	12085GR	12086GR			3530
1998 On	Jimny	12759GR	12760GR			3521S
7/1988-1998	Vitara 3 Door SWB	12083GR	12089GR			
4/1988-7/2005	Vitara 5 Door LWB / XL7 / Grand Vitara	12083GR	12658GR			
8/2005 On	Grand Vitara	12721GR	12722GR			
TOYOTA						
4/1979-10/1983	Hilux LN65,YN65,67 (Live Axle) (Leaf Springs)	12639GR ^c	12636GR ^c	24639FE	24636FE	3521
11/1983-11/1997	Hilux RN105,LN106 (Live Axle) (Leaf Springs)	12639GR ^c	12650GR ^c	24639FE	24650FE	3521
11/1989-1997	4 Runner/Surf LN,VZN130,YN (IFS)(Coil Springs)	12088GR	12637GR ^c	24088FE	24637FE	3533
1988-9/1997	Hilux LN/YN110,LN111,SR5 (IFS) (Leaf Springs)	12088GR	12650GR ^c	24088FE	24650FE	3533
10/1997-3/2005	Hilux Extra Cab RN106,LN107/108,167,SR5	12088GR	12081GR ^c	24088FE	24081FE	3533
3/2005 On	Hilux GGN25R, KUN26R, Cab Chassis & Ute	12710GR	12650GR ^c	24710FE	24650FE	
1980 On	Landcruiser BJ/FJ/HJ40,42,45,46,47	12635GR ^c	12636GR ^c	24635FE	24636FE	3523
Pre 1986	Landcruiser FJ/HJ60/61/62	12637GR ^c	12636GR ^c	24637FE	24636FE	3524
8/1986-3/1990	Landcruiser FJ-HJ60/61/62	12637GR ^c	12650GR ^c	24637FE	24650FE	3524
11/1984-1989	Landcruiser LJ70,73, Bundera (Coil Springs)	12091GR	12650GR ³	24091FE	24650FE ³	3524
			12639GR ^{4,5}		24639FE ^{4,5}	
8/1980 On	Landcruiser BJ70,73,74 FJ70-73,77	12637GR ^c	12650GR ^c	24637FE	24650FE	3524
1990-1996	Landcruiser KZJ70,73,78 Prado Landcruiser II	12696GR	12697GR	24696FE	24697FE	3524
1984 On	Landcruiser FJ-HJ-HZJ75 Ute & Troop Carrier	12637GR ^c	12081GR ^c	24637FE	24081FE	3524
1999-2007	Landcruiser HZJ78,79	12091GR	12094GR	24091FE	24094FE	3524
2007 On	Landcruiser HZJ76/78,79	12091GR	12094GR	24091FE	24094FE	3525
1990 On	Landcruiser FJ/HZJ 80 / 105 (Live Axle)	12683GR	12682GR	24683FE	24682FE	3524
3/1998 On	Landcruiser HDJ/UZJ100 (IFS)	12795GR	12796GR	24795FE	24796FE	
2008 on	Landcruiser 200 Series	12720GR	12796GR	24720FE	24796FE	
7/1996-10/2002	Prado 90,95 Series	12691GR	12661GR	24691FE	24661FE	
4/2003 On	Prado 120 / FJ Cruiser	12710GR	12682GRC	24710FE	24682FEC	
2009 On	Prado 150	12750GR	12682GRC	24750FE	24682FEC	
11/2004 On	Fortuner	12710GR	12743GR	24710FE	24743FE	
UAZ						
All	Hunter	12652GR	12698GR	24652FE	24698FE	
All	Patriot	12646GR	12698GR	24646FE	24698FE	
VOLKSWAGEN						
2009 On	Amarok	12725GR	12726GR			
COMPETITION - EXTRA LONG TRAVEL						
2/1988 On	Patrol GQ/GR/GU (Coil Springs) Suit 4" Lift			24091LFE	24094LFE	
2/1988 On	Patrol GQ/GR/GU (Coil Springs) Suit 6" Lift			24091LFE1	24094LFE1	
1990 On	Landcruiser FJ/HZJ 80 / 105 Suit 4" Lift			24683LFE	24682LFE	
1990 On	Landcruiser FJ/HZJ 80 / 105 Suit 6" Lift			24683LFE1	24682LFE1	
2006 On	Jeep Wrangler JK Suit 90mm Lift	12751LGR	12752LGR			

**COURIER, RANGER
& RAIDER**

1987 - 2006
40mm Lift



FRONT SUSPENSION

Product	Part Number	Qty Req'd
SHOCK ABSORBER		
Nitro Gas	12667GR	2
Foam Cell	24667FE	2
SPRING		
Uprated Torsion Bar	MAZDA005	1
CONTROL ARM		
Uprated Lower Control Arm Left Side	LCA001LH	1
Uprated Lower Control Arm Right Side	LCA001RH	1

REAR SUSPENSION

Product	Part Number	Qty Req'd	
SHOCK ABSORBER			
Nitro Gas	12095GR	2	
Foam Cell	24095FE	2	
LEAF SPRING			
	Additional Weight		
Comfort	0-100kg	MAZDA006A	2
Performance	0-200kg	MAZDA006B	2
Constant Load	200-400kg	MAZDA006C	2
Mining	400kg-GVM	MAZDA006D	2
U-BOLTS			
U-Bolt Kit	415UBK	2	
POLYURETHANE SPRING BUSHES			
Complete Set	756UK	1	
GREASABLE SHACKLES & PINS			
Greasable Shackle	386-1	2	
Greasable Pin	794	2	

SUSPENSION KIT

Product	Part Number
Comfort with Gas Shocks	MAZDA006AKG
Comfort with Foam Cell Shocks	MAZDA006AKF
Performance with Gas Shocks	MAZDA006BKG
Performance with Foam Cell Shocks	MAZDA006BKF
Constant Load with Gas Shocks	MAZDA006CKG
Constant Load with Foam Cell Shocks	MAZDA006CKF
Mining with Gas Shocks	MAZDA006DKG
Mining with Foam Cell Shocks	MAZDA006DKF

NOTE: Image above indicates kit contents.



RANGER & EVEREST

3/2006 - 2011

40mm Lift

FRONT SUSPENSION

Product		Part Number	Qty Req'd
SHOCK ABSORBER			
Nitro Gas		12667GR	2
Foam Cell		24667FE	2
SPRING			
Uprated Torsion Bar	Duratorq Engine	MAZDA014*	1
Uprated Torsion Bar	2.5L WLT Engine	MAZDA005*	1
CONTROL ARM			
Uprated Lower Control Arm	Left Side	LCA002LH	1
Uprated Lower Control Arm	Right Side	LCA002RH	1

REAR SUSPENSION

Product		Part Number	Qty Req'd
SHOCK ABSORBER			
Nitro Gas		12095GR	2
Foam Cell		24095FE	2
LEAF SPRING			
	Additional Weight		
Comfort	0-100kg	MAZDA041A	2
Performance	0-200kg	MAZDA041B	2
Constant Load	200-400kg	MAZDA041C	2
Mining	400kg-GVM	MAZDA041D	2
U-BOLTS			
U-Bolt Kit		417UBK	2
POLYURETHANE SPRING BUSHES			
Complete Set		759UK	1
GREASABLE SHACKLES & PINS			
Greasable Shackle		386-1	2

SUSPENSION KIT

Product	Part Number
Comfort with Gas Shocks	MAZDA041AKG
Comfort with Foam Cell Shocks	MAZDA041AKF
Performance with Gas Shocks	MAZDA041BKG
Performance with Foam Cell Shocks	MAZDA041BKF
Constant Load with Gas Shocks	MAZDA041CKG
Constant Load with Foam Cell Shocks	MAZDA041CKF
Mining Load with Gas Shocks	MAZDA041DKG
Mining Load with Foam Cell Shocks	MAZDA041DKF

NOTE: Image above indicates kit contents.

*MAZDA014 is 1024mm in length, used on most vehicles.
Vehicles with 2.5L WLT Engine use MAZDA005 (924mm) Torsion Bar.
Check length before ordering.

RODEO

KB/TF 4X4

1981 - 1988

40mm Lift



FRONT SUSPENSION

Product	Part Number	Qty Req'd	
SHOCK ABSORBER			
Nitro Gas	12087GR	2	
Foam Cell	24087FE	2	
SPRING			
Uprated Torsion Bar	1981 - 1983	HOLD003A	1
Uprated Torsion Bar	1983 - 1988	MAZDA005	1

REAR SUSPENSION

Product	Part Number	Qty Req'd	
SHOCK ABSORBER			
Nitro Gas	Comfort Soft Ride	12636GRC	2
Nitro Gas		12636GR	2
Foam Cell		24636FE	2
LEAF SPRING			
	Additional Weight		
Performance Drivers Side	0-300kg	HOLD004BD/S	1
Performance Near Side	0-300kg	HOLD004BN/S	1
Constant Load Drivers Side	300kg-GVM	HOLD004CD/S	1
Constant Load Near Side	300kg-GVM	HOLD004CN/S	1
U-BOLTS			
U-Bolt Kit	451UBK	2	
POLYURETHANE SPRING BUSHES			
Complete Set	728UK	1	
GREASABLE SHACKLES & PINS			
Greasable Shackle	791	2	
Greasable Pin	792	2	

SUSPENSION KIT

Product	Part Number
Performance with Gas Shocks	HOLD004BKG1
Performance with Foam Cell Shocks	HOLD004BKF1
Constant Load with Gas Shocks	HOLD004CKG1
Constant Load with Foam Cell Shocks	HOLD004CKF1

NOTE: Image above indicates kit contents.



RODEO
KB/TFS 4X4
 1988 - 3/2003
 40mm Lift

FRONT SUSPENSION

Product	Part Number	Qty Req'd
SHOCK ABSORBER		
Nitro Gas	12643GR	2
SPRING		
Upated Torsion Bar	HOLD005A	1

REAR SUSPENSION

Product	Part Number	Qty Req'd	
SHOCK ABSORBER			
Nitro Gas	Comfort Soft Ride	12636GRC	2
Nitro Gas		12636GR	2
LEAF SPRING			
	Additional Weight		
Performance Drivers Side	0-300kg	HOLD004BD/S	1
Performance Near Side	0-300kg	HOLD004BN/S	1
Constant Load Drivers Side	300kg-GVM	HOLD004CD/S	1
Constant Load Near Side	300kg-GVM	HOLD004CN/S	1
U-BOLTS			
U-Bolt Kit	415UBK	2	
POLYURETHANE SPRING BUSHES			
Complete Set	728UK	1	
GREASABLE SHACKLES & PINS			
Greasable Shackle	386-2	2	
Non Greasable Pin	387-1	2	

SUSPENSION KIT

Product	Part Number
Performance with Gas Shocks	HOLD004BKG2
Constant Load with Gas Shocks	HOLD004CKG2

NOTE: Image above indicates kit contents.

**RODEO/
COLORADO**

RA, RA7, D-MAX
3/2003 On
40mm Lift

**GREATWALL
V240**

WINGLE 4X2 / 4X4
2009-On
40mm Lift



FRONT SUSPENSION

Product	Part Number	Qty Req'd
SHOCK ABSORBER		
Nitro Gas	12667GR	2
Foam Cell	24667FE ¹	2
SPRING		
Upated Torsion Bar	HOLD010	1

REAR SUSPENSION

Product	Part Number	Qty Req'd	
SHOCK ABSORBER			
Nitro Gas	Comfort Soft Ride	12636GRC	2
Nitro Gas		12636GR	2
Foam Cell		24636FE	2
LEAF SPRING			
Performance	0-300kg	HOLD006B	2
Constant Load	300kg-GVM	HOLD006C	2
U-BOLTS			
U-Bolt Kit	417UBK	2	
POLYURETHANE SPRING BUSHES			
Complete Set	728TUK	1	
GREASABLE SHACKLES & PINS			
Greasable Shackle	386-2	2	
Non Greasable Pin	387-1	2	
SUSPENSION KIT			
Product	Part Number		
Performance with Gas Shocks	HOLD006BKG		
Performance with Foam Cell Shocks	HOLD006BKF		
Constant Load with Gas Shocks	HOLD006CKG		
Constant Load with Foam Cell Shocks	HOLD006CKF		

NOTE: Image above indicates kit contents.

NOTE: ¹ Greatwall, Must use Foam Cell 24667FE Front Shock Absorber.



JACKAROO / TROOPER

UBS 13, 16, 52

Pre 1986

40mm Lift

FRONT SUSPENSION

Product	Part Number	Qty Req'd
SHOCK ABSORBER		
Nitro Gas	12087GR	2
Foam Cell	24087FE	2
SPRING		
Uprated Torsion Bar	MAZDA005	1

REAR SUSPENSION

Product	Part Number	Qty Req'd	
SHOCK ABSORBER			
Nitro Gas	Comfort Soft Ride	12636GRC	2
Nitro Gas		12636GR	2
Foam Cell		24636FE	2
LEAF SPRING			
	Additional Weight		
Performance Drivers Side	0-300kg	HOLD004BD/S	1
Performance Near Side	0-300kg	HOLD004BN/S	1
Constant Load Drivers Side	300kg-GVM	HOLD004CD/S	1
Constant Load Near Side	300kg-GVM	HOLD004CN/S	1
U-BOLTS			
U-Bolt Kit	451UBK	2	
POLYURETHANE SPRING BUSHES			
Complete Set	747UK	1	
GREASABLE SHACKLES & PINS			
Greasable Shackle	791	2	
Greasable Pin	792	2	

SUSPENSION KIT

Product	Part Number
Performance with Gas Shocks	HOLD005BKG
Performance with Foam Cell Shocks	HOLD005BKF
Constant Load with Gas Shocks	HOLD005CKG
Constant Load with Foam Cell Shocks	HOLD005CKF

NOTE: Image above indicates kit contents.

JACKAROO / TROOPER

UBS 16, 17, 52, 55
11/1986 - 1991, Leaf Springs Rear
40mm Lift



FRONT SUSPENSION

Product	Part Number	Qty Req'd	
SHOCK ABSORBER			
Nitro Gas	12087GR	2	
Foam Cell	24087FE	2	
SPRING			
Uprated Torsion Bar	33mm Spine	HOLD005A	1
Uprated Torsion Bar	36mm Spine	HOLD007	1

REAR SUSPENSION

Product	Part Number	Qty Req'd	
SHOCK ABSORBER			
Nitro Gas	12671GR	2	
LEAF SPRING			
	Additional Weight		
Performance Drivers Side	0-300kg	HOLD004BD/S	1
Performance Near Side	0-300kg	HOLD004BN/S	1
Constant Load Drivers Side	300kg-GVM	HOLD004CD/S	1
Constant Load Near Side	300kg-GVM	HOLD004CN/S	1
U-BOLTS			
U-Bolt Kit	451UBK	2	
POLYURETHANE SPRING BUSHES			
Complete Set	747UK	1	
GREASABLE SHACKLES & PINS			
Greasable Shackle	791	2	
Greasable Pin	792	2	
SUSPENSION KIT			
Performance with Gas Shocks	HOLD007BKG		
Constant Load with Gas Shocks	HOLD007CKG		

NOTE: Image above indicates kit contents.



JACKAROO / TROOPER

UBS 25, 69
4/1992 On
40mm Lift

FRONT SUSPENSION

Product	Part Number	Qty Req'd
SHOCK ABSORBER		
Nitro Gas	12643GR	2
Foam Cell	24643FE	2
SPRING		
Upated Torsion Bar	HOLD009	1

REAR SUSPENSION

Product	Part Number	Qty Req'd	
SHOCK ABSORBER			
Nitro Gas	12644GR	2	
Foam Cell	24644FE	2	
COIL SPRING			
	Additional Weight		
Performance	0-300kg	HOLD008B	1
Constant load	300kg-GVM	HOLD008C ¹	1

SUSPENSION KIT

Product	Part Number
Performance with Gas Shocks	HOLD008BKG
Performance with Foam Cell Shocks	HOLD008BKF
Constant Load with Gas Shocks	HOLD008CKG
Constant Load with Foam Cell Shocks	HOLD008CKF

NOTE: Image above indicates kit contents.

NOTE: ¹ Use HOLD008C for 3/2001- On Models.

FRONTERA

1995-1/1999

45mm Lift



FRONT SUSPENSION

Product	Part Number	Qty Req'd
SHOCK ABSORBER		
Nitro Gas	12667GR	2
Foam Cell	24667FE	2
SPRING		
Upated Torsion Bar	HOLD009	1

REAR SUSPENSION

Product	Part Number	Qty Req'd	
SHOCK ABSORBER			
Nitro Gas	12644GR	2	
Foam Cell	24644FE	2	
COIL SPRING			
	Additional Weight		
Performance	0-300kg	HOLD008B	1
Constant load	300kg-GVM	HOLD008C	1

SUSPENSION KIT

Product	Part Number
Performance with Gas Shocks	HOLD008BKG1
Performance with Foam Cell Shocks	HOLD008BKF1
Constant Load with Gas Shocks	HOLD008CKG1
Constant Load with Foam Cell Shocks	HOLD008CKF1

NOTE: Image above indicates kit contents.



TERRACAN

2001 On
40mm Lift

FRONT SUSPENSION

Product	Part Number	Qty Req'd
SHOCK ABSORBER		
Nitro Gas	12087GR	2
Foam Cell	24087FE	2
SPRING		
Upated Torsion Bar	HYUND004	1

REAR SUSPENSION

Product	Part Number	Qty Req'd	
SHOCK ABSORBER			
Nitro Gas	Comfort Soft Ride	12637GRC	2
Nitro Gas		12637GR	2
COIL SPRING			
Performance	Additional Weight 0-300kg	HYUND003B	1
DIFF BREATHER HOSE			
Extended Hose	DHOSE350	1	

SUSPENSION KIT

Product	Part Number	Qty Req'd
Performance with Gas Shocks	HYUND003BKG	

NOTE: Image above indicates kit contents.

Must install extended Diff Breather Hose #DHOSE350 when installing Ironman rear shock absorbers.

CHEROKEE

XJ

Pre 2001

40mm Lift



FRONT SUSPENSION

Product	Part Number	Qty Req'd
SHOCK ABSORBER		
Nitro Gas	12665GR	2
Foam Cell	24665FE	2
COIL SPRING		
	Additional Weight	
Performance	0-100kg	JEEP016B
		1
STEERING DAMPER		
Foam Cell	3540	1

REAR SUSPENSION

Product	Part Number	Qty Req'd
SHOCK ABSORBER		
Nitro Gas	12666GR	2
Foam Cell	24666FE	2
LEAF SPRING		
	Additional Weight	
Performance Drivers Side	0-250kg	JEEP004BD/S
		1
Performance Near Side	0-250kg	JEEP004BN/S
		1
U-BOLTS		
U-Bolt Kit	512UBK	2
POLYURETHANE SPRING BUSHES		
Complete Set	762UK	1

SUSPENSION KIT

Product	Part Number
Performance with Gas Shocks	JEEP003BKG
Performance with Foam Cell Shocks	JEEP003BKF

NOTE: Image above indicates kit contents.

**In some cases, a Driveline vibration may occur after lift.
A Gearbox Crossmember Spacer Kit may be required.**



WRANGLER

TJ

10/1996 - 2/2007

40mm Lift

JEEP

FRONT SUSPENSION

Product	Part Number	Qty Req'd	
SHOCK ABSORBER			
Nitro Gas	12665GR	2	
Foam Cell	24665FE	2	
COIL SPRING			
	Additional Weight		
Performance	0-40kg	JEEP007B	1
Constant Load	40-80kg	JEEP003B	1
STEERING DAMPER			
Foam Cell	3540	1	

REAR SUSPENSION

Product	Part Number	Qty Req'd	
SHOCK ABSORBER			
Nitro Gas	12669GR	2	
COIL SPRING			
	Additional Weight		
Performance	0-200kg	JEEP008B	1

SUSPENSION KIT

Product	Part Number
Performance with Gas Shocks	JEEP007BKG

NOTE: Image above indicates kit contents.

**In some cases, a Driveline vibration may occur after lift.
A Gearbox Crossmember Spacer Kit may be required.**

WRANGLER

JK
2006 On
40mm Lift / 90mm Lift (LHD)



FRONT SUSPENSION

Product	Part Number	Qty Req'd	
SHOCK ABSORBER			
Nitro Gas	12751GR	2	
Nitro Gas Suit 90mm Lift	12751LGR	2	
COIL SPRING			
	Additional Weight		
Performance	0-50kg	JEEP017B	1
Constant Load	50-100kg	JEEP017C	1
Performance	90mm Lift	JEEP019B	1
SPACERS & RODS			
Adjustable Panhard Rod	PANHARD010	1	
STEERING DAMPER			
Foam Cell	Only compatible with JK BKITL for LHD 3540	1	

REAR SUSPENSION

Product	Part Number	Qty Req'd	
SHOCK ABSORBER			
Nitro Gas	12752GR	2	
Nitro Gas Suit 90mm Lift	12752LGR	2	
COILS SPRING			
	Additional Weight		
Performance 2 Door	0-250kg	JEEP018A	1
Performance 4 Door	0-250kg	JEEP018B	1
Performance	90mm Lift	JEEP020B	1
SPACERS & RODS			
Adjustable Panhard Rod	PANHARD011	1	
Full Bracket Set Suit 90mm Lift (LHD Only)	JKBKITL*	1	

SUSPENSION KIT

Product	Part Number
Performance with 3 Door	JEEP017AKG
Performance with 5 Door	JEEP017BKG
Performance 90mm Lift (LHD Only)	JEEP019BKGL

* 90mm lift coil springs and shock absorbers are only intended for use together with the appropriate geometry correction components.

* JKBKITL is sold complete, parts are not available individually.

JKBKITL - BRACKET KIT

Product	Part Number	Qty Req'd
Steering Rod Flip Kit	JKBK01L	1
Front Shock Absorber Relocation Kit	JKBK02	1
Radius Arm Relocation Kit	JKBK03	1
Brake Hose Extension Kit	JKBK04	1
Front Panhard Rod	PANHARD010	1
Rear Panhard Rod	PANHARD012	1
Rear Panhard Rod Relocation Kit	JKBK05L	1
Bump Stop Spacer Kit	JKBK06	1
Adjustable Sway Bar Extensions	SBEXT008	4

JK 90mm Lift Kit may not be legal for road use in your area. Certification may be required for on-road use.

These products are not covered by the Ironman warranty policy.



GRAND CHEROKEE

ZJ, ZG
4/1996 - 1999
40mm Lift

FRONT SUSPENSION

Product	Part Number	Qty Req'd	
SHOCK ABSORBER			
Nitro Gas	12665GR	2	
Foam Cell	24665FE	2	
COIL SPRING			
	Additional Weight		
Performance	0-50kg	JEEP003B	1
Constant Load	50-100kg	JEEP016B	1
STEERING DAMPER			
Foam Cell	3540	1	

REAR SUSPENSION

Product	Part Number	Qty Req'd	
SHOCK ABSORBER			
Nitro Gas	12670GR	2	
COIL SPRING			
	Additional Weight		
Performance	0-200kg	JEEP006B	1
Constant Load	200kg-GVM	JEEP003B	1

SUSPENSION KIT

Product	Part Number	Qty Req'd
Performance with Gas Shocks	JEEP006BKG	
Constant Load with Gas Shocks	JEEP006CKG	

NOTE: Image above indicates kit contents.

NOTE: Vehicles with Monocoque body construction can be subject to increased NVH (Noise) with upgraded suspension installed.

GRAND CHEROKEE

WJ, WG
1999 - 6/2005
40mm Lift



FRONT SUSPENSION

Product	Part Number	Qty Req'd	
SHOCK ABSORBER			
Nitro Gas	12774GR	2	
COIL SPRING			
Performance	Additional Weight 0-50kg	JEEP012B	1

REAR SUSPENSION

Product	Part Number	Qty Req'd	
SHOCK ABSORBER			
Nitro Gas	12775GR	2	
COIL SPRING			
Performance	Additional Weight 0-200kg	JEEP013B	1

SUSPENSION KIT

Product	Part Number
Performance with Gas Shocks	JEEP012BKG

NOTE: Image above indicates kit contents.

NOTE: Vehicles with Monocoque body construction can be subject to increased NVH (Noise) with upgraded suspension installed.



