



Suspension

Catalogue

Effective September 1, 2017



INTERNATIONAL

VOLUME 16



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



**LOAD PLUS
HELPER SPRINGS**

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 4x4 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.

WARRANTIES AGAINST DEFECTS

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



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Duster 2010+	20	B Series		Sierra	
FIAT		Bravo 1987 - 2006	63	Samurai LJ, SJ (Leaf) 1981+	113
Fullback 2016+	21	BT50 2006 - 2011	64	SJ80 (Coil) 1997+	114
FORD		BT50 2011+	65	Jimny	
Courier / Ranger 1985 - 2006	22	MERCEDES BENZ		SN413 1998+	115
Ranger		G-Wagen		Vitara	
PJ - PK 3/2006 - 2011	23	G55 AMG	66	1988+	116
T6 PX / PK MkII 2011+	24	Unimog		Grand Vitara	
Everest 2015+	27	UL 1700 / 2450 / U5000 / 1300 / 1550 / U4000	67	1988 - 7/2005	117
HAVAL		MITSUBISHI		8/2005 - 2015	118
H9 Wagon	28	Triton		SUBARU	
HOLDEN / CHEVROLET / ISUZU		L200 Pre 1993	68	Forester SF5, GX, RX, GT 1997 - 2008	119
Jackaroo		ME - MJ 1993 - 1996	69	TOYOTA	
Isuzu Trooper Pre 1986	29	MK L200 1996 - 2006	70	Hilux	
Isuzu Trooper 11/1986 - 1991	30	ML - MN L200 2005 - 2015	71	Solid Front Axle 1979 - 10/1983	120
Isuzu Trooper / Bighorn / Monterey 1992+	31	MQ L200 2015+	72	Solid Front Axle 11/1983 - 11/1997	121
Frontera		Pajero		IFS 107, 108, 110, 111, 167 1997 - 2005	122
1995 - 1/1999	32	Montero NA - NG (Leaf) Pre 1991	73	2WD 2005+	127
Rodeo		Montero NH - NL (Leaf) 1991 - 1999	74	Hilux / Vigo 2005 - 2015	128
KB - TF 1983 - 1988	33	Montero NA - NG (Coil) 1988 - 1991	75	Hilux / Revo 2015+	130
KB - TFS 1988 - 3/2003	34	Montero NH - NL (Coil) 6/1991 - 2000	76	4Runner	
Rodeo / Colorado / D-Max		Montero NM - NX 2000+	77	Gen 1, N60 (Leaf) 1988 - 1997	123
RA / RA7 / RC 2003 - 2012	35	Pajero Sport / Montero Sport / Dakar PB 2009+	80	Gen 2, Surf N130 V6 (Coil) 1990 - 1997	124
Colorado / D-Max		Pajero Sport 2.4L Mivec 2015+	81	Gen 3, N180 - N185 1996 - 2002	125
RG 2012 - 2016	36	iQ Pinin 1999+	82	Gen 4 and 5, N210 - N280 2003+	126
RG 2016+	38	Challenger		Landcruiser	
Colorado / D-Max		Montero Sport PA (Leaf) 1998 - 2006	78	40 Series 1960 - 1980	132
2WD 2012+	40	Montero Sport PA (Coil) 1998 - 2008	79	40, 42, 46 Series 1980 - 1984	133
Colorado 7 / Trailblazer 2012 - 2016	41	Delica		45 Series 1960 - 1980	134
MU-X 2013+	42	L400 1994+	83	45, 47 Series 8/1980 - 1985	135
HYUNDAI		NISSAN		60 Series Pre 1986	136
Terracan 2001+	43	Patrol		60 Series 1986+	138
JEEP		MQ G160 (Round Headlights) Pre 1984	84	70, 73, 74 Series (Leaf / Leaf) 1984 - 1988	140
Cherokee		MK G160 (Rectangle Headlights) 1984+	85	71 Series (Coil / Leaf)	143
XJ 1984+	44	GQ Y60 SWB 1988 - 1998	86	75 Series 1984 - 1999	144
Liberty KJ 2001 - 2006	45	GQ Y60 LWB Wagon 1988 - 1998	88	76 Series 2007+	145
Liberty KK 2007 - 2012	46	GQ Y60 Cab Chassis (Leaf / Leaf) 1988+	90	78 Series 1999+	146
Wrangler		GQ / GU Y61 Cab Chassis (Coil / Leaf)	91	79 Series 1999+	148
TJ 1996 - 2/2007	47	GQ / GU Y61 Cab Chassis (Coil / Coil)	92	79 Series Dual Cab 2013+	150
JK 2006+	48	GU Y61 LWB Wagon	94	80 Series 1990+	152
Grand Cherokee		Y62 2009+	96	100 Series IFS 1998+	155
ZJ / ZG 1993 - 1998	49	Pathfinder / Terrano / II		105 Series 1998+	156
WJ / WG 1999 - 6/2005	50	R20 / WD21 Pre 1995	97	200 Series 2007+	158
WK2 2011+	51	Pathfinder		Bundera	
JMC		R50 1995+	98	1984 - 1989	141
Vigus	52	R51 (4cyl Diesel and V6 Petrol) 7/2005+	99	Landcruiser II	
KIA		R51 (V6 Diesel) 7/2005+	100	Prado 70, 73, 78 Series 1990 - 1996	142
Sorento BL 2003 - 2008	53	Navara		Prado	
LADA		D21 1985 - 1996	101	90, 95 Series	159
Niva 1978+	53	D22 / NP300 (Torsion Bar) 1997+	102	120 Series (Except Grande)	160
LAND ROVER		D40 (4Cyl Diesel and V6 Petrol) 2005+	103	150 Series (Coil)	161
Defender		D40 (V6 Diesel) 2005+	104	FJ Cruiser	
90 Series	54	NP300 (Leaf) 2014+	105	2006+	162
110 Series Trayback	55	NP300 (Coil) 2015+	106	Fortuner	
110, 130 Series County / Dual Cab	56	Paladin		2004 - 2015	163
Range Rover		Pre 2005	108	2015+	164
(Coil Springs) 1971 - 1995	57	Xterra		Tacoma	
Discovery		2005+	109	2005+	165
Series 1 1989 - 1998	58	Xtrail		Tundra	
Series 2 (Coil Springs) 1999 - 2005	59	T30 2001 - 9/2007	110	2007+	166
Series 3 LR3 (Coil Springs) 2004 - 2009	60	RENAULT		TROLLER	
MAHINDRA		Duster 2010+	111	T4	
Scorpio Getaway Pik-Up 2002+	61	SSANGYONG		1997 - 6/2014	167
Scorpio Wagon 2002+	62	Musso and Korando 1996 - 2006	112	7/2014+	168
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				Hunter	169
				Patriot 1997+	170
				VOLKSWAGEN	
				Amarok 2010+	171
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RECOMMENDED INSTALLATION TIMES

Average installation times, based on one experienced fitter with all necessary tools and equipment



INSTALLATION

SUSPENSION KITS

COIL SPRINGS Front	LEAF SPRINGS Rear	3 Hours
STRUT Front	COIL SPRINGS Rear	3 Hours
STRUT Front	LEAF SPRINGS Rear	4 Hours
TORSION BAR Front	COIL SPRINGS Rear	3 Hours
TORSION BAR Front	LEAF SPRINGS Rear	4 Hours
COIL SPRINGS Front and Rear		2 Hours

LEAF SPRINGS Front and Rear	5 Hours
STRUT Front and Rear	4 Hours
LAND ROVER MODELS	3 Hours
VOLKSWAGEN AMAROK	5 Hours
MITSUBISHI PAJERO 2000 +	4 Hours
MITSUBISHI TRITON 2005 +	5 Hours

SUSPENSION COMPONENTS

COIL SPRINGS Pair	1 Hour
COIL SPRINGS Pair Independent Suspension	2 Hours
COIL SPRINGS Pair with Existing Airbags	2 Hours
LEAF SPRINGS Pair	2 Hours
LEAF SPRINGS Pair with Existing Airbags	2.5 Hours

TORSION BARS Pair	2 Hours
STRUT SHOCK ABSORBERS Pair	2 Hours
SHOCK ABSORBERS Pair	1 Hour
STEERING DAMPER	0.5 Hour
CASTER CORRECTION BUSHES	2 Hours

All times to be used as a guide only, times may vary depending on experience and equipment. Pre existing modifications or accessories may also increase installation times. Always allow extra time for unforeseen issues or rusted components.

Always use Ironman 4x4 Suspension Installation Form to record ride height before and after, vehicle and owner details.

WHEEL ALIGNMENT

SOLID AXLE Wheel Alignment	0.5 Hour
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Ironman 4x4 recommend a wheel alignment be performed after installation or within 1 week, always ensure suspension is fully settled before wheel alignment.

As a minimum, toe settings will require adjustment after raising suspension.

Camber and Caster settings are an important aspect and should be maintained close to manufacturers specifications.

Consideration to road crown should be given.

It is advisable to induce slightly more (positive caster) and (negative camber) on the kerb side wheel to help maintain directional stability.

As a general rule of thumb it is recommended to adjust as follows: (Unless tyre wear dictates otherwise).

INDEPENDENT SUSPENSION Wheel Alignment	1 Hour
--	---------------

Independent Front Suspension vehicles will generally result in increased toe-in when raised.

Total Toe: 0mm to -1.0mm.

Solid Front Axle vehicles generally only allow toe adjustment.

Total Toe 0.0mm

4 Wheel Independent Suspension vehicles will require a 4 wheel alignment to ensure front and rear wheels are true to the geometric centreline of the vehicle.

Front Total Toe: 0 to -1.0mm

Rear Total Toe: +1mm to +3.5mm (Do not set with Toe Out)

Optimal wheel alignment settings can vary between vehicles, the above is to be used as a guide only, different ride heights may require different settings. Always monitor tyre wear and pressures and adjust accordingly.



INSTALLATION FORM

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

INSTALLATION

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 4x4 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: ODOMETER:.....

ENGINE TYPE:..... BODY TYPE:.....

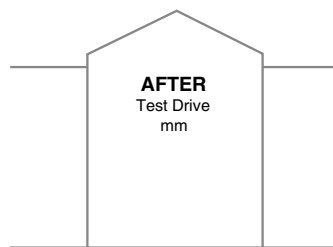
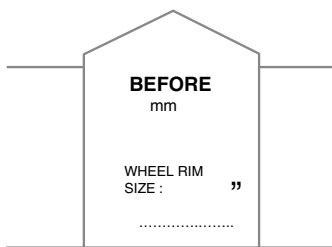
PRE EXISTING MODIFICATIONS OR WEIGHTED ACCESSORIES:

PART NUMBERS TO BE INSTALLED

PART #	TYPE:	PART #	TYPE:
PART #	TYPE:	PART #	TYPE:
PART #	TYPE:	PART #	TYPE:
PART #	TYPE:	PART #	TYPE:
PART #	TYPE:	PART #	TYPE:

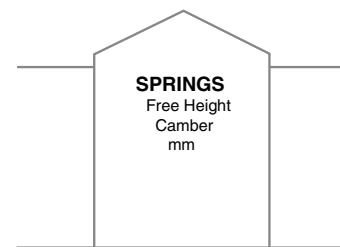
SUSPENSION MEASUREMENTS

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 3 years or 60,000km unless otherwise stated.



Ironman 4x4 offer three ranges of shock absorbers
Each range is available in either soft comfort or firm valving

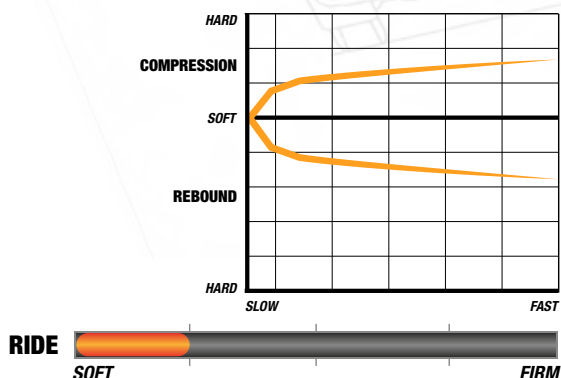
SOFT VALVING



Identified with part number suffix **GRC** or **FEC**.

Are best suited to lighter vehicles without load, higher priority towards a soft comfortable ride.

Delivers smooth handling and less harshness for everyday use.



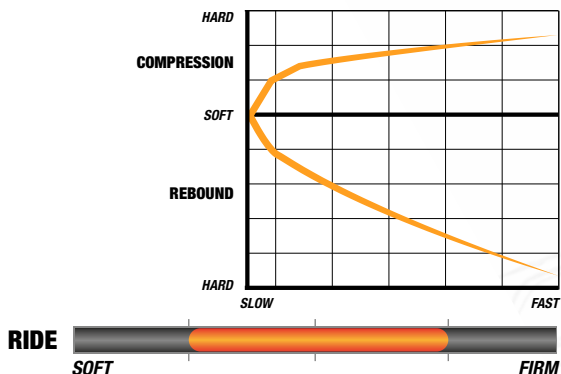
FIRM VALVING



Identified with part number suffix **GR** or **FE**.

Are best suited to heavier vehicles with more added accessories, higher priority towards control and stability.

Boosts performance and adapts to a wide range of driving styles.



GRC
NITRO GAS COMFORT

GR
NITRO GAS

NITRO GAS SHOCK ABSORBER

Highly versatile performance upgrade from original shock absorbers.

- 35mm Piston
- 54mm Body
- 16mm Piston Rod
- Nitrogen Gas Pressurised
- Twin Tube Construction



SHOCK ABSORBER SELECTION

PART SELECTION



FEC
FOAM CELL COMFORT

FE
FOAM CELL

FOAM CELL SHOCK ABSORBER

Larger size and capacity suitable in all conditions.

- 40mm Piston
- 60mm Body
- 18mm Piston Rod
- Foam Cell Technology
- Twin Tube Construction



FEC^{PRO}
FOAM CELL PRO COMFORT

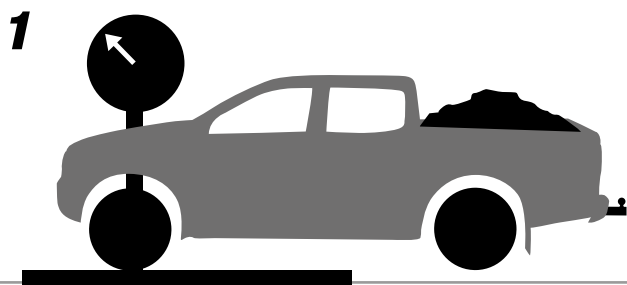
FE^{PRO}
FOAM CELL PRO

FOAM CELL PRO SHOCK ABSORBER

Maximum size and most robust design suitable in all conditions.

- 45mm Piston
- 65-72mm Body
- 20mm Piston Rod
- Foam Cell Technology
- Twin Tube Construction

Foam Cell and Foam Cell Pro shock absorbers may not be available for some models due to vehicle design limitations



Load placed over the front half of the vehicle determines front spring selection

Ensure total weight does not exceed manufacturers axle load limit



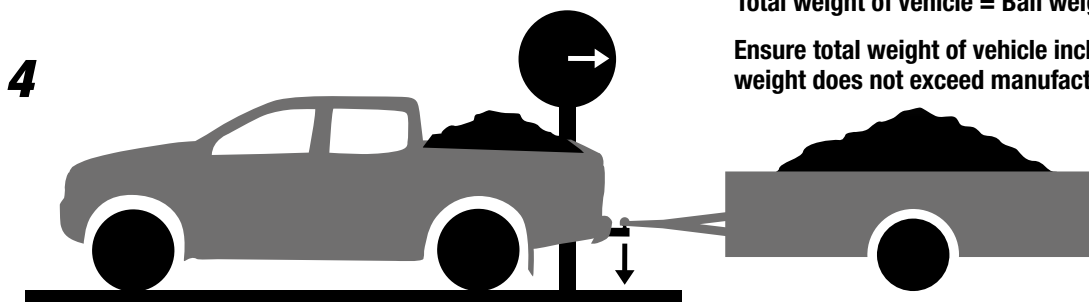
Load placed over the rear half of the vehicle determines rear spring selection

Ensure total weight does not exceed manufacturers axle load limit



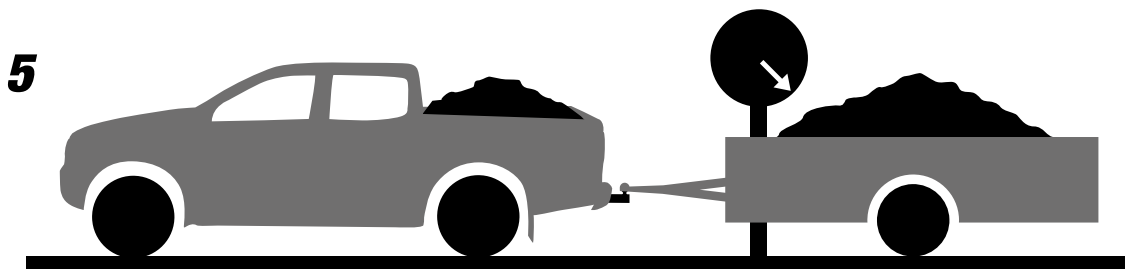
$1 + 2 =$ Total weight of vehicle

Ensure total weight does not exceed manufacturers GVM (gross vehicle mass)



Vehicle with trailer connected minus Total weight of vehicle = Ball weight.

Ensure total weight of vehicle including ball weight does not exceed manufacturers GVM



Total weight of vehicle plus trailer weight = GCM (gross combined mass).

Ensure total weight of vehicle and trailer does not exceed manufacturers GCM



UNDERSTANDING LOAD / GVM UPGRADES

Use the below guide to estimate the additional load in the vehicle. Calculate the load separated over each axle to determine the nearest spring selection based on the recommendations given within the vehicle application pages.

BULL BAR Aluminium	+	40kg
BULL BAR Steel	+	60kg
WINCH with Synthetic Rope	+	25kg
WINCH with Steel Cable	+	45kg
BATTERY Additional	+	25kg
DRAWER SYSTEM	+	80kg
SPARE WHEEL Additional	+	50kg
REAR BAR Steel	+	65kg
FUEL TANK Extended Capacity	+	90kg
CANOPY	+	70kg

WATER TANK 100 Litres	+	100kg
TRAY Aluminium	-	100kg
TRAY Steel	+	400kg
ROOF RACK	+	70kg
ROOF TENT	+	60kg
FRIDGE 50 Litre	+	30kg
TOOL BOXES	+	100kg
LUGGAGE Additional	+	100kg - 300kg
TOWING	+	100kg - 300kg
LARGE OVERHANG	+	30%

Vehicles with large rear overhang such as tray or service bodies may amplify loads by approximately 30%

GVM UPGRADES

If loads exceed the axle limits or gross vehicle mass (GVM) stated by the original vehicle manufacturer, a certified increase in GVM will be required.

Ironman 4x4 design and manufacture a range of approved GVM upgrades for a selection of vehicles, which comply with federal and state regulations (Australia Only).

Comprehensive testing is conducted by Ironman 4x4 and independent engineers to ensure maximum safety, performance and ADR compliance at the increased load carrying capacity.

Ironman 4x4 has obtained Second Stage Manufacturer (SSM) status through the Department of Infrastructure Transport and Regional Development in Canberra.

Available through selected Ironman 4x4 distributors only.

- CPA45466 - Toyota Landcruiser 70 (3900kg)
- CPA44780 - Toyota Hilux 2005-2015 (3350kg)
- CPA48310 - Toyota Hilux 2015 On (3510kg)
- CPA47511 - Ford Ranger PX / PX2 (3300kg)
- STATE APPROVAL - Toyota Landcruiser 200 (excl QLD, WA)

Ironman 4x4 design and produce a range of coil and leaf springs to facilitate additional load carrying and lift

PART NUMBER SUFFIX S - STANDARD HEIGHT (EG. TOY063S)

Available for selected applications to provide enhanced performance at original vehicle manufacturers ride height.

PART NUMBER SUFFIX A - COMFORT (EG. TOY047A)

Suitable for zero to light load applications, higher priority toward comfort with minimal increased ride height.

PART NUMBER SUFFIX B - PERFORMANCE (EG. TOY047B)

Suitable for use in zero to medium load applications, ideal for moderately accessorised vehicles or occasional load.

PART NUMBER SUFFIX C - CONSTANT LOAD (EG. TOY047C)

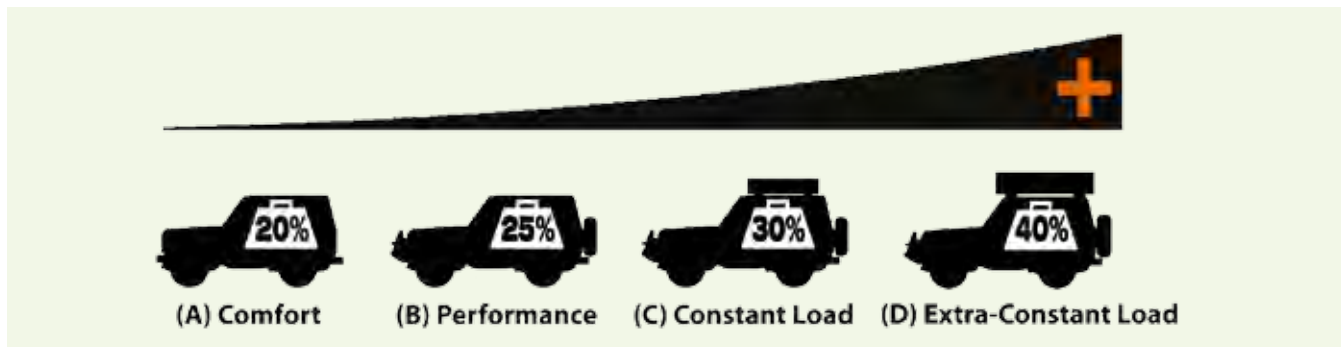
Suitable for vehicles with permanent heavy accessories, higher priority towards load support, provides more control and firmer suspension.

PART NUMBER SUFFIX D - EXTRA CONSTANT LOAD (EG. TOY047D)

Suited only to vehicles with permanent heavy accessories combined with heavy additional load.

PART NUMBER SUFFIX E - EXTRA HEAVY CONSTANT LOAD (EG. TOY047E)

Maximum support for extra heavy loads typically commercial or mining use vehicles.



All lift heights quoted within this catalogue are general estimates only, relative to new vehicle ride height.

Suggested lifts are based upon the lighter of the recommended additional load.

The position of added weight can affect the result.