CHEROKEE
LIBERTY KJ / KK
2001 On
40mm Lift

FRONT SUSPENSION

Product		Part Number	Qty Req'd
SHOCK ABSORBER			
Nitro Gas KJ / KK	Height Adjustable Strut	12711GR	2
COIL SPRING			
	Additional Weight		
Performance / Petrol	0-50kg (KJ Only)	JEEP014B	1
Constant Load or Diesel	50-100kg (KJ Only)	JEEP014C	1
TRIM PACKER			
5mm Spacer	Ironman Struts Only	HILFR05	2
10mm Spacer	Ironman Struts Only	HILFR10	2
15mm Spacer	Ironman Struts Only	HILFR15	2

REAR SUSPENSION

Product		Part Number	Qty Req'd
SHOCK ABSORBER			
Nitro Gas KJ / KK		12712GR	2
COIL SPRING			
	Additional Weight		
Performance	0-200kg (KJ Only)	JEEP015B	1

SUSPENSION KIT

Product		Part Number	
Petrol with Gas Shocks	(KJ Only)	JEEP014BKG	
Diesel with Gas Shocks	(KJ Only)	JEEP014BKG1	

NOTE: Ride heights may vary by up to 20mm, due to Jeep design change.

NOTE: Shock Absorbers also fit KK Cherokee Models.

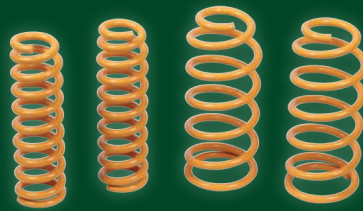
NOTE: Vehicles with Monocoque body construction can be subject to increased NVH (Noise) with upgraded suspension installed.

**Unnecessary fitment of Trim Packers may lift vehicle too high.
It is also essential to select the correct front coil springs to maintain a minimum of 60mm downward suspension travel.**

SORENTO

2003 - 6/2007

35mm Lift

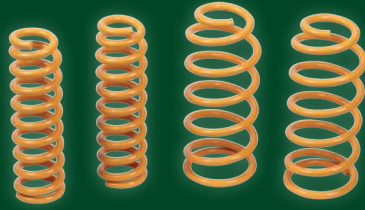


FRONT SUSPENSION

Product		Part Number	Qty Req'd
COIL SPRING	Additional Weight		
Performance	0-50kg	KIA006B	1

REAR SUSPENSION

Product		Part Number	Qty Req'd
COIL SPRING	Additional Weight		
Performance	0-200kg	KIA007B	1



NIVA
1978 On
35mm Lift

LADA

FRONT SUSPENSION

Product		Part Number	Qty Req'dv
COIL SPRING	Additional Weight		
Performance	0-50kg	LADA001B	1

REAR SUSPENSION

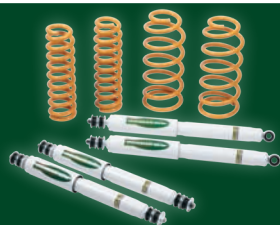
Product		Part Number	Qty Req'd
COIL SPRING	Additional Weight		
Performance	0-200kg	LADA002B	1

DEFENDER

90 SERIES

1984 On

45mm Lift



FRONT SUSPENSION

Product	Part Number	Qty Req'd	
SHOCK ABSORBER			
Nitro Gas	12080GR	2	
Foam Cell	24080FE	2	
COIL SPRING Additional Weight			
Performance	0-80kg	LAND009B	1
STEERING DAMPER			
Foam Cell	3532	1	
OFFSET CASTER BUSH KIT			
2 Degree Offset Bush Kit	1987 On	1145SK	1

REAR SUSPENSION

Product	Part Number	Qty Req'd	
SHOCK ABSORBER			
Nitro Gas	12640GR	2	
Foam Cell	24640FE	2	
COIL SPRING Additional Weight			
Performance	0-300kg	LAND011B	1
Constant Load	300kg-GVM	LAND011C	1

BUSH KIT

Product	Part Number	Qty Req'd	
Suspension Arm Bush Kit	Chassis No. Up to LA930455	821K	1
Suspension Arm Bush Kit	Chassis No. LA930456 On	811K	1

SUSPENSION KIT

Product	Part Number
Performance with Gas Shocks	LAND009BKG
Performance with Foam Cell Shocks	LAND009BKF
Constant Load with Gas Shocks	LAND009CKG
Constant Load with Foam Cell Shocks	LAND009CKF

NOTE: Image above indicates kit contents.



DEFENDER

110 TRAYBACK

1984 On

45mm Lift

FRONT SUSPENSION

Product	Part Number	Qty Req'd	
SHOCK ABSORBER			
Nitro Gas	12080GR	2	
Foam Cell	24080FE	2	
COIL SPRING			
Performance	0-80kg	LAND007B	1
STEERING DAMPER			
Foam Cell	3532	1	
OFFSET CASTER BUSH KIT			
2 Degree Offset Bush Kit	1987 On	1145SK	1

REAR SUSPENSION

Product	Part Number	Qty Req'd	
SHOCK ABSORBER			
Nitro Gas	12640GR	2	
Foam Cell	24640FE	2	
COIL SPRING			
Performance	0-400kg	LAND006B	1
Constant Load	400kg-GVM	LAND006C	1
BUSH KIT			
Product	Part Number	Qty Req'd	
Suspension Arm Bush Kit	Chassis No. Up to LA930455	821K	1
Suspension Arm Bush Kit	Chassis No. LA930456 On	811K	1

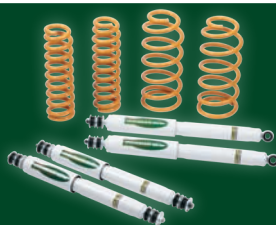
SUSPENSION KIT

Product	Part Number
Performance with Gas Shocks	LAND007BKG
Performance with Foam Cell Shocks	LAND007BKF
Constant Load with Gas Shocks	LAND007CKG
Constant Load with Foam Cell Shocks	LAND007CKF

NOTE: Image above indicates kit contents.

DEFENDER

110, 130 COUNTY / DUAL CAB
1984 On
45mm Lift



FRONT SUSPENSION

Product	Part Number	Qty Req'd	
SHOCK ABSORBER			
Nitro Gas	12080GR	2	
Foam Cell	24080FE	2	
COIL SPRING			
	Additional Weight		
Performance	0-80kg	LAND005B	1
STEERING DAMPER			
Foam Cell	3532	1	
OFFSET CASTER BUSH KIT			
2 Degree Offset Bush Kit	1987 On	1145SK	1

REAR SUSPENSION

Product	Part Number	Qty Req'd	
SHOCK ABSORBER			
Nitro Gas	12640GR	2	
Foam Cell	24640FE	2	
COIL SPRING			
	Additional Weight		
With Self Levelling	0-300kg	LAND008B	1
Non Self Levelling	0-300kg	LAND006B	1
Constant Load Non Self Levelling	300kg-GVM	LAND006C	1
BUSH KIT			
Product	Part Number	Qty Req'd	
Suspension Arm Bush Kit	Chassis No. Up to LA930434	821K	1
Suspension Arm Bush Kit	Chassis No. LA930435 On	811K	1

SUSPENSION KIT

Product	Part Number
Self Levelling with Gas Shocks	LAND005BKG
Self Levelling with Foam Cell Shocks	LAND005BKF
Non Self Levelling with Gas Shocks	LAND006BKG
Non Self Levelling with Foam Cell Shocks	LAND006BKF
Constant Load Non Self Levelling with Gas Shocks	LAND006CKG
Constant Load Non Self Levelling with Foam Cell Shocks	LAND006CKF

NOTE: Image above indicates kit contents.

NOTE: Defender 130: Re-Fit rear inner coil.



DISCOVERY I RANGEROVER

1989 - 1998

40mm Lift

1971 - 1995

40mm Lift

FRONT SUSPENSION

Product	Part Number	Qty Req'd	
SHOCK ABSORBER			
Nitro Gas	12080GR	2	
Foam Cell	24080FE	2	
COIL SPRING			
	Additional Weight		
Performance	0-50kg	LAND009B	1
Constant Load	50-110kg	LAND007B	1
STEERING DAMPER			
Foam Cell	3511	1	
OFFSET CASTER BUSH KIT			
2 Degree Offset Bush Kit	1986 On	1145SK	1

REAR SUSPENSION

Product	Part Number	Qty Req'd	
SHOCK ABSORBER			
Nitro Gas	12640GR	2	
Foam Cell	24640FE	2	
COIL SPRING			
	Additional Weight		
Performance	0-300kg	LAND011B	1
Constant Load	300kg-GVM	LAND011C	1

BUSH KIT

Product	Part Number	Qty Req'd	
Suspension Arm Bush Kit	Pre 1986	801K	1
Suspension Arm Bush Kit	1986 On	811K	1

SUSPENSION KIT

Product	Part Number
Performance with Gas Shocks	LAND009BKG
Performance with Foam Cell Shocks	LAND009BKF
Constant Load with Gas Shocks	LAND009CKG
Constant Load with Foam Cell Shocks	LAND009CKF

NOTE: Image above indicates kit contents.

DISCOVERY 2

SERIES 2, TD5

1999 - 2005

40mm Lift



FRONT SUSPENSION

Product	Part Number	Qty Req'd	
SHOCK ABSORBER			
Nitro Gas	12776GR	2	
Foam Cell	24776FE	2	
COIL SPRING			
	Additional Weight		
Performance	0-50kg	LAND014B	1
Constant Load	50-100kg	LAND009B	1
STEERING DAMPER			
Foam Cell	3502	1	

REAR SUSPENSION

Product	Part Number	Qty Req'd	
SHOCK ABSORBER			
Nitro Gas	12777GR	2	
Foam Cell	24777FE	2	
COIL SPRING			
	Additional Weight		
Performance	0-300kg	LAND011B	1
Constant Load	300kg-GVM	LAND011C	1

SUSPENSION KIT

Product	Part Number
Performance with Gas Shocks	LAND014BKG
Performance with Foam Cell Shocks	LAND014BKF
Constant Load with Gas Shocks	LAND014CKG
Constant Load with Foam Cell Shocks	LAND014CKF

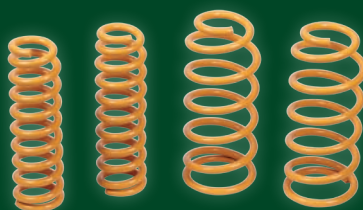
NOTE: Image above indicates kit contents.

DISCOVERY 3

COIL SPRING MODELS

2005 On

50mm Lift



FRONT SUSPENSION

Product	Part Number	Qty Req'd	
COIL SPRING			
	Additional Weight		
Performance	0-100kg	LAND019B	1

REAR SUSPENSION

Product	Part Number	Qty Req'd	
COIL SPRING			
	Additional Weight		
Performance	0-200kg	LAND020B	1



BRAVO / B SERIES

1987 - 2006

40mm Lift

FRONT SUSPENSION

Product	Part Number	Qty Req'd
SHOCK ABSORBER		
Nitro Gas	12667GR	2
Foam Cell	24667FE	2
SPRING		
Uprated Torsion Bar	MAZDA005	1
CONTROL ARM		
Uprated Lower Control Arm Left Side	LCA001LH	1
Uprated Lower Control Arm Right Side	LCA001RH	1

REAR SUSPENSION

Product	Part Number	Qty Req'd	
SHOCK ABSORBER			
Nitro Gas	12095GR	2	
Foam Cell	24095FE	2	
LEAF SPRING			
	Additional Weight		
Comfort	0-100kg	MAZDA006A	2
Performance	0-200kg	MAZDA006B	2
Constant Load	200-400kg	MAZDA006C	2
Mining	400kg-GVM	MAZDA006D	2
U-BOLTS			
U-Bolt Kit	415UBK	2	
POLYURETHANE SPRING BUSHES			
Complete Set	756UK	1	
GREASABLE SHACKLES & PINS			
Greasable Shackle	386-1	2	
Greasable Pin	794	2	

SUSPENSION KIT

Product	Part Number
Comfort with Gas Shocks	MAZDA006AKG
Comfort with Foam Cell Shocks	MAZDA006AKF
Performance with Gas Shocks	MAZDA006BKG
Performance with Foam Cell Shocks	MAZDA006BKF
Constant Load with Gas Shocks	MAZDA006CKG
Constant Load with Foam Cell Shocks	MAZDA006CKF
Mining with Gas Shocks	MAZDA006DKG
Mining with Foam Cell Shocks	MAZDA006DKF

NOTE: Image above indicates kit contents.

BT50

2006 - 2011

40mm Lift



FRONT SUSPENSION

Product	Part Number		Qty Req'd
SHOCK ABSORBER			
Nitro Gas	12667GR		2
Foam Cell	24667FE		2
SPRING			
Uprated Torsion Bar	Duratorq Engine	MAZDA014*	1
Uprated Torsion Bar	2.5L WLT Engine	MAZDA005*	1
CONTROL ARM			
Uprated Lower Control Arm	Left Side	LCA002LH	1
Uprated Lower Control Arm	Right Side	LCA002RH	1

REAR SUSPENSION

Product	Part Number		Qty Req'd
SHOCK ABSORBER			
Nitro Gas	12095GR		2
Foam Cell	24095FE		2
LEAF SPRING			
	Additional Weight		
Comfort	0-100kg	MAZDA041A	2
Performance	0-200kg	MAZDA041B	2
Constant Load	200-400kg	MAZDA041C	2
Mining	400kg-GVM	MAZDA041D	2
U-BOLTS			
U-Bolt Kit	417UBK		2
POLYURETHANE SPRING BUSHES			
Complete Set	759UK		1
GREASABLE SHACKLES & PINS			
Greasable Shackle	386-1		2

SUSPENSION KIT

Product	Part Number	Qty Req'd
Comfort with Gas Shocks	MAZDA041AKG	
Comfort with Foam Cell Shocks	MAZDA041AKF	
Performance with Gas Shocks	MAZDA041BKG	
Performance with Foam Cell Shocks	MAZDA041BKF	
Constant Load with Gas Shocks	MAZDA041CKG	
Constant Load with Foam Cell Shocks	MAZDA041CKF	
Mining Load with Gas Shocks	MAZDA041DKG	
Mining Load with Foam Cell Shocks	MAZDA041DKF	

NOTE: Image above indicates kit contents.

*MAZDA014 is 1024mm in length, used on most vehicles.
 Vehicles with 2.5L WLT Engine use MAZDA005 (924mm) Torsion Bar.
 Check length before ordering.



TRITON / L200

ME, MF, MG, MH, MJ

1993 - 1996

40mm Lift

FRONT SUSPENSION

Product	Part Number	Qty Req'd
SHOCK ABSORBER		
Nitro Gas	12082GR	2
Foam Cell	24082FE	2
SPRING		
Upated Torsion Bar	MITS015C	1
STEERING DAMPER		
Foam Cell	Non Power Steering Models Only 3517	1

REAR SUSPENSION

Product	Part Number	Qty Req'd
SHOCK ABSORBER		
Nitro Gas	Comfort Soft Ride 12698GRC	2
Nitro Gas	12698GR	2
Foam Cell	24698FE	2
LEAF SPRING Additional Weight		
Performance	0-300kg - Must use Ironman Bushes MITS018B	2
Constant Load	300kg-GVM - Must use Ironman Bushes MITS018C	2
U-BOLTS		
U-Bolt Kit	451UBK	2
POLYURETHANE SPRING BUSHES		
Complete Set	715TUK	1
GREASABLE SHACKLES & PINS		
Greasable Shackle	795	2
Non Greasable Pin	387-1	2

SUSPENSION KIT

Product	Part Number
Performance with Gas Shocks	MITS015BKG
Performance with Foam Cell Shocks	MITS015BKF
Constant Load with Gas Shocks	MITS015CKG
Constant Load with Foam Cell Shocks	MITS015CKF

NOTE: Image above indicates kit contents.

NOTE: Pre 1993 Models , See page 38.

TRITON / L200

MK
 1996-2005
 40mm Lift



FRONT SUSPENSION

Product	Part Number	Qty Req'd
SHOCK ABSORBER		
Nitro Gas	12087GR	2
Foam Cell	24087FE	2
SPRING		
Upated Torsion Bar	MITS015C	1
STEERING DAMPER		
Foam Cell	Non Power Steering Models Only 3517	1

REAR SUSPENSION

Product	Part Number	Qty Req'd	
SHOCK ABSORBER			
Nitro Gas	Comfort Soft Ride 12698GRC	2	
Nitro Gas	12698GR	2	
Foam Cell	24698FE	2	
LEAF SPRING			
Performance	0-300kg - Must use Ironman Bushes	MITS018B	2
Constant Load	300kg-GVM - Must use Ironman Bushes	MITS018C	2
U-BOLTS			
U-Bolt Kit	451UBK	2	
POLYURETHANE SPRING BUSHES			
Complete Set	715TUK	1	
GREASABLE SHACKLES & PINS			
Greasable Shackle	795	2	
Non Greasable Pin	387-1	2	

SUSPENSION KIT

Product	Part Number
Performance with Gas Shocks	MITS015BKG1
Performance with Foam Cell Shocks	MITS015BKF1
Constant Load with Gas Shocks	MITS015CKG1
Constant Load with Foam Cell Shocks	MITS015CKF1

NOTE: Image above indicates kit contents.



TRITON / L200

ML / MN
8/2005 On
40mm Lift*

FRONT SUSPENSION

Product		Part Number	Qty Req'd
SHOCK ABSORBER			
Nitro Gas	Height Adjustable Strut	12715GR	2
Foam Cell	Height Adjustable Strut	24715FE	2
COIL SPRING			
	Additional Weight		
Performance	0-80kg	MITSO40B	1
Constant Load / Diesel	80-120kg	MITSO40C	1
TRIM PACKER			
5mm Spacer	Ironman Struts Only	HILFR05 ^F	2
10mm Spacer	Ironman Struts Only	HILFR10 ^F	2
15mm Spacer	Ironman Struts Only	HILFR15 ^F	2

REAR SUSPENSION

Product		Part Number	Qty Req'd
SHOCK ABSORBER			
Nitro Gas	Comfort Soft Ride	12636GRC	2
Nitro Gas		12636GR	2
Foam Cell		24636FE	2
LEAF SPRING			
	Additional Weight		
Comfort	0-200kg - Must use Ironman Bushes	MITSO41A	2
Performance, *25mm Lift	0-300kg - Must use Ironman Bushes	MITSO41B	2
Constant Load	300kg-GVM - Must use Ironman Bushes	MITSO41C	2
U-BOLTS			
U-Bolt Kit		1102UBK	2
POLYURETHANE SPRING BUSHES			
Complete Set		715TUK	1
GREASABLE SHACKLES & PINS			
Greasable Shackle		795	2
Non Greasable Pin		387-1	2

SUSPENSION KIT

Product		Part Number	
Comfort with Gas Shocks	- Check Front Coil	MITSO41AKG	
Performance with Gas Shocks	- Check Front Coil	MITSO41BKG	
Performance with Foam Cell Shocks	- Check Front Coil	MITSO41BKF	
Constant Load with Gas Shocks	- Check Front Coil	MITSO41CKG	
Constant Load with Foam Cell Shocks	- Check Front Coil	MITSO41CKF	

^F HILFRx Add F after part number for Foam Cell Compatible.

NOTE: Image above indicates kit contents.

It is essential to select the correct front coil springs to maintain a minimum of 60mm downward suspension travel.

All unladen manual vehicles with two piece tailshaft must use MITSO41B Rear Leaf Spring.

PAJERO / MONTERO

NA - NG, TRITON L200

Leaf Springs Rear, 1983 - 1992

40mm Lift



FRONT SUSPENSION

Product	Part Number	Qty Req'd	
SHOCK ABSORBER			
Nitro Gas	Pre 6/1991	12082GR	2
Foam Cell	Pre 6/1991	24082FE	2
SPRING			
Upated Torsion Bar	MITS013		1
STEERING DAMPER			
Foam Cell	Non Power Steering Models Only	3517	1

REAR SUSPENSION

Product	Part Number	Qty Req'd	
SHOCK ABSORBER			
Nitro Gas	Comfort Soft Ride	12636GRC	2
Nitro Gas		12636GR	2
Foam Cell		24636FE	2
LEAF SPRING			
	Additional Weight		
Performance	0-300kg - Must use Ironman Bushes	MITS018B	2
Constant Load	300kg-GVM - Must use Ironman Bushes	MITS018C	2
U-BOLTS			
U-Bolt Kit	451UBK		2
POLYURETHANE SPRING BUSHES			
Complete Set	715UK		1
GREASABLE SHACKLES & PINS			
Greasable Shackle	795		2
Greasable Pin	796		2

SUSPENSION KIT

Product	Part Number
Performance with Gas Shocks	MITS018BKG1
Performance with Foam Cell Shocks	MITS018BKF1
Constant Load with Gas Shocks	MITS018CKG1
Constant Load with Foam Cell Shocks	MITS018CKF1

NOTE: Image above indicates kit contents.



PAJERO / MONTERO

NH-NL

Leaf Springs Rear, 1991 - 1999

40mm Lift

FRONT SUSPENSION

Product		Part Number	Qty Req'd
SHOCK ABSORBER			
Nitro Gas	7/1991 On	12087GR	2
Foam Cell	7/1991 On	24087FE	2
SPRING			
Uprated Torsion Bar	Check Length 1278mm	MITS013 ¹	1
Uprated Torsion Bar	Check Length 1308mm	MITS019 ²	1
STEERING DAMPER			
Foam Cell	Non Power Steering Models Only	3517	1

REAR SUSPENSION

Product		Part Number	Qty Req'd
SHOCK ABSORBER			
Nitro Gas	Comfort Soft Ride	12636GRC	2
Nitro Gas		12636GR	2
Foam Cell		24636FE	2
LEAF SPRING Additional Weight			
Performance	0-300kg - Must use Ironman Bushes	MITS018B	2
Constant Load	300kg-GVM - Must use Ironman Bushes	MITS018C	2
U-BOLTS			
U-Bolt Kit		451UBK	2
POLYURETHANE SPRING BUSHES			
Complete Set		715UK	1
GREASABLE SHACKLES & PINS			
Greasable Shackle		795	2
Greasable Pin		796	2

SUSPENSION KIT

Product		Part Number	
Performance with Gas Shocks	Check Torsion Bar Length	MITS018BKG2	
Performance with Foam Cell Shocks	Check Torsion Bar Length	MITS018BKF2	
Constant Load with Gas Shocks	Check Torsion Bar Length	MITS018CKG2	
Constant Load with Foam Cell Shocks	Check Torsion Bar Length	MITS018CKF2	

NOTE: Image above indicates kit contents.

¹ MITS013 suits 1988 - 1990 V6 Models & All Models 1991 - 1994

² MITS019 suits 1995-2000 All Models

PAJERO / MONTERO

NF, NG SWB & LWB

Coil Springs Rear, 1988 - 5/1991

40mm Lift



FRONT SUSPENSION

Product		Part Number	Qty Req'd
SHOCK ABSORBER			
Nitro Gas	Pre 5/1991	12082GR	2
Foam Cell	Pre 5/1991	24082FE	2
SPRING			
Uprated Torsion Bar	Check Length 1278mm	MITS013	1
Uprated Torsion Bar	Check Length 1308mm	MITS019	1
STEERING DAMPER			
Foam Cell	Non Power Steering Models Only	3517	1

REAR SUSPENSION

Product		Part Number	Qty Req'd
SHOCK ABSORBER			
Nitro Gas	Pre 5/1991	12645GR	2
Foam Cell	Pre 5/1991	24645FE	2
COIL SPRING			
	Additional Weight		
Performance SWB	0-250kg	MITS022B	1
Performance LWB	0-250kg	MITS020B	1

SUSPENSION KIT

Product		Part Number	
SWB with Gas Shocks	Check Torsion Bar Length	MITS022BKG1	
SWB with Foam Cell Shocks	Check Torsion Bar Length	MITS022BKF1	
LWB with Gas Shocks	Check Torsion Bar Length	MITS020BKG1	
LWB with Foam Cell Shocks	Check Torsion Bar Length	MITS020BKF1	

NOTE: Image above indicates kit contents.



PAJERO
 NH - NL, SWB & LWB
 Coil Springs Rear, 6/1991 - 2000
 40mm Lift

FRONT SUSPENSION

Product		Part Number	Qty Req'd
SHOCK ABSORBER			
Nitro Gas	6/1991 On	12087GR	2
Foam Cell	6/1991 On	24087FE	2
SPRING			
Uprated Torsion Bar	Check Length 1278mm ¹	MITS013	1
Uprated Torsion Bar	Check Length 1308mm ²	MITS019	1
STEERING DAMPER			
Foam Cell	Non Power Steering Models Only	3517	1

REAR SUSPENSION

Product		Part Number	Qty Req'd
SHOCK ABSORBER			
Nitro Gas	6/1991 On	12646GR	2
Foam Cell	6/1991 On	24646FE	2
COIL SPRING			
	Additional Weight		
Performance SWB	0-250kg	MITS022B	1
Performance LWB	0-250kg	MITS020B	1

SUSPENSION KIT

Product		Part Number	
SWB with Gas Shocks	Check Torsion Bar Length	MITS022BKG2	
SWB with Foam Cell Shocks	Check Torsion Bar Length	MITS022BKF2	
LWB with Gas Shocks	Check Torsion Bar Length	MITS020BKG2	
LWB with Foam Cell Shocks	Check Torsion Bar Length	MITS020BKF2	

NOTE: Image above indicates kit contents.