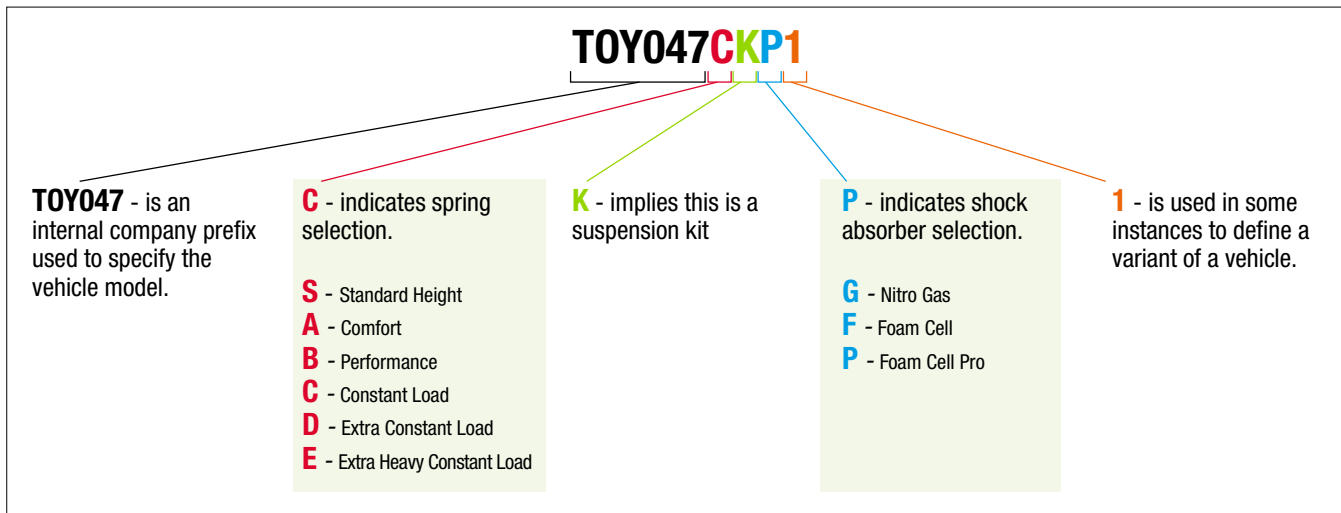
Ironman 4x4 suspension kits are a simplified way to select the appropriate components for a vehicle

Many vehicles have different suspension requirements according to added load, terrain and driver preferences.

To establish the correct suspension kit, we ask the following questions:

- 1) What is the primary usage of the vehicle?
- 2) What accessories are on the vehicle?
- 3) What additional loads are within the vehicle and how often are the loads present?
- 4) What is the primary driving terrain?

The Ironman suspension kit part numbering system is designed to be read as follows:



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

For example, a vehicle with heavy load over the rear axle only, does not require constant load front springs, in this case a lighter front spring and heavier rear spring is the best choice.





Make	Model	Year	Nitro Gas		Foam Cell		Foam Cell Pro	
			Front	Rear	Front	Rear	Front	Rear
Fiat	Fullback	2016+	12715GR	12729GR /C	24715FE	24729FE /C		
Ford	Courier / Ranger	1985 - 2011	12667GR	12095GR /C	24667FE	24095FE /C	45667FE	45095FE /C
	Ranger T6 PX / PX2	2011+	12727GR	12095GR /C	24727FE	24095FE /C	45727FE	45095FE /C
	Everest	2015+	12727GR	12732GR	24727FE	24732FE	45727FE	45732FE
Haval	H9 Wagon	2013+	12710GR	12804GR	24710FE	24804FE		
GMC	Suburban, Tahoe, Sierra, Yukon, Avalanche, Silverado	2007 - 2013	12807GR	12808GR				
	Suburban, Escalade, Tahoe, Sierra, Yukon, Silverado	2014 - 2016	12809GR	12810GR				
Holden / Isuzu	Jackaroo / Trooper	Pre 1986	12087GR	12636GR /C	24087FE	24636FE /C		
	Jackaroo / Trooper	11/1986 - 1991	12087GR	12671GR	24087FE			
	Jackaroo / Trooper / Bighorn / Monterey	1992+	12643GR	12644GR	24643FE	24644FE		
Holden	Frontera	1995 - 1/1999	12667GR	12644GR	24667FE	24644FE		
	Rodeo KB - TF	1991 - 1998	12087GR	12636GR /C	24087FE	24636FE /C		
	Rodeo KB - TFS	1988 - 3/2003	12643GR	12636GR /C		24636FE /C		
Holden / Chevrolet / Isuzu	Rodeo / Colorado / D-Max / RA / RA7 / RC	2003 - 2012	12667GR	12636GR /C	24667FE	24636FE /C		
	Colorado 7 / Trailblazer / MU-X	2012+	12745GR	12746GR /C	24745FE	24746GR /C	45745FE	45746FE /C
Holden / Isuzu	Colorado / D-Max / RG	2012+	12745GR	12636GR /C	24745FE	24636FE /C	45745FE	45636FE /C
Hyundai	Terracan	2001+	12087GR	12637GR /C	24087FE			
Jeep	Cherokee XJ	1984+	12665GR	12666GR	24665FE	24666FE		
	Cherokee Liberty KJ / KK	2001 - 2012	12711GR	12712GR				
	Wrangler TJ	1996 - 2/2007	12665GR	12669GR	24665FE			
	Wrangler JK	2006+	12751GR	12752GR			45751FE	45752FE
	Wrangler JK 4" Lift	2006+	12751LGR	12752LGR			45751LFE	45752LFE
	Grand Cherokee ZJ / ZG	1993 - 1998	12665GR	12670GR	24665FE			
	Grand Cherokee WJ / WG	1999 - 6/2005	12774GR	12775GR				
	Grand Cherokee WK2	2011+	12735GR					
Land Rover	Defender 90 / 110 / 130 Series		12080GR	12640GR	24080FE	24640FE	45080FE	45640FE
	Range Rover (Coil Springs)	1971 - 1995	12080GR	12640GR	24080FE	24640FE	45080FE	45640FE
	Discovery Series 1	1989 - 1998	12080GR	12640GR	24080FE	24640FE	45080FE	45640FE
	Discovery Series 2 (Coil Springs)	1999 - 2005	12776GR	12777GR	24776FE	24777FE		



SHOCK ABSORBERS

APPLICATION GUIDES

Make	Model	Year	Nitro Gas		Foam Cell		Foam Cell Pro	
			Front	Rear	Front	Rear	Front	Rear
Mahindra	Scorpio Pik-Up / Wagon	2002 - 2012	12087GR	12749GR				
	Scorpio Pik-Up	2012 +	12087GR	12731GR				
Mazda	B Series / Bravo / BT50	1987 - 2011	12667GR	12095GR /C	24667FE	24095FE /C	45667FE	45095FE /C
	BT50	2011+	12727GR	12095GR /C	24727FE	24095FE /C	45727FE	45095FE /C
Mercedes-Benz	G-Wagen G55 AMG				24788FE	24789FE		
	Unimog (6 Bolt Axle)						45803FE	45803FE
	Unimog (10 Bolt Axle)						45802FE	45802FE
Mitsubishi	Triton L200 / ME-MJ	Pre 1996	12082GR	12636GR /C	24082FE	24636FE /C		
	Triton MK L200	1996 - 2006	12087GR	12698GR /C	24087FE	24698FE /C		
	Triton ML-MN L200	2005 - 2014	12715GR	12636GR /C	24715FE	24636FE /C		
	Triton MQ L200	2015+	12715GR	12729GR /C	24715FE	24729FE /C		
	Pajero / Montero NA-NL (Leaf)	Pre 1999	12082GR	12636GR /C	24082FE	24636FE /C		
	Pajero / Montero NA-NG (Coil)	1988 - 1991	12082GR	12645GR /C	24082FE	24645FE /C		
	Pajero / Montero NH-NL (Coil)	6/1991 - 2000	12087GR	12646GR	24087FE	24646FE		
	Pajero / Montero NM-NX	2000+	12713GR	12714GR	24713FE			
	Challenger / Montero Sport PA (Leaf)	1998 - 2006	12087GR	12636GR /C	24087FE	24636FE /C		
	Challenger / Montero Sport PA (Coil)	1998 - 2008	12087GR	12645GR /C	24087FE	24645FE /C		
	Challenger / Pajero Sport / Montero Sport / Dakar PB	2009 - 2015	12715GR	12645GRS	24715FE	24645FES		
	Pajero Sport / Montero Sport	2015+	12715GR	12645GRS	24715FE	24645FES		
	Delica L400 Without ECS	1994+	12667GR	12698GR	24667FE			
	Delica L400 With ECS	1994+	12667GR	12671GR	24667FE			
Nissan	Patrol MQ / MK G160	Pre 1988	12075GR	12076GR				
	Patrol GQ / GU SWB & LWB Wagon		12091GR	12094GR	24091FE	24094FE	45091FE	45094FE
	Patrol GQ / GU SWB & LWB Wagon 4" Lift				24091LFE	24094LFE	45091LFE	45094LFE
	Patrol GQ / GU SWB & LWB Wagon 6" Lift				24091LFE1	24094LFE1	45091LFE1	45094LFE1
	Patrol GQ Y60 Cab Chassis (Leaf)		12661GR	12648GR	24661FE	24648FE		
	Patrol GU Y61 Cab Chassis (Leaf)		12091GR	12648GR	24091FE	24648FE		
	Patrol GU Y61 Cab Chassis (Coil)		12091GR	12094GR	24091FE	24094FE	45091FE	45094FE
	Patrol GU Y61 Cab Chassis (Coil) 4" Lift				24091LFE	24094LFE	45091LFE	45094LFE



Make	Model	Year	Nitro Gas		Foam Cell		Foam Cell Pro	
			Front	Rear	Front	Rear	Front	Rear
Nissan	Patrol GU Y61 Cab Chassis (Coil) 6" Lift				24091LFE1	24094LFE1	45091LFE1	45094LFE1
	Patrol Y62	2009+	12740GR	12742GR	24740FE	24742FE	45740FE	45742FE
	Pathfinder / Terrano / II / R20 / WD21	Pre 1995	12667GR	12636GR /C	24667FE	24636FE /C		
	Pathfinder R51	7/2005+	12716GR	12718GR	24716FE	24718FE		
	Navara D21	1985 - 1996	12087GR	12636GR /C	24087FE	24636FE /C		
	Navara D22 / NP300 (Torsion Bar)	1997+	12791GR	12636GR /C				
	Navara D40 / Xterra	2005+	12716GR	12717GR	24716FE	24717FE	45716FE	45717FE
	Navara NP300 (Leaf)	2014+	12716GR	12698GR /C	24716FE	24698FE /C	45716FE	45698FE /C
	Navara NP300 (Coil)	2015+	12716GR	12728GR	24716FE	24728FE	45716FE	45728FE /C
	Paladin	Pre 2005	12791GR	12698GR /C				
Renault / Dacia	Duster	2010+	12747GR	12748GR				
Ssangyong	Musso / Korando	1996 - 2006	12667GR	12661GRS	24667FE	24661FES		
Suzuki	Sierra / Samurai LJ / SJ (Leaf)	1981+	12085GR	12086GR				
	Jimny SN413	1998+	12759GR	12760GR				
	Vitara SWB	1988+	12083GR	12089GR				
	Vitara LWB	1988+	12083GR	12658GR				
	Grand Vitara SWB	1988 - 7/2005	12083GR	12089GR				
	Grand Vitara LWB	1988 - 7/2005	12083GR	12658GR				
	Grand Vitara	8/2005 - 2015	12721GR	12722GR				
Toyota	Hilux Solid Front Axle	1979 - 10/1983	12639GR /C	12636GR /C	24639FE /C	24636FE /C		
	Hilux Solid Front Axle	11/1983 - 11/1997	12639GR /C	12650GR /C	24639FE /C	24650FE /C		
	Hilux / Tiger / 107 / 108 / 110 / 111 / 167	1997 - 2005	12088GR	12081GR /C	24088FE	24081FE /C		
	4Runner Gen 1, N60 Leaf	1988 - 1997	12088GR	12650GR /C	24088FE	24650FE /C		
	4Runner / Surf Gen 2, N130 V6 Coil	1990 - 1997	12088GR	12637GR /C	24088FE	24637FE /C		
	4Runner Gen 3, N180-N185	1996 - 2002	12691GR	12661GR	24691FE	24661FE	45691FE	45661FE
	4Runner Gen 4 & 5, N210-N280	2003+	12710GR	12682GR	24710FE	24682FEC	45710FE	45682FEC
	Hilux 2WD	2005+	12764GR	12650GR /C		24650FE /C		45650FE /C
	Hilux / Vigo	2005 - 2015	12710GR	12650GR /C	24710FE	24650FE /C	45710FE	45650FE /C
	Hilux / Vigo Long Travel	2005 - 2015	12710GR	12081GR /C	24710FE	24081FE /C	45710FE	45081FE /C



SHOCK ABSORBERS

APPLICATION GUIDES

Make	Model	Year	Nitro Gas		Foam Cell		Foam Cell Pro	
			Front	Rear	Front	Rear	Front	Rear
Toyota	Hilux / Revo	2015+	12730GR	12081GR /C	24730FE	24081FE /C	45730FE	45081FE /C
	Landcruiser 40 / 42 / 45 / 46 / 47 Series	1960 - 1985	12635GR /C	12636GR /C	24635FE /C	24636FE /C	45635FE	45636FE /C
	Landcruiser 60 Series	Pre 1986	12637GR /C	12636GR /C	24637FE /C	24636FE /C	45637FE /C	45636FE /C
	Landcruiser 60 Series	1986+	12637GR /C	12650GR /C	24637FE /C	24650FE /C	45637FE /C	45650FE /C
	Landcruiser 70 / 73 / 74 Series (Leaf, Leaf)	1984 - 1988	12637GR /C	12650GR /C	24637FE /C	24650FE /C	45637FE /C	45650FE /C
	Bundera	1984 - 1989	12091GR	12639GRS ¹ 12650GR ²	24091FE	24639FES ¹ 24650FE ²		
	Landcruiser II / Prado 70 / 73 / 78 Series	1990 - 1996	12696GR	12697GR	24696FE	24697FE		
	Landcruiser 71 Series (Coil, Leaf)		12091GR	12081GR /C	24091FE	24081FE /C	45091FE	45081FE /C
	Landcruiser 75 Series	1984 - 1999	12637GR /C	12081GR /C	24637FE /C	24081FE /C	45637FE /C	45081FE /C
	Landcruiser 76 / 78 / 79 / 70 & D/Cab	2007+	12091GR	12094GR	24091FE	24094FE	45091FE	45094FE
	Landcruiser 76 / 78 / 79 / 70 & D/Cab Long Travel	2007+			24091FE	24094LFE	45091FE	45094LFE
	Landcruiser 80 / 105 Series	1990+	12683GR	12682GR	24683FE	24682FE	45683FE	45682FE
	Landcruiser 80 / 105 Series 4" Lift	1990+			24683LFE	24682LFE	45683LFE	45682LFE
	Landcruiser 80 / 105 Series 6" Lift	1990+			24683LFE1	24682LFE1	45683LFE1	45682LFE1
	Landcruiser 100 Series IFS	1998+	12795GR	12696GR	24795FE	24796FE	45795FE	45796FE
	Landcruiser 200 Series	2007+	12720GR	12796GR	24720FE	24796FE	45720FE	45796FE
	Prado 90 / 95 Series		12691GR	12661GR	24691FE	24661FE	45691FE	45661FE
	Prado 120 Series (except Grande)		12710GR	12682GRC	24710FE	24682FEC	45710FE	45682FEC
	Prado 150 Series (except Kadadu)		12750GR	12682GRC	24750FE	24682FEC	45750FE	45682FEC
FJ Cruiser	2006+	12710GR	12682GRC	24710FE	24682FEC	45710FE	45682FEC	
Fortuner	2004 - 2015	12710GR	12743GR /C	24710FE	24743FE /C	45710FE	45743FE /C	
Fortuner	2015+	12730GR	12743GR /C	24730FE	24743FE /C	45730FE	45743FE /C	
Tacoma	2005+	12710GR	12744GR	24710FE	24744FE	45710FE	45744FE	
Tundra	2007+			24780FE	24781FE	45780FE ³	45781FE	
Troller	T4	1997 - 6/2014	12755GR	12755GR				
	T4	7/2014+	12765GR	12765GR				
UAZ	Hunter		12652GR	12698GR	24652FE	24698FE		
	Patriot		12637GRS	12698GR	24637FES	24698FE		
Volkswagen	Amarok	2010+	12725GR	12726GR				

/C Comfort option available. ¹ Bundera left hand side ² Bundera right hand side ³ 45780FE, Must use Ironman coil springs TOY063



Load Plus

Helper Spring Kit



With
Load Plus



Without
Load Plus

- ✓ Maximise vehicle payload
- ✓ Improve safety and stability
- ✓ Reduce tyre, brake and suspension wear
- ✓ Reduce sway by up to 40%
- ✓ Reduce brake pitch by up to 20%
- ✓ Improve ride by up to 35%
- ✓ Reduce rear end sag by up to 20%



LOAD PLUS - HELPER SPRINGS

APPLICATION GUIDES

CHRYSLER / DODGE / PLYMOUTH

		Part No
B1500, B2500, B3500 - Vans	All	LP7
Caravan, T & C Van & Voyager	All	LP7
	All	LP4
D50 & Ram 50	All	LP4
D100, D150, D200 & D250	All	LP4
Dakota	All	LP4
Durango	All	LP4
R1500 & R2500	w/ 2.5" Leaf	LP4
R1500 & R2500	w/ 3.0" Leaf	LP7
Raider	All	LP4
Ramcharger & Trailduster	All	LP4
W100, W150, W200 & W250	All	LP4

DAIHATSU

Feroza F300, F310	88-99	LP1
Feroza II	All	LP4
Rocky	All	LP1

FIAT

Fullback	All	LP3
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FORD / LINCOLN / MERCURY

Bronco	w/ 2.5" Leaf	LP4
	w/ 3.0" Leaf	LP7
Bronco II	w/ 2.5" Leaf	LP4
	w/ 3.0" Leaf	LP7
Courier / Ranger (Not USA model)	All	LP3
Econovan & Spectron	All	LP1
E Series Vans	w/ 2.5" Leaf	LP4
	w/ 3.0" Leaf	LP7
Excursion	All	LP7
Explorer	w/ Leaf	LP4
Falcon Sedan XR-XD	All	LP4
Falcon Panel Van XR-XH	All	LP4
Falcon Utility 1 Tonne XR - On	All	LP4
F Series	w/ 2.5" Leaf	LP4
	w/ 3.0" Leaf	LP7
Mountainer & Aviator	All	LP4
Ranger (USA model only)	All	LP4

* Not suitable for Falcon wagon, except dedicated LPG

GENERAL MOTORS / CHEVROLET / HOLDEN

Commodore 1 Tonne	All	LP1
Jackaroo	All	LP3
Rodeo / Colorado / D-Max*	81-03	LP3
Shuttle	All	LP3
Utility and Van HQ-WB	All	LP4
Astro & Safari Van	w/ Leaf	LP4
C, K, R & V Series 1/2 & 3/4 Ton	w/ 2.5" Leaf	LP4
	w/ 3.0" Leaf	LP7
Denali & Escalade	All	LP7
G Series, Express 1/2, 3/4 & 1 Ton	w/ 2.5" Leaf	LP4
	w/ 3.0" Leaf	LP7
Savannah Vans 1/2, 3/4 & 1 Ton	w/ 2.5" Leaf	LP4
	w/ 3.0" Leaf	LP7
LUV	All	LP3
S10 Blazer & T10	All	LP4
S15 Jimmy, T15 & Sonoma	All	LP4
Suburban 1/2, 3/4 Ton	w/ 2.5" Leaf	LP4
	w/ 3.0" Leaf	LP7
Tahoe & Yukon	w/ 2.5" Leaf	LP4
	w/ 3.0" Leaf	LP7
Silverado	All	LP7

*Not suitable for Rodeo / Colorado / D-Max 2003+ Models with interleaf liners

HONDA

Passport	w/ Leaf	LP3
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INTERNATIONAL

Scout	All	LP3
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ISUZU

Amigo	All	LP3
Hombre	All	LP3
Pickup, P'up	All	LP3
Rodeo	w/ Leaf	LP3
Trooper II	w/ Leaf	LP3

JEEP

Cherokee & Wagoneer	All	LP4
CJ5, CJ6 & CJ7	All	LP4
Comanche Pickup	All	LP4
Gladiator Pickup	All	LP4
J10 & J20 Series	All	LP4
Wrangler YJ	All	LP4

KIA

Pregio	All	LP4
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MAZDA

Navaho	All	LP4
Pickups	All	LP3
Bravo / BT50	All	LP3
B1800 / B2000 4x2	All	LP3
B2200 / B2600 4x2, 4x4	All	LP1
E1400	All	LP1
E1800	All	LP1
E2000	All	LP1
E2200	All	LP1

MERCEDES BENZ

MB100	99-02	LP4
MB140	99-02	LP4
Sprinter	98 On	LP4

MITSUBISHI

Pickup	All	LP4
Pajero / Montero	w/ Leaf	LP4
Triton ME-MN L200	All	LP4
Triton MQ L200	All	LP3
L200 / L300 Van	All	LP4
Starwagon / Express Van	All	LP4

NISSAN

Frontier	All	LP2
X-Terra	All	LP2
Titan	All	LP2
Navara D21, D22	All	LP3
Navara D40	All	LP2
Navara NP300 (leaf)	All	LP2
Urvan	All	LP3
Patrol GQ / GU Cab / Chassis	All	LP4
Patrol MQ / MK, G160, Y260	All	LP3

SUZUKI

Sierra / Samurai	All	LP5
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TOYOTA

Pickups	All	LP2
T100	All	LP4
Tundra	All	LP3
Hiace	All	LP3
Hilux / 4Runner	All	LP2
Landcruiser FJ40 / BJ40-42	60-84	LP4
Landcruiser FJ / HJ60 / 61 / 62	80-90	LP4
Landcruiser HJ / HZJ 75*	84-99	LP4
Landcruiser HZJ 78 / 79*	All	LP9
Landcruiser 76*	All	LP4
Tacoma	All	LP2
Townace	All	LP1

* Landcruiser drum brake rear models only

VOLKSWAGEN

Amarok	All	LP4
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NITRO GAS SHOCK ABSORBERS

Gas Pressurised shock absorber boosts performance and adapts to a wide range of driving styles

NITROGEN GAS PRESSURISED - Low pressure nitrogen gas dramatically reduces the likelihood of oil aeration and shock fade.

35mm TEFLON BANDED PISTON - Precision shim-stack piston specifically valved by Ironman suspension engineers, banded with teflon for smooth long life operation.

54mm TWIN TUBE BODY - Increased oil volume for improved cooling and endurance, Twin tube construction protects internal components from rock damage.

16mm – 18mm HARD CHROME PISTON ROD - Hardened and polished, volumetrically balanced to piston size.

FLEXIBLE RUBBER BUSHES - Offers quieter operation and reduces damaging side loads from shock absorber.

TRIPLE-LIP HIGH PRESSURE NOK SEAL - Maximum gas and oil retention ability to withstand high displacement offroad use.

SUPPLEMENTARY WELDED MOUNTS - Fusion welded and supplementary welded for maximum strength and reliability.

SINGLE PIECE BILLET EYE RINGS AND STEMS - Ultra robust design prevents breakage or bending of mounts.

VEHICLE SPECIFIC VALVING - Every part number is specially valved for each vehicle application, this ensures the best possible ride and handling as intended by Ironman suspension engineers.

LONG TRAVEL - Suitable for standard and raised height vehicles, additional length increases wheel articulation.

IMPACT RESISTANT STONE SHIELD - Steel or Polyethylene dust shield protects piston rod from impacts and road debris.



TRIPLE-LIP HIGH PRESSURE NOK SEAL - Maximum oil retention ability to withstand high displacement offroad use.

SUPPLEMENTARY WELDED MOUNTS - Fusion welded then supplementary welded for higher strength and reliability.

360° WELDED MOUNTS - Fusion welded then fully welded around mounting for maximum strength and reliability.

SINGLE PIECE BILLET EYE RINGS AND STEMS - Ultra robust design prevents breakage or bending of mounts.

VEHICLE SPECIFIC VALVING - Every part number is specially valved for each vehicle application, this ensures the best possible ride and handling as intended by Ironman suspension engineers.

LONG TRAVEL - Suitable for standard and raised height vehicles, additional length increases wheel articulation.

IMPACT RESISTANT STONE SHIELD - Steel or Polyethylene dust shield protects piston rod from impacts and road debris.

COIL SPRINGS

Available in a wide range of load ratings to maintain optimum ride height

COLD COILED - CNC cold coiling ensures perfect consistency and accuracy, less heat during manufacture maintains material properties resulting in longer life.

BAR PEELED - Bar peeling is the process of forming the material to an exact size before coiling, this ensures the diameter remains constant and free of flaws along its entire length.

SHOT PEENED - Manipulates material surface tension to reduce stress, greatly enhances spring life.

TRIPLE SCRAGGED - Each coil is fully compressed to a solid state 3 times to minimise coil settling.

PROGRESSIVE AND LINEAR RATE - Used in accordance to original vehicle manufacturers preference, progressive springs increase rate as the spring compresses, linear springs maintain a consistent rate throughout its range.

POWDERCOATED - All springs are electro-static powdercoated for a durable finish.



FOAM CELL SHOCK ABSORBERS

Premium shock absorber for superior endurance in all conditions

FOAM CELL TECHNOLOGY - Micro-Cellular closed cell foam insert maximises cooling efficiency by occupying less internal space than gas within a pressurised shock absorber. Greater oil capacity and more surface area maintains lower operating temperatures.

40-45mm TEFLON BANDED PISTON - Precision shim-stack piston specifically valved by Ironman suspension engineers, banded with teflon for smooth long life operation.

60-72mm TWIN TUBE BODY - 50%-100% more oil volume than a gas shock absorber for superior cooling and endurance. Twin tube construction protects internal components from rock damage.

18-20mm HARD CHROME PISTON ROD - Hardened and polished, volumetrically balanced to piston size.

FLEXIBLE RUBBER BUSHES - Offers quieter operation and reduces damaging side loads from shock absorber.



LEAF SPRINGS

Available in a wide range of load ratings to maintain optimum ride height

INTER LEAF LINERS - Used in some applications to lower friction between leaves reducing noise and improving comfort.

LINED BOLT CLAMPS - All Ironman springs feature bolted guide clamps for greater flex, the addition of anti-friction liners ensures noise free smooth operation.

SHOT PEENED - Manipulates tension side of material to reduce stress, greatly enhances spring life.

DIAMOND CUT LEAVES - Distributes load at the leaf tip and reduces interleaf friction.

MILITARY WRAP - Where applicable, an additional wrap around the leaf eye protects from failure in case of damage.





TORSION BARS

Higher spring rate to support extra weight from additional vehicle accessories

UP-SET FORGED ENDS - Stronger than machining alone, forging manipulates steel grain for superior strength and durability.

PREMIUM MICRO-ALLOY STEEL - Exceeds OEM steel grade for ultra long life and less sag.

INCREASED BAR DIAMETER - Higher spring rate better supports added accessories and balances front and rear suspension performance.

X-RAY EXAMINED - Each and every Ironman Torsion Bar is X-Ray tested to eliminate risk of breakage due to material flaw.

DIRECTIONAL PRE-SETTING - Torsion Bars are rotationally pre-set in their direction of installation to reduce spring settling. Each bar is marked for left or right fitment.



POLYURETHANE BUSHES

Provide precise spring location and enables lubrication to increase suspension flex and comfort

INJECTION MOULDED POLYURETHANE - High density injection moulded polyurethane material ensures precise location and a durable bearing surface for your leaf springs, making them very durable in hot temperatures whilst providing a soft comfortable vehicle ride.

GREASABLE - Polyurethane bushes are greasable to aid in longer life and ensure smooth ride and quiet operation.

SPIRAL BORE AND FLANGES - To distribute lubricating grease evenly throughout the bushing surface when combined with greasable shackles and pins.

SPLINES - Allows the bush to conform to irregularities and grip to the eye surface.



GREASABLE SHACKLES AND PINS

Enables easy re-greasing of polyurethane spring bushes

QUAD-OUTLET GREASABLE - Greasable shackles provide an easy method of re-lubricating polyurethane bushes. Chamfered Quad-Outlet ports distribute grease liberally along the bush surface.

SERVICEABLE - All Ironman shackles and pins feature a serviceable bolt together construction.

ANTI-INVERSION SHACKLE - On selected models, a third pin is positioned on the shackle to protect the spring in the case of inversion.



STEERING DAMPER

Reduce unwanted vibration and feedback through steering system in rough conditions

FOAM CELL TECHNOLOGY - Micro-Cellular closed cell foam insert allows for the horizontal mounting orientation required by a steering damper.

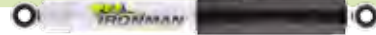
35mm TEFLON BANDED PISTON - Precision shim-stack piston specifically valved by Ironman suspension engineers, banded with Teflon for smooth long life operation.

54mm TWIN TUBE BODY - Increased oil volume for improved cooling and endurance, twin tube construction protects internal components from impact damage.

SUPPLEMENTARY WELDED MOUNTS - Fusion welded and supplementary welded for maximum strength and reliability.

SINGLE PIECE BILLET EYE RINGS AND STEMS - Ultra robust design prevents breakage or bending of mounts.

VEHICLE SPECIFIC VALVING - Every part number is specially valved for each vehicle application, this ensures the steering operation is smooth and unhindered by the effects of rough road driving.



CASTER CORRECTION BUSHES

Available in adjustable or fixed offset designs, used to correct caster angle after raising suspension under 100mm (4")

PRE-CONFIGURED CASTER CORRECTION - Fixed 2 degree offset models suit 50mm (2") lifted suspension.

ADJUSTABLE CASTER CORRECTION - Adjustable offset suit a wide range of lift heights up to 100mm (4")

HIGH DENSITY MATERIALS - Vehicle specific rubber or polyurethane material.



CASTER CORRECTION PLATES

Used to correct caster angle after raising suspension beyond 100mm (4")

PRE-CONFIGURED CASTER CORRECTION - Fixed 5 degree offset models suit 100mm (4") to 150mm (6") lifted suspension.



ADJUSTABLE PANHARD RODS

Used to correct axle shift after raising suspension. Adjustable as required to re-centralise axle to vehicle

COMPETITION SPEC - 32mm solid rod used throughout.

FINE THREAD ADJUSTMENT - M32 x 2mm thread ensures precision adjustment for greater accuracy.

OEM STYLE RUBBER BUSHES - Maximum flex and durability. Replaceable OEM style bushes.





EXTENDED SWAY BAR LINKS

Recalibrates sway bar index after raising suspension.



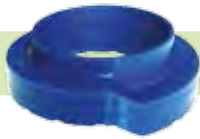
VEHICLE SPECIFIC BOLT ON DESIGN - Easy fitment, utilises OEM mounting locations.

ADJUSTABLE LENGTH - Adjustable extension where possible depending on vehicle model.

PRACTICAL DESIGN - Strongest construction up-spec materials to avoid bending and breaking. Rubber bushes and aircraft grade spherical bearings used where possible depending on vehicle model.

POLYURETHANE COIL SPRINGS SPACERS / TRIM PACKERS

Available individually to adjust "side to side" or "front to back" vehicle lean due to uneven load placement



INJECTION MOULDED POLYURETHANE - High density injection moulded polyurethane material ensures precise location and a durable seat with the spring.

PRE-CONFIGURED THICKNESSES - Varied thicknesses allow correct selection according to the amount of lean. Provides 1:1 ratio suspension lift on solid axle vehicles.

SELF LOCATING DESIGN - Raised profile locating flanges prevent packer from becoming dislodged or falling out.

STRUT TRIM PACKERS

For use only with Ironman 4x4 struts, available individually to adjust "side to side" or "front to back" vehicle lean due to uneven load placement.



PRECISE RIDE HEIGHT TUNING - Basic steel collar design fits over Ironman 4x4 struts to adjust spring seat height.

PRE-CONFIGURED THICKNESSES - Varied thicknesses allow correct selection according to the amount of adjustment required. Usually provides 1:2 ratio suspension lift on independent suspension vehicles.

EXTENDED BRAKE HOSES

Longer brake hose used with suspension lifts over 100mm (4").



DOT SAE J1401 STANDARDS APPROVED CONSTRUCTION - OEM style reinforced rubber hose for safety.

EXTENDED LENGTH - Extended length allows for greater suspension travel.

ADJUSTABLE TRAILING ARMS

Used to correct rear axle tilt and location after raising suspension.



COMPETITION SPEC - 32mm solid rod used throughout.

FINE THREAD ON-VEHICLE ADJUSTMENT - M32 x 2mm thread ensures precision adjustment for greater accuracy.

OEM STYLE RUBBER BUSHES - Maximum flex and durability. Replaceable OEM compatible bushes.

ADJUSTABLE DRAG LINKS

Adjustable length rod to centralise steering wheel after suspension lift.



ADJUSTABLE LENGTH - Compatible with all suspension ride heights.

STRONGER CONSTRUCTION - Reduces likelihood of failure due to impact.

BOLT ON STEERING DAMPER MOUNTS - Steering damper mounts can be positioned freely as required to suit suspension lift.

STRUT MOUNTS

Direct replacement for the OEM mounts. Facilitates the pre-assembly of complete new struts without disassembly of old unit.



FULLY OEM COMPATIBLE - Easy Installation

SHORE A 80 DURO NR BUSHES & INSULATORS - Extended durability and precise location accuracy.

HEAVY DUTY WASHERS - Resists deformation in extreme use.

ADD-A-LEAF

Additional universal tapered leaf to upgrade existing leaf springs.



Eliminates suspension sag and supports additional load

Improves comfort and handling

Increases load carrying capability

Increases ride height



SUSPENSION KITS

Fully integrated suspension kits containing all required components to achieve a safe and balanced suspension performance.

ALL LEAF SPRINGS KITS CONTAIN: Springs, Shock Absorbers, U-bolts and Bushes.

ALL COIL SPRINGS KITS CONTAIN: Springs and Shock Absorbers.

Ironman 4x4 also offer various optional components further enhancing suspension performance or geometry correction purposes, see vehicle listings for model specific details.

Such components include Greasable Shackles & Pins, Steering Damper, Caster Correction, Trim Packers, Suspension Arms.



LEAF / LEAF (LL) SUSPENSION KIT



STRUT / LEAF (SL) SUSPENSION KIT



COIL / COIL (CC) SUSPENSION KIT



STRUT / COIL (SC) SUSPENSION KIT



TORSION BAR / LEAF (TL) SUSPENSION KIT



TORSION BAR / COIL (TC) SUSPENSION KIT



Product	Part No.	Qty Req
FRONT SUSPENSION		
SHOCK ABSORBER		
Nitro Gas Strut	12747GR	2
COIL SPRINGS		
Performance	Est. Lift: 40mm Additional Load: 0 - 50kg	REN001B
CAMBER CORRECTION		
Camber Bolt Kit	ICAMBER12	1
REAR SUSPENSION		
SHOCK ABSORBER		
Nitro Gas Strut	12748GR	2
COIL SPRINGS		
Performance	Est. Lift: 40mm Additional Load: 0 - 200kg	REN002B
CAMBER CORRECTION		
Camber Bolt Kit	ICAMBER12	1
SUSPENSION KIT		
Performance w/ Gas Shocks	REN001BKG	

SUSPENSION KIT CONTENTS

Strut Shock Absorbers
Coil Springs

Camber Bolt Kits



Product	Part No.	Qty Req
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FRONT SUSPENSION

SHOCK ABSORBER

Nitro Gas Strut	12715GR	2
Foam Cell Strut	24715FE	2

• Height adjustable with Ironman 4x4 Strut Trim Packers

COIL SPRINGS

	Est. Lift	Additional Load		
Standard	0mm	0 - 50kg	MITSO40S	1
Comfort	25mm	0 - 50kg	MITSO40A	1
Performance	30mm	0 - 80kg	MITSO40B	1
Constant Load	30mm	80 - 110kg	MITSO40C	1

STRUT MOUNTS

Steel Strut Top	ISST010	2
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TRIM PACKERS

5mm Strut Trim Packer	(Nitro Gas / Foam Cell)	HILFR05 / HILFR05F	2
10mm Strut Trim Packer	(Nitro Gas / Foam Cell)	HILFR10 / HILFR10F	2
15mm Strut Trim Packer	(Nitro Gas / Foam Cell)	HILFR15 / HILFR15F	2

• ONLY Compatible with Ironman 4x4 Struts, lift height subject to 1:2 motion ratio. Unnecessary fitment may lift vehicle too high

REAR SUSPENSION

SHOCK ABSORBER

Nitro Gas Comfort	12729GRC	2
Nitro Gas	12729GR	2
Foam Cell Comfort	24729FEC	2
Foam Cell	24729FE	2

LEAF SPRINGS

	Est. Lift	Additional Load		
Comfort	30mm	0 - 200kg	MITSO47A	2
Performance	30mm	0 - 300kg	MITSO47B	2
Constant Load	30mm	300kg - GVM	MITSO47C	2

• Two piece tailshaft models may experience driveline vibration, use 1201K to reduce vibration

U-BOLTS

U-Bolt Kit		437UBK	2
U-Bolt Kit	Suits MITSO47C	437UBKL	2

POLYURETHANE SPRING BUSHES

Bush Kit	1200UK	1
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DRIVELINE SPACERS

Centre Bearing Spacer Kit	1201K	1
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SPACER KIT

Brake Hose Relocation Kit	1205K	1
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GREASABLE SHACKLES AND PINS

Greasable Shackle	1199	2
Non-Greasable Pin	387-1	2

HELPER SPRINGS

Load Plus Helper Springs	LP3	1
Add-A-Leaf	ISL6010	1

SUSPENSION KIT

Comfort w/ Gas Shocks	MITSO47AKG
Comfort w/ Foam Cell Shocks	MITSO47AKF
Performance w/ Gas Shocks	MITSO47BKG
Performance w/ Foam Cell Shocks	MITSO47BKF
Constant Load w/ Gas Shocks	MITSO47CKG
Constant Load w/ Foam Cell Shocks	MITSO47CKF

• Specify Front Coil Springs when ordering

Two piece tailshaft models may experience driveline vibration, use 1201K to reduce vibration.

SUSPENSION KIT CONTENTS

Shock Absorbers	Leaf Springs	Strut Shock Absorbers	Brake Hose Relocation Kit
Coil Springs	Polyurethane Spring Bushes	U-Bolts	Centre Bearing Spacer Kit

COURIER

Ranger (Not USA Model)
1985 - 2006



Product

Part No.

Qty Req

FORD

FRONT SUSPENSION

SHOCK ABSORBER

Nitro Gas			12667GR	2
Foam Cell			24667FE	2
Foam Cell Pro			45667FE	2

TORSION BAR

Up-rated Torsion Bars			MAZDA005	1
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• Minimum 60mm downward suspension travel required after adjustment

REAR SUSPENSION

SHOCK ABSORBER

Nitro Gas Comfort			12095GRC	2
Nitro Gas			12095GR	2
Foam Cell Comfort			24095FEC	2
Foam Cell			24095FE	2
Foam Cell Pro Comfort			45095FEC	2
Foam Cell Pro			45095FE	2

LEAF SPRINGS

	Est. Lift	Additional Load		
Comfort	40mm	0 - 100kg	MAZDA006A	2
Performance	40mm	0 - 200kg	MAZDA006B	2
Constant Load	40mm	200 - 400kg	MAZDA006C	2
Extra Constant Load	40mm	400kg - GVM	MAZDA006D	2

U-BOLTS

U-Bolt Kit			415UBK	2
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POLYURETHANE SPRING BUSHES

Bush Kit			756UK	1
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GREASABLE SHACKLES AND PINS

Greasable Shackle			386-1	2
Greasable Pin			794	2

HELPER SPRINGS

Load Plus Helper Springs			LP3	1
Add-A-Leaf			ISL6010	1

SUSPENSION KIT

Comfort w/ Gas Shocks	MAZDA006AKG
Comfort w/ Foam Cell Shocks	MAZDA006AKF
Comfort w/ Foam Cell Pro Shocks	MAZDA006AKP
Performance w/ Gas Shocks	MAZDA006BKG
Performance w/ Foam Cell Shocks	MAZDA006BKF
Performance w/ Foam Cell Pro Shocks	MAZDA006BKP
Constant Load w/ Gas Shocks	MAZDA006CKG
Constant Load w/ Foam Cell Shocks	MAZDA006CKF
Constant Load w/ Foam Cell Pro Shocks	MAZDA006CKP
Extra Constant Load w/ Gas Shocks	MAZDA006DKG
Extra Constant Load w/ Foam Cell Shocks	MAZDA006DKF
Extra Constant Load w/ Foam Cell Pro Shocks	MAZDA006DKP

SUSPENSION KIT CONTENTS

Shock Absorbers	Torsion Bars	Polyurethane Spring Bushes
Leaf Springs	U-Bolts	



RANGER

PJ - PK (Not USA Model)

3/2006 - 2011

FORD

Product

Part No.

Qty Req

FRONT SUSPENSION

SHOCK ABSORBER

Nitro Gas		12667GR	2
Foam Cell		24667FE	2
Foam Cell Pro		45667FE	2

TORSION BAR

Up-rated Torsion Bars	Duratorq Engine	MAZDA014	1
Up-rated Torsion Bars	2.5L WLT Engine	MAZDA005	1

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

• Minimum 60mm downward suspension travel required after adjustment

REAR SUSPENSION

SHOCK ABSORBER

Nitro Gas Comfort		12095GRC	2
Nitro Gas		12095GR	2
Foam Cell Comfort		24095FEC	2
Foam Cell		24095FE	2
Foam Cell Pro Comfort		45095FEC	2
Foam Cell Pro		45095FE	2

LEAF SPRINGS

	Est. Lift	Additional Load		
Comfort	40mm	0 - 100kg	MAZDA041A	2
Performance	40mm	0 - 200kg	MAZDA041B	2
Constant Load	40mm	200 - 400kg	MAZDA041C	2
Extra Constant Load	40mm	400kg - GVM	MAZDA041D	2

U-BOLTS

U-Bolt Kit		417UBK	2
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POLYURETHANE SPRING BUSHES

Bush Kit		759UK	1
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GREASABLE SHACKLES AND PINS

Greasable Shackle		386-1	2
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HELPER SPRINGS

Load Plus Helper Springs		LP3	1
Add-A-Leaf		ISL6010	1

SUSPENSION KIT

Comfort w/ Gas Shocks	MAZDA041AKG
Comfort w/ Foam Cell Shocks	MAZDA041AKF
Comfort w/ Foam Cell Pro Shocks	MAZDA041AKP
Performance w/ Gas Shocks	MAZDA041BKG
Performance w/ Foam Cell Shocks	MAZDA041BKF
Performance w/ Foam Cell Pro Shocks	MAZDA041BKP
Constant Load w/ Gas Shocks	MAZDA041CKG
Constant Load w/ Foam Cell Shocks	MAZDA041CKF
Constant Load w/ Foam Cell Pro Shocks	MAZDA041CKP
Extra Constant Load w/ Gas Shocks	MAZDA041DKG
Extra Constant Load w/ Foam Cell Shocks	MAZDA041DKF
Extra Constant Load w/ Foam Cell Pro Shocks	MAZDA041DKP

SUSPENSION KIT CONTENTS

Shock Absorbers	Torsion Bars	Polyurethane Spring
Leaf Springs	U-Bolts	Bushes

RANGER

(Not USA Model) T6 PX and PX Mk II
2011+



Product

Part No.

Qty Req

FORD

FRONT SUSPENSION

SHOCK ABSORBER

Nitro Gas Strut			12727GR	2
Foam Cell Strut			24727FE	2
Foam Cell Pro Strut			45727FE	2

• Height adjustable with Ironman 4x4 Strut Trim Packers

COIL SPRINGS

	Est. Lift	Additional Load		
Standard	0mm	0 - 50kg	FOR001S	1
Comfort	35mm	0 - 50kg	FOR001A	1
Performance	40mm	0 - 50kg	FOR001B	1
Constant Load	45mm	50 - 110kg	FOR001C	1

STRUT MOUNTS

Steel Strut Top			ISST014	2
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TRIM PACKERS

5mm Strut Trim Packer	(Nitro Gas / Foam Cell)	HILFR05 / HILFR05F	2
10mm Strut Trim Packer	(Nitro Gas / Foam Cell)	HILFR10 / HILFR10F	2
15mm Strut Trim Packer	(Nitro Gas / Foam Cell)	HILFR15 / HILFR15F	2

• ONLY Compatible with Ironman 4x4 Struts (except Pro), lift height subject to 1:2 motion ratio. Unnecessary fitment may lift vehicle too high

SPACER KIT

Sway Bar Relocation Kit			1203K	1
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REAR SUSPENSION

SHOCK ABSORBER

Nitro Gas Comfort			12095GRC	2
Nitro Gas			12095GR	2
Foam Cell Comfort			24095FEC	2
Foam Cell			24095FE	2
Foam Cell Pro Comfort			45095FEC	2
Foam Cell Pro			45095FE	2

LEAF SPRINGS

	Est. Lift	Additional Load		
Comfort	40mm	0 - 200kg	FOR002A	2
Performance	45mm	0 - 300kg	FOR002B	2
Constant Load	45mm	300kg - GVM	FOR002C	2

• Possible driveline vibration may occur due to increased ride height, use 1194K to reduce vibration to satisfactory level

U-BOLTS

U-Bolt Kit			417UBK	2
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POLYURETHANE SPRING BUSHES

Bush Kit			1193UK	1
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DRIVELINE SPACERS

Centre Bearing Spacer Kit			1194K	1
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GREASABLE SHACKLES AND PINS

Greasable Shackle			1147	2
Non-Greasable Pin			387-1	2

HELPER SPRINGS

Load Plus Helper Springs			LP3	1
Add-A-Leaf			ISL6010	1

Listing continued on following page



Product

Part No.

Qty Req

SUSPENSION KIT

- Comfort w/ Gas Shocks
- Comfort w/ Foam Cell Shocks
- Comfort w/ Foam Cell Pro Shocks
- Performance w/ Gas Shocks
- Performance w/ Foam Cell Shocks
- Performance w/ Foam Cell Pro Shocks
- Constant Load w/ Gas Shocks
- Constant Load w/ Foam Cell Shocks
- Constant Load w/ Foam Cell Pro Shocks

- FOR001AKG
- FOR001AKF
- FOR001AKP
- FOR001BKG
- FOR001BKF
- FOR001BKP
- FOR001CKG
- FOR001CKF
- FOR001CKP

- Specify front Coil Springs when ordering
- Possible driveline vibration may occur due to increased ride height, use 1194K to reduce vibration to satisfactory level

GVM UPGRADE

- | | |
|--|-------------------|
| 3330kg Temporary Load Foam Cell Shocks | Pre-Registration |
| 3330kg Temporary Load Foam Cell Shocks | Post Registration |
| 3330kg Temporary Load Foam Cell Pro Shocks | Pre-Registration |
| 3330kg Temporary Load Foam Cell Pro Shocks | Post Registration |
| 3330kg Permanent Load Foam Cell Shocks | Pre-Registration |
| 3330kg Permanent Load Foam Cell Shocks | Post Registration |
| 3330kg Permanent Load Foam Cell Pro Shocks | Pre-Registration |
| 3330kg Permanent Load Foam Cell Pro Shocks | Post Registration |

- FOR001BKFGVM
- FOR001BKFGVM1
- FOR001BKPGVM
- FOR001BKPGVM1
- FOR001CKFGVM
- FOR001CKFGVM1
- FOR001CKPGVM
- FOR001CKPGVM1

- Australian Customers Only
- Only available through authorised Ironman 4x4 GVM upgrade installers
- Plus engineering fee - Post Registration Only



SUSPENSION KIT CONTENTS

- | | |
|-----------------------|----------------------------|
| Shock Absorbers | U-Bolts |
| Strut Shock Absorbers | Polyurethane Spring Bushes |
| Coil Springs | Centre Bearing Spacer Kit |
| Leaf Springs | |

GVM UPGRADE KIT CONTENTS

- | | |
|-----------------------|----------------------------|
| Shock Absorbers | Polyurethane Spring Bushes |
| Strut Shock Absorbers | Centre Bearing Spacer Kit |
| Coil Springs | Greasable Shackles |
| Leaf Springs | Compliance Plate |
| U-Bolts | |





Product

Part No.