¹ MITS013 suits LWB Models 1991 - 1994

² MITS019 suits LWB Models 1995 - 2000

SWB Models: Always Check Length

PAJERO / MONTERO

NM, NP, NS, NT
 SWB & LWB 2000 On
 40mm Lift



FRONT SUSPENSION

Product		Part Number	Qty Req'd
SHOCK ABSORBER			
Nitro Gas	Strut	12713GR	2
Foam Cell	Strut	24713FE	2
COIL SPRING			
	Additional Weight		
Petrol	0-50kg	MITS038B	1
Constant Load or Diesel	50-100kg	MITS038C	1

REAR SUSPENSION

Product		Part Number	Qty Req'd
SHOCK ABSORBER			
Nitro Gas		12714GR	2
COIL SPRING			
	Additional Weight		
Performance SWB	0-200kg	MITS039A	1
Performance LWB	0-200kg	MITS039B	1
Constant Load LWB	200 - 400kg	MITS039C	1

SUSPENSION KIT

Product	Part Number
SWB with Gas Shocks	MITS038AKG
LWB Petrol with Gas Shocks	MITS038BKG
LWB Diesel with Gas Shocks	MITS038CKG
Constant Load Petrol LWB with Gas Shocks	MITS038CKG1
Constant Load Diesel LWB with Gas Shocks	MITS038CKG2

NOTE: Image above indicates kit contents.

NOTE: Vehicles with Monocoque body construction can be subject to increased NVH (Noise) with upgraded suspension installed.

It is essential to select the correct front coil springs to maintain a minimum of 60mm downward suspension travel.



CHALLENGER
MONTERO SPORT PA
 Leaf Springs Rear, 1998 - 2006
 40mm Lift

FRONT SUSPENSION

Product	Part Number	Qty Req'd
SHOCK ABSORBER		
Nitro Gas	12087GR	2
Foam Cell	24087FE	2
SPRING		
Upated Torsion Bar	MITSO19	1

REAR SUSPENSION

Product	Part Number	Qty Req'd
SHOCK ABSORBER		
Nitro Gas Comfort Soft Ride	12636GRC	2
Nitro Gas	12636GR	2
Foam Cell	24636FE	2
LEAF SPRING Additional Weight		
Performance 0-300kg - Must use Ironman Bushes	MITSO18B	2
Constant Load 300kg-GVM - Must use Ironman Bushes	MITSO18C	2
U-BOLTS		
U-Bolt Kit	451UBK	2
POLYURETHANE SPRING BUSHES		
Complete Set	715STUK	1
GREASABLE SHACKLES & PINS		
Greasable Shackle	795	2
SUSPENSION KIT		
Product	Part Number	
Performance with Gas Shocks	MITSO18BKG	
Performance with Foam Cell Shocks	MITSO18BKF	
Constant Load with Gas Shocks	MITSO18CKG	
Constant Load with Foam Cell Shocks	MITSO18CKF	

NOTE: Image above indicates kit contents.

CHALLENGER
PA MONTERO SPORT
 Coil Springs Rear, 1998 - 2006
 40mm Lift



FRONT SUSPENSION

Product	Part Number	Qty Req'd
SHOCK ABSORBER		
Nitro Gas	12087GR	2
Foam Cell	24087FE	2
SPRING		
Upated Torsion Bar	MITS019	1

REAR SUSPENSION

Product	Part Number	Qty Req'd
SHOCK ABSORBER		
Nitro Gas	Coil Spring Models 12645GR	2
Foam Cell	Coil Spring Models 24645FE	2
COIL SPRING		
	Additional Weight	
Performance	0-250kg MITS022B	1
Constant Load	250kg-GVM MITS020B	1

SUSPENSION KIT

Product	Part Number
Performance with Gas Shocks	MITS022BKG
Performance with Foam Cell Shocks	MITS022BKF
Constant Load with Gas Shocks	MITS020BKG
Constant Load with Foam Cell Shocks	MITS020BKF

NOTE: Image above indicates kit contents.



CHALLENGER
PAJERO SPORT / MONTERO SPORT
2009 On
40mm Lift*

FRONT SUSPENSION

Product		Part Number	Qty Req'd
SHOCK ABSORBER			
Nitro Gas	Height Adjustable Strut	12715GR	2
Foam Cell	Height Adjustable Strut	24715FE	2
COIL SPRING			
	Additional Weight		
Performance	0-80kg	MITS040B	1
Constant Load / Diesel	80-120kg	MITS040C	1
TRIM PACKER			
5mm Spacer	Ironman Struts Only	HILFR05 ^F	2
10mm Spacer	Ironman Struts Only	HILFR10 ^F	2
15mm Spacer	Ironman Struts Only	HILFR15 ^F	2

REAR SUSPENSION

Product		Part Number	Qty Req'd
SHOCK ABSORBER			
Nitro Gas		12645GR	2
COIL SPRING			
	Additional Weight		
Comfort	0-250kg *20mm Lift	MITS042A	1
Performance	0-250kg	MITS042B	1
Constant Load	250kg-GVM	MITS020B	1

SUSPENSION KIT

Product	Part Number
Comfort with Gas Shocks	MITS042AKG
Performance with Gas Shocks	MITS042BKG
Constant Load with Gas Shocks	MITS042CKG

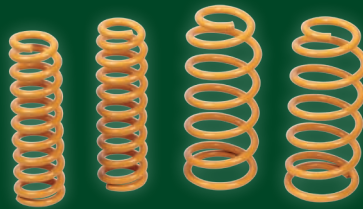
^F HILFRx Add F after part number for Foam Cell Compatible.

NOTE: MITS042A Coil provides 20mm lift to level vehicle.

NOTE: Image above indicates kit contents.

PAJERO / MONTERO

iO QA
1999 On



FRONT SUSPENSION

Product	Part Number	Qty Req'd
COIL SPRING	Additional Weight	
Performance	0-50kg	1
	MITS034B	

REAR SUSPENSION

Product	Part Number	Qty Req'd
COIL SPRING	Additional Weight	
Performance	0-200kg	1
	MITS035B	



DELICA

L400

5/1994 On

40mm Lift

MITSUBISHI

FRONT SUSPENSION

Product	Part Number	Qty Req'd	
SHOCK ABSORBER			
Nitro Gas	12667GR	2	
Foam Cell	24667FE	2	
SPRING			
Upated Torsion Bar	5/1994 - 5/1999	MITS031	1

REAR SUSPENSION

Product	Part Number	Qty Req'd	
SHOCK ABSORBER			
Nitro Gas	Without Electronic Suspension	12698GR	2
Nitro Gas	With Electronic Suspension	12671GR	2
COIL SPRING			
Performance	Additional Weight 0-250kg	MITS025B	1

SUSPENSION KIT

Product	Part Number
Performance with Gas Shocks - Without ECS	MITS031BKG
Performance with Gas Shocks - With ECS	MITS031BKG1

NOTE: Image above indicates kit contents.

NOTE: Ironman Shock Absorber does not reconnect to ECS system.

PATROL
MQ G160
 Round Headlights, Pre 1984
 45mm Lift



FRONT SUSPENSION

Product		Part Number	Qty Req'd
SHOCK ABSORBER			
Nitro Gas		12075GR	2
LEAF SPRING			
	Additional Weight		
Performance Drivers Side	0-50kg	NISS003BD/S	1
Performance Near Side	0-50kg	NISS003BN/S	1
STEERING DAMPER			
Foam Cell		3522	1
U-BOLTS			
U-Bolt Kit	Drivers Side	452UBK	1
U-Bolt Kit	Near Side	451UBK	1
POLYURETHANE SPRING BUSHES			
Complete Set		721UK	1
GREASABLE SHACKLES & PINS			
Greasable Shackle	Straight Side Plates	355K	2
Greasable Pin		470	2

REAR SUSPENSION

Product		Part Number	Qty Req'd
SHOCK ABSORBER			
Nitro Gas		12076GR	2
LEAF SPRING			
	Additional Weight		
Performance Drivers Side	0-200kg	NISS004BD/S	1
Performance Near Side	0-200kg	NISS004BN/S	1
U-BOLTS			
U-Bolt Kit		453UBK	2
POLYURETHANE SPRING BUSHES			
Complete Set		722UK	1
GREASABLE SHACKLES & PINS			
Greasable Shackle		664	2
Greasable Pin		470	2

SUSPENSION KIT

Product	Part Number
Performance with Gas Shocks	NISS003BKG

NOTE: Image above indicates kit contents.



PATROL

MK G160

Square Headlights, 1984 - 1988

45mm Lift

NISSAN

FRONT SUSPENSION

Product		Part Number	Qty Req'd
SHOCK ABSORBER			
Nitro Gas		12075GR	2
LEAF SPRING			
	Additional Weight		
Performance Drivers Side	0-50kg	NISS005BD/S	1
Performance Near Side	0-50kg	NISS005BN/S	1
STEERING DAMPER			
Foam Cell		3522	1
U-BOLTS			
U-Bolt Kit	Drivers Side	452UBK	1
U-Bolt Kit	Near Side	451UBK	1
POLYURETHANE SPRING BUSHES			
Complete Set		724UK	1
GREASABLE SHACKLES & PINS			
Greasable Shackle	Stepped Side Plates	665	2
Greasable Pin		470	2

REAR SUSPENSION

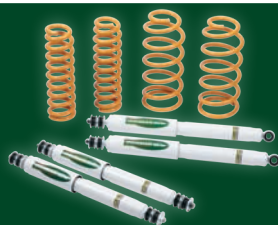
Product		Part Number	Qty Req'd
SHOCK ABSORBER			
Nitro Gas		12076GR	2
LEAF SPRING			
	Additional Weight		
Performance Drivers Side	0-200kg	NISS004BD/S	1
Performance Near Side	0-200kg	NISS004BN/S	1
U-BOLTS			
U-Bolt Kit		453UBK	2
POLYURETHANE SPRING BUSHES			
Complete Set		722UK	1
GREASABLE SHACKLES & PINS			
Greasable Shackle		664	2
Greasable Pin		470	2

SUSPENSION KIT

Product	Part Number
Performance with Gas Shocks	NISS005BKG

NOTE: Image above indicates kit contents.

PATROL
GQ Y60 SWB WAGON
 1988 - 1998
 45mm Lift



FRONT SUSPENSION

Product		Part Number	Qty Req'd
SHOCK ABSORBER			
Nitro Gas		12091GR	2
Foam Cell		24091FE	2
COIL SPRING			
	Additional Weight		
Performance	0-50kg	NISS007B	1
Constant Load	50-110kg	NISS009B	1
STEERING DAMPER			
Foam Cell	Pre 8/1989	3534	1
Foam Cell	Post 8/1989	3536	1
OFFSET CASTER BUSH KIT			
Offset Bush Kit	2 Degree	1144SK	1
SPACERS & RODS			
Crossmember Spacer Kit		1002K	1
Adjustable Drag Link		ADL003	1
Adjustable Panhard Rod	RHD	PANHARD003	1
Adjustable Panhard Rod	LHD	PANHARD008	1
Extended Sway Bar Link	0 - 3" Lift	SBEXT006	2
15mm Coil Spring Trim Packer		PATF15	2
30mm Coil Spring Trim Packer		PATF30	2

REAR SUSPENSION

Product		Part Number	Qty Req'd
SHOCK ABSORBER			
Nitro Gas		12094GR	2
Foam Cell		24094FE	2
COIL SPRING			
	Additional Weight		
Performance	0-200kg	NISS008B	1
Constant Load	200kg-GVM	NISS010B	1
SPACERS & RODS			
Adjustable Panhard Rod		PANHARD004	1
Extended Sway Bar Link	0 - 3" Lift	SBEXT006	2
15mm Coil Spring Trim Packer	Ride Height +10mm	PATR15	2
30mm Coil Spring Trim Packer	Ride Height +25mm	PATR30	2

BUSH KIT

Product		Part Number	Qty Req'd
Suspension Arm Bush Kit	Pre 1989	831K	1
Suspension Arm Bush Kit	1989 On	839K	1

SUSPENSION KIT

Product	Part Number
Performance with Gas Shocks	NISS007BKG
Performance with Foam Cell Shocks	NISS007BKF
Constant Load with Gas Shocks	NISS009BKG
Constant Load with Foam Cell Shocks	NISS009BKF



PATROL
GQ Y60 LWB WAGON
1988 - 1998
50mm Lift

NISSAN

FRONT SUSPENSION

Product		Part Number	Qty Req'd
SHOCK ABSORBER			
Nitro Gas		12091GR	2
Foam Cell		24091FE	2
COIL SPRING			
	Additional Weight		
Performance	0-50kg	NISS009B	1
Constant Load	50-110kg	NISS009C	1
STEERING DAMPER			
Foam Cell	Pre 8/1989	3534	1
Foam Cell	Post 8/1989	3536	1
OFFSET CASTER BUSH KIT			
Offset Bush Kit	2 Degree	1144SK	1
SPACERS & RODS			
Crossmember Spacer Kit		1002K	1
Adjustable Drag Link		ADL003	1
Adjustable Panhard Rod	RHD	PANHARD003	1
Adjustable Panhard Rod	LHD	PANHARD008	1
Extended Sway Bar Link	0 - 3" Lift	SBEXT006	2
15mm Coil Spring Trim Packer		PATF15	2
30mm Coil Spring Trim Packer		PATF30	2

REAR SUSPENSION

Product		Part Number	Qty Req'd
SHOCK ABSORBER			
Nitro Gas		12094GR	2
Foam Cell		24094FE	2
COIL SPRING			
	Additional Weight		
Performance	0-200kg	NISS010B	1
Constant Load	200-400kg	NISS010C	1
Extra Constant Load	400-500kg	NISS020C	1
Mining	500kg-GVM	NISS020D	1
SPACERS & RODS			
Adjustable Panhard Rod		PANHARD004	1
Extended Sway Bar Link	0 - 3" Lift	SBEXT006	2
15mm Coil Spring Trim Packer	Ride Height +10mm	PATR15	2
30mm Coil Spring Trim Packer	Ride Height +25mm	PATR30	2

BUSH KIT

Product		Part Number	Qty Req'd
Suspension Arm Bush Kit	Pre 1989	831K	1
Suspension Arm Bush Kit	1989 On	839K	1

SUSPENSION KIT

Product	Part Number
Performance with Gas Shocks	NISS009BKG
Performance with Foam Cell Shocks	NISS009BKF
Constant Load with Gas Shocks	NISS009CKG
Constant Load with Foam Cell Shocks	NISS009CKF
Extra Constant Load with Gas Shocks	NISS020CKG
Extra Constant Load with Foam Cell Shocks	NISS020CKF
Mining with Gas Shocks	NISS024DKG
Mining with Foam Cell Shocks	NISS024DKF

NOTE: For competition vehicle / big lift applications - see Page 102.

PATROL
GQ Y60 CAB CHASSIS AND UTE
Leaf Springs Front & Rear, 1988 On
50mm Lift



FRONT SUSPENSION

Product		Part Number	Qty Req'd
SHOCK ABSORBER			
Nitro Gas		12661GR	2
Foam Cell		24661FE	2
LEAF SPRING			
	Additional Weight		
Drivers Side	0-110kg	NISS011CD/S	1
Near Side	0-110kg	NISS011CN/S	1
STEERING DAMPER			
Foam Cell		3522	1
U-BOLTS			
U-Bolt Kit	Drivers Side	669UBK	1
U-Bolt Kit	Near Side	668UBK	1
POLYURETHANE SPRING BUSHES			
Complete Set		718UK	1
GREASABLE SHACKLES & PINS			
Greasable Shackle	Right Side	353LH	1
Greasable Shackle	Left Side	353RH	1
Greasable Pin		667	2

REAR SUSPENSION

Product		Part Number	Qty Req'd
SHOCK ABSORBER			
Nitro Gas		12648GR	2
Foam Cell		24648FE	2
LEAF SPRING			
	Additional Weight		
Drivers Side	0-400kg	NISS012CD/S	1
Near Side	0-400kg	NISS012CN/S	1
Mining Drivers Side	400kg-GVM	NISS012DD/S	1
Mining Near Side	400kg-GVM	NISS012DN/S	1
U-BOLTS			
U-Bolt Kit		670UBK	2
POLYURETHANE SPRING BUSHES			
Complete Set		719UK	1
GREASABLE SHACKLES & PINS			
Greasable Shackle	Left Side	353LH	1
Greasable Shackle	Right Side	353RH	1
Greasable Pin		667	2

SUSPENSION KIT

Product	Part Number
Constant Load with Gas Shocks	NISS011CKG
Constant Load with Foam Cell Shocks	NISS011CKF
Mining with Gas Shocks	NISS011DKG
Mining with Foam Cell Shocks	NISS011DKF

NOTE: Image above indicates kit contents.



PATROL
GU Y61 WAGON
1997 On
50mm Lift

NISSAN

FRONT SUSPENSION

Product		Part Number	Qty Req'd
SHOCK ABSORBER			
Nitro Gas		12091GR	2
Foam Cell		24091FE	2
COIL SPRING			
	Additional Weight		
Performance	0-50kg	NISS024B	1
Constant Load	50-110kg	NISS009C	1
STEERING DAMPER			
Foam Cell	Pre 2/2000	3511	1
Foam Cell	2/2000 On	3501	1
OFFSET CASTER BUSH KIT			
Offset Bush Kit	2 Degree	1144SK	1
SPACERS & RODS			
Adjustable Drag Link	GU Only	ADL005	1
Adjustable Panhard Rod	RHD / Pre 2/2000	PANHARD003	1
Adjustable Panhard Rod	RHD / 2/2000 On	PANHARD005	1
Adjustable Panhard Rod	LHD / Pre 2/2000	PANHARD008	1
Adjustable Panhard Rod	LHD / 2/2000 On	PANHARD009	1
Extended Sway Bar Link	0 - 3" Lift	SBEXT006	2
15mm Coil Spring Trim Packer		PATF15	2
30mm Coil Spring Trim Packer		PATF30	2

REAR SUSPENSION

Product		Part Number	Qty Req'd
SHOCK ABSORBER			
Nitro Gas		12094GR	2
Foam Cell		24094FE	2
COIL SPRING			
	Additional Weight		
Performance	0-200kg	NISS010C	1
Constant Load	200-400kg	NISS020C	1
Extra Constant Load	400kg-GVM	NISS020D	1
SPACERS & RODS			
Adjustable Panhard Rod	Pre 2/2000	PANHARD004	1
Adjustable Panhard Rod	2/2000 On	PANHARD006	1
Extended Sway Bar Link	0 - 3" Lift / Right Side	SBEXT006*	1
Extended Sway Bar Link	0 - 3" Lift / Left Side	SBEXT007*	1
15mm Coil Spring Trim Packer	Ride Height +10mm	PATR15	2
30mm Coil Spring Trim Packer	Ride Height +25mm	PATR30	2

SUSPENSION KIT

Product	Part Number
Performance with Gas Shocks	NISS024CKG
Performance with Foam Cell Shocks	NISS024CKF
Constant Load with Gas Shocks	NISS037CKG
Constant Load with Foam Cell Shocks	NISS037CKF
Extra Constant Load with Gas Shocks	NISS037DKG
Extra Constant Load with Foam Cell Shocks	NISS037DKF

***IMPORTANT:** Pre 2/2000 Models, check your rear sway bar link configuration.

NOTE: Image above indicates kit contents.

NOTE: For competition vehicle / big lift applications - see Page 102.

PATROL

GU Y61 CAB CHASSIS AND UTE
Coil Springs & Leaf Springs, 1997 On
50mm Lift



FRONT SUSPENSION

Product		Part Number	Qty Req'd
SHOCK ABSORBER			
Nitro Gas		12091GR	2
Foam Cell		24091FE	2
COIL SPRING			
	Additional Weight		
Performance	0-50kg	NISS024B	1
Constant Load	50-110kg	NISS009C	1
STEERING DAMPER			
Foam Cell		3511	1
OFFSET CASTER BUSH KIT			
Offset Bush Kit	2 Degree	1144SK	1
SPACERS & RODS			
Adjustable Drag Link		ADL003	1
Adjustable Panhard Rod	RHD	PANHARD003	1
Adjustable Panhard Rod	LHD	PANHARD008	1
Extended Sway Bar Link	0 - 3" Lift	SBEXT006	2
15mm Coil Spring Trim Packer		PATF15	2
30mm Coil Spring Trim Packer		PATF30	2

REAR SUSPENSION

Product		Part Number	Qty Req'd
SHOCK ABSORBER			
Nitro Gas		12648GR	2
Foam Cell		24648FE	2
LEAF SPRING			
	Additional Weight		
Drivers Side	0-400kg	NISS012CD/S	1
Near Side	0-400kg	NISS012CN/S	1
Mining Drivers Side	400kg-GVM	NISS012DD/S	1
Mining Near Side	400kg-GVM	NISS012DN/S	1
U-BOLTS			
U-Bolt Kit		1100UBK	2
U-Bolt Kit	Suit NISS012D Leaf Springs	1100UBKL	2
POLYURETHANE SPRING BUSHES			
Complete Set		719UK	1
GREASABLE SHACKLES & PINS			
Greasable Shackle	Left Side	353LH	1
Greasable Shackle	Right Side	353RH	1
Greasable Pin		667	2

SUSPENSION KIT

Product	Part Number
Performance with Gas Shocks	NISS036CKG
Performance with Foam Cell Shocks	NISS036CKF
Mining with Gas Shocks	NISS036DKG
Mining with Foam Cell Shocks	NISS036DKF

NOTE: Image above indicates kit contents.



PATROL
GU Y61 CAB CHASSIS AND UTE
 Coil Springs Front & Rear, 1997 On
 50mm Lift

FRONT SUSPENSION

Product		Part Number	Qty Req'd
SHOCK ABSORBER			
Nitro Gas		12091GR	2
Foam Cell		24091FE	2
COIL SPRING			
	Additional Weight		
Performance	0-50kg	NISS024B	1
Constant Load	50-110kg	NISS009C	1
STEERING DAMPER			
Foam Cell		3511	1
OFFSET CASTER BUSH KIT			
Offset Bush Kit	2 Degree	1144SK	1
SPACERS & RODS			
Adjustable Drag Link		ADL003	1
Adjustable Panhard Rod	RHD	PANHARD003	1
Adjustable Panhard Rod	LHD	PANHARD008	1
Extended Sway Bar Link	0 - 3" Lift	SBEXT006	2
15mm Coil Spring Trim Packer		PATF15	2
30mm Coil Spring Trim Packer		PATF30	2

REAR SUSPENSION

Product		Part Number	Qty Req'd
SHOCK ABSORBER			
Nitro Gas		12094GR	2
Foam Cell		24094FE	2
COIL SPRING			
	Additional Weight		
Performance	0-300kg	NISS020B	1
Constant Load	300-400kg	NISS020C	1
Mining	400kg-GVM	NISS020D	1
SPACERS & RODS			
Adjustable Panhard Rod		PANHARD004	1
Extended Sway Bar Link	0 - 3" Lift	SBEXT006	2
15mm Coil Spring Trim Packer	Ride Height +10mm	PATR15	2
30mm Coil Spring Trim Packer	Ride Height +25mm	PATR30	2

SUSPENSION KIT

Product	Part Number
Performance with Gas Shocks	NISS037BKG
Performance with Foam Cell Shocks	NISS037BKF
Constant Load with Gas Shocks	NISS037CKG
Constant Load with Foam Cell Shocks	NISS037CKF
Mining with Gas Shocks	NISS037DKG
Mining with Foam Cell Shocks	NISS037DKF

NOTE: Image above indicates kit contents.

NOTE: For competition vehicle / big lift applications - see Page 102.

NISSAN PATROL

Y62

2009 On

50mm Lift



FRONT SUSPENSION

Product		Part Number	Qty Req'd
SHOCK ABSORBER			
Nitro Gas (40mm Piston)	Height Adjustable Strut	12740GR	2
Foam Cell	Height Adjustable Strut	24740FE	2
COIL SPRING			
	Additional Weight		
Performance	0-50kg	NISS045B	1
Constant Load	50-110kg	NISS045C	1
TRIM PACKER			
5mm Spacer	Ironman Struts Only	HILFR05F	2
10mm Spacer	Ironman Struts Only	HILFR10F	2
15mm Spacer	Ironman Struts Only	HILFR15F	2

REAR SUSPENSION

Product		Part Number	Qty Req'd
SHOCK ABSORBER			
Nitro Gas		12742GR	2
Foam Cell		24742FE	2
COIL SPRING			
	Additional Weight		
Performance	0-300kg	NISS046B	1
Constant Load	300kg-GVM	NISS046C	1

SUSPENSION KIT

Product	Part Number
Performance with Gas Shocks	NISS045BKG
Performance with Foam Cell Shocks	NISS045BKF
Constant Load with Gas Shocks	NISS045CKG
Constant Load with Foam Cell Shocks	NISS045CKF

NOTE: Image above indicates kit contents.