**Qty
Req**

FRONT SUSPENSION

SHOCK ABSORBER

Nitro Gas Strut			12727GR	2
Foam Cell Strut			24727FE	2
Foam Cell Pro Strut			45727FE	2

• Height adjustable with Ironman 4x4 Strut Trim Packers

COIL SPRINGS

	Est. Lift	Additional Load		
Standard	0mm	0 - 50kg	FOR001S	1
Performance	40mm	0 - 50kg	FOR001A	1
Constant Load	40mm	50 - 100kg	FOR001B	1

STRUT MOUNTS

Steel Strut Top			ISST014	2
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TRIM PACKERS

5mm Strut Trim Packer	(Nitro Gas / Foam Cell)		HILFR05 / HILFR05F	2
10mm Strut Trim Packer	(Nitro Gas / Foam Cell)		HILFR10 / HILFR10F	2
15mm Strut Trim Packer	(Nitro Gas / Foam Cell)		HILFR15 / HILFR15F	2

• ONLY Compatible with Ironman 4x4 Struts (except Pro), lift height subject to 1:2 motion ratio. Unnecessary fitment may lift vehicle too high

REAR SUSPENSION

SHOCK ABSORBER

Nitro Gas ¹			12732GR	2
Foam Cell ¹			24732FE	2
Foam Cell Pro ²			45732FE	2

¹ Refit original bump stop and shock absorber dust cover.

² Refit original bump stop with supplied Ironman 4x4 dust boot.

COIL SPRINGS

	Est. Lift	Additional Load		
Performance	45mm	0 - 300kg	FOR003B	1
Constant Load	45mm	300kg - GVM	FOR003C	1

SUSPENSION KIT

Performance w/ Gas Shocks	FOR003BKG
Performance w/ Foam Cell Shocks	FOR003BKF
Performance w/ Foam Cell Pro Shocks	FOR003BKP
Constant Load w/ Gas Shocks	FOR003CKG
Constant Load w/ Foam Cell Shocks	FOR003CKF
Constant Load w/ Foam Cell Pro Shocks	FOR003CKP

• Specify front Coil Springs when ordering

SUSPENSION KIT CONTENTS

Shock Absorbers	Coil Springs
Strut Shock Absorbers	



Product

Part No.

Qty Req

FRONT SUSPENSION

SHOCK ABSORBER

Nitro Gas Strut 12710GR 2

Foam Cell Strut 24710FE 2

• Height adjustable with Ironman 4x4 Strut Trim Packers

COIL SPRINGS

Est. Lift Additional Load

Performance 40mm 0 - 50kg TOY055C 1

Constant Load 40mm 50 - 110kg TOY065B 1

STRUT MOUNTS

Steel Strut Top ISST001 2

TRIM PACKERS

5mm Strut Trim Packer (Nitro Gas / Foam Cell) HILFR05 / HILFR05F 2

10mm Strut Trim Packer (Nitro Gas / Foam Cell) HILFR10 / HILFR10F 2

15mm Strut Trim Packer (Nitro Gas / Foam Cell) HILFR15 / HILFR15F 2

• ONLY Compatible with Ironman 4x4 Struts (except Pro), lift height subject to 1:2 motion ratio. Unnecessary fitment may lift vehicle too high

REAR SUSPENSION

SHOCK ABSORBER

Nitro Gas 12804GR 2

Foam Cell 24804FE 2

COIL SPRINGS

Est. Lift Additional Load

Performance 40mm 0 - 200kg TOY056A 1

Constant Load 40mm 200 - 400kg TOY056B 1

Extra Constant Load 40mm 400kg - GVM TOY056C 1

SUSPENSION KIT

Performance w/ Gas Shocks TOY056AKG

Performance w/ Foam Cell TOY056AKF

Constant Load w/ Gas Shocks TOY056BKG

Constant Load w/ Foam Cell TOY056BKF

Extra Constant Load w/ Gas Shocks TOY056CKG

Extra Constant Load w/ Foam Cell TOY056CKF

SUSPENSION KIT CONTENTS

Shock Absorbers Coil Springs
Strut Shock Absorbers



Product	Part No.	Qty Req
FRONT SUSPENSION		
SHOCK ABSORBER		
Nitro Gas	12087GR	2
Foam Cell	24087FE	2
TORSION BAR		
Up-rated Torsion Bars <i>• Minimum 60mm downward suspension travel required after adjustment</i>	MAZDA005	1
REAR SUSPENSION		
SHOCK ABSORBER		
Nitro Gas Comfort	12636GRC	2
Nitro Gas	12636GR	2
Foam Cell Comfort	24636FEC	2
Foam Cell	24636FE	2
LEAF SPRINGS	Est. Lift	Additional Load
Performance Drivers Side	40mm	0 - 300kg
Performance Near Side	40mm	0 - 300kg
Constant Load Drivers Side	40mm	300kg - GVM
Constant Load Near Side	40mm	300kg - GVM
	HOLD004BD/S	1
	HOLD004BN/S	1
	HOLD004CD/S	1
	HOLD004CN/S	1
U-BOLTS		
U-Bolt Kit	451UBK	2
POLYURETHANE SPRING BUSHES		
Bush Kit	747UK	1
GREASABLE SHACKLES AND PINS		
Greasable Shackle	791	2
Greasable Pin	792	2
HELPER SPRINGS		
Load Plus Helper Springs	LP3	1
Add-A-Leaf	ISL6010	1
SUSPENSION KIT		
Performance w/ Gas Shocks	HOLD005BKG	
Performance w/ Foam Cell Shocks	HOLD005BKF	
Constant Load w/ Gas Shocks	HOLD005CKG	
Constant Load w/ Foam Cell Shocks	HOLD005CKF	

SUSPENSION KIT CONTENTS

Shock Absorbers	Torsion Bars	Polyurethane Spring Bushes
Leaf Springs	U-Bolts	



Product	Part No.	Qty Req		
FRONT SUSPENSION				
SHOCK ABSORBER				
Nitro Gas	12087GR	2		
Foam Cell	24087FE	2		
TORSION BAR				
Up-rated Torsion Bars	33mm Spline	HOLD005A	1	
Up-rated Torsion Bars	36mm Spline	HOLD007	1	
• Minimum 60mm downward suspension travel required after adjustment				
REAR SUSPENSION				
SHOCK ABSORBER				
Nitro Gas	12671GR	2		
LEAF SPRINGS				
	Est. Lift	Additional Load		
Performance Drivers Side	40mm	0 - 300kg	HOLD004BD/S	1
Performance Near Side	40mm	0 - 300kg	HOLD004BN/S	1
Constant Load Drivers Side	40mm	300kg - GVM	HOLD004CD/S	1
Constant Load Near Side	40mm	300kg - GVM	HOLD004CN/S	1
U-BOLTS				
U-Bolt Kit	451UBK	2		
POLYURETHANE SPRING BUSHES				
Bush Kit	747UK	1		
GREASABLE SHACKLES AND PINS				
Greasable Shackle	791	2		
Greasable Pin	792	2		
HELPER SPRINGS				
Load Plus Helper Springs	LP3	1		
Add-A-Leaf	ISL6010	1		
SUSPENSION KIT				
Performance w/ Gas Shocks	HOLD007BKG			
Performance w/ Foam Cell Shocks	HOLD007BKF			

SUSPENSION KIT CONTENTS

Shock Absorbers	Torsion Bars	Polyurethane Spring Bushes
Leaf Springs	U-Bolts	



JACKAROO

Isuzu Trooper / Bighorn / Monterey
1992+

HOLDEN / ISUZU

Product	Part No.	Qty Req
FRONT SUSPENSION		
SHOCK ABSORBER		
Nitro Gas	12643GR	2
Foam Cell	24643FE	2
TORSION BAR		
Up-rated Torsion Bars	HOLD009	1
• Minimum 60mm downward suspension travel required after adjustment		
REAR SUSPENSION		
SHOCK ABSORBER		
Nitro Gas	12644GR	2
Foam Cell	24644FE	2
COIL SPRINGS		
	Est. Lift	Additional Load
Performance	40mm	0 - 300kg
Constant Load	40mm	300kg - GVM
• Use HOLD008C for 3/2001+ Models		
SUSPENSION KIT		
Performance w/ Gas Shocks	HOLD008BKG	
Performance w/ Foam Cell Shocks	HOLD008BKF	
Constant Load w/ Gas Shocks	HOLD008CKG	
Constant Load w/ Foam Cell Shocks	HOLD008CKF	

SUSPENSION KIT CONTENTS

Shock Absorbers Torsion Bars
Coil Springs



HOLDEN

Product

Part No.

Qty Req

FRONT SUSPENSION

SHOCK ABSORBER

Nitro Gas			12667GR	2
Foam Cell			24667FE	2

TORSION BAR

Up-rated Torsion Bars			HOLD009	1
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• Minimum 60mm downward suspension travel required after adjustment

REAR SUSPENSION

SHOCK ABSORBER

Nitro Gas			12644GR	2
Foam Cell			24644FE	2

COIL SPRINGS

	Est. Lift	Additional Load		
Performance	45mm	0 - 300kg	HOLD008B	1
Constant Load	45mm	300kg - GVM	HOLD008C	1

SUSPENSION KIT

Performance w/ Gas Shocks	HOLD008BKG1
Performance w/ Foam Cell Shocks	HOLD008BKF1
Constant Load w/ Gas Shocks	HOLD008CKG1
Constant Load w/ Foam Cell Shocks	HOLD008CKF1

SUSPENSION KIT CONTENTS

Shock Absorbers	Torsion Bars
Coil Springs	



RODEO

KB - TF

1983 - 1988

HOLDEN

Product	Part No.	Qty Req
FRONT SUSPENSION		
SHOCK ABSORBER		
Nitro Gas	12087GR	2
Foam Cell	24087FE	2
TORSION BAR		
Uprated Torsion Bars	MAZDA005	1
<i>Suits 1983 - 1988</i>		
<i>• Minimum 60mm downward suspension travel required after adjustment</i>		
REAR SUSPENSION		
SHOCK ABSORBER		
Nitro Gas Comfort	12636GRC	2
Nitro Gas	12636GR	2
Foam Cell Comfort	24636FEC	2
Foam Cell	24636FE	2
LEAF SPRINGS		
	Est. Lift	Additional Load
Performance Drivers Side	40mm	0 - 300kg
Performance Near Side	40mm	0 - 300kg
Constant Load Drivers Side	40mm	300kg - GVM
Constant Load Near Side	40mm	300kg - GVM
	HOLD004BD/S	1
	HOLD004BN/S	1
	HOLD004CD/S	1
	HOLD004CN/S	1
U-BOLTS		
U-Bolt Kit	451UBK	2
POLYURETHANE SPRING BUSHES		
Bush Kit	728UK	1
GREASABLE SHACKLES AND PINS		
Greasable Shackle	791	2
Greasable Pin	792	2
HELPER SPRINGS		
Load Plus Helper Springs	LP3	1
Add-A-Leaf	ISL6010	1
SUSPENSION KIT		
Performance w/ Gas Shocks	HOLD004BKG1	
Performance w/ Foam Cell Shocks	HOLD004BKF1	
Constant Load w/ Gas Shocks	HOLD004CKG1	
Constant Load w/ Foam Cell Shocks	HOLD004CKF1	

SUSPENSION KIT CONTENTS

Shock Absorbers	Torsion Bars	Polyurethane Spring Bushes
Leaf Springs	U-Bolts	



Product	Part No.	Qty Req
FRONT SUSPENSION		
SHOCK ABSORBER		
Nitro Gas	12643GR	2
TORSION BAR		
Up-rated Torsion Bars	HOLD005A	1
• Minimum 60mm downward suspension travel required after adjustment		
REAR SUSPENSION		
SHOCK ABSORBER		
Nitro Gas Comfort	12636GRC	2
Nitro Gas	12636GR	2
Foam Cell Comfort	24636FEC	2
Foam Cell	24636FE	2
LEAF SPRINGS		
	Est. Lift	Additional Load
Performance Drivers Side	40mm	0 - 300kg
Performance Near Side	40mm	0 - 300kg
Constant Load Drivers Side	40mm	300kg - GVM
Constant Load Near Side	40mm	300kg - GVM
	HOLD004BD/S	1
	HOLD004BN/S	1
	HOLD004CD/S	1
	HOLD004CN/S	1
U-BOLTS		
U-Bolt Kit	415UBK	2
POLYURETHANE SPRING BUSHES		
Bush Kit	728UK	1
GREASABLE SHACKLES AND PINS		
Greasable Shackle	386-2	2
Non-Greasable Pin	387-1	2
HELPER SPRINGS		
Load Plus Helper Springs	LP3	1
Add-A-Leaf	ISL6010	1
SUSPENSION KIT		
Performance w/ Gas Shocks	HOLD004BKG2	
Constant Load w/ Gas Shocks	HOLD004CKG2	

SUSPENSION KIT CONTENTS

Shock Absorbers	Torsion Bars	Polyurethane Spring Bushes
Leaf Springs	U-Bolts	



RODEO / COLORADO / D-MAX

RA / RA7 / RC
2003 - 2012

HOLDEN / CHEVROLET / ISUZU

Product	Part No.	Qty Req
FRONT SUSPENSION		
SHOCK ABSORBER		
Nitro Gas	12667GR	2
Foam Cell	24667FE	2
TORSION BAR		
Up-rated Torsion Bars	HOLD010	1
• Minimum 60mm downward suspension travel required after adjustment		
REAR SUSPENSION		
SHOCK ABSORBER		
Nitro Gas Comfort	12636GRC	2
Nitro Gas	12636GR	2
Foam Cell Comfort	24636FEC	2
Foam Cell	24636FE	2
LEAF SPRINGS		
	Est. Lift	Additional Load
Performance	40mm	0 - 300kg
Constant Load	40mm	300kg - 600kg
Extra Constant Load	40mm	600kg - GVM
	HOLD006B	2
	HOLD006C	2
	HOLD006D	2
U-BOLTS		
U-Bolt Kit	417UBK	2
POLYURETHANE SPRING BUSHES		
Bush Kit	728TUK	1
GREASABLE SHACKLES AND PINS		
Greasable Shackle	386-2	2
Non-Greasable Pin	387-1	2
HELPER SPRINGS		
Add-A-Leaf	ISL6010	1
• Not suitable for Rodeo / Colorado / D-Max with OEM springs due to interleaf liners		
SUSPENSION KIT		
Performance w/ Gas Shocks	HOLD006BKG	
Performance w/ Foam Cell Shocks	HOLD006BKF	
Constant Load w/ Gas Shocks	HOLD006CKG	
Constant Load w/ Foam Cell Shocks	HOLD006CKF	
Extra Constant Load w/ Gas Shocks	HOLD006DKG	
Extra Constant Load w/ Foam Cell Shocks	HOLD006DKF	

SUSPENSION KIT CONTENTS

Shock Absorbers	Torsion Bars	Polyurethane Spring Bushes
Leaf Springs	U-Bolts	



Product

Part No.

Qty Req

FRONT SUSPENSION

SHOCK ABSORBER

Nitro Gas Strut			12745GR	2
Foam Cell Strut			24745FE	2
Foam Cell Pro Strut			45745FE	2

• Height adjustable with Ironman 4x4 Strut Trim Packers

COIL SPRINGS

	Est. Lift	Additional Load		
Standard	0mm	0 - 50kg	HOLD020S	1
Comfort	30mm	0 - 50kg	HOLD020A	1
Performance	40mm	0 - 50kg	HOLD020B	1
Constant Load	40mm	50 - 110kg	HOLD020C	1

STRUT MOUNTS

Steel Strut Top			ISST017	2
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TRIM PACKERS

5mm Strut Trim Packer	(Nitro Gas / Foam Cell)		HILFR05 / HILFR05F	2
10mm Strut Trim Packer	(Nitro Gas / Foam Cell)		HILFR10 / HILFR10F	2
15mm Strut Trim Packer	(Nitro Gas / Foam Cell)		HILFR15 / HILFR15F	2

• ONLY Compatible with Ironman 4x4 Struts (except Pro), lift height subject to 1:2 motion ratio. Unnecessary fitment may lift vehicle too high

REAR SUSPENSION

SHOCK ABSORBER

Nitro Gas Comfort			12636GRC	2
Nitro Gas			12636GR	2
Foam Cell Comfort			24636FEC	2
Foam Cell			24636FE	2
Foam Cell Pro Comfort			45636FEC	2
Foam Cell Pro			45636FE	2

LEAF SPRINGS

	Est. Lift	Additional Load		
Comfort	30mm	0 - 200kg	HOLD021A	2
Performance	45mm	0 - 300kg	HOLD021B	2
Constant Load	45mm	300kg - 600kg	HOLD021C	2
Extra Constant Load	45mm	600kg - GVM	HOLD021D	2

U-BOLTS

U-Bolt Kit			437UBKL	2
U-Bolt Kit		Suits HOLD021D	678UBK	2

POLYURETHANE SPRING BUSHES

Bush Kit			770UK	1
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SPACER KIT

Brake Hose Relocation Kit *Only applicable to D-Max			1152K	1
Tailshaft Spacer *Only applicable to D-Max			ITSS021	1

GREASABLE SHACKLES AND PINS

Greasable Shackle			1148	2
Non-Greasable Pin			387-1	2

HELPER SPRINGS

Add-A-Leaf			ISL6010	1
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Listing continued on following page



Product

Part No.

**Qty
Req**

SUSPENSION KIT

- Comfort w/ Gas Shocks
 - Comfort w/ Foam Cell Shocks
 - Comfort w/ Foam Cell Pro Shocks
 - Performance w/ Gas Shocks
 - Performance w/ Foam Cell Shocks
 - Performance w/ Foam Cell Pro Shocks
 - Constant Load w/ Gas Shocks
 - Constant Load w/ Foam Cell Shocks
 - Constant Load w/ Foam Cell Pro Shocks
 - Extra Constant Load w/ Gas Shocks
 - Extra Constant Load w/ Foam Cell Shocks
 - Extra Constant Load w/ Foam Cell Pro Shocks
- Specify front Coil Springs when ordering

- HOLD021AKG
- HOLD021AKF
- HOLD021AKP
- HOLD021BKG
- HOLD021BKF
- HOLD021BKP
- HOLD021CKG
- HOLD021CKF
- HOLD021CKP
- HOLD021DKG
- HOLD021DKF
- HOLD021DKP

HOLDEN / CHEVROLET / ISUZU



SUSPENSION KIT CONTENTS

Shock Absorbers	Coil Springs	Polyurethane Spring Bushes	Strut Shock Absorbers
Leaf Springs	U-Bolts	Brake Hose Relocation Kit	



Product

Part No.

Qty Req

FRONT SUSPENSION

SHOCK ABSORBER

Nitro Gas Strut			12745GR	2
Foam Cell Strut			24745FE	2
Foam Cell Pro Strut			45745FE	2

• Height adjustable with Ironman 4x4 Strut Trim Packers

COIL SPRINGS

	Est. Lift	Additional Load		
Performance	40mm	0 - 50kg	HOLD020A	1
Constant Load	40mm	50 - 110kg	HOLD020B	1

STRUT MOUNTS

Steel Strut Top			ISST017	2
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TRIM PACKERS

5mm Strut Trim Packer	(Nitro Gas / Foam Cell)		HILFR05 / HILFR05F	2
10mm Strut Trim Packer	(Nitro Gas / Foam Cell)		HILFR10 / HILFR10F	2
15mm Strut Trim Packer	(Nitro Gas / Foam Cell)		HILFR15 / HILFR15F	2

• ONLY Compatible with Ironman 4x4 Struts (except Pro), lift height subject to 1:2 motion ratio. Unnecessary fitment may lift vehicle too high

REAR SUSPENSION

SHOCK ABSORBER

Nitro Gas Comfort			12636GRC	2
Nitro Gas			12636GR	2
Foam Cell Comfort			24636FEC	2
Foam Cell			24636FE	2
Foam Cell Pro Comfort			45636FEC	2
Foam Cell Pro			45636FE	2

LEAF SPRINGS

	Est. Lift	Additional Load		
Comfort	30mm	0 - 200kg	HOLD021A	2
Performance	45mm	0 - 300kg	HOLD021B	2
Constant Load	45mm	300kg - 600kg	HOLD021C	2
Extra Constant Load	45mm	600kg - GVM	HOLD021D	2

U-BOLTS

U-Bolt Kit			437UBKL	2
U-Bolt Kit		Suits HOLD021D	678UBK	2

POLYURETHANE SPRING BUSHES

Bush Kit			770UK	1
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SPACER KIT

Brake Hose Relocation Kit *Only applicable to D-Max			1152K	1
Tailshaft Spacer *Only applicable to D-Max			ITSS021	1

GREASABLE SHACKLES AND PINS

Greasable Shackle			1148	2
Non-Greasable Pin			387-1	2

HELPER SPRINGS

Add-A-Leaf			ISL6010	1
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Listing continued on following page



Product

Part No.

**Qty
Req**

SUSPENSION KIT

- Comfort w/ Gas Shocks
 - Comfort w/ Foam Cell Shocks
 - Comfort w/ Foam Cell Pro Shocks
 - Performance w/ Gas Shocks
 - Performance w/ Foam Cell Shocks
 - Performance w/ Foam Cell Pro Shocks
 - Constant Load w/ Gas Shocks
 - Constant Load w/ Foam Cell Shocks
 - Constant Load w/ Foam Cell Pro Shocks
 - Extra Constant Load w/ Gas Shocks
 - Extra Constant Load w/ Foam Cell Shocks
 - Extra Constant Load w/ Foam Cell Pro Shocks
- Specify front Coil Springs when ordering

- HOLD021AG1
- HOLD021AKF1
- HOLD021AKP1
- HOLD021BKG1
- HOLD021BKF1
- HOLD021BKP1
- HOLD021CKG1
- HOLD021CKF1
- HOLD021CKP1
- HOLD021DKG1
- HOLD021DKF1
- HOLD021DKP1

HOLDEN / CHEVROLET / ISUZU

SUSPENSION KIT CONTENTS

Shock Absorbers	Coil Springs	Polyurethane Spring Bushes	Strut Shock Absorbers
Leaf Springs	U-Bolts	Brake Hose Relocation Kit	

COLORADO / D-MAX

2WD
2012+



Product

Part No.

Qty Req

FRONT SUSPENSION

SHOCK ABSORBER

Nitro Gas Strut 12797GR 2

• Height adjustable with Ironman 4x4 Strut Trim Packers

COIL SPRINGS

	Est. Lift	Additional Load		
Performance	35mm	0 - 50kg	TOY038B	1
Constant Load	35mm	50 - 110kg	TOY038C	1

TRIM PACKERS

5mm Strut Trim Packer	(Nitro Gas / Foam Cell)	HILFR05 / HILFR05F	2
10mm Strut Trim Packer	(Nitro Gas / Foam Cell)	HILFR10 / HILFR10F	2
15mm Strut Trim Packer	(Nitro Gas / Foam Cell)	HILFR15 / HILFR15F	2

• ONLY Compatible with Ironman 4x4 Struts (except Pro), lift height subject to 1:2 motion ratio. Unnecessary fitment may lift vehicle too high

REAR SUSPENSION

SHOCK ABSORBER

Nitro Gas Comfort 12636GRC 2

Nitro Gas 12636GR 2

LEAF SPRINGS

	Est. Lift	Additional Load		
Performance	45mm	0 - 300kg	HOLD023B	2
Constant Load	45mm	300kg - 600kg	HOLD023C	2

U-BOLTS

U-Bolt Kit 417UBK 2

POLYURETHANE SPRING BUSHES

Bush Kit 728UK 1

GREASABLE SHACKLES AND PINS

Greasable Shackle 386-2 2

HELPER SPRINGS

Add-A-Leaf ISL6010 1

SUSPENSION KIT

Performance w/ Gas Shocks HOLD023BKG

Constant Load w/ Gas Shocks HOLD023CKG

• Specify front Coil Springs when ordering

SUSPENSION KIT CONTENTS

Shock Absorbers
Leaf Springs

Coil Springs
U-Bolts

Polyurethane Spring Bushes
Strut Shock Absorbers



Product

Part No.

**Qty
Req**

FRONT SUSPENSION

SHOCK ABSORBER

Nitro Gas Strut			12745GR	2
Foam Cell Strut			24745FE	2
Foam Cell Pro Strut			45745FE	2

• Height adjustable with Ironman 4x4 Strut Trim Packers

COIL SPRINGS

	Est. Lift	Additional Load		
Standard	0mm	0 - 50kg	HOLD020S	1
Comfort	30mm	0 - 50kg	HOLD020A	1
Performance	40mm	0 - 50kg	HOLD020B	1
Constant Load	40mm	50 - 110kg	HOLD020C	1

STRUT MOUNTS

Steel Strut Top			ISST017	2
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TRIM PACKERS

5mm Strut Trim Packer	(Nitro Gas / Foam Cell)		HILFR05 / HILFR05F	2
10mm Strut Trim Packer	(Nitro Gas / Foam Cell)		HILFR10 / HILFR10F	2
15mm Strut Trim Packer	(Nitro Gas / Foam Cell)		HILFR15 / HILFR15F	2

• ONLY Compatible with Ironman 4x4 Struts (except Pro), lift height subject to 1:2 motion ratio. Unnecessary fitment may lift vehicle too high

REAR SUSPENSION

SHOCK ABSORBER

Nitro Gas Comfort			12746GRC	2
Nitro Gas			12746GR	2
Foam Cell Comfort			24746FEC	2
Foam Cell			24746FE	2
Foam Cell Pro Comfort			45746FEC	2
Foam Cell Pro			45746FE	2

COIL SPRINGS

	Est. Lift	Additional Load		
Standard	0mm	0 - 250kg	HOLD022S	1
Comfort	30mm	0 - 250kg	HOLD022A	1
Performance	40mm	0 - 250kg	HOLD022B	1
Constant Load	45mm	250kg - GVM	HOLD022C	1

SUSPENSION KIT

Standard w/ Gas Shocks	HOLD022SKG
Standard w/ Foam Cell Shocks	HOLD022SKF
Standard w/ Foam Cell Pro Shocks	HOLD022SKP
Comfort w/ Gas Shocks	HOLD022AKG
Comfort w/ Foam Cell Shocks	HOLD022AKF
Comfort w/ Foam Cell Pro Shocks	HOLD022AKP
Performance w/ Gas Shocks	HOLD022BKG
Performance w/ Foam Cell Shocks	HOLD022BKF
Performance w/ Foam Cell Pro Shocks	HOLD022BKP
Constant Load w/ Gas Shocks	HOLD022CKG
Constant Load w/ Foam Cell Shocks	HOLD022CKF
Constant Load w/ Foam Cell Pro Shocks	HOLD022CKP

• Specify front Coil Springs when ordering

SUSPENSION KIT CONTENTS

Shock Absorbers	Coil Springs
Strut Shock Absorbers	



ISUZU

Product

Part No.

Qty Req

FRONT SUSPENSION

SHOCK ABSORBER

Nitro Gas Strut			12745GR	2
Foam Cell Strut			24745FE	2
Foam Cell Pro Strut			45745FE	2

• Height adjustable with Ironman 4x4 Strut Trim Packers

COIL SPRINGS

	Est. Lift	Additional Load		
Standard	0mm	0 - 50kg	HOLD020S	1
Comfort	30mm	0 - 50kg	HOLD020A	1
Performance	40mm	0 - 50kg	HOLD020B	1
Constant Load	40mm	50 - 110kg	HOLD020C	1

STRUT MOUNTS

Steel Strut Top			ISST017	2
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TRIM PACKERS

5mm Strut Trim Packer	(Nitro Gas / Foam Cell)	HILFR05 / HILFR05F	2
10mm Strut Trim Packer	(Nitro Gas / Foam Cell)	HILFR10 / HILFR10F	2
15mm Strut Trim Packer	(Nitro Gas / Foam Cell)	HILFR15 / HILFR15F	2

• ONLY Compatible with Ironman 4x4 Struts (except Pro), lift height subject to 1:2 motion ratio. Unnecessary fitment may lift vehicle too high

REAR SUSPENSION

SHOCK ABSORBER

Nitro Gas Comfort			12746GRC	2
Nitro Gas			12746GR	2
Foam Cell Comfort			24746FEC	2
Foam Cell			24746FE	2
Foam Cell Pro Comfort			45746FEC	2
Foam Cell Pro			45746FE	2

COIL SPRINGS

	Est. Lift	Additional Load		
Performance	40mm	0 - 250kg	HOLD008B	1
Constant Load	40mm	250kg - GVM	HOLD008C	1

SUSPENSION KIT

Performance w/ Gas Shocks	HOLD020BKG
Performance w/ Foam Cell Shocks	HOLD020BKF
Performance w/ Foam Cell Pro Shocks	HOLD020BKP
Constant Load w/ Gas Shocks	HOLD020CKG
Constant Load w/ Foam Cell Shocks	HOLD020CKF
Constant Load w/ Foam Cell Pro Shocks	HOLD020CKP

• Specify front Coil Springs when ordering

SUSPENSION KIT CONTENTS

Shock Absorbers	Coil Springs
Strut Shock Absorbers	



Product	Part No.	Qty Req
FRONT SUSPENSION		
SHOCK ABSORBER		
Nitro Gas	12087GR	2
Foam Cell	24087FE	2
TORSION BAR		
Up-rated Torsion Bars	HYUND004	1
• Minimum 60mm downward suspension travel required after adjustment		
REAR SUSPENSION		
SHOCK ABSORBER		
Nitro Gas Comfort	12637GRC	2
Nitro Gas	12637GR	2
COIL SPRINGS		
	Est. Lift	Additional Load
Performance	40mm	0 - 300kg
	HYUND003B	1
DIFF BREATHER EXTENDED		
Breather Hose	DHOSE350	1
SUSPENSION KIT		
Performance w/ Gas Shocks	HYUND003BKG	

SUSPENSION KIT CONTENTS

Shock Absorbers	Torsion Bar
Coil Springs	Extended Breather Hose



JEEP

Product	Part No.	Qty Req
FRONT SUSPENSION		
SHOCK ABSORBER		
Nitro Gas	12665GR	2
Foam Cell	24665FE	2
COIL SPRINGS		
	Est. Lift	Additional Load
Performance	45mm	0 - 100kg
	JEEP016B	1
STEERING DAMPER		
Foam Cell	3540	1
REAR SUSPENSION		
SHOCK ABSORBER		
Nitro Gas	12666GR	2
Foam Cell	24666FE	2
LEAF SPRINGS		
	Est. Lift	Additional Load
Performance Drivers Side	45mm	0 - 250kg
Performance Near Side	45mm	0 - 250kg
	JEEP004BD/S	1
	JEEP004BN/S	1
• In some cases a driveline vibration may occur after lift, a gearbox crossmember spacer may be required		
U-BOLTS		
U-Bolt Kit	512UBK	2
POLYURETHANE SPRING BUSHES		
Bush Kit	762UK	1
SUSPENSION KIT		
Performance w/ Gas Shocks	JEEP003BKG	
Performance w/ Foam Cell Shocks	JEEP003BKF	
• In some cases a driveline vibration may occur after lift, a gearbox crossmember spacer may be required		

SUSPENSION KIT CONTENTS

Shock Absorbers	Leaf Springs	Polyurethane Spring Bushes
Coil Springs	U-Bolts	



Product

Part No.

Qty Req

FRONT SUSPENSION

SHOCK ABSORBER

Nitro Gas Strut			12711GR	2
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• Height adjustable with Ironman 4x4 Strut Trim Packers

COIL SPRINGS

	Est. Lift	Additional Load		
Performance	40mm	0 - 50kg	JEEP014B	1
Constant Load or Diesel	40mm	50 - 100kg	JEEP014C	1

TRIM PACKERS

5mm Nitro Gas Strut Trim Packer			HILFR05	2
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10mm Nitro Gas Strut Trim Packer			HILFR10	2
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15mm Nitro Gas Strut Trim Packer			HILFR15	2
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• ONLY Compatible with Ironman 4x4 Struts, lift height subject to 1:2 motion ratio. Unnecessary fitment may lift vehicle too high

REAR SUSPENSION

SHOCK ABSORBER

Nitro Gas			12712GR	2
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COIL SPRINGS

	Est. Lift	Additional Load		
Performance	40mm	0 - 200kg	JEEP015B	1

SUSPENSION KIT

Performance w/ Gas Shocks	JEEP014BKG
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Performance w/ Gas Shocks (Diesel)	JEEP014BKG1
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• Vehicles with monocoque body construction can be subject to increased NVH (Noise) with upgraded suspension installed

SUSPENSION KIT CONTENTS

Shock Absorbers

Coil Springs

CHEROKEE

Liberty KK
2007-2012



Product

Part No.

Qty Req

FRONT SUSPENSION

SHOCK ABSORBER

Nitro Gas

12711GR

2

• Height adjustable with Ironman 4x4 Strut Trim Packers

TRIM PACKERS

5mm Nitro Gas Strut Trim Packer

HILFR05

2

10mm Nitro Gas Strut Trim Packer

HILFR10

2

15mm Nitro Gas Strut Trim Packer

HILFR15

2

• ONLY Compatible with Ironman 4x4 Struts, lift height subject to 1:2 motion ratio. Unnecessary fitment may lift vehicle too high

REAR SUSPENSION

SHOCK ABSORBER

Nitro Gas

12712GR

2

• Vehicles with monocoque body construction can be subject to increased NVH (Noise) with upgraded suspension installed

JEEP



Product	Part No.	Qty Req
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FRONT SUSPENSION

SHOCK ABSORBER

Nitro Gas		12665GR	2
Foam Cell		24665FE	2

COIL SPRINGS

	Est. Lift	Additional Load		
Performance	40mm	0 - 40kg	JEEP007B	1
Constant Load	40mm	40 - 80kg	JEEP003B	1

STEERING DAMPER

Foam Cell		3540	1
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REAR SUSPENSION

SHOCK ABSORBER

Nitro Gas		12669GR	2
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COIL SPRINGS

	Est. Lift	Additional Load		
Performance	40mm	0 - 200kg	JEEP008B	1

• In some cases a driveline vibration may occur after lift, a gearbox crossmember spacer may be required

SUSPENSION KIT

Performance w/ Gas Shocks	JEEP007BKG
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- In some cases a driveline vibration may occur after lift, a gearbox crossmember spacer may be required
- Specify front Coil Springs when ordering

SUSPENSION KIT CONTENTS

- Shock Absorbers
- Coil Springs

WRANGLER

JK
2006+



JEEP

Product	Part No.	Qty Req
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FRONT SUSPENSION

SHOCK ABSORBER

Nitro Gas		12751GR	2
Foam Cell Pro		45751FE	2
Nitro Gas	Suits 4" Lift	12751LGR	2
Foam Cell Pro	Suits 4" Lift	45751LFE	2

COIL SPRINGS

	Est. Lift	Additional Load		
Performance	40mm	0 - 50kg	JEEP017B	1
Constant Load	40mm	50 - 110kg	JEEP017C	1
Performance 4" Lift	100mm	0 - 50kg	JEEP019B	1

STEERING DAMPER

Foam Cell	Regular Fitment	3541	1
Foam Cell	Suits JKBKITL 4" Kit Only	3540	1

PANHARD ROD

Adjustable Panhard Rod		PANHARD010	1
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REAR SUSPENSION

SHOCK ABSORBER

Nitro Gas		12752GR	2
Foam Cell Pro		45752FE	2
Nitro Gas	Suits 4" Lift	12752LGR	2
Foam Cell Pro	Suits 4" Lift	45752LFE	2

COIL SPRINGS

	Est. Lift	Additional Load		
Performance 2 Door	40mm	0 - 250kg	JEEP018A	1
Performance 4 Door	40mm	0 - 250kg	JEEP018B	1
Performance 4" Lift	100mm	0 - 250kg	JEEP020B	1

PANHARD ROD

Adjustable Panhard Rod		PANHARD011	1
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SWAY BAR LINK

Extended Sway Bar Link		SBEXT008	2
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• OEM Rear Links can be moved to the front of vehicle.

BRACKET KIT

4" Lift Bracket Set	Left Hand Drive Models ONLY	JKBKITL	1
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• Bracket set is sold complete. Parts are not available individually

SUSPENSION KIT

2 Door Performance w/ Gas Shocks	JEEP017AKG
2 Door Performance w/ Foam Cell Pro Shocks	JEEP017AKP
4 Door Performance w/ Gas Shocks	JEEP017BKG
4 Door Performance w/ Foam Cell Pro Shocks	JEEP017BKP
4" Lift Performance w/ Gas Shocks	JEEP019BKGL
4" Lift Performance w/ Foam Cell Pro Shocks	JEEP019BKPL

• 4" Lift may not be legal for road use in your area. Certification may be required for on-road use

• 4" Lift Kit suits left hand drive models ONLY

• 4" Lift components should only be used together with appropriate geometry correction components

SUSPENSION KIT CONTENTS

Shock Absorbers
Coil Springs

4" SUSPENSION KIT CONTENTS

Shock Absorbers
Coil Springs
Steering Damper
4" Bracket Set

4" BRACKET SET CONTENTS

Steering Rod Flip Kit - JKBK01L
Front Shock Absorber Relocation Kit - JKBK02
Radius Arm Relocation Kit - JKBK03
Brake Hose Extension Kit - JKBK04
Front Adjustable Panhard Rod - PANHARD010

Rear Adjustable Panhard Rod - PANHARD012
Rear Panhard Rod Relocation Kit - JKBK05L
Bump Stop Spacer Kit - JKBK06
Adjustable Swaybar Extensions - SBEXT008



GRAND CHEROKEE

ZJ/ZG
1993-1998

JEEP

Product			Part No.	Qty Req
FRONT SUSPENSION				
SHOCK ABSORBER				
Nitro Gas			12665GR	2
Foam Cell			24665FE	2
COIL SPRINGS				
	Est. Lift	Additional Load		
Performance	40mm	0 - 50kg	JEEP003B	1
Constant Load	40mm	50 - 100kg	JEEP016B	1
STEERING DAMPER				
Foam Cell			3540	1
REAR SUSPENSION				
SHOCK ABSORBER				
Nitro Gas			12670GR	2
COIL SPRINGS				
	Est. Lift	Additional Load		
Performance	40mm	0 - 300kg	JEEP006B	1
Constant Load	40mm	300kg - GVM	JEEP003B	1
SUSPENSION KIT				
Performance w/ Gas Shocks			JEEP006BKG	
Constant Load w/ Gas Shocks			JEEP006CKG	

• Vehicles with monocoque body construction can be subject to increased NVH (Noise) with upgraded suspension installed

SUSPENSION KIT CONTENTS

- Shock Absorbers
- Coil Springs

GRAND CHEROKEE

WJ/WG

1999-6/2005



Product

Part No.

Qty Req

JEEP

FRONT SUSPENSION

SHOCK ABSORBER

Nitro Gas

12774GR

2

COIL SPRINGS

Est. Lift Additional Load

Performance

40mm

0 - 50kg

JEEP012B

1

REAR SUSPENSION

SHOCK ABSORBER

Nitro Gas

12775GR

2

COIL SPRINGS

Est. Lift Additional Load

Performance

40mm

0 - 200kg

JEEP013B

1

SUSPENSION KIT

Performance w/ Gas Shocks

JEEP012BKG

• Vehicles with monocoque body construction can be subject to increased NVH (Noise) with upgraded suspension installed

SUSPENSION KIT CONTENTS

Shock Absorbers

Coil Springs



Product

Part No.

Qty Req

FRONT SUSPENSION

SHOCK ABSORBER

Nitro Gas	2011-2016 (Without Sway Bar Bracket)	12735GR	2
Nitro Gas	2016 + (With Sway Bar Bracket)	12738GR LH/RH	2

• 2016+ vehicles have sway bar bracket attached to lower clevis.

STRUT MOUNTS

Steel Strut Top		ISST052	2
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COIL SPRINGS

	Est. Lift	Additional Load		
Performance	40mm	0 - 50kg	JEEP025B	1
Constant Load or Diesel	40mm	50 - 100kg	JEEP025C	1

REAR SUSPENSION

SPACER KIT

Shock Absorber Spacer		1202K	1
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COIL SPRINGS

	Est. Lift	Additional Load		
Performance	40mm	0 - 300kg	JEEP026B	1
Constant Load	40mm	300 - 600kg	JEEP026C	1

• Nivomat rear shock absorber equipped models only

SUSPENSION KIT

Performance w/ Gas Shocks	JEEP025BKG
Constant Load w/ Gas Shocks	JEEP025CKG

• Vehicles with monocoque body construction can be subject to increased NVH (Noise) with upgraded suspension installed

SUSPENSION KIT CONTENTS

Strut Shock Absorbers	Coil Springs
Shock Absorber Spacers	



JMC

Product

Part No.

Qty Req

FRONT SUSPENSION

SHOCK ABSORBER

Nitro Gas Strut			12710GR	2
Foam Cell Strut			24710FE	2
Foam Cell Pro Strut			45710FE	2

• Height adjustable with Ironman 4x4 Strut Trim Packers

COIL SPRINGS

	Est. Lift	Additional Load		
Performance	45mm	0 - 50kg	TOY038C	1
Constant Load	45mm	50 - 110kg	TOY055A	1

STRUT MOUNTS

Steel Strut Top			ISST001	2
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TRIM PACKERS

5mm Strut Trim Packer	(Nitro Gas / Foam Cell)		HILFR05 / HILFR05F	2
10mm Strut Trim Packer	(Nitro Gas / Foam Cell)		HILFR10 / HILFR10F	2
15mm Strut Trim Packer	(Nitro Gas / Foam Cell)		HILFR15 / HILFR15F	2

• ONLY Compatible with Ironman 4x4 Struts (except Pro), lift height subject to 1:2 motion ratio. Unnecessary fitment may lift vehicle too high

REAR SUSPENSION

SHOCK ABSORBER

Nitro Gas Comfort			12650GRC	2
Nitro Gas			12650GR	2
Foam Cell Comfort			24650FEC	2
Foam Cell			24650FE	2
Foam Cell Pro Comfort			45650FEC	2
Foam Cell Pro			45650FE	2
Nitro Gas Extra Long Comfort			12081GRC	2
Nitro Gas Extra Long			12081GR	2
Foam Cell Extra Long Comfort			24081FEC	2
Foam Cell Extra Long			24081FE	2
Foam Cell Pro Extra Long Comfort			45081FEC	2
Foam Cell Pro Extra Long			45081FE	2

LEAF SPRINGS

	Est. Lift	Additional Load		
Performance	40mm	0 - 200kg	JMC002B	2
Constant Load	40mm	200 - 400kg	JMC002C	2

U-BOLTS

U-Bolt Kit			437UBKL	2
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POLYURETHANE SPRING BUSHES

Bush Kit			767UK	1
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GREASABLE SHACKLES AND PINS

Greasable Shackle			386-3	2
Non-Greasable Pin			387-1	2

HELPER SPRINGS

Load Plus Helper Springs			LP2	1
Add-A-Leaf			ISL6010	1

SUSPENSION KIT

Performance w/ Gas Shocks	JMC002BKG
Performance w/ Foam Cell	JMC002BKF
Performance w/ Foam Cell Pro	JMC002BKP
Constant Load w/ Gas Shocks	JMC002CKG
Constant Load w/ Foam Cell	JMC002CKF
Constant Load w/ Foam Cell Pro	JMC002CKP

• Specify Front Coil Springs when ordering

SUSPENSION KIT CONTENTS

Shock Absorbers	Coil Springs	U-Bolts
Strut Shock Absorbers	Leaf Springs	Polyurethane Spring Bushes



SORENTO

BL
2003-2008

Product

Part No.

Qty Req

FRONT SUSPENSION

COIL SPRINGS

Performance

Est. Lift Additional Load
35mm 0 - 50kg

KIA006B

1

REAR SUSPENSION

COIL SPRINGS

Performance

Est. Lift Additional Load
35mm 0 - 200kg

KIA007B

1

KIA



NIVA

1978+

Product

Part No.

Qty Req

FRONT SUSPENSION

COIL SPRINGS

Performance

Est. Lift Additional Load
35mm 0 - 50kg

LADA001B

1

REAR SUSPENSION

COIL SPRINGS

Performance

Est. Lift Additional Load
35mm 0 - 200kg

LADA002B

1

LADA



LAND ROVER

Product

Part No.

Qty Req

FRONT SUSPENSION

SHOCK ABSORBER

Nitro Gas			12080GR	2
Foam Cell			24080FE	2
Foam Cell Pro			45080FE	2

COIL SPRINGS

	Est. Lift	Additional Load		
Performance	45mm	0 - 80kg	LAND009B	1

STEERING DAMPER

Foam Cell			3532	1
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OFFSET CASTER BUSH KIT

Offset Bush Kit	Suits 1987+		1145SK	1
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• May cause driveline vibration on 1998+ models

REAR SUSPENSION

SHOCK ABSORBER

Nitro Gas			12640GR	2
Foam Cell			24640FE	2
Foam Cell Pro			45640FE	2

COIL SPRINGS

	Est. Lift	Additional Load		
Performance	45mm	0 - 300kg	LAND011B	1
Constant Load	45mm	300kg - GVM	LAND011C	1

BUSH KIT

Suspension Arm Bush Kit	KA Chassis		821K	1
Suspension Arm Bush Kit	LA/YA Chassis		811K	1

SUSPENSION KIT

Performance w/ Gas Shocks	LAND009BKG
Performance w/ Foam Cell Shocks	LAND009BKF
Performance w/ Foam Cell Pro Shocks	LAND009BKP
Constant Load w/ Gas Shocks	LAND009CKG
Constant Load w/ Foam Cell Shocks	LAND009CKF
Constant Load w/ Foam Cell Pro Shocks	LAND009CKP

SUSPENSION KIT CONTENTS

Shock Absorbers
Coil Springs



Product

Part No.