PATHFINDER & TERRANO / II

WD21, R20
1987 - 1995
40mm Lift

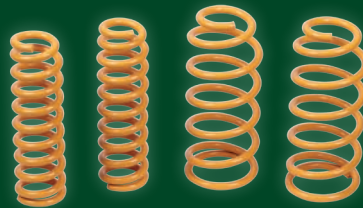
FRONT SUSPENSION

Product	Part Number	Qty Req'd
SHOCK ABSORBER		
Nitro Gas	12667GR	2
Foam Cell	24667FE	2
SPRING		
Upated Torsion Bar	NISS017	1
STEERING DAMPER		
Foam Cell	Equipped Models Only 3535	1

REAR SUSPENSION

Product	Part Number	Qty Req'd
SHOCK ABSORBER		
Nitro Gas	Comfort Soft Ride 12636GRC	2
Nitro Gas	12636GR	2
Foam Cell	24636FE	2
COIL SPRING		
Performance	Additional Weight 0-250kg NISS018B	1
SUSPENSION KIT		
Performance with Gas Shocks	NISS018BKG	
Performance with Foam Cell Shocks	NISS018BKF	

NOTE: Image above indicates kit contents.



PATHFINDER

R50
1995 On
35mm Lift

FRONT SUSPENSION

Product	Part Number	Qty Req'd
COIL SPRING		
Performance	Additional Weight 0-50kg NISS034B	1

REAR SUSPENSION

Product	Part Number	Qty Req'd
COIL SPRING		
Performance	Additional Weight 0-200kg NISS035B	1

PATHFINDER

R51
7/2005 On
40mm Lift



FRONT SUSPENSION

Product		Part Number	Qty Req'd
SHOCK ABSORBER			
Nitro Gas	Height Adjustable Strut	12716GR	2
Foam Cell	Height Adjustable Strut	24716FE	2
COIL SPRING			
	Additional Weight		
Performance	0-50kg	NISS040B	1
Constant Load	50-110kg	NISS040C	1
TRIM PACKER			
5mm Spacer	Ironman Struts Only	HILFR05 ^F	2
10mm Spacer	Ironman Struts Only	HILFR10 ^F	2
15mm Spacer	Ironman Struts Only	HILFR15 ^F	2

REAR SUSPENSION

Product		Part Number	Qty Req'd
SHOCK ABSORBER			
Nitro Gas		12718GR	2
Foam Cell		24718FE	2
COIL SPRING			
	Additional Weight		
Performance	0-250kg	NISS042B	1
Constant Load	250kg-GVM	NISS042C	1

SUSPENSION KIT

Product		Part Number	
Performance with Gas Shocks	- Check Front Coil	NISS042BKG	
Performance with Foam Cell Shocks	- Check Front Coil	NISS042BKF	
Constant Load with Gas Shocks	- Check Front Coil	NISS042CKG	
Constant Load with Foam Cell Shocks	- Check Front Coil	NISS042CKF	

^F HILFRx Add F after part number for Foam Cell Compatible.

NOTE: Image above indicates kit contents.

**Unnecessary fitment of Trim Packers may lift vehicle too high.
It is also essential to select the correct front coil springs to maintain a minimum of 60mm downward suspension travel.**



NAVARA

D21

1985 - 1996

40mm Lift

FRONT SUSPENSION

Product	Part Number	Qty Req'd
SHOCK ABSORBER		
Nitro Gas	12087GR	2
Foam Cell	24087FE	2
SPRING		
Upated Torsion Bar	NISS013	1

REAR SUSPENSION

Product	Part Number	Qty Req'd	
SHOCK ABSORBER			
Nitro Gas	Comfort Soft Ride	12636GRC	2
Nitro Gas		12636GR	2
Foam Cell		24636FE	2
LEAF SPRING			
	Additional Weight		
Comfort Drivers Side	0-100kg	NISS014AD/S	1
Comfort Near Side	0-100kg	NISS014AN/S	1
Performance Drivers Side	0-250kg	NISS014BD/S	1
Performance Near Side	0-250kg	NISS014BN/S	1
Constant Load Drivers Side	250kg-GVM	NISS014CD/S	1
Constant Load Near Side	250kg-GVM	NISS014CN/S	1
U-BOLTS			
U-Bolt Kit	788UBK	2	
POLYURETHANE SPRING BUSHES			
Complete Set	704UK	1	
GREASABLE SHACKLES & PINS			
Greasable Shackle	797	2	
Greasable Pin	798	2	

SUSPENSION KIT

Product	Part Number
Comfort with Gas Shocks	NISS014AKG
Comfort with Foam Cell Shocks	NISS014AKF
Performance with Gas Shocks	NISS014BKG
Performance with Foam Cell Shocks	NISS014BKF
Constant Load with Gas Shocks	NISS014CKG
Constant Load with Foam Cell Shocks	NISS014CKF

NOTE: Image above indicates kit contents.

NAVARA

D22

1997 On

40mm Lift



FRONT SUSPENSION

Product	Part Number	Qty Req'd
SHOCK ABSORBER		
Nitro Gas	12791GR	2
SPRING		
Uprated Torsion Bar	NISS025	1

REAR SUSPENSION

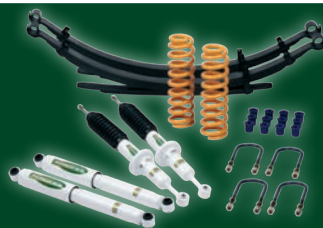
Product	Part Number	Qty Req'd	
SHOCK ABSORBER			
Nitro Gas	Comfort Soft Ride	12636GRC	2
Nitro Gas		12636GR	2
LEAF SPRING			
	Additional Weight		
Comfort Drivers Side	0-100kg	NISS014AD/S	1
Comfort Near Side	0-100kg	NISS014AN/S	1
Performance Drivers Side	0-250kg	NISS014BD/S	1
Performance Near Side	0-250kg	NISS014BN/S	1
Constant Load Drivers Side	250kg-GVM	NISS014CD/S	1
Constant Load Near Side	250kg-GVM	NISS014CN/S	1
U-BOLTS			
U-Bolt Kit		788UBK	2
POLYURETHANE SPRING BUSHES			
Complete Set		704UK	1
GREASABLE SHACKLES & PINS			
Greasable Shackle		797	2
Greasable Pin		798	2

SUSPENSION KIT

Product	Part Number
Comfort with Gas Shocks	NISS025AKG
Performance with Gas Shocks	NISS025BKG
Constant Load with Gas Shocks	NISS025CKG

NOTE: Image above indicates kit contents.

**Upper Control Arm may contact with Front Shock Absorber.
It may be necessary to grind away a small amount of material from the
Control Arm to create more clearance.**



NAVARA

D40

2005 On

40mm Lift

NISSAN

FRONT SUSPENSION

Product		Part Number	Qty Req'd
SHOCK ABSORBER			
Nitro Gas	Height Adjustable Strut	12716GR	2
Foam Cell	Height Adjustable Strut	24716FE	2
COIL SPRING			
	Additional Weight		
Performance	0-50kg	NISS040B	1
Constant Load	50-110kg	NISS040C	1
TRIM PACKER			
5mm Spacer	Ironman Struts Only	HILFR05 ^F	2
10mm Spacer	Ironman Struts Only	HILFR10 ^F	2
15mm Spacer	Ironman Struts Only	HILFR15 ^F	2

REAR SUSPENSION

Product		Part Number	Qty Req'd
SHOCK ABSORBER			
Nitro Gas		12717GR	2
Foam Cell		24717FE	2
LEAF SPRING			
	Additional Weight		
Performance	0-300kg	NISS041B	2
Constant Load	300kg-500kg	NISS041C	2
Mining	500kg-GVM	NISS041D	2
U-BOLTS			
U-Bolt Kit		437UBK	2
U-Bolt Kit	Suit NISS041D Spring	678UBK	2
POLYURETHANE SPRING BUSHES			
Complete Set		769UK	1
GREASABLE SHACKLES & PINS			
Greasable Shackle		797-1	2

SUSPENSION KIT

Product		Part Number	
Performance with Gas Shocks	- Check Front Coil	NISS041BKG	
Performance with Foam Cell Shocks	- Check Front Coil	NISS041BKF	
Constant Load with Gas Shocks	- Check Front Coil	NISS041CKG	
Constant Load with Foam Cell Shocks	- Check Front Coil	NISS041CKF	
Mining with Gas Shocks	- Check Front Coil	NISS041DKG	
Mining with Foam Cell Shocks	- Check Front Coil	NISS041DKF	

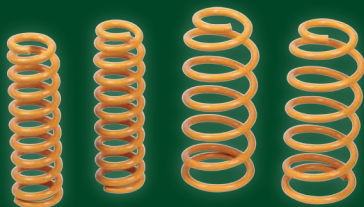
^F HILFRx Add F after part number for Foam Cell Compatible.

NOTE: Image above indicates kit contents.

Unnecessary fitment of Trim Packers may lift vehicle too high. It is also essential to select the correct front coil springs to maintain a minimum of 60mm downward suspension travel.

XTRAIL

T30
2001 - 9/2007
35mm Lift



FRONT SUSPENSION

Product	Part Number	Qty Req'd
COIL SPRING	Additional Weight	
Performance	0-50kg	1
	NISS038B	

REAR SUSPENSION

Product	Part Number	Qty Req'd
COIL SPRING	Additional Weight	
Performance	0-200kg	1
	NISS039B	



PALADIN

Pre 2005

45mm Lift

FRONT SUSPENSION

Product	Part Number	Qty Req'd
SHOCK ABSORBER		
Nitro Gas	12791GR	2
SPRING		
Upated Torsion Bar	NISS048	1

REAR SUSPENSION

Product	Part Number	Qty Req'd	
SHOCK ABSORBER			
Nitro Gas	Comfort Soft Ride	12698GRC	2
Nitro Gas		12698GR	2
LEAF SPRING			
Performance	Additional Weight 0-250kg	NISS049B	2
U-BOLTS			
U-Bolt Kit		654UBK	2
POLYURETHANE SPRING BUSHES			
Complete Set	Must use 797-2 Shackle	769UKL	1
GREASABLE SHACKLES & PINS			
Greasable Shackle	Must use Ironman Bushes	797-2	2
Greasable Pin		798	2

SUSPENSION KIT

Product	Part Number	Qty Req'd
Performance with Gas Shocks	NISS049BKG	

NOTE: Image above indicates kit contents.

XTERRA

2005 On
45mm Lift



FRONT SUSPENSION

Product		Part Number	Qty Req'd
SHOCK ABSORBER			
Nitro Gas	Height Adjustable Strut	12716GR	2
Foam Cell	Height Adjustable Strut	24716FE	2
COIL SPRING			
	Additional Weight		
Performance	0-50kg	NISS040B	1
Constant Load	50-110kg	NISS040C	1
TRIM PACKER			
5mm Spacer	Ironman Struts Only	HILFR05 ^f	2
10mm Spacer	Ironman Struts Only	HILFR10 ^f	2
15mm Spacer	Ironman Struts Only	HILFR15 ^f	2

REAR SUSPENSION

Product		Part Number	Qty Req'd
SHOCK ABSORBER			
Nitro Gas		12717GR	2
Foam Cell		24717FE	2
LEAF SPRING			
	Additional Weight		
Performance	0-300kg - Must use Ironman Bushes	NISS047B	2
U-BOLTS			
U-Bolt Kit		416UBK	2
POLYURETHANE SPRING BUSHES			
Complete Set		769UK	1
GREASABLE SHACKLES & PINS			
Greasable Shackle		797-1	2
SUSPENSION KIT			
Performance with Gas Shocks		NISS047BKG	
Performance with Foam Cell Shocks		NISS047BKF	

NOTE: Image above indicates kit contents.

**Unnecessary fitment of Trim Packers may lift vehicle too high.
It is also essential to select the correct front coil springs to maintain a minimum of 60mm downward suspension travel.**



MUSSO & KORANDO

1996 On
40mm Lift

FRONT SUSPENSION

Product	Part Number	Qty Req'd
SHOCK ABSORBER		
Nitro Gas	12667GR	2
Foam Cell	24667FE	2
SPRING		
Upated Torsion Bar	SSANG001	1

REAR SUSPENSION

Product	Part Number	Qty Req'd
COIL SPRING		
Performance	SSANG002B	1
SHOCK ABSORBER		
Nitro Gas	12661GR*	2
Foam Cell	24661FE*	2
* Please order Part # 895 when ordering (12661GR) (24661FE) Shock Absorbers to convert lower eye in Ssangyong		

SUSPENSION KIT

Product	Part Number
Performance with Gas Shocks	SSANG002BKG
Performance with Foam Cell Shocks	SSANG002BKF

NOTE: Image above indicates kit contents.

SIERRA

LJ, SJ

Leaf Springs, 1981 On
50mm Lift**FRONT SUSPENSION**

Product		Part Number	Qty Req'd
SHOCK ABSORBER			
Nitro Gas		12085GR	2
LEAF SPRING			
	Additional Weight		
Performance Drivers Side	0-50kg	SUZ001BD/S	1
Performance Near Side	0-50kg	SUZ001BN/S	1
STEERING DAMPER			
Foam Cell		3530	1
U-BOLTS			
U-Bolt Kit	Drivers Side	654UBK	1
U-Bolt Kit	Near Side	655UBK	1
POLYURETHANE SPRING BUSHES			
Complete Set		734UK	1

REAR SUSPENSION

Product		Part Number	Qty Req'd
SHOCK ABSORBER			
Nitro Gas		12086GR	2
LEAF SPRING			
	Additional Weight		
Performance	0-200kg	SUZ002B	2
Performance	0-200kg	SUZ002BD/S*	1
U-BOLTS			
U-Bolt Kit		655UBK	2
POLYURETHANE SPRING BUSHES			
Complete Set		734UK	1
SUSPENSION KIT			
Performance with Gas Shocks		SUZ001BKG	

NOTE: Image above indicates kit contents.

* Optional SUZ002BD/S, taller rear spring available to correct potential lean, due to spare wheel.



JIMNY

1998 - On
50mm Lift

FRONT SUSPENSION

Product	Part Number	Qty Req'd	
SHOCK ABSORBER			
Nitro Gas	12759GR	2	
COIL SPRING			
Performance	0-50kg	SUZ009B	1
STEERING DAMPER			
Foam Cell	Add-On Steering Damper	3521S	1
OFFSET CASTER BUSH KIT			
Offset Rubber Bush Kit	2 Degree	1146RK	1

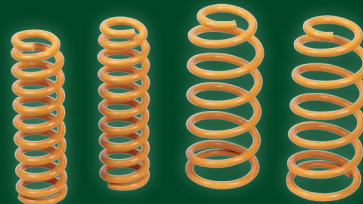
REAR SUSPENSION

Product	Part Number	Qty Req'd	
SHOCK ABSORBER			
Nitro Gas	12760GR	2	
COIL SPRING			
Performance	Additional Weight 0-200kg	SUZ010B	1

SUSPENSION KIT

Product	Part Number	Qty Req'd
Performance with Gas Shocks	SUZ009BKG	

NOTE: Image above indicates kit contents.



SIERRA

SJ80
1997 On
35mm Lift

FRONT SUSPENSION

Product	Part Number	Qty Req'd	
COIL SPRING			
Performance	Additional Weight 0-40kg	SUZ007B	1
OFFSET CASTER BUSH KIT			
Offset Rubber Bush Kit	2 Degree	1146RK	1

REAR SUSPENSION

Product	Part Number	Qty Req'd	
COIL SPRING			
Performance	Additional Weight 0-200kg	SUZ008B	1

VITARA

SWB, LWB

1988 On

35mm Lift

**FRONT SUSPENSION**

Product		Part Number	Qty Req'd
SHOCK ABSORBER			
Nitro Gas	Mini Strut	12083GR	2
COIL SPRING			
	Additional Weight		
SWB Models	0-50kg	SUZ003B	1
LWB Models	0-50kg	SUZ005B	1

REAR SUSPENSION

Product		Part Number	Qty Req'd
SHOCK ABSORBER			
Nitro Gas	SWB Models	12089GR	2
Nitro Gas	LWB Models	12658GR	2
COIL SPRING			
	Additional Weight		
SWB Models	0-200kg	SUZ004B	1
LWB Models	0-200kg	SUZ006B	1

SUSPENSION KIT

Product	Part Number
Performance SWB	SUZ003BKG
Performance LWB	SUZ005BKG

NOTE: Image above indicates kit contents.



GRAND VITARA
 SWB, LWB SQ420, 625, XL7
 4/1998 - 7/2005
 35mm Lift

FRONT SUSPENSION

Product		Part Number	Qty Req'd
SHOCK ABSORBER			
Nitro Gas	Mini Strut	12083GR	2
COIL SPRING			
	Additional Weight		
SWB / 4 Cyl Carburetor	0-50kg	SUZ005B	1
V6 / 4 Cyl Fuel Injected	0-50kg	SUZ015B	1
XL7	0-50kg	SUZ017B	1

REAR SUSPENSION

Product		Part Number	Qty Req'd
SHOCK ABSORBER			
Nitro Gas		12658GR	2
COIL SPRING			
	Additional Weight		
SWB Models	0-200kg	SUZ013B	1
LWB Models	0-200kg	SUZ016B	1
XL7 Models	0-200kg	SUZ018B	1

SUSPENSION KIT

Product	Part Number
Performance SWB / 4 Cyl Carburetor	SUZ013BKG
Performance LWB / V6 / 4 Cyl Fuel Injected	SUZ016BKG
Performance XL7	SUZ018BKG

NOTE: Image above indicates kit contents.

GRAND VITARA8/2005 On
45mm Lift**FRONT SUSPENSION**

Product		Part Number	Qty Req'd
SHOCK ABSORBER			
Nitro Gas	McPherson Strut	12721GR	2
COIL SPRING			
	Additional Weight		
Performance	0-50kg	SUZ019B	1
Constant Load	50-100kg	SUZ019C	1

REAR SUSPENSION

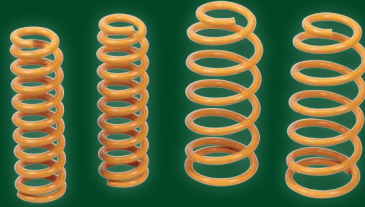
Product		Part Number	Qty Req'd
SHOCK ABSORBER			
Nitro Gas		12722GR	2
COIL SPRING			
	Additional Weight		
Performance SWB (GV3)	0-200kg	SUZ020A	1
Performance LWB	0-200kg	SUZ020B	1

SUSPENSION KIT

Product	Part Number
Performance SWB (GV3)	SUZ019AKG
Performance LWB	SUZ019BKG

NOTE: Image above indicates kit contents.

NOTE: Vehicles with Monocoque body construction can be subject to increased NVH (Noise) with upgraded suspension installed.



FORESTER

SF5, GX, RX, GT

35mm Lift

FRONT SUSPENSION

Product		Part Number	Qty Req'd
COIL SPRING	Additional Weight		
Performance 1997 - 2001	0-50kg	SUB001B	1
Performance 2002 - 2008	0-50kg	SUB003B	1

REAR SUSPENSION

Product		Part Number	Qty Req'd
COIL SPRING	Additional Weight		
Performance 1997 - 2001	0-200kg	SUB002B	1
Performance 2002 - 2008	0-200kg	SUB004B*	1

* Not suitable for Self Levelling Suspension Models..

HILUX

LN/RN 46

Solid Front Axle, 1979 - 10/1983

50mm Lift

**FRONT SUSPENSION**

Product		Part Number	Qty Req'd
SHOCK ABSORBER			
Nitro Gas	Comfort Soft Ride	12639GRC	2
Nitro Gas		12639GR	2
Foam Cell		24639FE	2
LEAF SPRING			
	Additional Weight		
Petrol Drivers Side	0-50kg	TOY010BD/S	1
Petrol Near Side	0-50kg	TOY010BN/S	1
Diesel Drivers Side	0-100kg	TOY010CD/S	1
Diesel Near Side	0-100kg	TOY010CN/S	1
STEERING DAMPER			
Foam Cell		3521	1
U-BOLTS			
U-Bolt Kit	Drivers Side	678UBK	1
U-Bolt Kit	Near Side	437UBK	1
POLYURETHANE SPRING BUSHES			
Complete Set		732UK	1
GREASABLE SHACKLES & PINS			
Greasable Shackle		384	2
Greasable Pin		385	2
REAR SUSPENSION			
Product		Part Number	Qty Req'd
SHOCK ABSORBER			
Nitro Gas	Comfort Soft Ride	12636GRC	2
Nitro Gas		12636GR	2
Foam Cell		24636FE	2
LEAF SPRING			
	Additional Weight		
Performance	0-300kg	TOY011B	2
Constant Load	300kg-GVM	TOY011C	2
U-BOLTS			
U-Bolt Kit		437UBK	2
POLYURETHANE SPRING BUSHES			
Complete Set		733UK	1
GREASABLE SHACKLES & PINS			
Greasable Shackle	Straight Shackle	386	2
Greasable Shackle	Straight Shackle Extended 5mm	386-2	2
Greasable Pin		385	2
SUSPENSION KIT			
Product		Part Number	
Performance with Gas Shocks		TOY010BKG1	
Performance with Foam Cell Shocks		TOY010BKF1	
Constant Load with Gas Shocks		TOY010CKG1	
Constant Load with Foam Cell Shocks		TOY010CKF1	

NOTE: Image above indicates kit contents.



HILUX
LN/RN 65,67,105,106
Solid Front Axle, 11/1983 - 11/1997
50mm Lift

FRONT SUSPENSION

Product		Part Number	Qty Req'd
SHOCK ABSORBER			
Nitro Gas	Comfort Soft Ride	12639GRC	2
Nitro Gas		12639GR	2
Foam Cell		24639FE	2
LEAF SPRING			
	Additional Weight		
Petrol Drivers Side	0-50kg	TOY010BD/S	1
Petrol Near Side	0-50kg	TOY010BN/S	1
Diesel Drivers Side	0-100kg	TOY010CD/S	1
Diesel Near Side	0-100kg	TOY010CN/S	1
STEERING DAMPER			
Foam Cell		3521	1
U-BOLTS			
U-Bolt Kit	Drivers Side	678UBK	1
U-Bolt Kit	Near Side	437UBK	1
POLYURETHANE SPRING BUSHES			
Complete Set		732UK	1
GREASABLE SHACKLES & PINS			
Greasable Shackle		384	2
Greasable Pin		385	2
REAR SUSPENSION			
Product		Part Number	Qty Req'd
SHOCK ABSORBER			
Nitro Gas	Comfort Soft Ride	12650GRC	2
Nitro Gas		12650GR	2
Foam Cell		24650FE	2
LEAF SPRING			
	Additional Weight		
Performance	0-300kg	TOY011B	2
Constant Load	300kg-GVM	TOY011C	2
U-BOLTS			
U-Bolt Kit		437UBK	2
POLYURETHANE SPRING BUSHES			
Complete Set		733UK	1
GREASABLE SHACKLES & PINS			
Greasable Shackle	Straight Shackle	386	2
Greasable Shackle	Straight Shackle Extended 5mm	386-2	2
Greasable Pin		385	2
SUSPENSION KIT			
Product		Part Number	
Performance with Gas Shocks		TOY010BKG2	
Performance with Foam Cell Shocks		TOY010BKF2	
Constant Load with Gas Shocks		TOY010CKG2	
Constant Load with Foam Cell Shocks		TOY010CKF2	

NOTE: Image above indicates kit contents.

HILUX

4RUNNER, LN61, YN63

1988 - 1997

45mm Lift

**FRONT SUSPENSION**

Product	Part Number	Qty Req'd
SHOCK ABSORBER		
Nitro Gas	12088GR	2
Foam Cell	24088FE	2
SPRING		
Upgraded Torsion Bar	TOY026	1
STEERING DAMPER		
Foam Cell	3533	1

REAR SUSPENSION

Product	Part Number	Qty Req'd	
SHOCK ABSORBER			
Nitro Gas	Comfort Soft Ride	12650GRC	2
Nitro Gas		12650GR	2
Foam Cell		24650FE	2
LEAF SPRING			
	Additional Weight		
Performance	0-300kg	TOY011B	2
Constant Load	300kg-GVM	TOY011C	2
U-BOLTS			
U-Bolt Kit	437UBK	2	
POLYURETHANE SPRING BUSHES			
Complete Set	733UK	1	
GREASABLE SHACKLES & PINS			
Greasable Shackle	Straight Shackle	386	2
Greasable Shackle	Straight Shackle Extended 5mm	386-2	2
Greasable Pin		385	2

SUSPENSION KIT

Product	Part Number
Performance with Gas Shocks	TOY011BKG
Performance with Foam Cell Shocks	TOY011BKF
Constant Load with Gas Shocks	TOY011CKG
Constant Load with Foam Cell Shocks	TOY011CKF

NOTE: Image above indicates kit contents.



HILUX
SURF / LN/RN/YN/VZN 130 V6
1988 - 1997
45mm Lift

FRONT SUSPENSION

Product	Part Number	Qty Req'd
SHOCK ABSORBER		
Nitro Gas	12088GR	2
Foam Cell	24088FE	2
SPRING		
Upated Torsion Bar	TOY026	1
STEERING DAMPER		
Foam Cell	3533	1

REAR SUSPENSION

Product	Part Number	Qty Req'd	
SHOCK ABSORBER			
Nitro Gas	Comfort Soft Ride	12637GRC	2
Nitro Gas		12637GR	2
Foam Cell		24637FE	2
COIL SPRING			
	Additional Weight		
Performance	0-200kg	TOY023B	1
Constant Load	200kg-GVM	TOY023C	1

SUSPENSION KIT

Product	Part Number
Performance with Gas Shocks	TOY023BKG
Performance with Foam Cell Shocks	TOY023BKF
Constant Load with Gas Shocks	TOY023CKG
Constant Load with Foam Cell Shocks	TOY023CKF

NOTE: Image above indicates kit contents.

HILUX

LN/RN 107,108,110,111,167

Pre 3/2005

40mm Lift



FRONT SUSPENSION

Product	Part Number	Qty Req'd
SHOCK ABSORBER		
Nitro Gas	12088GR	2
Foam Cell	24088FE	2
SPRING		
Upgraded Torsion Bar	TOY026	1
STEERING DAMPER		
Foam Cell	3533	1

REAR SUSPENSION

Product	Part Number	Qty Req'd	
SHOCK ABSORBER			
Nitro Gas	Comfort Soft Ride	12081GRC	2
Nitro Gas		12081GR	2
Foam Cell		24081FE	2
LEAF SPRING			
	Additional Weight		
Comfort	0-100kg	TOY027A	2
Performance	0-200kg	TOY027B	2
Constant Load	200kg-GVM	TOY027C	2
U-BOLTS			
U-Bolt Kit		437UBK	2
U-Bolt Kit	Suit TOY027A Spring	678UBK	2
POLYURETHANE SPRING BUSHES			
Complete Set		758UK	1
GREASABLE SHACKLES & PINS			
Greasable Shackle	Stepped Shackle	386-1	2
Non Greasable Pin		387-1	2

SUSPENSION KIT

Product	Part Number
Comfort with Gas Shocks	TOY027AKG
Comfort with Foam Cell Shocks	TOY027AKF
Performance with Gas Shocks	TOY027BKG
Performance with Foam Cell Shocks	TOY027BKF
Constant Load with Gas Shocks	TOY027CKG
Constant Load with Foam Cell Shocks	TOY027CKF

NOTE: Image above indicates kit contents.



HILUX / VIGO

GGN25R KUN26R

3/2005 On

45mm Lift

TOYOTA

FRONT SUSPENSION

Product		Part Number	Qty Req'd
SHOCK ABSORBER			
Nitro Gas	Height Adjustable Strut	12710GR	2
Foam Cell	Height Adjustable Strut	24710FE	2
COIL SPRING			
	Additional Weight		
Performance	0-50kg	TOY055B	1
Constant Load	50-100kg	TOY055C	1
TRIM PACKER			
5mm Spacer	Ironman Struts Only	HILFR05 ^F	2
10mm Spacer	Ironman Struts Only	HILFR10 ^F	2
15mm Spacer	Ironman Struts Only	HILFR15 ^F	2

REAR SUSPENSION

Product		Part Number	Qty Req'd
SHOCK ABSORBER			
Nitro Gas	Comfort Soft Ride	12650GRC	2
Nitro Gas		12650GR	2
Foam Cell		24650FE	2
Nitro Gas	Extra Long Travel - Comfort	12081GRC*	2
Nitro Gas	Extra Long Travel	12081GR*	2
Foam Cell	Extra Long Travel	24081FE*	2
LEAF SPRING			
	Additional Weight		
Comfort	0-100kg	TOY057A	2
Performance	0-200kg	TOY057B	2
Constant Load	200kg-400kg	TOY057C	2
Extra Constant Load	400kg-GVM	TOY057D	2
U-BOLTS			
U-Bolt Kit		437UBK	2
U-Bolt Kit	Suit TOY057A & D Spring	678UBK	2
POLYURETHANE SPRING BUSHES			
Complete Set		767UK	1
GREASABLE SHACKLES & PINS			
Greasable Shackle		386-3	2
Non Greasable Pin		387-1	2

SUSPENSION KIT

Product		Part Number	
Comfort with Gas Shocks	- Check Front Coil	TOY057AKG	
Performance with Gas Shocks	- Check Front Coil	TOY057BKG	
Performance with Foam Cell Shocks	- Check Front Coil	TOY057BKF	
Constant Load with Gas Shocks	- Check Front Coil	TOY057CKG	
Constant Load with Foam Cell Shocks	- Check Front Coil	TOY057CKF	
Extra Constant Load with Gas Shocks	- Check Front Coil	TOY057DKG	
Extra Constant Load with Foam Cell Shocks	- Check Front Coil	TOY057DKF	

NOTE: Image above indicates kit contents.

^F HILFRx Add F after part number for Foam Cell Compatible.

* Rear brake hose bracket may require slight modification if extra long travel shock absorbers are used.

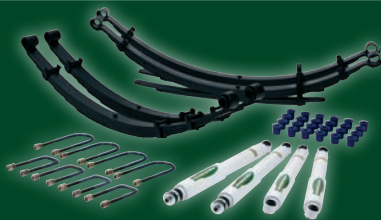
Unnecessary fitment of Trim Packers may lift vehicle too high. It is also essential to select the correct front coil springs to maintain a minimum of 60mm downward suspension travel.

LANDCRUISER

40 SERIES

1960 - 1980

50mm Lift

**FRONT SUSPENSION**

Product		Part Number	Qty Req'd
SHOCK ABSORBER			
Nitro Gas	Comfort Soft Ride	12635GRC	2
Nitro Gas		12635GR	2
Foam Cell		24635FE	2
LEAF SPRING			
	Additional Weight		
Performance	0-100kg	TOY001B	2
STEERING DAMPER			
Foam Cell		3523	1
U-BOLTS			
U-Bolt Kit		415UBK	2
POLYURETHANE SPRING BUSHES			
Complete Set		713UK	1
GREASABLE SHACKLES & PINS			
Greasable Shackle	Left Side	343LH	1
Greasable Shackle	Right Side	343RH	1
Greasable Pin		346	2

REAR SUSPENSION

Product		Part Number	Qty Req'd
SHOCK ABSORBER			
Nitro Gas	Comfort Soft Ride	12636GRC	2
Nitro Gas		12636GR	2
Foam Cell		24636FE	2
LEAF SPRING			
	Additional Weight		
Performance	0-200kg	TOY002B	2
U-BOLTS			
U-Bolt Kit		415UBK	2
POLYURETHANE SPRING BUSHES			
Complete Set		713UK	1
GREASABLE SHACKLES & PINS			
Greasable Shackle	Right Side	343LH	1
Greasable Shackle	Left Side	343RH	1
Greasable Pin		346	2

SUSPENSION KIT

Product	Part Number
Performance with Gas Shocks	TOY001BKG
Performance with Foam Cell Shocks	TOY001BKF

NOTE: Image above indicates kit contents.



LANDCRUISER

40, 42, 46 SERIES

1980 - 1984

50mm Lift

TOYOTA

FRONT SUSPENSION

Product		Part Number	Qty Req'd
SHOCK ABSORBER			
Nitro Gas	Comfort Soft Ride	12635GRC	2
Nitro Gas		12635GR	2
Foam Cell		24635FE	2
LEAF SPRING			
	Additional Weight		
Performance	0-80kg	TOY004B	2
Constant Load	80-120kg	TOY004C	2
STEERING DAMPER			
Foam Cell		3523	1
U-BOLTS			
U-Bolt Kit		415UBK	2
POLYURETHANE SPRING BUSHES			
Complete Set		719UK	1
GREASABLE SHACKLES & PINS			
Greasable Shackle	Left Side	348LH	1
Greasable Shackle	Right Side	348RH	1
Greasable Pin		351	2

REAR SUSPENSION

Product		Part Number	Qty Req'd
SHOCK ABSORBER			
Nitro Gas	Comfort Soft Ride	12636GRC	2
Nitro Gas		12636GR	2
Foam Cell		24636FE	2
LEAF SPRING			
	Additional Weight		
Performance	0-200kg	TOY034B	2
U-BOLTS			
U-Bolt Kit		415UBK	2
POLYURETHANE SPRING BUSHES			
Complete Set		719UK	1
GREASABLE SHACKLES & PINS			
Greasable Shackle	Right Side	348LH	1
Greasable Shackle	Left Side	348RH	1
Greasable Pin		351	2

SUSPENSION KIT

Product	Part Number
Performance with Gas Shocks	TOY004BKG
Performance with Foam Cell Shocks	TOY004BKF

NOTE: Image above indicates kit contents.

LANDCRUISER

45 SERIES

Pre 7/1980

50mm Lift

**FRONT SUSPENSION**

Product		Part Number	Qty Req'd
SHOCK ABSORBER			
Nitro Gas	Comfort Soft Ride	12635GRC	2
Nitro Gas		12635GR	2
Foam Cell		24635FE	2
LEAF SPRING			
	Additional Weight		
Performance	0-100kg	TOY001B	2
STEERING DAMPER			
Foam Cell		3523	1
U-BOLTS			
U-Bolt Kit		415UBK	2
POLYURETHANE SPRING BUSHES			
Complete Set		713UK	1
GREASABLE SHACKLES & PINS			
Greasable Shackle	Left Side	343LH	1
Greasable Shackle	Right Side	343RH	1
Greasable Pin		346	2

REAR SUSPENSION

Product		Part Number	Qty Req'd
SHOCK ABSORBER			
Nitro Gas	Comfort Soft Ride	12636GRC	2
Nitro Gas		12636GR	2
Foam Cell		24636FE	2
LEAF SPRING			
	Additional Weight		
Constant Load	0-400kg	TOY003C	2
U-BOLTS			
U-Bolt Kit		415UBK	2
POLYURETHANE SPRING BUSHES			
Complete Set		714UK	1
GREASABLE SHACKLES & PINS			
Greasable Shackle	Left Side	344	1
Greasable Shackle	Right Side	345	1
Greasable Pin		347	2

SUSPENSION KIT

Product	Part Number
Performance with Gas Shocks	TOY003BKG
Performance with Foam Cell Shocks	TOY003BKF

NOTE: Image above indicates kit contents.



LANDCRUISER

45 / 47 SERIES

8/1980 - 1985

50mm Lift

FRONT SUSPENSION

Product		Part Number	Qty Req'd
SHOCK ABSORBER			
Nitro Gas	Comfort Soft Ride	12635GRC	2
Nitro Gas		12635GR	2
Foam Cell		24635FE	2
LEAF SPRING			
	Additional Weight		
Performance	0-80kg	TOY004B	2
Constant Load	80-120kg	TOY004C	2
STEERING DAMPER			
Foam Cell		3523	1
U-BOLTS			
U-Bolt Kit	Drivers Side	449UBK	1
U-Bolt Kit	Passenger Side	415UBK	1
POLYURETHANE SPRING BUSHES			
Complete Set		719UK	1
GREASABLE SHACKLES & PINS			
Greasable Shackle	Left Side	348LH	1
Greasable Shackle	Right Side	348RH	1
Greasable Pin		351	2

REAR SUSPENSION

Product		Part Number	Qty Req'd
SHOCK ABSORBER			
Nitro Gas	Comfort Soft Ride	12636GRC	2
Nitro Gas		12636GR	2
Foam Cell		24636FE	2
LEAF SPRING			
	Additional Weight		
Constant Load	0-400kg	TOY005C	2
U-BOLTS			
U-Bolt Kit		415UBK	2
POLYURETHANE SPRING BUSHES			
Complete Set		719UK	1
GREASABLE SHACKLES & PINS			
Greasable Shackle	Left Side	353LH	1
Greasable Shackle	Right Side	353RH	1
Greasable Pin		351	2

SUSPENSION KIT

Product	Part Number
Performance with Gas Shocks	TOY005BKG
Performance with Foam Cell Shocks	TOY005BKF

NOTE: Image above indicates kit contents.

LANDCRUISER

60, 61 SERIES

Pre 1986

50mm Lift

**FRONT SUSPENSION**

Product		Part Number	Qty Req'd
SHOCK ABSORBER			
Nitro Gas	Comfort Soft Ride	12637GRC	2
Nitro Gas		12637GR	2
Foam Cell		24637FE	2
LEAF SPRING			
	Additional Weight		
Petrol No Accessories	0-50kg	TOY006B	2
Diesel or Accessories	50-100kg	TOY006C	2
Turbo Diesel / Sahara	50-100kg	TOY006D	2
STEERING DAMPER			
Foam Cell		3524	1
U-BOLTS			
U-Bolt Kit		436UBK	2
POLYURETHANE SPRING BUSHES			
Complete Set		719UK	1
GREASABLE SHACKLES & PINS			
Greasable Shackle	Left Side	348LH	1
Greasable Shackle	Right Side	348RH	1
Greasable Pin		351	2

REAR SUSPENSION

Product		Part Number	Qty Req'd
SHOCK ABSORBER			
Nitro Gas	Comfort Soft Ride	12636GRC	2
Nitro Gas		12636GR	2
Foam Cell		24636FE	2
LEAF SPRING			
	Additional Weight		
Performance Drivers Side	0-200kg	TOY007BD/S	1
Performance Near Side	0-200kg	TOY007BN/S	1
Constant Load Drivers Side	200kg-GVM	TOY007CD/S	1
Constant Load Near Side	200kg-GVM	TOY007CN/S	1
U-BOLTS			
U-Bolt Kit		415UBK	2
POLYURETHANE SPRING BUSHES			
Complete Set		719UK	1
GREASABLE SHACKLES & PINS			
Greasable Shackle	Left Side	353LH	1
Greasable Shackle	Right Side	353RH	1
Greasable Pin		351	2

SUSPENSION KIT

Product	Part Number
Performance Petrol with Gas Shocks	TOY006BKG1
Performance Petrol with Foam Cell Shocks	TOY006BKF1
Performance Diesel with Gas Shocks	TOY006CKG1
Performance Diesel with Foam Cell Shocks	TOY006CKF1
Constant Load Petrol with Gas Shocks	TOY007BKG1
Constant Load Petrol with Foam Cell Shocks	TOY007BKF1
Constant Load Diesel with Gas Shocks	TOY007CKG1
Constant Load Diesel with Foam Cell Shocks	TOY007CKF1



LANDCRUISER

60, 61, 62 SERIES

1986 On

50mm Lift

FRONT SUSPENSION

Product		Part Number	Qty Req'd
SHOCK ABSORBER			
Nitro Gas	Comfort Soft Ride	12637GRC	2
Nitro Gas		12637GR	2
Foam Cell		24637FE	2
LEAF SPRING			
	Additional Weight		
Petrol No Accessories	0-50kg	TOY006B	2
Diesel or Accessories	50-100kg	TOY006C	2
Turbo Diesel / Sahara	50-100kg	TOY006D	2
STEERING DAMPER			
Foam Cell		3524	1
U-BOLTS			
U-Bolt Kit		436UBK	2
POLYURETHANE SPRING BUSHES			
Complete Set		719UK	1
GREASABLE SHACKLES & PINS			
Greasable Shackle	Left Side	348LH	1
Greasable Shackle	Right Side	348RH	1
Greasable Pin		351	2

REAR SUSPENSION

Product		Part Number	Qty Req'd
SHOCK ABSORBER			
Nitro Gas	Comfort Soft Ride	12650GRC	2
Nitro Gas		12650GR	2
Foam Cell		24650FE	2
LEAF SPRING			
	Additional Weight		
Performance Drivers Side	0-200kg	TOY007BD/S	1
Performance Near Side	0-200kg	TOY007BN/S	1
Constant Load Drivers Side	200kg-GVM	TOY007CD/S	1
Constant Load Near Side	200kg-GVM	TOY007CN/S	1
U-BOLTS			
U-Bolt Kit		415UBK	2
POLYURETHANE SPRING BUSHES			
Complete Set		719UK	1
GREASABLE SHACKLES & PINS			
Greasable Shackle	Left Side	353LH	1
Greasable Shackle	Right Side	353RH	1
Greasable Pin		351	2

SUSPENSION KIT

Product	Part Number
Performance Petrol with Gas Shocks	TOY006BKG2
Performance Petrol with Foam Cell Shocks	TOY006BKF2
Performance Diesel with Gas Shocks	TOY006CKG2
Performance Diesel with Foam Cell Shocks	TOY006CKF2
Constant Load Petrol with Gas Shocks	TOY007BKG2
Constant Load Petrol with Foam Cell Shocks	TOY007BKF2
Constant Load Diesel with Gas Shocks	TOY007CKG2
Constant Load Diesel with Foam Cell Shocks	TOY007CKF2

NOTE: Barn Door Models may require (D/S-D/S) or (N/S-N/S) Rear Springs.

LANDCRUISER

HZJ, PZJ 70, 73, BJ FJ 70, 73, 74

1984 - 1998

50mm Lift

**FRONT SUSPENSION**

Product		Part Number	Qty Req'd
SHOCK ABSORBER			
Nitro Gas	Comfort Soft Ride	12637GRC	2
Nitro Gas		12637GR	2
Foam Cell		24637FE	2
LEAF SPRING			
	Additional Weight		
Performance	0-100kg	TOY008B	2
STEERING DAMPER			
Foam Cell		3524	1
U-BOLTS			
U-Bolt Kit		436UBK	2
POLYURETHANE SPRING BUSHES			
Complete Set		719UK	1
GREASABLE SHACKLES & PINS			
Greasable Shackle	Left Side	348LH	1
Greasable Shackle	Right Side	348RH	1
Greasable Pin		351	2

REAR SUSPENSION

Product		Part Number	Qty Req'd
SHOCK ABSORBER			
Nitro Gas	Comfort Soft Ride	12650GRC	2
Nitro Gas		12650GR	2
Foam Cell		24650FE	2
LEAF SPRING			
	Additional Weight		
Performance	0-200kg	TOY007AN/S	2
Constant Load	200-400kg	TOY007BN/S	2
U-BOLTS			
U-Bolt Kit		415UBK	2
POLYURETHANE SPRING BUSHES			
Complete Set		719UK	1
GREASABLE SHACKLES & PINS			
Greasable Shackle	Left Side	353LH	1
Greasable Shackle	Right Side	353RH	1
Greasable Pin		354	2

SUSPENSION KIT

Product	Part Number
Comfort with Gas Shocks	TOY016AKG
Comfort with Foam Cell Shocks	TOY016AKF
Performance with Gas Shocks	TOY016BKG
Performance with Foam Cell Shocks	TOY016BKF

NOTE: Image above indicates kit contents.



LANDCRUISER
BUNDERA LJ RJ 70, 73
 1984 - 1989
 50mm Lift

FRONT SUSPENSION

Product	Part Number	Qty Req'd	
SHOCK ABSORBER			
Nitro Gas	12091GR	2	
Foam Cell	24091FE	2	
COIL SPRING Additional Weight			
Performance	0-50kg	TOY018B	1
STEERING DAMPER			
Foam Cell	3524	1	

REAR SUSPENSION

Product	Part Number	Qty Req'd	
SHOCK ABSORBER			
Nitro Gas	Left Side	12639GR*	1
Foam Cell	Left Side	24639FE*	1
Nitro Gas	Right Side	12650GR	1
Foam Cell	Right Side	24650FE	1
* Please order x2 Part # 630 when ordering (12639GR) (24639FE) Shock Absorbers to convert lower eye in Bundera			
COIL SPRING Additional Weight			
Performance	0-150kg	TOY019B	1

SUSPENSION KIT

Product	Part Number
Performance with Gas Shocks	TOY018BKG
Performance with Foam Cell Shocks	TOY018BKF

NOTE: Image above indicates kit contents.

LANDCRUISER II
 LJ / RJ / KZJ 70, 73, 78 PRADO
 1990 - 1996
 50mm Lift



FRONT SUSPENSION

Product	Part Number	Qty Req'd
SHOCK ABSORBER		
Nitro Gas	12696GR	2
Foam Cell	24696FE	2
COIL SPRING		
	Additional Weight	
Performance	0-50kg	TOY048B
		1
STEERING DAMPER		
Foam Cell	3524	1

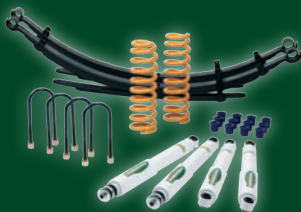
REAR SUSPENSION

Product	Part Number	Qty Req'd
SHOCK ABSORBER		
Nitro Gas	12697GR	2
Foam Cell	24697FE	2
COIL SPRING		
	Additional Weight	
Performance	0-150kg	TOY049B
		1

SUSPENSION KIT

Product	Part Number
Performance with Gas Shocks	TOY048BKG
Performance with Foam Cell Shocks	TOY048BKF

NOTE: Image above indicates kit contents.



LANDCRUISER 71 SERIES

50mm Lift

TOYOTA

FRONT SUSPENSION

Product		Part Number	Qty Req'd
SHOCK ABSORBER			
Nitro Gas		12091GR	2
Foam Cell		24091FE	2
Foam Cell	Extra Long Travel	24091LFE	2
COIL SPRING			
	Additional Weight		
Performance	0-50kg	TOY046B	1
Constant Load	50-110kg	TOY046C	1
STEERING DAMPER			
Foam Cell		3524	1
OFFSET CASTER BUSH KIT			
Adjustable Offset Bush Kit	STD, 2.5 Degree, 3.5 Degree	1144	1
Offset Bush Kit	2 Degree	1144SK	1

REAR SUSPENSION

Product		Part Number	Qty Req'd
SHOCK ABSORBER			
Nitro Gas		12081GR	2
Foam Cell		24081FE	2
Foam Cell	Extra Long Travel	24094FE	2
LEAF SPRING			
	Additional Weight		
Comfort	0-150kg	TOY007AD/S	2
Performance	0-250kg	TOY007BD/S	2
Constant Load	250kg-GVM	TOY007CD/S	2
U-BOLTS			
U-Bolt Kit		415UBK	2
POLYURETHANE SPRING BUSHES			
Complete Set		1185UK	1
GREASABLE SHACKLES & PINS			
Greasable Shackle	Must Use Ironman Bushes	1141-1	2
Greasable Pin	Must Use Ironman Bushes	1142	2

SUSPENSION KIT

Product	Part Number
Comfort with Gas Shocks	TOY058AKG
Comfort with Foam Cell Shocks	TOY058AKF
Performance with Gas Shocks	TOY058BKG
Performance with Foam Cell Shocks	TOY058BKF
Constant Load with Gas Shocks	TOY058CKG
Constant Load with Foam Cell Shocks	TOY058CKF

NOTE: Image above indicates kit contents.