**Qty
Req**

FRONT SUSPENSION

SHOCK ABSORBER

Nitro Gas			12080GR	2
Foam Cell			24080FE	2
Foam Cell Pro			45080FE	2

COIL SPRINGS

	Est. Lift	Additional Load		
V8 Petrol Engine	45mm	0 - 80kg	LAND007B	1
2.5 Puma Engine	45mm	0 - 80kg	LAND009B	1
2.2 Puma Engine	45mm	0 - 80kg	LAND014B	1

STEERING DAMPER

Foam Cell			3532	1
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OFFSET CASTER BUSH KIT

Offset Bush Kit	Suits 1987+		1145SK	1
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• May cause driveline vibration on 1998+ models

REAR SUSPENSION

SHOCK ABSORBER

Nitro Gas			12640GR	2
Foam Cell			24640FE	2
Foam Cell Pro			45640FE	2

COIL SPRINGS

	Est. Lift	Additional Load		
Performance	45mm	0 - 300kg	LAND006B	1
Constant Load	45mm	300kg - GVM	LAND006C	1

BUSH KIT

Suspension Arm Bush Kit	KA Chassis		821K	1
Suspension Arm Bush Kit	LA/YA Chassis		811K	1

SUSPENSION KIT

Performance w/ Gas Shocks	LAND007BKG
Performance w/ Foam Cell Shocks	LAND007BKF
Performance w/ Foam Cell Pro Shocks	LAND007BKP
Constant Load w/ Gas Shocks	LAND007CKG
Constant Load w/ Foam Cell Shocks	LAND007CKF
Constant Load w/ Foam Cell Pro Shocks	LAND007CKP

SUSPENSION KIT CONTENTS

- Shock Absorbers
- Coil Springs

DEFENDER

110, 130 Series County / Dual Cab



LAND ROVER

Product

Part No.

Qty Req

FRONT SUSPENSION

SHOCK ABSORBER

Nitro Gas			12080GR	2
Foam Cell			24080FE	2
Foam Cell Pro			45080FE	2

COIL SPRINGS

	Est. Lift	Additional Load		
V8 Petrol Engine	45mm	0 - 80kg	LAND007B	1
2.5 Puma Engine	45mm	0 - 80kg	LAND009B	1
2.2 Puma Engine	45mm	0 - 80kg	LAND014B	1

STEERING DAMPER

Foam Cell			3532	1
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OFFSET CASTER BUSH KIT

Offset Bush Kit	Suits 1987+		1145SK	1
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• May cause driveline vibration on 1998+ models

REAR SUSPENSION

SHOCK ABSORBER

Nitro Gas			12640GR	2
Foam Cell			24640FE	2
Foam Cell Pro			45640FE	2

COIL SPRINGS

	Est. Lift	Additional Load		
Performance (Self Leveling)	45mm	0 - 300kg	LAND008B	1
Performance	45mm	0 - 300kg	LAND006B	1
Constant Load	45mm	300kg - GVM	LAND006C	1

• Re-Fit inner spring if equipped

BUSH KIT

Suspension Arm Bush Kit	KA Chassis		821K	1
Suspension Arm Bush Kit	LAYA Chassis		811K	1

SUSPENSION KIT

Performance w/ Gas Shocks w/ Self Leveling	LAND005BKG
Performance w/ Foam Cell Shocks w/ Self Leveling	LAND005BKF
Performance w/ Foam Cell Pro Shocks w/ Self Leveling	LAND005BKP
Performance w/ Gas Shocks	LAND006BKG
Performance w/ Foam Cell Shocks	LAND006BKF
Performance w/ Foam Cell Pro Shocks	LAND006BKP
Constant Load w/ Gas Shocks	LAND006CKG
Constant Load w/ Foam Cell Shocks	LAND006CKF
Constant Load w/ Foam Cell Pro Shocks	LAND006CKP

SUSPENSION KIT CONTENTS

Shock Absorbers
Coil Springs



RANGE ROVER

(Coil Springs)
1971-1995

LAND ROVER

Product	Part No.	Qty Req
FRONT SUSPENSION		
SHOCK ABSORBER		
Nitro Gas	12080GR	2
Foam Cell	24080FE	2
Foam Cell Pro	45080FE	2
COIL SPRINGS		
	Est. Lift	Additional Load
Performance	40mm	0 - 50kg
Constant Load	40mm	50 - 110kg
STEERING DAMPER		
Foam Cell	3511	1
OFFSET CASTER BUSH KIT		
Offset Bush Kit	Suits 1986+	1145SK
• May cause driveline vibration in automatic transmission models		
REAR SUSPENSION		
SHOCK ABSORBER		
Nitro Gas	12640GR	2
Foam Cell	24640FE	2
Foam Cell Pro	45640FE	2
COIL SPRINGS		
	Est. Lift	Additional Load
Performance	40mm	0 - 300kg
Constant Load	40mm	300kg - GVM
BUSH KIT		
Suspension Arm Bush Kit	Suits pre 1986	801K
Suspension Arm Bush Kit	Suits 1986+	811K
SUSPENSION KIT		
Performance w/ Gas Shocks	LAND009BKG	
Performance w/ Foam Cell Shocks	LAND009BKF	
Performance w/ Foam Cell Pro Shocks	LAND009BKP	
Constant Load w/ Gas Shocks	LAND009CKG	
Constant Load w/ Foam Cell Shocks	LAND009CKF	
Constant Load w/ Foam Cell Pro Shocks	LAND009CKP	

SUSPENSION KIT CONTENTS

Shock Absorbers
Coil Springs



LAND ROVER

Product	Part No.	Qty Req
FRONT SUSPENSION		
SHOCK ABSORBER		
Nitro Gas	12080GR	2
Foam Cell	24080FE	2
Foam Cell Pro	45080FE	2
COIL SPRINGS		
	Est. Lift	Additional Load
Performance	40mm	0 - 50kg
Constant Load	40mm	50 - 110kg
	LAND009B	1
	LAND007B	1
STEERING DAMPER		
Foam Cell	3511	1
OFFSET CASTER BUSH KIT		
Offset Bush Kit	1145SK	1
<i>• May cause driveline vibration in automatic transmission models</i>		
REAR SUSPENSION		
SHOCK ABSORBER		
Nitro Gas	12640GR	2
Foam Cell	24640FE	2
Foam Cell Pro	45640FE	2
COIL SPRINGS		
	Est. Lift	Additional Load
Performance	40mm	0 - 300kg
Constant Load	40mm	300kg - GVM
	LAND011B	1
	LAND011C	1
BUSH KIT		
Suspension Arm Bush Kit	811K	1
SUSPENSION KIT		
Performance w/ Gas Shocks	LAND009BKG	
Performance w/ Foam Cell Shocks	LAND009BKF	
Performance w/ Foam Cell Pro Shocks	LAND009BKP	
Constant Load w/ Gas Shocks	LAND009CKG	
Constant Load w/ Foam Cell Shocks	LAND009CKF	
Constant Load w/ Foam Cell Pro Shocks	LAND009CKP	

SUSPENSION KIT CONTENTS

- Shock Absorbers
- Coil Springs



Product			Part No.	Qty Req
FRONT SUSPENSION				
SHOCK ABSORBER				
Nitro Gas			12776GR	2
Foam Cell			24776FE	2
COIL SPRINGS				
	Est. Lift	Additional Load		
Performance	40mm	0 - 50kg	LAND014B	1
Constant Load	40mm	50 - 110kg	LAND009B	1
STEERING DAMPER				
Foam Cell			3502	1
REAR SUSPENSION				
SHOCK ABSORBER				
Nitro Gas			12777GR	2
Foam Cell			24777FE	2
COIL SPRINGS				
	Est. Lift	Additional Load		
Performance	40mm	0 - 300kg	LAND011B	1
Constant Load	40mm	300kg - GVM	LAND011C	1
SUSPENSION KIT				
Performance w/ Gas Shocks			LAND014BKG	
Performance w/ Foam Cell Shocks			LAND014BKF	
Constant Load w/ Gas Shocks			LAND014CKG	
Constant Load w/ Foam Cell Shocks			LAND014CKF	

SUSPENSION KIT CONTENTS

- Shock Absorbers
- Coil Springs



Product

Part No.

Qty Req

FRONT SUSPENSION

COIL SPRINGS

	Est. Lift	Additional Load		
Performance	45mm	0 - 50kg	LAND019B	1
Constant Load	45mm	50 - 100kg	LAND019C	1

REAR SUSPENSION

COIL SPRINGS

	Est. Lift	Additional Load		
Performance	45mm	0 - 200kg	LAND020B	1
Constant Load	45mm	200kg - GVM	LAND020C	1

LAND ROVER



Product	Part No.	Qty Req		
FRONT SUSPENSION				
SHOCK ABSORBER				
Nitro Gas	12087GR	2		
TORSION BAR				
Up-rated Torsion Bars	MAH001	1		
• Minimum 60mm downward suspension travel required after adjustment				
REAR SUSPENSION				
SHOCK ABSORBER				
Nitro Gas	2002 - 2012	12749GR	2	
Nitro Gas	2012+	12731GR	2	
• Check shock absorber specifications, some models can vary				
LEAF SPRINGS				
	Est. Lift	Additional Load		
Performance	40mm	0 - 200kg	MAH002B	2
U-BOLTS				
U-Bolt Kit			1103UBK	2
POLYURETHANE SPRING BUSHES				
Bush Kit			719UK	1
GREASABLE SHACKLES AND PINS				
Greasable Shackle	Left side		353LH	1
Greasable Shackle	Right side		353RH	1
Greasable Pin			1149	2
HELPER SPRINGS				
Load Plus Helper Springs			LP4	1
SUSPENSION KIT				
Performance w/ Gas Shocks			MAH002BKG	
• Check rear shock absorber part number				

SUSPENSION KIT CONTENTS

Shock Absorbers	Torsion Bars	Polyurethane Spring Bushes
Leaf Springs	U-Bolts	

SCORPIO WAGON

2002 - 2014



Product

Part No.

Qty Req

FRONT SUSPENSION

SHOCK ABSORBER

Nitro Gas

12087GR

2

TORSION BAR

Upgraded Torsion Bars

MAH001

1

• Minimum 60mm downward suspension travel required after adjustment

REAR SUSPENSION

SHOCK ABSORBER

Nitro Gas

12749GR

2

• Check shock absorber specifications, some models can vary

COIL SPRINGS

Est. Lift

Additional Load

Performance

40mm

0 - 200kg

MAH003B

1

SUSPENSION KIT

Performance w/ Gas Shocks

MAH003BKG

SUSPENSION KIT CONTENTS

Shock Absorbers

Coil Springs

MAHINDRA



B SERIES

Bravo
1987 - 2006

MAZDA

Product

Part No.

Qty Req

FRONT SUSPENSION

SHOCK ABSORBER

Nitro Gas			12667GR	2
Foam Cell			24667FE	2
Foam Cell Pro			45667FE	2

TORSION BAR

Up-rated Torsion Bars			MAZDA005	1
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• Minimum 60mm downward suspension travel required after adjustment

REAR SUSPENSION

SHOCK ABSORBER

Nitro Gas Comfort			12095GRC	2
Nitro Gas			12095GR	2
Foam Cell Comfort			24095FEC	2
Foam Cell			24095FE	2
Foam Cell Pro Comfort			45095FEC	2
Foam Cell Pro			45095FE	2

LEAF SPRINGS

	Est. Lift	Additional Load		
Comfort	40mm	0 - 100kg	MAZDA006A	2
Performance	40mm	0 - 200kg	MAZDA006B	2
Constant Load	40mm	200 - 400kg	MAZDA006C	2
Extra Constant Load	40mm	400kg - GVM	MAZDA006D	2

U-BOLTS

U-Bolt Kit			415UBK	2
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POLYURETHANE SPRING BUSHES

Bush Kit			756UK	1
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GREASABLE SHACKLES AND PINS

Greasable Shackle			386-1	2
Greasable Pin			794	2

HELPER SPRINGS

Load Plus Helper Springs			LP3	1
Add-A-Leaf			ISL6010	1

SUSPENSION KIT

Comfort w/ Gas Shocks	MAZDA006AKG
Comfort w/ Foam Cell Shocks	MAZDA006AKF
Comfort w/ Foam Cell Pro Shocks	MAZDA006AKP
Performance w/ Gas Shocks	MAZDA006BKG
Performance w/ Foam Cell Shocks	MAZDA006BKF
Performance w/ Foam Cell Pro Shocks	MAZDA006BKP
Constant Load w/ Gas Shocks	MAZDA006CKG
Constant Load w/ Foam Cell Shocks	MAZDA006CKF
Constant Load w/ Foam Cell Pro Shocks	MAZDA006CKP
Extra Constant Load w/ Gas Shocks	MAZDA006DKG
Extra Constant Load w/ Foam Cell Shocks	MAZDA006DKF
Extra Constant Load w/ Foam Cell Pro Shocks	MAZDA006DKP

SUSPENSION KIT CONTENTS

Shock Absorbers	Torsion Bars	Polyurethane Spring Bushes
Leaf Springs	U-Bolts	



MAZDA

Product

Part No.

Qty Req

FRONT SUSPENSION

SHOCK ABSORBER

Nitro Gas		12667GR	2
Foam Cell		24667FE	2
Foam Cell Pro		45667FE	2

TORSION BAR

Up-rated Torsion Bars	Duratorq Engine	MAZDA014	1
Up-rated Torsion Bars	2.5L WLT Engine	MAZDA005	1

- MAZDA014 is 1024mm in length, used on most vehicles. Vehicles with 2.5L WLT Engine use MAZDA005 (924mm) Torsion Bar
- Minimum 60mm downward suspension travel required after adjustment

REAR SUSPENSION

SHOCK ABSORBER

Nitro Gas Comfort		12095GRC	2
Nitro Gas		12095GR	2
Foam Cell Comfort		24095FEC	2
Foam Cell		24095FE	2
Foam Cell Pro Comfort		45095FEC	2
Foam Cell Pro		45095FE	2

LEAF SPRINGS

	Est. Lift	Additional Load		
Comfort	40mm	0 - 100kg	MAZDA041A	2
Performance	40mm	0 - 200kg	MAZDA041B	2
Constant Load	40mm	200 - 400kg	MAZDA041C	2
Extra Constant Load	40mm	400kg - GVM	MAZDA041D	2

U-BOLTS

U-Bolt Kit		417UBK	2
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POLYURETHANE SPRING BUSHES

Bush Kit		759UK	1
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GREASABLE SHACKLES AND PINS

Greasable Shackle		386-1	2
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HELPER SPRINGS

Load Plus Helper Springs		LP3	1
Add-A-Leaf		ISL6010	1

SUSPENSION KIT

Comfort w/ Gas Shocks	MAZDA041AKG
Comfort w/ Foam Cell Shocks	MAZDA041AKF
Comfort w/ Foam Cell Pro Shocks	MAZDA041AKP
Performance w/ Gas Shocks	MAZDA041BKG
Performance w/ Foam Cell Shocks	MAZDA041BKF
Performance w/ Foam Cell Pro Shocks	MAZDA041BKP
Constant Load w/ Gas Shocks	MAZDA041CKG
Constant Load w/ Foam Cell Shocks	MAZDA041CKF
Constant Load w/ Foam Cell Pro Shocks	MAZDA041CKP
Extra Constant Load w/ Gas Shocks	MAZDA041DKG
Extra Constant Load w/ Foam Cell Shocks	MAZDA041DKF
Extra Constant Load w/ Foam Cell Pro Shocks	MAZDA041DKP

- Check Torsion Bar length before ordering

SUSPENSION KIT CONTENTS

Shock Absorbers	Torsion Bars	Polyurethane Spring Bushes
Leaf Springs	U-Bolts	



Product

Part No.

**Qty
Req**

FRONT SUSPENSION

SHOCK ABSORBER

Nitro Gas Strut			12727GR	2
Foam Cell Strut			24727FE	2
Foam Cell Pro Strut			45727FE	2

• Height adjustable with Ironman 4x4 Strut Trim Packers

COIL SPRINGS

	Est. Lift	Additional Load		
Standard	0mm	0 - 50kg	FOR001S	1
Comfort	35mm	0 - 50kg	FOR001A	1
Performance	40mm	0 - 50kg	FOR001B	1
Constant Load	45mm	50 - 110kg	FOR001C	1

STRUT MOUNTS

Steel Strut Top			ISST014	2
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TRIM PACKERS

5mm Strut Trim Packer	(Nitro Gas / Foam Cell)	HILFR05 / HILFR05F	2
10mm Strut Trim Packer	(Nitro Gas / Foam Cell)	HILFR10 / HILFR10F	2
15mm Strut Trim Packer	(Nitro Gas / Foam Cell)	HILFR15 / HILFR15F	2

• ONLY Compatible with Ironman 4x4 Struts (except Pro), lift height subject to 1:2 motion ratio. Unnecessary fitment may lift vehicle too high

SPACER KIT

Sway Bar Relocation Kit			1203K	1
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REAR SUSPENSION

SHOCK ABSORBER

Nitro Gas Comfort			12095GRC	2
Nitro Gas			12095GR	2
Foam Cell Comfort			24095FEC	2
Foam Cell			24095FE	2
Foam Cell Pro Comfort			45095FEC	2
Foam Cell Pro			45095FE	2

LEAF SPRINGS

	Est. Lift	Additional Load		
Comfort	40mm	0 - 200kg	FOR002A	2
Performance	45mm	0 - 300kg	FOR002B	2
Constant Load	45mm	300kg - GVM	FOR002C	2

• Possible driveline vibration may occur due to increased ride height, use 1194K to reduce vibration to satisfactory level

U-BOLTS

U-Bolt Kit			417UBK	2
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POLYURETHANE SPRING BUSHES

Bush Kit			1193UK	1
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DRIVELINE SPACERS

Centre Bearing Spacer Kit			1194K	1
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GREASABLE SHACKLES AND PINS

Greasable Shackle			1147	2
Non-Greasable Pin			387-1	2

HELPER SPRINGS

Load Plus Helper Springs			LP3	1
Add-A-Leaf			ISL6010	1

SUSPENSION KIT

Comfort w/ Gas Shocks	FOR001AKG
Comfort w/ Foam Cell Shocks	FOR001AKF
Comfort w/ Foam Cell Pro Shocks	FOR001AKP
Performance w/ Gas Shocks	FOR001BKG
Performance w/ Foam Cell Shocks	FOR001BKF
Performance w/ Foam Cell Pro Shocks	FOR001BKP
Constant Load w/ Gas Shocks	FOR001CKG
Constant Load w/ Foam Cell Shocks	FOR001CKF
Constant Load w/ Foam Cell Pro Shocks	FOR001CKP

• Specify front Coil Springs when ordering

• Possible driveline vibration may occur due to increased ride height, use 1194K to reduce vibration to satisfactory level.

SUSPENSION KIT CONTENTS

Shock Absorbers	Leaf Springs	Polyurethane Spring Bushes	Strut Shock Absorbers
Coil Springs	U-Bolts	Centre Bearing Spacer Kit	



Product			Part No.	Qty Req
FRONT SUSPENSION				
SHOCK ABSORBER				
Foam Cell			24788FE	2
COIL SPRINGS				
Performance	Est. Lift 45mm	Additional Load 0 - 50kg	MERC015B	1
REAR SUSPENSION				
SHOCK ABSORBER				
Foam Cell			24789FE	2
COIL SPRINGS				
Performance	Est. Lift 45mm	Additional Load 0 - 300kg	MERC016B	1
SUSPENSION KIT				
Performance w/ Foam Cell Shocks			MERC015BKF	

SUSPENSION KIT CONTENTS

- Shock Absorbers
- Coil Springs



Product

Part No.

**Qty
Req**

FRONT SUSPENSION

SHOCK ABSORBER

Foam Cell Pro	10 Bolt Axle Models	45802FE	2
Foam Cell Pro	6 Bolt Axle Models	45803FE	2

REAR SUSPENSION

SHOCK ABSORBER

Foam Cell Pro	10 Bolt Axle Models	45802FE	2
Foam Cell Pro	6 Bolt Axle Models	45803FE	2

MERCEDES BENZ



MITSUBISHI

Product	Part No.	Qty Req
FRONT SUSPENSION		
SHOCK ABSORBER		
Nitro Gas	12082GR	2
Foam Cell	24082FE	2
TORSION BAR		
Up-rated Torsion Bars	MITS013	1
• Minimum 60mm downward suspension travel required after adjustment		
STEERING DAMPER		
Foam Cell	Suits vehicles w/o power steering 3517	1
REAR SUSPENSION		
SHOCK ABSORBER		
Nitro Gas Comfort	12636GRC	2
Nitro Gas	12636GR	2
Foam Cell Comfort	24636FEC	2
Foam Cell	24636FE	2
LEAF SPRINGS		
	Est. Lift	Additional Load
Performance	45mm	0 - 300kg
Constant Load	45mm	300kg - GVM
• Must use Ironman 4x4 bushes		
U-BOLTS		
U-Bolt Kit	451UBK	2
POLYURETHANE SPRING BUSHES		
Bush Kit	715UK	1
GREASABLE SHACKLES AND PINS		
Greasable Shackle	795	2
Greasable Pin	796	2
HELPER SPRINGS		
Load Plus Helper Springs	LP4	1
SUSPENSION KIT		
Performance w/ Gas Shocks	MITS018BKG1	
Performance w/ Foam Cell Shocks	MITS018BKF1	
Constant Load w/ Gas Shocks	MITS018CKG1	
Constant Load w/ Foam Cell Shocks	MITS018CKF1	

SUSPENSION KIT CONTENTS

Shock Absorbers	Torsion Bars	Polyurethane Spring Bushes
Leaf Springs	U-Bolts	



Product	Part No.	Qty Req
FRONT SUSPENSION		
SHOCK ABSORBER		
Nitro Gas	12082GR	2
Foam Cell	24082FE	2
TORSION BAR		
Up-rated Torsion Bars	MITS015C	1
• Minimum 60mm downward suspension travel required after adjustment		
STEERING DAMPER		
Foam Cell	Suits vehicles w/o power steering 3517	1
REAR SUSPENSION		
SHOCK ABSORBER		
Nitro Gas Comfort	12636GRC	2
Nitro Gas	12636GR	2
Foam Cell Comfort	24636FEC	2
Foam Cell	24636FE	2
LEAF SPRINGS		
Performance	Est. Lift: 40mm Additional Load: 0 - 300kg MITS018B	2
Constant Load	40mm 300kg - GVM MITS018C	2
• Must use Ironman 4x4 bushes		
U-BOLTS		
U-Bolt Kit	451UBK	2
POLYURETHANE SPRING BUSHES		
Bush Kit	715TUK	1
• Not compatible with OEM springs		
GREASABLE SHACKLES AND PINS		
Greasable Shackle	795	2
Non-Greasable Pin	387-1	2
HELPER SPRINGS		
Load Plus Helper Springs	LP4	1
SUSPENSION KIT		
Performance w/ Gas Shocks	MITS015BKG	
Performance w/ Foam Cell Shocks	MITS015BKF	
Constant Load w/ Gas Shocks	MITS015CKG	
Constant Load w/ Foam Cell Shocks	MITS015CKF	

SUSPENSION KIT CONTENTS

Shock Absorbers	Torsion Bars	Polyurethane Spring Bushes
Leaf Springs	U-Bolts	



MITSUBISHI

Product	Part No.	Qty Req
FRONT SUSPENSION		
SHOCK ABSORBER		
Nitro Gas	12087GR	2
Foam Cell	24087FE	2
TORSION BAR		
Uprated Torsion Bars	MITS015C	1
• Minimum 60mm downward suspension travel required after adjustment		
STEERING DAMPER		
Foam Cell	Suits vehicles w/o power steering	3517
REAR SUSPENSION		
SHOCK ABSORBER		
Nitro Gas Comfort	12698GRC	2
Nitro Gas	12698GR	2
Foam Cell Comfort	24698FEC	2
Foam Cell	24698FE	2
LEAF SPRINGS		
	Est. Lift	Additional Load
Performance	40mm	0 - 300kg
Constant Load	40mm	300kg - GVM
• Must use Ironman 4x4 bushes		
U-BOLTS		
U-Bolt Kit	451UBK	2
POLYURETHANE SPRING BUSHES		
Bush Kit	715TUK	1
• Not compatible with OEM springs		
GREASABLE SHACKLES AND PINS		
Greasable Shackle	795	2
Non-Greasable Pin	387-1	2
HELPER SPRINGS		
Load Plus Helper Springs	LP4	1
SUSPENSION KIT		
Performance w/ Gas Shocks	MITS015BKG1	
Performance w/ Foam Cell Shocks	MITS015BKF1	
Constant Load w/ Gas Shocks	MITS015CKG1	
Constant Load w/ Foam Cell Shocks	MITS015CKF1	

SUSPENSION KIT CONTENTS

Shock Absorbers	Torsion Bars	Polyurethane Spring Bushes
Leaf Springs	U-Bolts	



Product

Part No.