LANDCRUISER

75 SERIES

1984 - 1999

50mm Lift

**FRONT SUSPENSION**

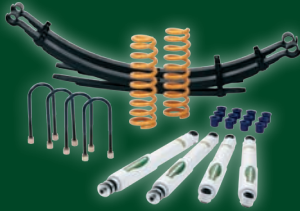
Product		Part Number	Qty Req'd
SHOCK ABSORBER			
Nitro Gas	Comfort Soft Ride	12637GRC	2
Nitro Gas		12637GR	2
Foam Cell		24637FE	2
LEAF SPRING			
	Additional Weight		
Petrol no Accessories	0-50kg	TOY008B	2
Diesel or Accessories	50-110kg	TOY008C	2
STEERING DAMPER			
Foam Cell		3524	1
U-BOLTS			
U-Bolt Kit		436UBK	2
POLYURETHANE SPRING BUSHES			
Complete Set		719UK	1
GREASABLE SHACKLES & PINS			
Greasable Shackle	Left Side	348LH	1
Greasable Shackle	Right Side	348RH	1
Greasable Pin		351	2

REAR SUSPENSION

Product		Part Number	Qty Req'd
SHOCK ABSORBER			
Nitro Gas	Comfort Soft Ride	12081GRC	2
Nitro Gas		12081GR	2
Foam Cell		24081FE	2
Foam Cell	Extra Long Travel	24094FE	2
LEAF SPRING			
	Additional Weight		
Performance	0-200kg	TOY009B	2
Constant Load	200-400kg	TOY009C	2
Mining	400-600kg	TOY009D	2
Extra Load Mining	600kg-GVM	TOY009E	2
U-BOLTS			
U-Bolt Kit		416UBK	2
POLYURETHANE SPRING BUSHES			
Complete Set		720UK	1
GREASABLE SHACKLES & PINS			
Greasable Shackle	Left Side	353LH	1
Greasable Shackle	Right Side	353RH	1
Greasable Pin		354	2

SUSPENSION KIT

Product	Part Number
Performance with Gas Shocks	TOY008BKG
Performance with Foam Cell Shocks	TOY008BKF
Constant Load with Gas Shocks	TOY008CKG
Constant Load with Foam Cell Shocks	TOY008CKF
Mining with Gas Shocks	TOY009DKG
Mining with Foam Cell Shocks	TOY009DKF
Extra Mining with Gas Shocks	TOY009EKG
Extra Mining with Foam Cell Shocks	TOY009EKF



LANDCRUISER

76 SERIES WAGON

2007 On

50mm Lift

FRONT SUSPENSION

Product		Part Number	Qty Req'd
SHOCK ABSORBER			
Nitro Gas		12091GR	2
Foam Cell		24091FE	2
COIL SPRING			
	Additional Weight		
Petrol no Accessories	0-50kg	TOY046A	1
Performance	0-50kg	TOY046B	1
Constant Load	50-110kg	TOY046C	1
STEERING DAMPER			
Foam Cell		3525	1
OFFSET CASTER BUSH KIT			
Adjustable Offset Bush Kit	STD, 2.5 Degree, 3.5 Degree	1144	1
Offset Bush Kit	2 Degree	1144SK	1

REAR SUSPENSION

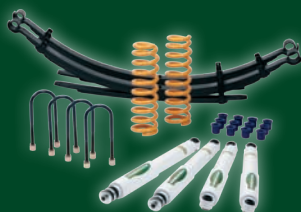
Product		Part Number	Qty Req'd
SHOCK ABSORBER			
Nitro Gas		12094GR	2
Foam Cell		24094FE	2
LEAF SPRING			
	Additional Weight		
Performance	0-300kg	TOY062B	2
Constant Load	300kg-GVM	TOY062C	2
U-BOLTS			
U-Bolt Kit		416UBK	2
POLYURETHANE SPRING BUSHES			
Complete Set		1085UK	1
GREASABLE SHACKLES & PINS			
Greasable Shackle	Must Use Ironman Bushes	1141-1	2
Greasable Pin	Must Use Ironman Bushes	1142	2

SUSPENSION KIT

Product	Part Number
Performance with Gas Shocks	TOY062BKG
Performance with Foam Cell Shocks	TOY062BKF
Constant Load with Gas Shocks	TOY062CKG
Constant Load with Foam Cell Shocks	TOY062CKF

NOTE: Image above indicates kit contents.

LANDCRUISER
78 SERIES TROOP CARRIER
 1999 On
 50mm Lift



FRONT SUSPENSION

Product		Part Number	Qty Req'd
SHOCK ABSORBER			
Nitro Gas		12091GR	2
Foam Cell		24091FE	2
COIL SPRING			
	Additional Weight		
Petrol no Accessories	0-50kg	TOY046A	1
Performance	0-50kg	TOY046B	1
Constant Load	50-110kg	TOY046C	1
STEERING DAMPER			
Foam Cell	1999-2006	3524	1
Foam Cell	2007 On	3525	1
OFFSET CASTER BUSH KIT			
Adjustable Offset Bush Kit	STD, 2.5 Degree, 3.5 Degree	1144	1
Offset Bush Kit	2 Degree	1144SK	1

REAR SUSPENSION

Product		Part Number	Qty Req'd
SHOCK ABSORBER			
Nitro Gas		12094GR	2
Foam Cell		24094FE	2
Foam Cell	Extra Long Travel	24094LFE	2
LEAF SPRING			
	Additional Weight		
Comfort	0-150kg	TOY047A	2
Performance	0-250kg	TOY047B	2
Constant Load	250-400kg	TOY047C	2
Mining	400kg-GVM	TOY047D	2
U-BOLTS			
U-Bolt Kit		416UBK	2
POLYURETHANE SPRING BUSHES			
Complete Set		1084UK	1
GREASABLE SHACKLES & PINS			
Greasable Shackle	Must Use Ironman Bushes	1141	2
Greasable Pin	Must Use Ironman Bushes	1142	2

SUSPENSION KIT

Product	Part Number
Comfort with Gas Shocks	TOY046AKG
Comfort with Foam Cell Shocks	TOY046AKF
Performance with Gas Shocks	TOY046BKG
Performance with Foam Cell Shocks	TOY046BKF
Constant Load with Gas Shocks	TOY046CKG
Constant Load with Foam Cell Shocks	TOY046CKF
Mining with Gas Shocks	TOY046DKG
Mining with Foam Cell Shocks	TOY046DKF

NOTE: Image above indicates kit contents.



LANDCRUISER
79 SERIES TRAYBACK
 1999 On
 50mm Lift

FRONT SUSPENSION

Product		Part Number	Qty Req'd
SHOCK ABSORBER			
Nitro Gas		12091GR	2
Foam Cell		24091FE	2
COIL SPRING			
	Additional Weight		
Petrol no Accessories	0-50kg	TOY046A	1
Performance	0-50kg	TOY046B	1
Constant Load	50-110kg	TOY046C	1
STEERING DAMPER			
Foam Cell	1999-2006	3524	1
Foam Cell	2007 On	3525	1
OFFSET CASTER BUSH KIT			
Adjustable Offset Bush Kit	STD, 2.5 Degree, 3.5 Degree	1144	1
Offset Bush Kit	2 Degree	1144SK	1

REAR SUSPENSION

Product		Part Number	Qty Req'd
SHOCK ABSORBER			
Nitro Gas		12094GR	2
Foam Cell		24094FE	2
Foam Cell	Extra Long Travel	24094LFE	2
LEAF SPRING			
	Additional Weight		
Comfort	0-150kg	TOY047A	2
Performance	0-250kg	TOY047B	2
Constant Load	250-400kg	TOY047C	2
Mining	400kg-GVM	TOY047D	2
U-BOLTS			
U-Bolt Kit		416UBK	2
POLYURETHANE SPRING BUSHES			
Complete Set		1085UK	1
GREASABLE SHACKLES & PINS			
Greasable Shackle	Must Use Ironman Bushes	1141	2
Greasable Pin	Must Use Ironman Bushes	1142	2

SUSPENSION KIT

Product	Part Number
Comfort with Gas Shocks	TOY046AKG1
Comfort with Foam Cell Shocks	TOY046AKF1
Performance with Gas Shocks	TOY046BKG1
Performance with Foam Cell Shocks	TOY046BKF1
Constant Load with Gas Shocks	TOY046CKG1
Constant Load with Foam Cell Shocks	TOY046CKF1
Mining with Gas Shocks	TOY046DKG1
Mining with Foam Cell Shocks	TOY046DKF1

NOTE: Image above indicates kit contents.

LANDCRUISER

80 SERIES / 105 SERIES WAGON
Solid Axle Front Suspension, 1990 On
50mm Lift

**FRONT SUSPENSION**

Product		Part Number	Qty Req'd
SHOCK ABSORBER			
Nitro Gas		12683GR	2
Foam Cell		24683FE	2
COIL SPRING			
	Additional Weight		
Performance	0-50kg	TOY024B	1
Constant Load	50-110kg	TOY024C	1
STEERING DAMPER			
Foam Cell		3524	1
OFFSET CASTER BUSH KIT			
Adjustable Offset Bush Kit	STD, 2.5 Degree, 3.5 Degree	1144	1
Offset Bush Kit	2 Degree	1144SK	1
TRIM PACKER			
20mm Coil Spring Trim Packer		LCF20	2
30mm Coil Spring Trim Packer		LCF30	2

REAR SUSPENSION

Product		Part Number	Qty Req'd
SHOCK ABSORBER			
Nitro Gas		12682GR	2
Foam Cell		24682FE	2
COIL SPRING			
	Additional Weight		
Performance	0-200kg	TOY025B	1
Performance with Accessories	100-300kg	TOY013B	1
Constant Load	300-400kg	TOY025C	1
Extra Constant Load	400kg-GVM	TOY025D	1
TRIM PACKER			
15mm Coil Spring Trim Packer		LCR15	2
30mm Coil Spring Trim Packer		LCR30	2

BUSH KIT

Product		Part Number	Qty Req'd
Suspension Arm Bush Kit		847K	1

SUSPENSION KIT

Product		Part Number	
Performance with Gas Shocks		TOY024BKG	
Performance with Foam Cell Shocks		TOY024BKF	
Constant Load with Gas Shocks		TOY024CKG	
Constant Load with Foam Cell Shocks		TOY024CKF	
Extra Constant Load with Gas Shocks		TOY024DKG	
Extra Constant Load with Foam Cell Shocks		TOY024DKF	

NOTE: Image above indicates kit contents.

NOTE: Vehicle manufactured pre 8/1991 result in 20mm lower lift than post 8/1991.

NOTE: For competition vehicle / big lift applications - see Page 103.



LANDCRUISER

100 SERIES WAGON, PETROL

Independent Front Suspension, 3/1998 On

25mm lift

FRONT SUSPENSION

Product	Part Number	Qty Req'd
SHOCK ABSORBER		
Nitro Gas	12795GR	2
Foam Cell	24795FE	2
SPRING		
Up-rated Torsion Bar	Must Install BRACKET100 TOY050 ¹	1
BRACKET		
Control Arm Reinforcement	BRACKET100	1

REAR SUSPENSION

Product	Part Number	Qty Req'd	
SHOCK ABSORBER			
Nitro Gas	12796GR	2	
Foam Cell	24796FE	2	
COIL SPRING			
	Additional Weight		
Performance	0-200kg	TOY013B	1
Constant Load	200-400kg	TOY025C	1
TRIM PACKER			
15mm Coil Spring Trim Packer	LCR15	2	
30mm Coil Spring Trim Packer	LCR30	2	

SUSPENSION KIT

Product	Part Number
Performance with Gas Shocks	TOY050BKG
Performance with Foam Cell Shocks	TOY050BKF
Constant Load with Gas Shocks	TOY050CKG
Constant Load with Foam Cell Shocks	TOY050CKF

NOTE: Image above indicates kit contents.

¹ Some Middle Eastern vehicles may use longer Torsion Bars TOY051
Check length before ordering.

When setting Torsion Bar ride height, it is essential to maintain a minimum of 60mm downward suspension travel.

LANDCRUISER

100 SERIES WAGON, DIESEL

Independent Front Suspension, 10/2000 On
25mm Lift**FRONT SUSPENSION**

Product	Part Number	Qty Req'd
SHOCK ABSORBER		
Nitro Gas	12795GR	2
Foam Cell	24795FE	2
SPRING		
Upgraded Torsion Bar	Must Install BRACKET100 TOY051	1
BRACKET		
Control Arm Reinforcement	BRACKET100	1

REAR SUSPENSION

Product	Part Number	Qty Req'd	
SHOCK ABSORBER			
Nitro Gas	12796GR	2	
Foam Cell	24796FE	2	
COIL SPRING			
	Additional Weight		
Performance	0-200kg	TOY013B	1
Constant Load	200-400kg	TOY025C	1
TRIM PACKER			
15mm Coil Spring Trim Packer	LCR15	2	
30mm Coil Spring Trim Packer	LCR30	2	

SUSPENSION KIT

Product	Part Number
Performance with Gas Shocks	TOY051BKG
Performance with Foam Cell Shocks	TOY051BKF
Extra Constant Load with Gas Shocks	TOY051CKG
Extra Constant Load with Foam Cell Shocks	TOY051CKF

NOTE: Image above indicates kit contents.

When setting Torsion Bar ride height, it is essential to maintain a minimum of 60mm downward suspension travel.



LANDCRUISER
200 SERIES WAGON
 Independent Front Suspension
 45mm Lift

FRONT SUSPENSION

Product		Part Number	Qty Req'd
SHOCK ABSORBER			
Nitro Gas	Height Adjustable Strut	12720GR	2
Foam Cell	Height Adjustable Strut	24720FE	2
COIL SPRING			
	Additional Weight		
Performance	0-50kg	TOY063B	1
Constant Load	50-110kg	TOY063C	1
TRIM PACKER			
5mm Spacer	Ironman Struts Only	HILFR05 ^F	2
10mm Spacer	Ironman Struts Only	HILFR10 ^F	2
15mm Spacer	Ironman Struts Only	HILFR15 ^F	2

REAR SUSPENSION

Product		Part Number	Qty Req'd
SHOCK ABSORBER			
Nitro Gas		12796GR	2
Foam Cell		24796FE	2
COIL SPRING			
	Additional Weight		
Performance	0-300kg	TOY064B	1
Constant Load	300kg-GVM	TOY064C	1

SUSPENSION KIT

Product	Part Number
Performance with Gas Shocks	TOY063BKG
Performance with Foam Cell Shocks	TOY063BKF
Constant Load with Gas Shocks	TOY063CKG
Constant Load with Foam Cell Shocks	TOY063CKF

^F HILFRx Add F after part number for Foam Cell Compatible.

NOTE: Image above indicates kit contents.

**Unnecessary fitment of Trim Packers may lift vehicle too high.
 It is also essential to select the correct front coil springs to
 maintain a minimum of 60mm downward suspension travel.**

PRADO
90 / 95 SERIES
1996 - 10/2002
45mm Lift

4RUNNER
VZN/RZN 180/185
1996 - 2002
45mm Lift



FRONT SUSPENSION

Product		Part Number	Qty Req'd
SHOCK ABSORBER			
Nitro Gas	Height Adjustable Strut	12691GR	2
Foam Cell	Height Adjustable Strut	24691FE	2
COIL SPRING			
	Additional Weight		
Petrol no Accessories	0-50kg	TOY038B	1
Turbo Diesel or Accessories	50-100kg	TOY038C	1
TRIM PACKER			
5mm Spacer	Ironman Struts Only	HILFR05 ^F	2
10mm Spacer	Ironman Struts Only	HILFR10 ^F	2
15mm Spacer	Ironman Struts Only	HILFR15 ^F	2

REAR SUSPENSION

Product		Part Number	Qty Req'd
SHOCK ABSORBER			
Nitro Gas		12661GR	2
Foam Cell		24661FE	2
COIL SPRING			
	Additional Weight		
Performance SWB (Prado Only)	0-300kg	TOY039A	1
Performance LWB	0-300kg	TOY039B	1
Constant Load LWB	300kg - GVM	TOY039C	1
TRIM PACKER			
20mm Coil Spring Trim Packer		LCF20	2
30mm Coil Spring Trim Packer		LCF30	2

SUSPENSION KIT

Product	Part Number
Performance SWB Prado Petrol with Gas Shocks	TOY038AKG
Performance SWB Prado Petrol with Foam Cell Shocks	TOY038AKF
Performance SWB Prado Diesel with Gas Shocks	TOY038AKG1
Performance SWB Prado Diesel with Foam Cell Shocks	TOY038AKF1
Performance LWB Petrol with Gas Shocks	TOY038BKG
Performance LWB Petrol with Foam Cell Shocks	TOY038BKF
Performance LWB Diesel with Gas Shocks	TOY038CKG
Performance LWB Diesel with Foam Cell Shocks	TOY038CKF
Constant Load LWB Petrol with Gas Shocks	TOY038BKG1
Constant Load LWB Petrol with Foam Cell Shocks	TOY038BKF1
Constant Load LWB Diesel with Gas Shocks	TOY038CKG1
Constant Load LWB Diesel with Foam Cell Shocks	TOY038CKF1

^F HILFRx Add F after part number for Foam Cell Compatible.

NOTE: Image above indicates kit contents.

**Unnecessary fitment of Trim Packers may lift vehicle too high.
It is also essential to select the correct front coil springs to
maintain a minimum of 60mm downward suspension travel.**



FJ CRUISER

2006 On
45mm Lift

PRADO

120 SERIES
4/2003 - 10/2009
45mm Lift

TOYOTA

FRONT SUSPENSION

Product		Part Number	Qty Req'd
SHOCK ABSORBER			
Nitro Gas	Height Adjustable Strut	12710GR	2
Foam Cell	Height Adjustable Strut	24710FE	2
COIL SPRING			
	Additional Weight		
Petrol no Accessories	0-50kg	TOY055B	1
Diesel or Accessories	50-100kg	TOY055C	1
TRIM PACKER			
5mm Spacer	Ironman Struts Only	HILFR05 ^F	2
10mm Spacer	Ironman Struts Only	HILFR10 ^F	2
15mm Spacer	Ironman Struts Only	HILFR15 ^F	2

REAR SUSPENSION

Product		Part Number	Qty Req'd
SHOCK ABSORBER			
Nitro Gas		12682GRC	2
Foam Cell		24682FEC	2
COIL SPRING			
	Additional Weight		
Performance SWB	0-300kg	TOY056A	1
Performance LWB	0-300kg	TOY056B	1
Constant Load LWB	300kg-GVM	TOY056C	1

SUSPENSION KIT

Product	Part Number
Performance SWB Prado Petrol with Gas Shocks	TOY055AKG
Performance SWB Prado Petrol with Foam Cell Shocks	TOY055AKF
Performance SWB Prado Diesel with Gas Shocks	TOY055AKG1
Performance SWB Prado Diesel with Foam Cell Shocks	TOY055AKF1
Performance LWB Petrol with Gas Shocks	TOY055BKG
Performance LWB Petrol with Foam Cell Shocks	TOY055BKF
Performance LWB Diesel with Gas Shocks	TOY055BKG1
Performance LWB Diesel with Foam Cell Shocks	TOY055BKF1
Constant Load LWB Petrol with Gas Shocks	TOY055CKG
Constant Load LWB Petrol with Foam Cell Shocks	TOY055CKF
Constant Load LWB Diesel with Gas Shocks	TOY055CKG1
Constant Load LWB Diesel with (Foam Cell Shocks (Rear)	TOY055CKF1

^F HILFRx Add F after part number for Foam Cell Compatible.

NOTE: Image above indicates kit contents.

**Unnecessary fitment of Trim Packers may lift vehicle too high.
It is also essential to select the correct front coil springs to
maintain a minimum of 60mm downward suspension travel.**

PRADO
150 SERIES
11/2009 On
45mm Lift



FRONT SUSPENSION

Product		Part Number	Qty Req'd
SHOCK ABSORBER			
Nitro Gas	Height Adjustable Strut	12750GR	2
Foam Cell	Height Adjustable Strut	24750FE	2
COIL SPRING			
	Additional Weight		
Petrol no Accessories	0-50kg	TOY065B	1
Diesel or Accessories	50-100kg	TOY065C	1
TRIM PACKER			
5mm Spacer	Ironman Struts Only	HILFR05 ^F	2
10mm Spacer	Ironman Struts Only	HILFR10 ^F	2
15mm Spacer	Ironman Struts Only	HILFR15 ^F	2

REAR SUSPENSION

Product		Part Number	Qty Req'd
SHOCK ABSORBER			
Nitro Gas		12682GRC	2
Foam Cell		24682FEC	2
COIL SPRING			
	Additional Weight		
Performance SWB	0-300kg	TOY056A	1
Performance LWB	0-300kg	TOY056B	1
Constant Load	300kg-GVM	TOY056C	1

SUSPENSION KIT

Product	Part Number
Performance SWB with Gas Shocks	TOY065AKG
Performance SWB with Foam Cell Shocks	TOY065AKF
Performance LWB Petrol with Gas Shocks	TOY065BKG
Performance LWB Petrol with Foam Cell Shocks	TOY065BKF
Constant Load LWB Petrol with Gas Shocks	TOY065CKG
Constant Load LWB Petrol with Foam Cell Shocks	TOY065CKF
Performance LWB Diesel with Gas Shocks	TOY065BKG1
Performance LWB Diesel with Foam Cell Shocks	TOY065BKF1
Constant Load LWB Diesel with Gas Shocks	TOY065CKG1
Constant Load LWB Diesel with Foam Cell Shocks	TOY065CKF1

^F HILFRx Add F after part number for Foam Cell Compatible.

NOTE: Image above indicates kit contents.

**Unnecessary fitment of Trim Packers may lift vehicle too high.
It is also essential to select the correct front coil springs to
maintain a minimum of 60mm downward suspension travel.**



FORTUNER

11/2004 On

45mm Lift

TOYOTA

FRONT SUSPENSION

Product		Part Number	Qty Req'd
SHOCK ABSORBER			
Nitro Gas	Height Adjustable Strut	12710GR	2
Foam Cell	Height Adjustable Strut	24710FE	2
COIL SPRING			
	Additional Weight		
Performance	0-50kg	TOY055A	1
Constant Load	50-100kg	TOY055B	1
TRIM PACKER			
5mm Spacer	Ironman Struts Only	HILFR05 ^F	2
10mm Spacer	Ironman Struts Only	HILFR10 ^F	2
15mm Spacer	Ironman Struts Only	HILFR15 ^F	2

REAR SUSPENSION

Product		Part Number	Qty Req'd
SHOCK ABSORBER			
Nitro Gas		12743GR	2
Foam Cell		24743FE	2
COIL SPRING			
	Additional Weight		
Comfort	0-100kg	TOY017A	1
Performance	0-300kg	TOY017B	1

SUSPENSION KIT

Product	Part Number	Qty Req'd
Comfort with Gas Shocks	TOY017AKG	
Comfort with Foam Cell Shocks	TOY017AKF	
Performance with Gas Shocks	TOY017BKG	
Performance with Foam Cell Shocks	TOY017BKF	

^F HILFRx Add F after part number for Foam Cell Compatible.

NOTE: Image above indicates kit contents.

**Unnecessary fitment of Trim Packers may lift vehicle too high.
It is also essential to select the correct front coil springs to
maintain a minimum of 60mm downward suspension travel.**

HUNTER & PATRIOT

All Models



FRONT SUSPENSION

Product		Part Number	Qty Req'd
SHOCK ABSORBER			
Nitro Gas	Hunter	12652GR	2
Foam Cell	Hunter	24652FE	2
Nitro Gas	Patriot	12646GR	2
Foam Cell	Patriot	24646FE	2
COIL SPRING			
	Additional Weight		
Performance	0-100kg	IMAZ001B	1

REAR SUSPENSION

Product		Part Number	Qty Req'd
SHOCK ABSORBER			
Nitro Gas		12698GR	2
Foam Cell		24698FE	2
LEAF SPRING			
	Additional Weight		
Performance	0-200kg	IMAZ002B*	2
U-BOLTS			
U-Bolt Kit		678UBK	2
POLYURETHANE SPRING BUSHES			
Complete Set		1188UK	1
GREASABLE SHACKLES & PINS			
Greasable Shackle		1189	2

REAR SUSPENSION

Product	Part Number
Hunter with Gas Shocks	IMAZ001BKG
Hunter with Foam Cell Shocks	IMAZ001BKF
Patriot with Gas Shocks	IMAZ001BKG1
Patriot with Foam Cell Shocks	IMAZ001BKF1

NOTE: Image above indicates kit contents.

* Patriot Model: Light or no load applications, may opt to remove 5th leaf.



AMAROK

2009 On

35mm Lift

VOLKSWAGEN

FRONT SUSPENSION

Product		Part Number	Qty Req'd
SHOCK ABSORBER			
Nitro Gas	Height Adjustable Strut	12725GR	2
COIL SPRING			
	Additional Weight		
Performance	0-50kg	VOLKS001B	1
Constant Load	50-100kg	VOLKS001C	1
TRIM PACKER			
5mm Spacer	Ironman Struts Only	HILFR05	2
10mm Spacer	Ironman Struts Only	HILFR10	2
15mm Spacer	Ironman Struts Only	HILFR15	2

REAR SUSPENSION

Product		Part Number	Qty Req'd
SHOCK ABSORBER			
Nitro Gas		12726GR	2
LEAF SPRING			
	Additional Weight		
Performance	0-200kg	VOLKS002B	2
Constant Load	200-400kg	VOLKS002C	2
U-BOLTS			
U-Bolt Kit		415UBK	2
POLYURETHANE SPRING BUSHES			
Complete Set		1190UK	1
SUSPENSION KIT			
Product		Part Number	
Comfort with Gas Shocks		VOLKS001BKG	
Performance with Gas Shocks		VOLKS001CKG	

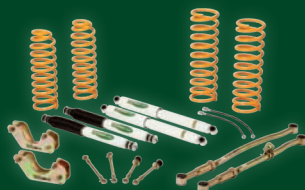
NOTE: Image above indicates kit contents.