**Qty
Req**

FRONT SUSPENSION

SHOCK ABSORBER

Nitro Gas Strut			12715GR	2
Foam Cell Strut			24715FE	2

• Height adjustable with Ironman 4x4 Strut Trim Packers

COIL SPRINGS

	Est. Lift	Additional Load		
Standard	0mm	0 - 50kg	MITSO40S	1
Comfort	35mm	0 - 50kg	MITSO40A	1
Performance	40mm	0 - 80kg	MITSO40B	1
Constant Load	40mm	80 - 110kg	MITSO40C	1

STRUT MOUNTS

Steel Strut Top			ISST010	2
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TRIM PACKERS

5mm Strut Trim Packer	(Nitro Gas / Foam Cell)		HILFR05 / HILFR05F	2
10mm Strut Trim Packer	(Nitro Gas / Foam Cell)		HILFR10 / HILFR10F	2
15mm Strut Trim Packer	(Nitro Gas / Foam Cell)		HILFR15 / HILFR15F	2

• ONLY Compatible with Ironman 4x4 Struts (except Pro), lift height subject to 1:2 motion ratio. Unnecessary fitment may lift vehicle too high

REAR SUSPENSION

SHOCK ABSORBER

Nitro Gas Comfort			12636GRC	2
Nitro Gas			12636GR	2
Foam Cell Comfort			24636FEC	2
Foam Cell			24636FE	2

LEAF SPRINGS

	Est. Lift	Additional Load		
Comfort	40mm	0 - 200kg	MITSO41A	2
Performance	40mm	0 - 300kg	MITSO41B	2
Constant Load	40mm	300kg - GVM	MITSO41C	2

• Must use Ironman 4x4 bushes. Unladen manual vehicles with 2 piece tail shaft may experience vibration in first gear

U-BOLTS

U-Bolt Kit			1102UBK	2
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POLYURETHANE SPRING BUSHES

Bush Kit			715TUK	1
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• Not compatible with OEM springs

GREASABLE SHACKLES AND PINS

Greasable Shackle			795	2
Non-Greasable Pin			387-1	2

HELPER SPRINGS

Load Plus Helper Springs			LP4	1
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SUSPENSION KIT

Comfort w/ Gas Shocks	MITSO41AKG
Comfort w/ Foam Cell Shocks	MITSO41AKF
Performance w/ Gas Shocks	MITSO41BKG
Performance w/ Foam Cell Shocks	MITSO41BKF
Constant Load w/ Gas Shocks	MITSO41CKG
Constant Load w/ Foam Cell Shocks	MITSO41CKF

• Specify Front Coil Springs when ordering

• Unladen manual vehicles with 2 piece tail shaft may experience vibration in first gear

SUSPENSION KIT CONTENTS

Shock Absorbers	Leaf Springs	Strut Shock Absorbers
Coil Springs	Polyurethane Spring Bushes	U-Bolts



MITSUBISHI

Product

Part No.

Qty Req

FRONT SUSPENSION

SHOCK ABSORBER

Nitro Gas Strut			12715GR	2
Foam Cell Strut			24715FE	2

• Height adjustable with Ironman 4x4 Strut Trim Packers

COIL SPRINGS

	Est. Lift	Additional Load		
Standard	0mm	0 - 50kg	MITS040S	1
Comfort	25mm	0 - 50kg	MITS040A	1
Performance	30mm	0 - 80kg	MITS040B	1
Constant Load	30mm	80 - 110kg	MITS040C	1

STRUT MOUNTS

Steel Strut Top			ISST010	2
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TRIM PACKERS

5mm Strut Trim Packer	(Nitro Gas / Foam Cell)		HILFR05 / HILFR05F	2
10mm Strut Trim Packer	(Nitro Gas / Foam Cell)		HILFR10 / HILFR10F	2
15mm Strut Trim Packer	(Nitro Gas / Foam Cell)		HILFR15 / HILFR15F	2

• ONLY Compatible with Ironman 4x4 Struts, lift height subject to 1:2 motion ratio. Unnecessary fitment may lift vehicle too high

REAR SUSPENSION

SHOCK ABSORBER

Nitro Gas Comfort			12729GRC	2
Nitro Gas			12729GR	2
Foam Cell Comfort			24729FEC	2
Foam Cell			24729FE	2

LEAF SPRINGS

	Est. Lift	Additional Load		
Comfort	30mm	0 - 200kg	MITS047A	2
Performance	30mm	0 - 300kg	MITS047B	2
Constant Load	30mm	300kg - GVM	MITS047C	2

• Two piece tailshaft models may experience driveline vibration, use 1201K to reduce vibration.

U-BOLTS

U-Bolt Kit			437UBK	2
U-Bolt Kit		Suits MITS047C	437UBKL	2

POLYURETHANE SPRING BUSHES

Bush Kit			1200UK	1
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DRIVELINE SPACERS

Centre Bearing Spacer Kit			1201K	1
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SPACER KIT

Brake Hose Relocation Kit			1205K	1
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GREASABLE SHACKLES AND PINS

Greasable Shackle			1199	2
Non-Greasable Pin			387-1	2

HELPER SPRINGS

Load Plus Helper Springs			LP3	1
Add-A-Leaf			ISL6010	1

SUSPENSION KIT

Comfort w/ Gas Shocks	MITS047AKG
Comfort w/ Foam Cell Shocks	MITS047AKF
Performance w/ Gas Shocks	MITS047BKG
Performance w/ Foam Cell Shocks	MITS047BKF
Constant Load w/ Gas Shocks	MITS047CKG
Constant Load w/ Foam Cell Shocks	MITS047CKF

• Specify Front Coil Springs when ordering

• Two piece tailshaft models may experience driveline vibration, use 1201K to reduce vibration

SUSPENSION KIT CONTENTS

Shock Absorbers	Leaf Springs	Strut Shock Absorbers	Brake Hose Relocation Kit
Coil Springs	Polyurethane Spring Bushes	U-Bolts	Centre Bearing Spacer Kit



PAJERO

Montero NA-NG (Leaf)

Pre 1991

MITSUBISHI

Product	Part No.	Qty Req	
FRONT SUSPENSION			
SHOCK ABSORBER			
Nitro Gas	12082GR	2	
Foam Cell	24082FE	2	
TORSION BAR			
Uprated Torsion Bars	1278mm Length	MITS013	1
Uprated Torsion Bars	1308mm Length	MITS019	1
<ul style="list-style-type: none"> • Check Torsion Bar length before ordering • Minimum 60mm downward suspension travel required after adjustment 			
STEERING DAMPER			
Foam Cell	Suits vehicles w/o power steering	3517	1
REAR SUSPENSION			
SHOCK ABSORBER			
Nitro Gas Comfort		12636GRC	2
Nitro Gas		12636GR	2
Foam Cell Comfort		24636FEC	2
Foam Cell		24636FE	2
LEAF SPRINGS			
Performance	Est. Lift: 45mm, Additional Load: 0 - 300kg	MITS018B	2
Constant Load	Est. Lift: 45mm, Additional Load: 300kg - GVM	MITS018C	2
<ul style="list-style-type: none"> • Must use Ironman 4x4 bushes 			
U-BOLTS			
U-Bolt Kit		451UBK	2
POLYURETHANE SPRING BUSHES			
Bush Kit		715UK	1
GREASABLE SHACKLES AND PINS			
Greasable Shackle		795	2
Greasable Pin		796	2
HELPER SPRINGS			
Load Plus Helper Springs		LP4	1
SUSPENSION KIT			
Performance w/ Gas Shocks		MITS018BK1	
Performance w/ Foam Cell Shocks		MITS018BK1	
Constant Load w/ Gas Shocks		MITS018CK1	
Constant Load w/ Foam Cell Shocks		MITS018CK1	
<ul style="list-style-type: none"> • Check Torsion Bar length before ordering 			

SUSPENSION KIT CONTENTS

Shock Absorbers	Torsion Bars	Polyurethane Spring Bushes
Leaf Springs	U-Bolts	

PAJERO

Montero NH-NL (Leaf)
1991-1999



MITSUBISHI

Product	Part No.	Qty Req		
FRONT SUSPENSION				
SHOCK ABSORBER				
Nitro Gas	12087GR	2		
Foam Cell	24087FE	2		
TORSION BAR				
Uprated Torsion Bars	1278mm Length	MITS013	1	
Uprated Torsion Bars	1308mm Length	MITS019	1	
<ul style="list-style-type: none"> • Check Torsion Bar length before ordering • Minimum 60mm downward suspension travel required after adjustment 				
STEERING DAMPER				
Foam Cell	Suits vehicles w/o power steering	3517	1	
REAR SUSPENSION				
SHOCK ABSORBER				
Nitro Gas Comfort	12636GRC	2		
Nitro Gas	12636GR	2		
Foam Cell Comfort	24636FEC	2		
Foam Cell	24636FE	2		
LEAF SPRINGS				
Performance	40mm Est. Lift	0 - 300kg Additional Load	MITS018B	2
Constant Load	40mm	300kg - GVM	MITS018C	2
<ul style="list-style-type: none"> • Must use Ironman 4x4 bushes 				
U-BOLTS				
U-Bolt Kit	451UBK	2		
POLYURETHANE SPRING BUSHES				
Bush Kit	715TUK	1		
GREASABLE SHACKLES AND PINS				
Greasable Shackle	795	2		
Greasable Pin	796	2		
HELPER SPRINGS				
Load Plus Helper Springs	LP4	1		
SUSPENSION KIT				
Performance w/ Gas Shocks	MITS018BKG2			
Performance w/ Foam Cell Shocks	MITS018BKF2			
Constant Load w/ Gas Shocks	MITS018CKG2			
Constant Load w/ Foam Cell Shocks	MITS018CKF2			
<ul style="list-style-type: none"> • Check Torsion Bar length before ordering 				

SUSPENSION KIT CONTENTS

Shock Absorbers	Torsion Bars	Polyurethane Spring Bushes
Leaf Springs	U-Bolts	



PAJERO

Montero NA-NG (Coil)
1988-1991

MITSUBISHI

Product

Part No.

Qty Req

FRONT SUSPENSION

SHOCK ABSORBER

Nitro Gas			12082GR	2
Foam Cell			24082FE	2

TORSION BAR

Uprated Torsion Bars	1278mm Length		MITS013	1
Uprated Torsion Bars	1308mm Length		MITS019	1

• Check Torsion Bar length before ordering

• Minimum 60mm downward suspension travel required after adjustment

STEERING DAMPER

Foam Cell	Suits vehicles w/o power steering		3517	1
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REAR SUSPENSION

SHOCK ABSORBER

Nitro Gas Comfort			12645GRC	2
Nitro Gas			12645GR	2
Foam Cell Comfort			24645FEC	2
Foam Cell			24645FE	2

COIL SPRINGS

	Est. Lift	Additional Load		
Performance SWB	40mm	0 - 200kg	MITS022B	1
Performance LWB	40mm	0 - 200kg	MITS020B	1
Constant Load	40mm	200kg - GVM	MITS020C	1

SUSPENSION KIT

Performance SWB w/ Gas Shocks	MITS022BKG1
Performance SWB w/ Foam Cell Shocks	MITS022BKF1
Performance LWB w/ Gas Shocks	MITS020BKG1
Performance LWBw/ Foam Cell Shocks	MITS020BKF1
Constant Load w/ Gas Shocks	MITS020CKG1
Constant Load w/ Foam Cell Shocks	MITS020CKF1

• Check Torsion Bar length before ordering

SUSPENSION KIT CONTENTS

Shock Absorbers
Coil Springs

PAJERO

Montero NH-NL (Coil)
6/1991-2000



Product

Part No.

Qty Req

mitsubishi

FRONT SUSPENSION

SHOCK ABSORBER

Nitro Gas		12087GR	2
Foam Cell		24087FE	2

TORSION BAR

Uprated Torsion Bars	1278mm Length	MITSO13	1
Uprated Torsion Bars	1308mm Length	MITSO19	1

• Check Torsion Bar length before ordering

• Minimum 60mm downward suspension travel required after adjustment

STEERING DAMPER

Foam Cell	Suits vehicles w/o power steering	3517	1
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REAR SUSPENSION

SHOCK ABSORBER

Nitro Gas		12646GR	2
Foam Cell		24646FE	2

COIL SPRINGS

	Est. Lift	Additional Load		
Performance SWB	40mm	0 - 200kg	MITSO22B	1
Performance LWB	40mm	0 - 200kg	MITSO20B	1
Constant Load	40mm	200kg - GVM	MITSO20C	1

SUSPENSION KIT

Performance SWB w/ Gas Shocks	MITSO22BKG2
Performance SWB w/ Foam Cell Shocks	MITSO22BKF2
Performance LWB w/ Gas Shocks	MITSO20BKG2
Performance LWBw/ Foam Cell Shocks	MITSO20BKF2
Constant Load w/ Gas Shocks	MITSO20CKG2
Constant Load w/ Foam Cell Shocks	MITSO20CKF2

• Check Torsion Bar length before ordering

SUSPENSION KIT CONTENTS

Shock Absorbers	Torsion Bars
Coil Springs	



Product	Part No.	Qty Req
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FRONT SUSPENSION

SHOCK ABSORBER

Nitro Gas Strut	12713GR	2
Foam Cell Strut	24713FE	2

COIL SPRINGS

	Est. Lift	Additional Load		
Performance	40mm	0 - 50kg	MITS038B	1
Constant Load or Diesel	40mm	50 - 100kg	MITS038C	1

REAR SUSPENSION

SHOCK ABSORBER

Nitro Gas	12714GR	2
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COIL SPRINGS

	Est. Lift	Additional Load		
Performance SWB	40mm	0 - 200kg	MITS039A	1
Performance LWB	40mm	0 - 200kg	MITS039B	1
Constant Load	40mm	200kg - GVM	MITS039C	1

SUSPENSION KIT

Performance SWB w/ Gas Shocks	MITS038AKG
Performance LWB Petrol w/ Gas Shocks	MITS038BKG
Performance LWB Diesel w/ Gas Shocks	MITS038CKG
Constant Load LWB Petrol w/ Gas Shocks	MITS038CKG1
Constant Load LWB Diesel w/ Gas Shocks	MITS038CKG2

- Vehicles with monocoque body construction can be subject to increased NVH (Noise) with upgraded suspension installed
- Vehicles with independent suspension must maintain a minimum of 60mm downward suspension travel
- Mandatory 4 wheel alignment after installing new suspension

SUSPENSION KIT CONTENTS

Shock Absorbers	Coil Springs
Strut Shock Absorbers	

CHALLENGER

Montero Sport PA (Leaf)
1998-2006



Product

Part No.

Qty Req

MITSUBISHI

FRONT SUSPENSION

SHOCK ABSORBER

Nitro Gas			12087GR	2
Foam Cell			24087FE	2

TORSION BAR

Up-rated Torsion Bars			MITSO19	1
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• Minimum 60mm downward suspension travel required after adjustment

REAR SUSPENSION

SHOCK ABSORBER

Nitro Gas Comfort			12636GRC	2
Nitro Gas			12636GR	2
Foam Cell Comfort			24636FEC	2
Foam Cell			24636FE	2

LEAF SPRINGS

	Est. Lift	Additional Load		
Performance	40mm	0 - 300kg	MITSO18B	2
Constant Load	40mm	300kg - GVM	MITSO18C	2

• Must use Ironman 4x4 bushes

U-BOLTS

U-Bolt Kit			451UBK	2
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POLYURETHANE SPRING BUSHES

Bush Kit			715STUK	1
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• Not compatible with OEM springs

GREASABLE SHACKLES AND PINS

Greasable Shackle			795	2
Greasable Pin			796	2

HELPER SPRINGS

Load Plus Helper Springs			LP4	1
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SUSPENSION KIT

Performance w/ Gas Shocks	MITSO18BKG
Performance w/ Foam Cell Shocks	MITSO18BKF
Constant Load w/ Gas Shocks	MITSO18CKG
Constant Load w/ Foam Cell Shocks	MITSO18CKF

SUSPENSION KIT CONTENTS

Shock Absorbers	Torsion Bars	Polyurethane Spring Bushes
Leaf Springs	U-Bolts	



CHALLENGER

Montero Sport PA (Coil)

1998-2008

MITSUBISHI

Product

Part No.

Qty Req

FRONT SUSPENSION

SHOCK ABSORBER

Nitro Gas	12087GR	2
Foam Cell	24087FE	2

TORSION BAR

Up-rated Torsion Bars	MITS019	1
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• Minimum 60mm downward suspension travel required after adjustment

REAR SUSPENSION

SHOCK ABSORBER

Nitro Gas Comfort	12645GRC	2
Nitro Gas	12645GR	2
Foam Cell Comfort	24645FEC	2
Foam Cell	24645FE	2

COIL SPRINGS

	Est. Lift	Additional Load		
Performance	40mm	0 - 200kg	MITS022B	1
Constant Load	40mm	200-400kg	MITS020B	1
Extra Constant Load	40mm	400kg - GVM	MITS020C	1

SUSPENSION KIT

Performance w/ Gas Shocks	MITS022BKG
Performance w/ Foam Cell Shocks	MITS022BKF
Constant Load w/ Gas Shocks	MITS020BKG
Constant Load w/ Foam Cell Shocks	MITS020BKF
Extra Constant Load w/ Gas Shocks	MITS020CKG
Extra Constant Load w/ Foam Cell	MITS020CKF

SUSPENSION KIT CONTENTS

Shock Absorbers	Torsion Bars
Coil Springs	

CHALLENGER

Pajero Sport / Montero Sport / Dakar PB
2009 - 2015



Product

Part No.

Qty Req

MITSUBISHI

FRONT SUSPENSION

SHOCK ABSORBER

Nitro Gas Strut			12715GR	2
Foam Cell Strut			24715FE	2

• Height adjustable with Ironman 4x4 Strut Trim Packers

COIL SPRINGS

	Est. Lift	Additional Load		
Standard	0mm	0 - 50kg	MITSO40S	1
Comfort	35mm	0 - 50kg	MITSO40A	1
Performance	40mm	0 - 80kg	MITSO40B	1
Constant Load	40mm	80 - 110kg	MITSO40C	1

STRUT MOUNTS

Steel Strut Top			ISST010	2
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TRIM PACKERS

5mm Strut Trim Packer	(Nitro Gas / Foam Cell)		HILFR05 / HILFR05F	2
10mm Strut Trim Packer	(Nitro Gas / Foam Cell)		HILFR10 / HILFR10F	2
15mm Strut Trim Packer	(Nitro Gas / Foam Cell)		HILFR15 / HILFR15F	2

• ONLY Compatible with Ironman 4x4 Struts (except Pro), lift height subject to 1:2 motion ratio. Unnecessary fitment may lift vehicle too high

REAR SUSPENSION

SHOCK ABSORBER

Nitro Gas			12645GRS	2
Foam Cell			24645FES	2

COIL SPRINGS

	Est. Lift	Additional Load		
Standard	0mm	0 - 250kg	MITSO42S	1
Comfort	20mm	0 - 250kg	MITSO42A	1
Performance	40mm	0 - 250kg	MITSO42B	1
Constant Load	40mm	250kg - GVM	MITSO42C	1

SUSPENSION KIT

Standard w/ Gas Shocks	MITSO42SKG
Standard w/ Foam Cell Shocks	MITSO42SKF
Comfort w/ Gas Shocks	MITSO42AKG
Comfort w/ Foam Cell Shocks	MITSO42AKF
Performance w/ Gas Shocks	MITSO42BKG
Performance w/ Foam Cell Shocks	MITSO42BKF
Constant Load w/ Gas Shocks	MITSO42CKG
Constant Load w/ Foam Cell Shocks	MITSO42CKF

• Specify Front Coil Springs when ordering

SUSPENSION KIT CONTENTS

Shock Absorbers	Coil Springs
Strut Shock Absorbers	



Product

Part No.

Qty Req

FRONT SUSPENSION

SHOCK ABSORBER

Nitro Gas Strut			12715GR	2
Foam Cell Strut			24715FE	2

• Height adjustable with Ironman 4x4 Strut Trim Packers

COIL SPRINGS

	Est. Lift	Additional Load		
Performance	15mm	0 - 50kg	MITSO40B	1
Constant Load	30mm	50 - 110kg	MITSO40C	1

STRUT MOUNTS

Steel Strut Top			ISST010	2
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TRIM PACKERS

5mm Strut Trim Packer	(Nitro Gas / Foam Cell)		HILFR05 / HILFR05F	2
10mm Strut Trim Packer	(Nitro Gas / Foam Cell)		HILFR10 / HILFR10F	2
15mm Strut Trim Packer	(Nitro Gas / Foam Cell)		HILFR15 / HILFR15F	2

• ONLY Compatible with Ironman 4x4 Struts, lift height subject to 1:2 motion ratio. Unnecessary fitment may lift vehicle too high

REAR SUSPENSION

SHOCK ABSORBER

Nitro Gas			12645GRS	2
Foam Cell			24645FES	2

COIL SPRINGS

	Est. Lift	Additional Load		
Comfort	15mm	0 - 200kg	MITSO42A	1
Performance	30mm	0 - 250kg	MITSO42B	1
Performance with Accessories	40mm	250-500kg	MITSO20B	1
Constant Load	40mm	300kg - GVM	MITSO42C	1

• Check LHS rear coil captivity when lowering to ground

SUSPENSION KIT

Performance w/ Gas Shocks	MITSO42BKG1
Performance w/ Foam Cell Shocks	MITSO42BKF1
Constant Load w/ Gas Shocks	MITSO42CKG1
Constant Load w/ Foam Cell Shocks	MITSO42CKF1

• Specify Front Coil Springs when ordering

• Please note limited lift height, due to restrictions in vehicle design.

SUSPENSION KIT CONTENTS

Shock Absorbers	Coil Springs
Strut Shock Absorbers	

PAJERO

iO Pinin
1999+



Product

Part No.