**Unnecessary fitment of Trim Packers may lift vehicle too high.
It is also essential to select the correct front coil springs to maintain a minimum of 60mm downward suspension travel.**

PATROL

GQ Y60 / GU Y61 LWB

1988 On



FRONT SUSPENSION

Product		Part Number	Qty Req'd
SHOCK ABSORBER			
Foam Cell	Suit 4" Lift	24091LFE	2
Foam Cell	Suit 6" Lift	24091LFE1	2
COIL SPRING			
	Additional Weight		
4" Lift	0-100kg	NISS026B	1
6" Lift	0-100kg	NISS043B	1
STEERING DAMPER			
Foam Cell	GQ Pre 8/1989	3534	1
Foam Cell	GQ Post 8/1989	3536	1
Foam Cell	GU Pre 2/2000	3511	1
Foam Cell	GU Post 2/2000	3501	1
OFFSET CASTER			
5° Offset Caster Plates	Suit 4"-6" Lift	CPLATE003	1
SPACERS & RODS			
Extended Brake Hose	Non ABS Models	BHOSE003 ¹	1
Extended Brake Hose	ABS Models	BHOSE005 ¹	2
15mm Coil Spring Trim Packer		PATF15	2
30mm Coil Spring Trim Packer		PATF30	2
Crossmember Spacer Kit	GQ Only	1002K	1
Extended Sway Bar Link		SBEXT003	2
Adjustable Drag Link	GQ Only	ADL003	1
Adjustable Drag Link	GU Only	ADL005	1
Adjustable Panhard Rod	RHD / Pre 2/2000	PANHARD003	1
Adjustable Panhard Rod	RHD / 2/2000 On	PANHARD005	1
Adjustable Panhard Rod	LHD / Pre 2/2000	PANHARD008	1
Adjustable Panhard Rod	LHD / 2/2000 On	PANHARD009	1

REAR SUSPENSION

Product		Part Number	Qty Req'd
SHOCK ABSORBER			
Foam Cell	Suit 4" Lift	24094LFE	2
Foam Cell	Suit 6" Lift	24094LFE1	2
COIL SPRING			
	Additional Weight		
4" Lift	0-200kg	NISS027B	1
6" Lift	0-200kg	NISS044B	1
SPACERS & RODS			
Extended Brake Hose	Non ABS Models	BHOSE004	1
15mm Coil Spring Trim Packer		PATR15	2
30mm Coil Spring Trim Packer		PATR30	2
Extended Sway Bar Link	Stem / Right Angle Joint	SBEXT003*	1
Extended Sway Bar Link	Right Angle / Right Angle Joint	SBEXT004*	1
Adjustable Panhard Rod	Pre 2/2000	PANHARD004	1
Adjustable Panhard Rod	2/2000 On	PANHARD006	1

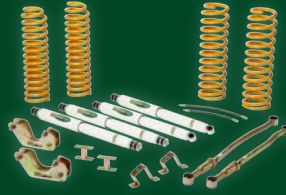
SUSPENSION KIT

Product		Part Number	
4" Lift Suspension Kit	GQ / GU Pre 2/2000	NISS026BKF ^{L*}	
6" Lift Suspension Kit	GQ / GU Pre 2/2000	NISS043BKF ^{L*}	
4" Lift Suspension Kit	GU 2/2000 On	NISS026BKF1 ^{L*}	
6" Lift Suspension Kit	GU 2/2000 On	NISS043BKF1 ^{L*}	

¹ Specify ABS / Non ABS Hose when ordering.

^L Use L at the end of part number for LHD vehicles.

*IMPORTANT: Please check your rear sway bar link configuration.



LANDCRUISER

80 SERIES / 105 SERIES WAGON

Solid Axle Front Suspension, 1990 On

FRONT SUSPENSION

Product		Part Number	Qty Req'd
SHOCK ABSORBER			
Foam Cell	Suit 4" Lift	24683LFE	2
Foam Cell	Suit 6" Lift	24683LFE1	2
COIL SPRING			
	Additional Weight		
4" Lift	0-100kg	TOY012C	1
6" Lift	0-100kg	TOY060B	1
STEERING DAMPER			
Foam Cell		3524	1
OFFSET CASTER			
Adjustable Offset Bush Kit	Suit 2" - 4" Lift	1144	1
5° Offset Caster Plates	Suit 4" - 6" Lift	CPLATE001	1
SPACERS & RODS			
Extended Brake Hose	Single Hose Models	BHOSE001 ¹	1
20mm Coil Spring Trim Packer		LCF20	2
30mm Coil Spring Trim Packer		LCF30	2
Extended Sway Bar Bracket		SBEXT001	2
Adjustable Panhard Rod	RHD	PANHARD001	1
Adjustable Panhard Rod	LHD	PANHARD007	1

REAR SUSPENSION

Product		Part Number	Qty Req'd
SHOCK ABSORBER			
Foam Cell	Suit 4" Lift	24682LFE	2
Foam Cell	Suit 6" Lift	24682LFE1	2
COIL SPRING			
	Additional Weight		
4" Lift	0-200kg	TOY013C	1
6" Lift	0-200kg	TOY061B	1
SPACERS & RODS			
Extended Brake Hose		BHOSE002	1
15mm Coil Spring Trim Packer		LCR15	2
30mm Coil Spring Trim Packer		LCR30	2
Extended Sway Bar Bracket	Side Chassis Mounting	SBEXT002 ²	2
Extended Sway Bar Bracket	Under Chassis Mounting	SBEXT005 ²	2
Adjustable Panhard Rod		PANHARD002	1

SUSPENSION KIT

Product		Part Number	
4" Lift Suspension Kit	80 Series	TOY012CKF1 ^{L2}	
6" Lift Suspension Kit	80 Series	TOY063BKF1 ^{L2}	
4" Lift Suspension Kit	105 Series	TOY012CKF2 ^L	
6" Lift Suspension Kit	105 Series	TOY063BKF2 ^L	

Products listed on page 98 -99 may not be legal for road use and are strictly intended for off-road competition use only. Certification may be required for on-road use.

The above products are not covered by the Ironman warranty policy.

Further vehicle modifications may be necessary. Such modifications are entirely the owners responsibility. Ironman accept no responsibility for any damage or injury caused by use of the above products.

* Vehicles manufactured pre 8/1991 result in 20mm lower lift than post 8/1991.

¹ Landcruiser with two Front Brake Hoses, order extra BHOSE002 for Front.

² 80 Series may have SBEXT002 or SBEXT005, 105 Series will use SBEXT005. 80 Series must check your Rear Sway Bar Bracket before ordering.

^L Use L at the end of part number for LHD vehicles.

NOTE: Image above indicates kit contents.

NOTES

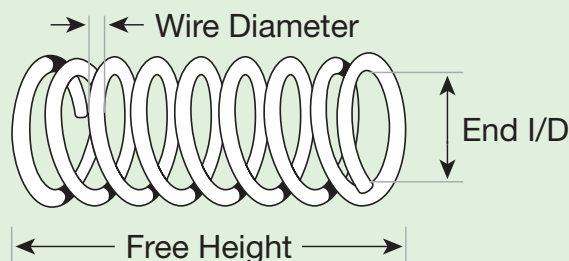




COIL SPRINGS

SPECIFICATIONS

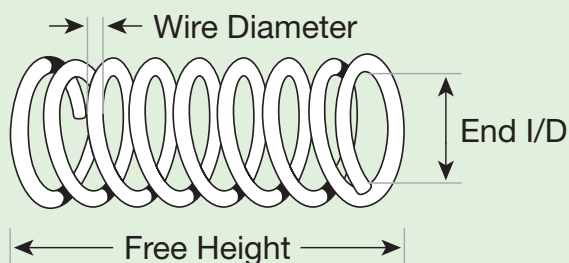
SPRING NUMBER	WIRE DIAMETER (mm)	FREE HEIGHT (mm)	END I/D (mm)
HOLD008B	16.4	425	104
HOLD008C	17	420	106
HYUND003B	17	407	148
IMAZ001B	16	395	102
JEEP003B D/S N/S	15	432/436	65/100
JEEP006B D/S N/S	14	380/375	62/102.5
JEEP007B D/S N/S	15	440/435	66/100
JEEP008B D/S N/S	16	345/335	72
JEEP012B D/S N/S	15	420/410	98
JEEP013B D/S N/S	16	350/340	75
JEEP014B	16.5	375	82
JEEP014C	16.5	382	82
JEEP015B	17	323	85/115
JEEP016B	15.5	465	70/102
JEEP017B D/S N/S	15	460/450	73/103
JEEP017C D/S N/S	15.5	460/450	73/103
JEEP018A	15.5	388	52/103
JEEP018B	16	388	52/103
JEEP019B	15	500	73/103
JEEP020B	16	417	52/103
KIA006B	18	342	61/91
KIA007B	16	387	79/129
LADA001B	16	285	92
LADA002B	14	435	100
LAND005B	17	400	118
LAND006B	20	405	134
LAND006C	21	440	134
LAND007B D/S N/S	16	390/382	118
LAND008B	17	440	134
LAND009B D/S N/S	16	405/395	117
LAND011B D/S N/S	17	425/420	117
LAND011C D/S N/S	18	425/420	118
LAND014B D/S N/S	15	410/390	117
LAND019B	17	415	90
LAND020B	21	395	80/100
MITSO20B D/S N/S	17	405/400	145
MITSO22B D/S N/S	16	410/400	145
MITSO25B	17	390	124
MITSO34B	16	367	140
MITSO35B D/S N/S	14	315/305	120
MITSO38B	19	323	72/93
MITSO38C	19	336	72/93
MITSO39A D/S N/S	21	330/320	113.5
MITSO39B D/S N/S	21	350/340	113.5
MITSO39C	22	335	113.5
MITSO40B	18	328	64/93
MITSO40C	19	320	64/93
MITSO42A	17	370	145
MITSO42B	17	388	145



COIL SPRINGS



SPRING NUMBER	WIRE DIAMETER (mm)	FREE HEIGHT (mm)	END I/D (mm)
NISS007B D/S N/S	16	415/400	89/122
NISS008B D/S N/S	17	490/480	139
NISS009B D/S N/S	17	410/387	87/122
NISS009C D/S N/S	18	415/398	89/122
NISS010B D/S N/S	19	468/448	139
NISS010C D/S N/S	19	488/470	139
NISS018B	14	427	106
NISS020B D/S N/S	19	490/480	139
NISS020C D/S N/S	20	475/458	139
NISS020D D/S N/S	22	475/453	139
NISS024B D/S N/S	17	425/410	87/122
NISS026B D/S N/S	18	484/469	87/122
NISS027B D/S N/S	20	535/521	139
NISS034B	16	400	119/146.5
NISS035B	15	370	126
NISS038B	15	325	134/176
NISS039B	15	325	114/176
NISS040B	17	370	81
NISS040C	17	380	81
NISS042B	19	443	119
NISS042C	20	443	119
NISS043B D/S N/S	19	525/510	87/122
NISS044B D/S N/S	21	590/575	139
NISS045B	20	388	101
NISS045C	20	393	101
NISS046B	21	510	121
NISS046C	21.5	515	121
SSANG002B	16	410	116
SUB001B	15	350	123/144
SUB002B D/S N/S	15	345/340	128
SUB003B	15.5	355	123/144
SUB004B	15	365	99/135
SUZ004B	12	345	70/82.5
SUZ003B	16	280	70.5/82.5
SUZ005B	16	290	70.5/82.5
SUZ006B	13	340	72/82
SUZ007B D/S N/S	10	308/293	70
SUZ008B	11	322	82.5
SUZ009B	12	372	75/82.5
SUZ010B D/S N/S	11.5	348/328	75/84
SUZ013B	12.5	345	62/80
SUZ015B	16	320	72/82
SUZ016B	12.5	360	62/80
SUZ017B	16	340	72/82
SUZ018B	14	360	63/96
SUZ019B	16	385	125
SUZ019C	16	395	125
SUZ020A	16.5	363	72
SUZ020B	17	366	72

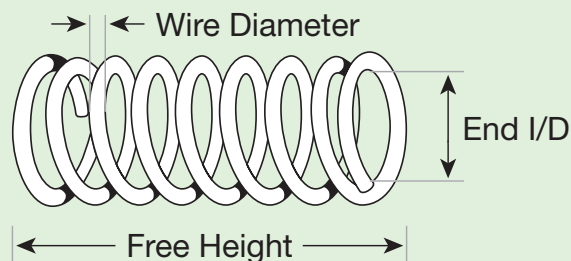




COIL SPRINGS

SPECIFICATIONS

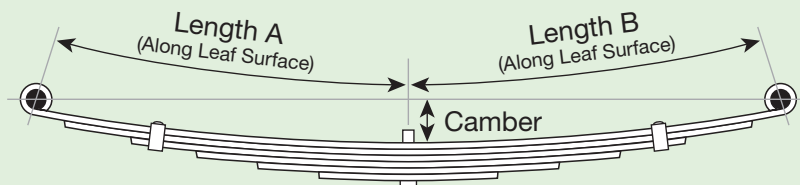
SPRING NUMBER	WIRE DIAMETER (mm)	FREE HEIGHT (mm)	END I/D (mm)
TOY012C D/S N/S	19	515/520	84/119
TOY013B D/S N/S	18	485/495	108/140
TOY013C D/S N/S	20	490/497	108/140
TOY017A	16	445	90
TOY017B	16	463	90
TOY018B D/S N/S	14	395/380	86/100
TOY019B D/S N/S	16	420/405	86/125
TOY023B D/S N/S	16	390/385	103/133
TOY023C D/S N/S	17	375/370	103/134
TOY024B D/S N/S	17	480/485	81/116
TOY024C D/S N/S	17	500/505	82/117
TOY025B D/S N/S	18	473/483	108/139
TOY025C D/S N/S	19	460/475	107/139
TOY025D D/S N/S	22	470/478	108/140
TOY038B D/S N/S	16	348/357	67/76
TOY038C	17	365	67/76
TOY039A	15	398	74/114
TOY039B	15	410	74/114
TOY039C	17	385	74/114
TOY046A	16	470	86/100
TOY046B	17	458	86/100
TOY046C	18	450	86/100
TOY048B	14	438	100
TOY049B	17	450	87/125
TOY055A	16.5	380	66/76
TOY055B	17	380	66/76
TOY055C	18	373	66/76
TOY056A	16.5	400	83.5/130.5
TOY056B	17	395	83/130
TOY056C	18	392	85/130
TOY060B D/S N/S	20	614/622	84/119
TOY061B D/S N/S	21	627/637	108/140
TOY063B D/S N/S	19	470/460	73/89
TOY063C D/S N/S	19	475/465	73/89
TOY064B D/S N/S	19	480/465	108/144
TOY064C D/S N/S	21	475/465	108/144
TOY065B	18.5	370	65.5/75.5
TOY065C	19	370	65/75
TROL001B	16	390	94
TROL002B	16	430	102
VOLKS001B	17.5	330	65.5/90
VOLKS001C	18	330	65.5/90



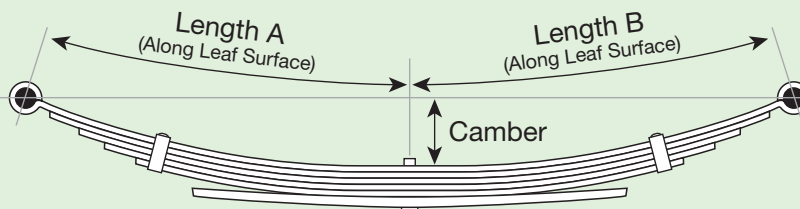
LEAF SPRINGS



SPRING NUMBER	LENGTH A (mm)	LENGTH B (mm)	CAMBER (mm)	LEAVES
HOLD004B D/S N/S	550	650	250/240	5+1
HOLD004C D/S N/S	550	650	250/240	6+1
HOLD006B	600	600	220	5+1
HOLD006C	600	600	220	6+1
IMAZ002B	650	700	165	8
JEEP004B D/S N/S	585	725	195/175	5+2
MAZDA006A	530	670	165	5+1
MAZDA006B	530	675	150	6+2
MAZDA006C	530	675	165	6+2
MAZDA006D	530	675	150	7+2
MAZDA041A	590	730	140	4+2
MAZDA041B	590	730	140	4+2
MAZDA041C	590	720	140	5+2
MAZDA041D	590	720	130	6+2
MITSO18B	515	685	195	4+1
MITSO18C	517.5	687.5	190	5+1
MITSO41A	515	685	150	4+1
MITSO41B	515	685	155	4+1
MITSO41C	515	685	155	5+1
NISS003B D/S N/S	560	550	185/170	6
NISS004B D/S N/S	604	838	250/235	8
NISS005B D/S N/S	560	550	185/170	6
NISS011C D/S N/S	550	550	180/170	7
NISS012C D/S N/S	595	825	217/200	7+2
NISS012D D/S N/S	600	830	240/225	7+3
NISS014A D/S N/S	565	635	145/135	4+2
NISS014B D/S N/S	565	635	130/120	4+1
NISS014C D/S N/S	565	635	130/120	5+1
NISS021B	650	580	200	8
NISS041B	670	735	195	5+1
NISS041C	670	730	190	6+1
NISS041D	670	730	180	7+2
NISS047B	635	715	195	7+1



Single Stage Springs



Two Stage Springs



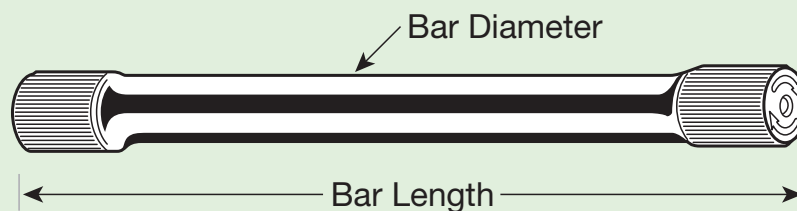
LEAF SPRINGS

SPRING NUMBER	LENGTH A (mm)	LENGTH B (mm)	CAMBER (mm)	LEAVES
SUZ001B D/S N/S	480	470	120/110	5
SUZ002B	510	520	155	4+1
SUZ002B D/S	510	520	175	4+1
TOY001B	505	610	160	7
TOY002B	505	620	180	7
TOY003C	660	660	230	7+3
TOY004B	502	610	160	7
TOY004C	502	603	155	8
TOY005C	655	675	230	7+3
TOY006B	550	550	150	7
TOY006C	550	550	175	8
TOY006D	550	550	175	9
TOY007A D/S N/S	565	655	230/220	7
TOY007B D/S N/S	565	645	220/205	6+1
TOY007C D/S N/S	565	655	230/220	7+1
TOY008B	550	590	180	7
TOY008C	550	590	180	8
TOY009B	600	730	210	6+2
TOY009C	603	720	210	7+2
TOY009D	600	720	215	8+2
TOY009E	605	720	220	9+2
TOY010B D/S N/S	575	575	135/115	5
TOY010C D/S N/S	575	575	130/110	6
TOY011B	530	670	200	4+2
TOY011C	530	670	210	5+2
TOY027A	560	740	200	6+2
TOY027B	560	740	200	4+2
TOY027C	560	740	200	5+2
TOY034B	505	630	205	7
TOY047A	690	815	245	7+2
TOY047B	690	815	245	8+2
TOY047C	690	815	245	9+2
TOY047D	693	820	265	9+3
TOY057A	610	690	180	6+2
TOY057B	610	690	200	4+2
TOY057C	610	690	200	5+2
TOY062B	615	785	245	7+2
TOY062C	615	785	245	8+2
VOLKS002B	745	757	270	5+2
VOLKS002C	745	757	270	6+2

TORSION BARS



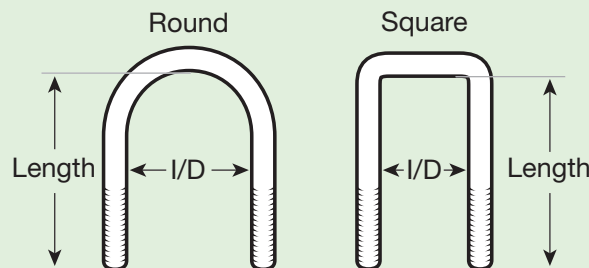
TORSION BAR NUMBER	BAR LENGTH (mm)	BAR DIAMETER (mm)
HOLD003A	927	26
HOLD005A	1000	26
HOLD007	1000	26
HOLD009	1220	30
HOLD010	1144	30
HYUND004	1275	29.3
MAZDA005	924	26
MAZDA014	1025	27
MITS013	1278	26
MITS015C	1370	27.5
MITS019	1308	27.5
MITS031	1165	24
NISS013	1203	26
NISS017	1232	26
NISS025	891	26
NISS048	865	26
SSANG001	1040	26
TOY026	1063	26
TOY050	1160	32
TOY051	1210	32





U-BOLTS

UBOLT NUMBER	TYPE (mm)	LENGTH (mm)	I/D (mm)	THREAD
415	ROUND	215	83	M14 X 1.5 X 100
416	ROUND	230	83	M14 X 1.5 X 100
417	ROUND	220	88	M14 X 1.5 X 80
436	SQUARE	230	73	M14 X 1.5 X 100
437	SQUARE	175	62	M14 X 1.5 X 100
449	SQUARE	230	83	M14 X 1.5 X 100
451	ROUND	190	75	M12 X 1.5 X 75
452	SQUARE	120	63	M12 X 1.5 X 75
453	ROUND	230	97	M14 X 1.5 X 100
512	ROUND	160	70	M12 X 1.5 X 65
654	ROUND	165	82	M12 X 1.5 X 75
655	ROUND	140	70	M12 X 1.5 X 65
658	ROUND	170	65	M12 X 1.25 X 65
659	ROUND	170	80	M12 X 1.25 X 65
663	ROUND	220	90	M12 X 1.25 X 120
668	SQUARE	230	73	M14 X 1.5 X 100
669	SQUARE	230	73	M14 X 1.5 X 100
670	ROUND	230	95	M14 X 1.5 X 100
678	SQUARE	200	62	M14 X 1.5 X 70
788	SQUARE	190	63	M12 X 1.25 X 65
1100	ROUND	230	110	M14 X 1.5 X 100
1102	SQUARE	155	72	M12 X 1.5 X 65



COIL SPRING SPACERS

SPACER NUMBER	O/D (mm)	I/D (mm)	THICKNESS (mm)	MATERIAL
HILFR 05 / 10 / 15	63	54.55	5 / 10 / 15	STEEL
LCF20 / 30	160	114.5	20 / 30	POLYURETHANE
LCR15 / 30	187	133.5	15 / 30	POLYURETHANE
PATF15 / 30	172	116	15 / 30	POLYURETHANE
PATR15 / 30	180	120	15 / 30	POLYURETHANE



SHOCK ABSORBER BOOTS

BOOT NUMBER	END I/D (mm)	MIN LENGTH (mm)	MAX LENGTH (mm)
142006	40/56	60	190
142006A	40/56	65	225
142007	40/56	100	290
142008	50/56	100	290

GAS SHOCK ABSORBERS



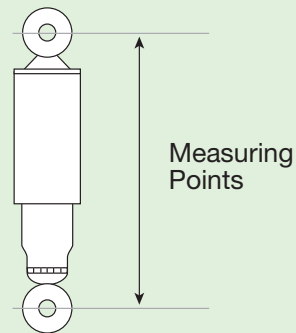
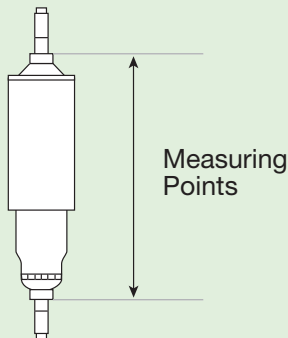
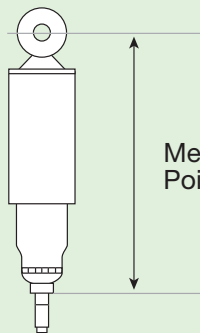
SHOCK ABSORBER	EXTENDED (mm)	COMPRESSED (mm)	UPPER MOUNT TYPE	LOWER MOUNT TYPE
12075GR	487	296	ST1	ST1
12076GR	583	347	B1	ST1
12080GR	552	332	ST38	ST38
12081GR	631	388	B2	B2
12082GR	342	227	ST1	CB7
12083GR MINI STRUT	505	310	STEM 57 X M14	CLEVIS
12085GR	485	297	ST1	B1
12086GR	500	310	B1	B1
12087GR	351	229	ST1	ET17
12088GR	368	245	ST1	ET113
12089GR	510	320	ST1	ET83
12091GR	510	310	ST38	ST38
12094GR	655	402	B2	B2
12095GR	631	382	ET104	ET69
12635GR	485	307	B1	B1
12636GR	588	357	B1	B1
12637GR	577	348	ST1	B2
12639GR	484	298	ST1	ET17
12640GR	563	343	B2	ST38
12643GR	412	261	ST6	ET17
12644GR	510	320	ET153	ET36
12645GR	531	333	B1	ET142
12646GR	496	311	ST1	ET113
12648GR	640	385	B2	ST1
12650GR	592	362	B2	B2
12652GR	540	335	B1	B1
12658GR	510	320	ST1	ET83
12661GR	535	329	ST1	B2
12665GR	565	345	ST1	CB7
12666GR	560	340	CB20	B5
12667GR	381	245	ST1	ET17
12669GR	560	340	CB20	ET24
12670GR	562	342	B5	ET24
12671GR	627	372	ST1	B1
12682GR	618	373	ST38	B2
12683GR	615	365	ST38	ST38
12691GR STRUT	462	343	ST38	ET153
12696GR	560	336	ET161	ST1
12697GR	520	320	B2	ST1
12698GR	624	381	B1	B1
12710GR STRUT	540	408	STEM 95.5 X M12	ET153-1
12711GR STRUT	317	205	STEM 68.5 X M10	-
12712GR	570	355	ET19	ET141
12713GR STRUT	470	325	STEM 86.5 X M10	ET158
12714GR	575	350	ST1	ET159
12715GR STRUT	418	300	STEM 71 X M10	ET158-1
12716GR STRUT	387	282	STEM 85 X M12	ET153-2
12717GR	575	350	B1	ET34



GAS SHOCK ABSORBERS

SPECIFICATIONS

SHOCK ABSORBER	EXTENDED (mm)	COMPRESSED (mm)	UPPER MOUNT TYPE	LOWER MOUNT TYPE
12718GR	380	265	ET159	ET159
12720GR STRUT	600	435	STEM 69 X M14	ET113-1
12721GR McPHERSON STRUT	607	382	STEM 28 X M14	CLEVIS
12722GR	545	340	ET83	ET83
12725GR	615	460	STEM 56 X M12	-
12726GR	632	378	ET69	ET69
12740GR STRUT	452	299	STEM 81 X M12	ET158-2
12742GR	564	356	ST42	ET160
12750GR STRUT	552	425	STEM 68 X M12	ET153-3
12751GR	575	352	ST38	ET69
12751LGR	650	382	ST38	ET69
12752GR	617	374	CB35	ET69
12752LGR	665	396	CB35	ET69
12755GR	625	396	ET113	ET113
12756GR	430	286	ET173	ET173
12757GR	650	390	CB34	ET34
12759GR	450	285	ST1	ET17
12760GR	500	310	B1	B1
12774GR	550	330	ST6	CB7
12775GR	575	350	ET61	ET65
12776GR	585	362	ET172	CB34
12777GR	587	362	ET172	ET172
12791GR	310	215	ST1	ET17
12795GR	442	290	ST21	ET153
12796GR	615	365	ST21	B2



Shock Absorber Mount Codes, See Page 116

FOAM CELL SHOCK ABSORBERS

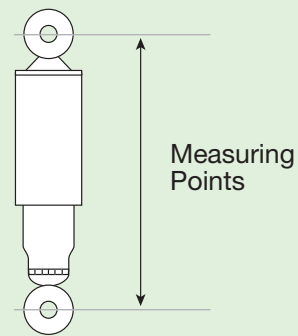
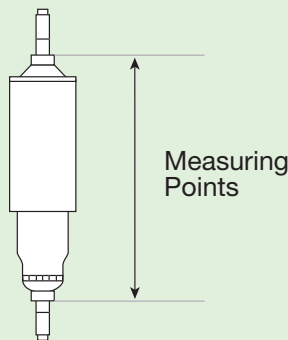
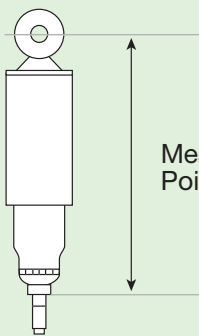


SHOCK ABSORBER	EXTENDED (mm)	COMPRESSED (mm)	UPPER MOUNT TYPE	LOWER MOUNT TYPE
24080FE	552	332	ST38	ST38
24081FE	631	388	B2	B2
24082FE	342	227	ST1	CB7
24087FE	351	229	ST1	ET17
24088FE	368	245	ST1	ET113
24091FE	510	310	ST38	ST38
24091LFE	557	327	ST38	ST38
24091LFE1	597	362	ST38	ST38
24094FE	655	402	B2	B2
24094LFE	718	425	B2	B2
24094LFE1	760	460	B2	B2
24095FE	631	382	ET104	ET69
24635FE	485	307	B1	B1
24636FE	588	357	B1	B1
24637FE	577	348	ST1	B2
24639FE	484	298	ST1	ET17
24640FE	563	343	B2	ST38
24643FE	412	261	ST6	ET17
24644FE	510	320	ET153	ET36
24645FE	531	333	B1	ET142
24646FE	496	311	ST1	ET113
24648FE	640	385	B2	ST1
24650FE	592	362	B2	B2
24652FE	540	335	B1	B1
24661FE	535	329	ST1	B2
24665FE	565	345	ST1	CB7
24666FE	560	340	CB20	B5
24667FE	381	245	ST1	ET17
24682FE	618	373	ST38	B2
24682LFE	670	393	ST38	B2
24682LFE1	730	423	ST38	B2
24683FE	615	365	ST38	ST38
24683LFE	670	385	ST38	ST38
24683LFE1	730	415	ST38	ST38
24691FE STRUT	462	343	ST38	ET153
24696FE	560	336	ET161	ST1
24697FE	520	320	B2	ST1
24698FE	624	381	B1	B1
24710FE STRUT	540	408	STEM 95.5 X M12	ET153-1
24713FE STRUT	470	325	STEM 86.5 X M10	ET158
24715FE STRUT	418	300	STEM 71 X M10	ET158-1
24716FE STRUT	387	282	STEM 85 X M12	ET153-2
24717FE	575	350	B1	ET34
24718FE	380	265	ET159	ET159
24720FE STRUT	600	435	STEM 69 X M14	ET113-1
24740FE STRUT	452	299	STEM 81 X M12	ET158-2
24742FE	564	356	ST42	ET160
24750FE STRUT	552	425	STEM 68 X M12	ET153-3
24776FE	587	362	ET172	CB34
24777FE	587	362	ET172	ET172
24795FE	442	290	ST21	ET153
24796FE	615	365	ST21	B2



STEERING DAMPERS

DAMPER NUMBER	EXTENDED (mm)	COMPRESSED (mm)	UPPER MOUNT TYPE	LOWER MOUNT TYPE
3501	550	345	B9	B9
3502	655	394	ET65	ET65
3511	525	310	ST1	ST1
3517	609	368	B6	B6
3521	540	340	ST1	B9
3522	541	331	B1	B1
3523	458	322	B9	B9
3524	648	423	B9	B9
3525	748	443	B9	B9
3530	445	290	ET17	ET17
3532	677	439	ST1	ET57
3533	613	368	ET109	B9
3534	577	350	ET17	B1
3536	487	292	ST1	ST1
3540	501	312	B6	ET24



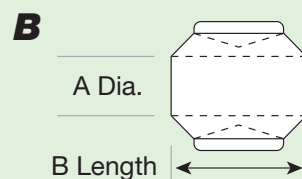
Shock Absorber Mount Codes, See Page 116

MOUNT CODES

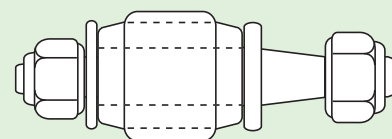


MOUNT NUMBER	"A" DIAMETER (mm)	"B" LENGTH (mm)	O/D (mm)
B1	16	36	29
B2	19	43.5	36
B5	15.5	33	29

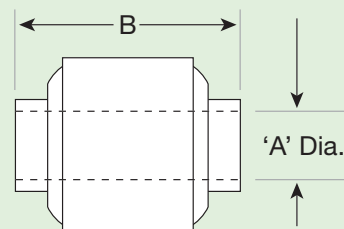
MOUNT NUMBER	"A" DIAMETER (mm)	"B" LENGTH (mm)	O/D (mm)
ET17	12	31.5	
ET19	12	46	
ET24	12.5	36	
ET34	14	41.5	
ET36	19	44	
ET57	10	26.1	
ET61	12	46	
ET65	12	36	
ET69	12	40	
ET83	12	37.5	
ET104	20	43	
ET109	10	24.1	
ET113	16	38.5	
ET113-1 (S)	16	38.5	51.5
ET141	12	41	
ET142	16	36.5	
ET153 (S)	14	40	35.4
ET153-1 (S)	14	40	40.2
ET153-2 (S)	14	41.5	35.4
ET153-3 (S)	14	41.5	40.2
ET158 (S)	14	50	41.1
ET158-1 (S)	14	50	35.4
ET158-2 (S)	14	50	45.1
ET160 (S)	14	53	
ET159	14	50	
ET161	16	70	
ET172	12.4	43.5	
ET173	13	42.5	



B6, B9



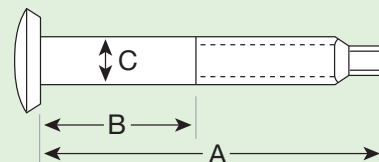
ET



(S) = Sleeved Load Bearing Rubber Bush

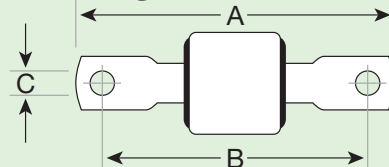
MOUNT NUMBER	"A" LENGTH (mm)	"B" LENGTH (mm)	"C" DIAMETER (mm)
ST1	60	26	10
ST6	65	34	11
ST21	84	59	17
ST38	70	43	14
ST42	80	44	RECTANGLE M12

ST



MOUNT NUMBER	"A" LENGTH (mm)	"B" LENGTH (mm)	"C" DIAMETER (mm)
CB7	78	62	11.5
CB20	95	77	13
CB34	97	75	11
CB35	90	80	10

CB





MAKE/MODEL	YEAR	PART #	MAKE/MODEL	YEAR	PART #
DAIHATSU			MAZDA		
Feroza F300, F310	88-99	LP1	Bravo/BT50	All	LP3
Feroza II	All	LP4	B1800/B2000 4x2	All	LP3
Rocky	All	LP1	B2200/B2600 4x2, 4x4	All	LP1
FORD			E1400	All	LP1
Courier / Ranger	All	LP3	E1800	All	LP1
Econovan & Spectron	All	LP1	E2000	All	LP1
Falcon Sedan XR-XD	All	LP4	E2200	All	LP1
Falcon Panel Van XR-XH	All	LP4	MERCEDES BENZ		
Falcon Utility 1 Ton XR - On	All	LP4	MB100	99-02	LP4
Bronco 4x4 (3" springs)	78-96	LP7	MB140	99-02	LP4
Bronco 4x4	66-77	LP4	Sprinter	98-01	LP4
Bronco II	82-91	LP4	DAIHATSU		
F100, F150 4x2 (2.5" springs)	62-96	LP4	Pajero (leaf springs)	All	LP4
F100, F150 4x4 (3" springs)	70-96	LP7	Triton 4x2, 4x4	All	LP4
F150 4x2	97-01	LP4	L200/L300 Van	All	LP4
F150 4x4	97-01	LP7	Starwagon/Express Van	All	LP4
F250 Superduty	99-01	LP7	NISSAN/DATSUN		
F250 4x2	57-79	LP7	Navara D21, D22-4x2, 4x4	All	LP3
F250 4x4 (3" springs)	78-96	LP7	Navara D40	05 On	LP2
Transit Van (with leaf springs)	All	LP4	Urvan	All	LP3
* Not suitable Falcon wagon, except dedicated LPG			Patrol GQ/GU Cab/Chassis	88-01	LP4
HOLDEN			Patrol MQ/MK, G160, Y260	All	LP3
Commodore 1 Tonne	All	LP1	SUZUKI		
Jackaroo	All	LP3	Sierra	All	LP5
Rodeo 4x2, 4x4*	81-03	LP3	TOYOTA		
Shuttle	All	LP3	Hiace	All	LP3
Utility and Van HQ-WB	All	LP4	Hilux 4x2, 4x4	All	LP2
* Not suitable for Rodeo 2003-On models, with interleaf liners			Land Cruiser FJ40/BJ40-42	60-84	LP4
JEEP			Land Cruiser FJ/HJ60, 61, 62	80-90	LP4
Wrangler YJ	86-95	LP4	Land Cruiser HJ/HZJ 75*	84-99	LP4
KIA			Land Cruiser HZJ 78, 79*	99-02	LP9
Pregio	All	LP4*	Land Cruiser 76	All	LP4
* Not suitable for Kia vehicles with tow bar fitted.			4 Runner (leaf springs)	85-98	LP2
			Townace	All	LP1
			* Land Cruiser Drum brake rear models only		

LOAD PLUS	"WIDTH" (mm)	"THICKNESS" (mm)	"LENGTH" (mm)
LP1	60mm	x 12mm	x 425mm
LP2	60mm	x 12mm	x 420mm
LP3	60mm	x 12mm	x 442mm
LP4	70mm	x 12mm	x 442mm
LP5	50mm	x 8mm	x 310mm
LP6	60mm	x 12mm	x 425mm
LP7	75mm	x 12mm	x 438mm
LP9	70mm	x 16mm	x 435mm



TERMS AND CONDITIONS OF SALE

1. **Interpretation**
In these Terms and Conditions of Sale ("Terms"), "Goods" means the goods the subject of the Contract; "JSW Parts Pty. Ltd." means the entity selling the Goods; "Buyer" means the entity purchasing the Goods; "Contract" means each contract between JSW Parts Pty. Ltd. and Buyer for the sale and purchase of Goods and "order" includes "offer".
2. **Terms and Conditions**
The only terms of the Contract are those agreed to in writing by JSW Parts Pty. Ltd., these Terms (to the extent they are not inconsistent with terms agreed to in writing by JSW Parts Pty. Ltd.) and those which are implied or imposed by law (including the Trade Practices Act 1974 Cth) to the extent that it is not lawful or possible to exclude them. All other terms, conditions and warranties are expressly excluded. If a conflict arises between the terms of any order made by Buyer and these Terms, these Terms will prevail. An agreement to deliver the Goods in instalments is taken to be a separate Contract for each instalment. These Terms and each Contract including them are governed by the laws of New South Wales and JSW Parts Pty. Ltd. and Buyer submit to the jurisdiction of the courts of that State. If a term is held to be unenforceable, the remaining terms will apply.
3. **Quotations and Orders**
Any quotation made by JSW Parts Pty. Ltd. will not be construed or operate as an offer or obligation to sell. JSW Parts Pty. Ltd. reserves the right to accept or reject in its absolute discretion any order received by it. Buyer will not be entitled to cancel or refuse delivery of, or payment for, any order made by it which has been accepted by JSW Parts Pty. Ltd.
4. **Price**
The price payable to JSW Parts Pty. Ltd. by Buyer for the Goods will be the price agreed, failing which it will be the price prevailing at the date the Goods are dispatched by JSW Parts Pty. Ltd. for delivery to Buyer. Prices are payable in Australian currency and exclusive of delivery costs, taxes, duties and other imposts which, if changeable, are payable by Buyer. Prices quoted in any JSW Parts Pty. Ltd. price list are suggested prices only and may be changed by JSW Parts Pty. Ltd. without notice.
5. **Payment**
Buyer must pay cash for the Goods on delivery or, at JSW Parts Pty. Ltd.'s absolute discretion, strictly within 30 days of delivery. JSW Parts Pty. Ltd. will appropriate payments first to outstanding interest and then to outstanding accounts in the date order rendered.
6. **Overdue Amounts**
If Buyer fails to pay all or part of any amount to JSW Parts Pty. Ltd. when due, interest will be payable on that amount from its due date until it is paid in full at a rate equivalent to 2% per annum above the overdraft rate from time to time charged to JSW Parts Pty. Ltd. by its principal banker.
7. **Delivery**
JSW Parts Pty. Ltd. will make all reasonable efforts to deliver the Goods on the dates agreed, to the place or carrier designated by Buyer. JSW Parts Pty. Ltd. has the right to make delivery in instalments and to deliver those of the Goods available for delivery. Buyer has no right to terminate the Contract because of a delay in delivery.
8. **Warranty**
JSW Parts Pty. Ltd. warrants that its products are manufactured to S.A.E.- Society of Automotive Engineers - specifications for the particular product. JSW further warrants that all products sold hereunder are free from defects in material and workmanship.

JSW Parts Pty. Ltd. will, at its sole option, repair or replace any products supplied by it which are found to be defective in either materials or workmanship providing that JSW Parts Pty. Ltd. is actually notified in writing from Buyer of the alleged defect within ninety (90) days from the date of invoice. Any claim not made within this period shall conclusively be deemed waived by the Buyer. Repair or replacement is preconditioned on the examination of the goods by JSW Parts Pty. Ltd., and, if requested by JSW Parts Pty. Ltd. return of the goods to JSW Parts Pty. Ltd.

No Products are to be returned to JSW Parts Pty. Ltd. without its written consent, according to procedures outlined in this manual, and the receipt by the Buyer of specific shipping instructions. JSW Parts Pty. Ltd. shall not be liable for any expense incurred by Buyer in order to remedy any defect in its products. JSW shall not be liable for any consequential, special, indirect or contingent damage or expense arising directly or indirectly from any defect in its products or from use of any products. This warranty does not apply to (1) Goods bought for industrial, mining or agricultural use, (2) Goods bought for resupply or resale, (3) Goods no longer required by Buyer, (4) Goods incorrectly chosen by Buyer; or (5) Goods modified or altered by Buyer (including changing colour).

EXCEPT AS SET FORTH HEREIN, AND EXCEPT AS TO TITLE, IT IS EXPRESSLY AGREED (a) THAT THERE IS NO WARRANTY OR MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, NOR OTHER WARRANTY, EXPRESS, IMPLIED OR STATUTORY, NOR ANY AFFIRMATION OF FACT, OR PROMISES BY JSW PARTS PTY. LTD. WITH REFERENCE TO THE GOODS WHICH EXTENDS BEYOND THE SPECIFICATIONS, IF ANY, MUTUALLY AGREED UPON BY JSW PARTS PTY. LTD. AND THE BUYER AND (b) THAT THE BUYER ACKNOWLEDGES THAT IT IS PURCHASING THE GOODS SOLELY ON THE BASIS OF THE COMMITMENTS OF JSW PARTS PTY. LTD. EXPRESSLY SET FORTH HEREIN. NO PERSON IS AUTHORIZED TO CHANGE OR ADD TO ANY OF JSW PARTS PTY. LTD.'S OBLIGATIONS UNDER THIS WARRANTY. IN NO EVENT SHALL JSW PARTS PTY. LTD. BE LIABLE FOR ANTICIPATED PROFITS OR FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.

Buyer agrees to indemnify and hold JSW Parts Pty. Ltd. harmless from and against any loss, injury or damage, to person or property, that extends beyond the warranties set forth above, whether the claims against JSW Parts Pty. Ltd. or the damages are incidental or consequential.



TERMS AND CONDITIONS OF SALE

9. **Damage**

Buyer acknowledges that the Goods leaving JSW Parts Pty. Ltd.'s premises are adequately packed. Claims for damage in transit must be made against the carrier and, while JSW Parts Pty. Ltd. will not accept liability for any damage, details of any claim must be promptly advised to JSW Parts Pty. Ltd. Prior to acknowledging delivery to the carrier, Buyer must ensure that the complete consignment has been received as specified in the carrier's note. Any shortage or visible damage to outer packaging must be endorsed on the carrier's note. Any shortages and/or damages must be reported to JSW Parts Pty. Ltd. within 72 hours or receipt.

10. **Title**

10.1 Title to the Goods will not pass to Buyer until the earlier of:

- (a) JSW Parts Pty. Ltd. being paid in full under all Contracts; or
- (b) the sale by Buyer of the Goods in its ordinary course of business (in which case Buyer must keep an accurate account of each sale, hold the proceeds of each sale separate from Buyer's own money and pay JSW Parts Pty. Ltd. in full from the proceeds of the purchase price of each sale despite that the payment is not otherwise due.).

10.2 Until title to the Goods passes to Buyer, Buyer must:

- (a) hold the Goods as bailee for JSW Parts Pty. Ltd. and keep them in goods order and condition;
- (b) not remove any markings placed by JSW Parts Pty. Ltd. and ensure that the Goods can be readily identified and distinguished from other property in Buyer's possession; and
- (c) deliver the Goods to JSW Parts Pty. Ltd. immediately upon demand and, for this purpose, JSW Parts Pty. Ltd. is authorized to enter at any time any premises on which the Goods may be located (the costs incidental to which will be borne by Buyer).

11. **Risk**

Risk in the Goods (including insurance responsibility) passes to Buyer on delivery of the Goods to the place or carrier designated by Buyer or, if sooner, possession of the Goods passes to Buyer or its agent.

12. **Implied Terms, Limitation of Liability and Buyers Indemnity**

12.1 Subject to Clause 2, JSW Parts Pty. Ltd.'s liability for any breach of a condition or warranty imposed or implied by law in respect of any Goods or services which are not of a kind ordinarily acquired for personal, domestic or household use or consumption (provided that this provision does not apply if Buyer establishes that it is not fair or reasonable for JSW Parts Pty. Ltd. to rely on it) will be limited to:

- (a) in the case of Goods supplied, any one or more of the following (as JSW Parts Pty. Ltd. may determine):
 - (i) replacement of the Goods or the supply of equivalent goods;
 - (ii) repair of the Goods;
 - (iii) payment of the cost of replacing the Goods or of acquiring or obtaining equivalent goods; or
 - (iv) payment of the cost of having the Goods repaired; and
- (b) in the case of services supplied, any one of the following (as JSW Parts Pty. Ltd. may determine):
 - (i) supplying the services again; or
 - (ii) payment of the costs of having the services supplied again.

12.2 Subject to these Terms, JSW Parts Pty. Ltd. will not be liable for any loss, damage, expense or injury of any kind or nature suffered or incurred by Buyer or any other person, arising out of or in connection with, the Contract (including, without limitation, liability due to negligence or wilful default of JSW Parts Pty. Ltd. and any delay in delivery) or any error (whether negligent or not) in information supplied to Buyer in connection with its subject matter or the use, possession or delivery of the Goods or the exercise by JSW Parts Pty. Ltd. of its rights under Clause 16 and Buyer will indemnify JSW Parts Pty. Ltd. in relation to any such loss, damage, expense or injury.

13. **Claims**

Any claim made by Buyer must be in writing and contain the particulars specified in the JSW Parts Pty. Ltd.'s "Application for Exchange or Credit" or "Applications for Warranty" and be received by JSW Parts Pty. Ltd. within 14 days after delivery of the Goods. Subject to the Contract, no claim for credit will be recognised where (1) the Goods are made to special order or Buyer's specifications or drawings, (2) are no longer required by Buyer, (3) are returned without the particulars required by this Clause, (4) Buyer has modified or altered the Goods (including changing colour) or (5) if the JSW Parts Pty. Ltd. Catalogue stipulates that return will not be accepted. If Buyer insists on returning the Goods, it must pay JSW Parts Pty. Ltd. a handling fee equal to 40% or the price of the Goods.

14. **Force Majeure**

Despite any other term or condition of the Contract, JSW Parts Pty. Ltd. will not be liable for any loss, damage, expense or injury of any kind or nature suffered or incurred by Buyer or any other person, arising out of or in connection with any delay in delivery, or failure to perform any other term or condition of the Contract where that delay or failure is caused by an act of God, fire, labour dispute, civil commotion, intervention of a government, inability to obtain labour, materials or manufacturing facilities, accidents, interruptions of or delay in transportation or any other cause beyond JSW Parts Pty. Ltd.'s reasonable control

15. **Errors or Omissions**

JSW Parts Pty. Ltd. has the right to correct any clerical errors or omissions, whether in computation or otherwise in any quotation, acknowledgment, or document forming part of a Contract.

16. **Breach by Buyer**

If Buyer breaches a Contract or JSW Parts Pty. Ltd. is not satisfied of a Buyer's ability to pay or otherwise comply with each Contract, JSW Parts Pty. Ltd. may by notice to Buyer, but without compensation, terminate every Contract, suspend or cease deliveries under all Contracts, set-off all deposits against amounts due and made all amounts then outstanding by Buyer to JSW Parts Pty. Ltd. immediately due and payable.

17. **Waiver**

JSW Parts Pty. Ltd.'s right under the Contract are cumulative and in addition to any other rights. No delay or failure by JSW Parts Pty. Ltd. to enforce any right is a waiver of that right. Any waiver by JSW Parts Pty. Ltd. of any term or breach of the Contract is not to be taken as a continuing waiver or a waiver of any subsequent breach.



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