Qty Req

FRONT SUSPENSION

COIL SPRINGS

Performance

Est. Lift

35mm

Additional Load

0 - 50kg

MITS034B

1

CAMBER CORRECTION

Camber Bolt Kit

ICAMBER14

1

REAR SUSPENSION

COIL SPRINGS

Performance

Est. Lift

35mm

Additional Load

0 - 200kg

MITS035B

1

MITSUBISHI



DELICA

L400
1994+

MITSUBISHI

Product

Part No.

**Qty
Req**

FRONT SUSPENSION

SHOCK ABSORBER

Nitro Gas		12667GR	2
Foam Cell		24667FE	2

TORSION BAR

Up-rated Torsion Bars		MITS031	1
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• Torsion Bars suit vehicles 5/1994-5/1999 only
• Minimum 60mm downward suspension travel required after adjustment

REAR SUSPENSION

SHOCK ABSORBER

Nitro Gas	Without ECS	12698GR	2
Nitro Gas	With ECS	12671GR	2

• ECS - Electronic Control Suspension

COIL SPRINGS

	Est. Lift	Additional Load		
Performance	40mm	0 - 250kg	MITS025B	1

SUSPENSION KIT

Performance w/ Gas Shocks without ECS	MITS031BKG
Performance w/ Gas Shocks with ECS	MITS031BKG1

• Shock Absorbers do not re-connect to ECS system

SUSPENSION KIT CONTENTS

Shock Absorbers	Torsion Bars
Coil Springs	

PATROL

MQ G160 (Round Headlights)
Pre 1984



NISSAN

Product

Part No.

Qty Req

FRONT SUSPENSION

SHOCK ABSORBER

Nitro Gas			12075GR	2
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LEAF SPRINGS

	Est. Lift	Additional Load		
Drivers side - Petrol	45mm	0 - 50kg	NISS003BD/S	1
Near Side - Petrol	45mm	0 - 50kg	NISS003BN/S	1

STEERING DAMPER

Foam Cell			3522	1
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U-BOLTS

U-Bolt Kit	Driver's side		452UBK	1
U-Bolt Kit	Near side		451UBK	1

STEEL SPRING BUSHES

Bush Kit			721UK	1
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GREASABLE SHACKLES AND PINS

Greasable Shackle	Straight Side Plates		355K	2
Greasable Pin			470	2

REAR SUSPENSION

SHOCK ABSORBER

Nitro Gas			12076GR	2
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LEAF SPRINGS

	Est. Lift	Additional Load		
Drivers side	45mm	0 - 200kg	NISS004BD/S	1
Near Side	45mm	0 - 200kg	NISS004BN/S	1

U-BOLTS

U-Bolt Kit			453UBK	2
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POLYURETHANE SPRING BUSHES

Bush Kit			722UK	1
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GREASABLE SHACKLES AND PINS

Greasable Shackle			664	2
Greasable Pin			470	2

HELPER SPRINGS

Load Plus Helper Springs			LP3	1
Add-A-Leaf			ISL6010	1

SUSPENSION KIT

Performance w/ Gas Shocks			NISS003BKG	
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SUSPENSION KIT CONTENTS

Shock Absorbers	U-Bolts
Leaf Springs	Polyurethane Spring Bushes



Product			Part No.	Qty Req
FRONT SUSPENSION				
SHOCK ABSORBER				
Nitro Gas			12075GR	2
LEAF SPRINGS				
	Est. Lift	Additional Load		
Drivers side - Petrol	45mm	0 - 50kg	NISS005BD/S	1
Near Side - Petrol	45mm	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				
Bush Kit			724UK	1
GREASABLE SHACKLES AND PINS				
Greasable Shackle		Stepped Side Plates	665	2
Greasable Pin			470	2
REAR SUSPENSION				
SHOCK ABSORBER				
Nitro Gas			12076GR	2
LEAF SPRINGS				
	Est. Lift	Additional Load		
Drivers side	45mm	0 - 200kg	NISS004BD/S	1
Near Side	45mm	0 - 200kg	NISS004BN/S	1
U-BOLTS				
U-Bolt Kit			453UBK	2
POLYURETHANE SPRING BUSHES				
Bush Kit			722UK	1
GREASABLE SHACKLES AND PINS				
Greasable Shackle			664	2
Greasable Pin			470	2
HELPER SPRINGS				
Load Plus Helper Springs			LP3	1
Add-A-Leaf			ISL6010	1
SUSPENSION KIT				
Performance w/ Gas Shocks			NISS005BKG	

SUSPENSION KIT CONTENTS

Shock Absorbers	U-Bolts
Leaf Springs	Polyurethane Spring Bushes

PATROL

GQ Y60 SWB

1988-1998



Product

Part No.

Qty Req

NISSAN

FRONT SUSPENSION

SHOCK ABSORBER

Nitro Gas			12091GR	2
Foam Cell			24091FE	2
Foam Cell		Suits 5" Lift	24091LFE	2
Foam Cell		Suits 7" Lift	24091LFE1	2
Foam Cell Pro			45091FE	2
Foam Cell Pro		Suits 5" Lift	45091LFE	2
Foam Cell Pro		Suits 7" Lift	45091LFE1	2

COIL SPRINGS

	Est. Lift	Additional Load		
Performance	50mm	0 - 50kg	NISS007B	1
Constant Load	50mm	50 - 110kg	NISS009B	1
Performance 5" Lift	125mm	0 - 100kg	NISS026B	1
Performance 7" Lift	175mm	0 - 100kg	NISS043B	1

STEERING DAMPER

Foam Cell	Pre 8/1989		3534	1
Foam Cell	8/1989+		3536	1

CASTER CORRECTION

2° Offset Bush Kit			1144SK	1
5° Offset Plate Kit			CPLATE003	1

CROSSMEMBER SPACER

6mm / 12mm Spacer Kit			1002K	1
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DRAG LINK

Adjustable Drag Link			ADL003	1
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ADJUSTABLE PANHARD ROD

Right Hand Drive Rod			PANHARD003	1
Left Hand Drive Rod			PANHARD008	1

SWAY BAR LINK

Extended Sway Bar Link		Suits 1-3" Lift	SBEXT006	2
Extended Sway Bar Link		Suits 4-7" Lift	SBEXT003	2

COIL SPACER

Polyurethane 15mm		Provides 10mm Lift	PATF15	2
Polyurethane 30mm		Provides 25mm Lift	PATF30	2

BRAKE HOSE

Extended Brake Hose			BHOSE003	1
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REAR SUSPENSION

SHOCK ABSORBER

Nitro Gas			12094GR	2
Foam Cell			24094FE	2
Foam Cell		Suits 5" Lift	24094LFE	2
Foam Cell		Suits 7" Lift	24094LFE1	2
Foam Cell Pro			45094FE	2
Foam Cell Pro		Suits 5" Lift	45094LFE	2
Foam Cell Pro		Suits 7" Lift	45094LFE1	2
Performance	50mm	0 - 200kg	NISS008B	1
Constant Load	50mm	200 - 400kg	NISS010B	1
Extra Constant Load	55mm	400kg - GVM	NISS010C	1
Performance 5" Lift	125mm	0 - 300kg	NISS027B	1
Performance 7" Lift	175mm	0 - 300kg	NISS044B	1

Listing continued on following page



Product	Part No.	Qty Req	
PANHARD ROD			
Adjustable Panhard Rod	PANHARD004	1	
ADJUSTABLE TRAILING ARM			
Upper Trailing Arm	UTA003	2	
Lower Trailing Arm	LTA003	2	
SWAY BAR LINK			
Extended Sway Bar Link	Suits 1-3"Lift	SBEXT006	2
Extended Sway Bar Link	Suits 4-7"Lift	SBEXT003	2
COIL SPACER			
Polyurethane 15mm	Provides 10mm Lift	PATR15	2
Polyurethane 30mm	Provides 25mm Lift	PATR30	2
BRAKE HOSE			
Extended Brake Hose	BHOSE004	1	
BUSH KIT			
Suspension Arm Bush Kit	Pre 8/1989	831K	1
Suspension Arm Bush Kit	8/1989+	839K	1

SUSPENSION KIT

Performance w/ Gas Shocks	NISS007BKG
Performance w/ Foam Cell Shocks	NISS007BKF
Performance w/ Foam Cell Pro Shocks	NISS007BKP
Constant Load w/ Gas Shocks	NISS009BKG
Constant Load w/ Foam Cell Shocks	NISS009BKF
Constant Load w/ Foam Cell Pro Shocks	NISS009BKP
Extra Constant Load w/ Gas Shocks	NISS009BKG1
Extra Constant Load w/ Foam Cell Shocks	NISS009BKF1
Extra Constant Load w/ Foam Cell Pro Shocks	NISS009BKP1
Performance RHD w/ Foam Cell Shocks 5"Lift	NISS026BKF
Performance RHD w/ Foam Cell Pro Shocks 5"Lift	NISS026BKP
Performance RHD w/ Foam Cell Shocks 7"Lift	NISS043BKF
Performance RHD w/ Foam Cell Pro Shocks 7"Lift	NISS043BKP
Performance LHD w/ Foam Cell Shocks 5"Lift	NISS026BKFL
Performance LHD w/ Foam Cell Pro Shocks 5"Lift	NISS026BKPL
Performance LHD w/ Foam Cell Shocks 7"Lift	NISS043BKFL
Performance LHD w/ Foam Cell Pro Shocks 7"Lift	NISS043BKPL

• 5" and 7" lifts may not be legal for on-road use in your area, certification may be required for on-road use
 • Due to the extreme nature of 5" and 7" lifts, further modifications may be required, and will vary between vehicles
 Such modifications are entirely the owners responsibility. Ironman 4x4 accept no responsibility for any damage or injury caused by use of the these products

50MM SUSPENSION KIT CONTENTS	5" AND 7" SUSPENSION KIT CONTENTS			
Shock Absorbers	Shock Absorbers	Panhard Rods	Caster Plates	Adjustable Trailing Arms
Coil Springs	Coil Springs	Sway Bar Links	Brake Hoses	

PATROL

GQ Y60 LWB Wagon
1988-1998



Product

Part No.

Qty Req

NISSAN

FRONT SUSPENSION

SHOCK ABSORBER

Nitro Gas			12091GR	2
Foam Cell			24091FE	2
Foam Cell		Suits 4" Lift	24091LFE	2
Foam Cell		Suits 6" Lift	24091LFE1	2
Foam Cell Pro			45091FE	2
Foam Cell Pro		Suits 4" Lift	45091LFE	2
Foam Cell Pro		Suits 6" Lift	45091LFE1	2

COIL SPRINGS

	Est. Lift	Additional Load		
Performance	50mm	0 - 50kg	NISS009B	1
Constant Load	50mm	50 - 110kg	NISS009C	1
Performance 4" Lift	100mm	0 - 100kg	NISS026B	1
Performance 6" Lift	150mm	0 - 100kg	NISS043B	1

STEERING DAMPER

Foam Cell	Pre 8/1989		3534	1
Foam Cell	8/1989+		3536	1

CASTER CORRECTION

2° Offset Bush Kit			1144SK	1
5° Offset Plate Kit			CPLATE003	1

CROSSMEMBER SPACER

6mm / 12mm Spacer Kit			1002K	1
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DRAG LINK

Adjustable Drag Link			ADL003	1
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ADJUSTABLE PANHARD ROD

Right Hand Drive Rod			PANHARD003	1
Left Hand Drive Rod			PANHARD008	1

SWAY BAR LINK

Extended Sway Bar Link		Suits 1-3" Lift	SBEXT006	2
Extended Sway Bar Link		Suits 4-7" Lift	SBEXT003	2

COIL SPACER

Polyurethane 15mm		Provides 10mm Lift	PATF15	2
Polyurethane 30mm		Provides 25mm Lift	PATF30	2

BRAKE HOSE

Extended Brake Hose			BHOSE003	1
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REAR SUSPENSION

SHOCK ABSORBER

Nitro Gas			12094GR	2
Foam Cell			24094FE	2
Foam Cell		Suits 4" Lift	24094LFE	2
Foam Cell		Suits 6" Lift	24094LFE1	2
Foam Cell Pro			45094FE	2
Foam Cell Pro		Suits 4" Lift	45094LFE	2
Foam Cell Pro		Suits 6" Lift	45094LFE1	2

COIL SPRINGS

	Est. Lift	Additional Load		
Performance	50mm	0 - 200kg	NISS010B	1
Constant Load	50mm	200 - 400kg	NISS010C	1
Extra Constant Load	50mm	400 - 600kg	NISS020C	1
Extra Heavy Constant Load	50mm	600kg - GVM	NISS020D	1
Performance 4" Lift	100mm	0 - 300kg	NISS027B	1
Performance 6" Lift	150mm	0 - 300kg	NISS044B	1
Constant Load 4" Lift	100mm	400kg - GVM	NISS027C	1
Constant Load 6" Lift	100mm	400kg - GVM	NISS044C	1

Listing continued on following page



Product

Part No.

**Qty
Req**

PANHARD ROD

Adjustable Panhard Rod **PANHARD004** 1

ADJUSTABLE TRAILING ARM

Upper Trailing Arm **UTA003** 2

Lower Trailing Arm **LTA003** 2

SWAY BAR LINK

Extended Sway Bar Link Suits 1-3"Lift **SBEXT006** 2

Extended Sway Bar Link Suits 4-7"Lift **SBEXT003** 2

COIL SPACER

Polyurethane 15mm Provides 10mm Lift **PATR15** 2

Polyurethane 30mm Provides 25mm Lift **PATR30** 2

BRAKE HOSE

Extended Brake Hose **BHOSE004** 1

BUSH KIT

Suspension Arm Bush Kit Pre 8/1989 **831K** 1

Suspension Arm Bush Kit 8/1989+ **839K** 1

SUSPENSION KIT

Performance w/ Gas Shocks	NISS009BKG
Performance w/ Foam Cell Shocks	NISS009BKF
Performance w/ Foam Cell Pro Shocks	NISS009BKP
Constant Load w/ Gas Shocks	NISS009CKG
Constant Load w/ Foam Cell Shocks	NISS009CKF
Constant Load w/ Foam Cell Pro Shocks	NISS009CKP
Extra Constant Load w/ Gas Shocks	NISS020CKG
Extra Constant Load w/ Foam Cell Shocks	NISS020CKF
Extra Constant Load w/ Foam Cell Pro Shocks	NISS020CKP
Extra Heavy Constant Load w/ Gas Shocks	NISS024DKG
Extra Heavy Constant Load w/ Foam Cell Shocks	NISS024DKF
Extra Heavy Constant Load w/ Foam Cell Pro Shocks	NISS024DKP
Performance RHD w/ Foam Cell Shocks 4"Lift	NISS026BKF
Performance RHD w/ Foam Cell Pro Shocks 4"Lift	NISS026BKP
Performance RHD w/ Foam Cell Shocks 6"Lift	NISS043BKF
Performance RHD w/ Foam Cell Pro Shocks 6"Lift	NISS043BKP
Performance LHD w/ Foam Cell Shocks 4"Lift	NISS026BKFL
Performance LHD w/ Foam Cell Pro Shocks 4"Lift	NISS026BKPL
Performance LHD w/ Foam Cell Shocks 6"Lift	NISS043BKFL
Performance LHD w/ Foam Cell Pro Shocks 6"Lift	NISS043BKPL
Constant Load RHD w/ Foam Cell Shocks 4"Lift	NISS026CKF
Constant Load RHD w/ Foam Cell Pro Shocks 4"Lift	NISS026CKP
Constant Load RHD w/ Foam Cell Shocks 6"Lift	NISS043CKF
Constant Load RHD w/ Foam Cell Pro Shocks 6"Lift	NISS043CKP
Constant Load LHD w/ Foam Cell Shocks 4"Lift	NISS026CKFL
Constant Load LHD w/ Foam Cell Pro Shocks 4"Lift	NISS026CKPL
Constant Load LHD w/ Foam Cell Shocks 6"Lift	NISS043CKFL
Constant Load LHD w/ Foam Cell Pro Shocks 6"Lift	NISS043CKPL

• 4" and 6" lifts may not be legal for on-road use in your area, certification may be required for on-road use
 • Due to the extreme nature of 4" and 6" lifts, further modifications may be required, and will vary between vehicles
 Such modifications are entirely the owners responsibility. Ironman 4x4 accept no responsibility for any damage or injury caused by use of the these products

50MM SUSPENSION KIT CONTENTS

Shock Absorbers
Coil Springs

4" AND 6" SUSPENSION KIT CONTENTS

Shock Absorbers Panhard Rods Caster Plates Adjustable Trailing Arms
Coil Springs Sway Bar Links Brake Hoses

PATROL

GQ Y60 Cab Chassis (Leaf / Leaf)

1988+



NISSAN

Product

Part No.

Qty Req

FRONT SUSPENSION

SHOCK ABSORBER

Nitro Gas 12661GR 2

Foam Cell 24661FE 2

LEAF SPRINGS

Drivers side Est. Lift 50mm Additional Load 0 - 110kg NISS011CD/S 1

Near side 50mm 0 - 110kg NISS011CN/S 1

STEERING DAMPER

Foam Cell 3522 1

U-BOLTS

Drivers Side U-Bolt Kit 669UBK 1

Near Side U-Bolt Kit 436UBK 1

POLYURETHANE SPRING BUSHES

Bush Kit 718UK 1

GREASABLE SHACKLES AND PINS

Greasable Shackle Left Hand Side 353RH 1

Greasable Shackle Right Hand Side 353LH 1

Greasable Pin 667 2

REAR SUSPENSION

SHOCK ABSORBER

Nitro Gas 12648GR 2

Foam Cell 24648FE 2

LEAF SPRINGS

Constant Load Drivers Side Est. Lift 50mm Additional Load 0 - 400kg NISS012CD/S 1

Constant Load Near Side 50mm 0 - 400kg NISS012CN/S 1

Extra Constant Load Drivers 50mm 400kg - GVM NISS012DD/S 1

Extra Constant Load Near 50mm 400kg - GVM NISS012DN/S 1

U-BOLTS

U-Bolt Kit 670UBK 2

POLYURETHANE SPRING BUSHES

Bush Kit 719UK 1

GREASABLE SHACKLES AND PINS

Greasable Shackle Left Hand Side 353LH 1

Greasable Shackle Right Hand Side 353RH 1

Greasable Pin 667 2

HELPER SPRINGS

Load Plus Helper Springs LP4 1

SUSPENSION KIT

Constant Load w/ Gas Shocks NISS011CKG

Constant Load w/ Foam Cell NISS011CKF

Extra Constant Load w/ Gas Shocks NISS011DKG

Extra Constant Load w/ Foam Cell NISS011DKF

SUSPENSION KIT CONTENTS

Shock Absorbers U-Bolts
Leaf Springs Polyurethane Spring Bushes



Product	Part No.	Qty Req
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FRONT SUSPENSION

SHOCK ABSORBER

Nitro Gas	12091GR	2
Foam Cell	24091FE	2

COIL SPRINGS

	Est. Lift	Additional Load		
Performance	50mm	0 - 50kg	NISS024B	1
Constant Load	50mm	50 - 110kg	NISS009C	1

STEERING DAMPER

Foam Cell	3511	1
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CASTER CORRECTION

2° Offset Bush Kit	1144SK	1
5° Offset Plate Kit	CPLATE003	1

ADJUSTABLE DRAG LINK

Drag Link	ADL003	1
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ADJUSTABLE PANHARD ROD

Right Hand Drive Rod	PANHARD003	1
Left Hand Drive Rod	PANHARD008	1

SWAY BAR LINK

Extended Sway Bar Link	Suits 1-3"Lift	SBEXT006	2
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COIL SPACER

Polyurethane 15mm	Provides 10mm Lift	PATF15	2
Polyurethane 30mm	Provides 25mm Lift	PATF30	2

BRAKE HOSE

Extended Brake Hose	Non ABS Models	BHOSE003	1
Extended Brake Hose	ABS models	BHOSE005	2

REAR SUSPENSION

SHOCK ABSORBER

Nitro Gas	12648GR	2
Foam Cell	24648FE	2

LEAF SPRINGS

	Est. Lift	Additional Load		
Constant Load Drivers Side	50mm	0 - 400kg	NISS012CD/S	1
Constant Load Near Side	50mm	0 - 400kg	NISS012CN/S	1
Extra Constant Load Drivers	50mm	400kg - GVM	NISS012DD/S	1
Extra Constant Load Near	50mm	400kg - GVM	NISS012DN/S	1

U-BOLTS

U-Bolt Kit		1100UBK	2	
U-Bolt Kit	Extra Long	Suits NISS012D Springs	1100UBKL	2

POLYURETHANE SPRING BUSHES

Bush Kit	719UK	1
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GREASABLE SHACKLES AND PINS

Greasable Shackle	Left Hand Side	353LH	1
Greasable Shackle	Right Hand Side	353RH	1
Greasable Pin		667	2

HELPER SPRINGS

Load Plus Helper Springs	LP4	1
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SUSPENSION KIT

Constant Load w/ Gas Shocks	NISS036CKG
Constant Load w/ Foam Cell Shocks	NISS036CKF
Extra Constant Load w/ Gas Shocks	NISS036DKG
Extra Constant Load w/ Foam Cell Shocks	NISS036DKF

SUSPENSION KIT CONTENTS

Shock Absorbers	Leaf Springs	Polyurethane Spring Bushes
Coil Springs	Ubolts	



NISSAN

Product

Part No.

Qty Req

FRONT SUSPENSION

SHOCK ABSORBER

Nitro Gas			12091GR	2
Foam Cell			24091FE	2
Foam Cell		Suits 4" Lift	24091LFE	2
Foam Cell		Suits 6" Lift	24091LFE1	2
Foam Cell Pro			45091FE	2
Foam Cell Pro		Suits 4" Lift	45091LFE	2
Foam Cell Pro		Suits 6" Lift	45091LFE1	2

COIL SPRINGS

	Est. Lift	Additional Load		
Performance	50mm	0 - 50kg	NISS024B	1
Constant Load	50mm	50 - 110kg	NISS009C	1
Performance 4" Lift	100mm	0 - 100kg	NISS026B	1
Performance 6" Lift	150mm	0 - 100kg	NISS043B	1

STEERING DAMPER

Foam Cell			3511	1
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CASTER CORRECTION

2° Offset Bush Kit			1144SK	1
5° Offset Plate Kit			CPLATE003	1

DRAG LINK

Adjustable Drag Link			ADL003	1
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ADJUSTABLE PANHARD ROD

Right Hand Drive Rod			PANHARD003	1
Left Hand Drive Rod			PANHARD008	1

SWAY BAR LINK

Extended Sway Bar Link		Suits 1-3" Lift	SBEXT006	2
Extended Sway Bar Link		Suits 4-7" Lift	SBEXT003	2

COIL SPACER

Polyurethane 15mm		Provides 10mm Lift	PATF15	2
Polyurethane 30mm		Provides 25mm Lift	PATF30	2

BRAKE HOSE

Extended Brake Hose		Non ABS Models	BHOSE003	1
Extended Brake Hose		ABS models	BHOSE005	2

REAR SUSPENSION

SHOCK ABSORBER

Nitro Gas			12094GR	2
Foam Cell			24094FE	2
Foam Cell		Suits 4" Lift	24094LFE	2
Foam Cell		Suits 6" Lift	24094LFE1	2
Foam Cell Pro			45094FE	2
Foam Cell Pro		Suits 4" Lift	45094LFE	2
Foam Cell Pro		Suits 6" Lift	45094LFE1	2

COIL SPRINGS

	Est. Lift	Additional Load		
Performance	50mm	0 - 300kg	NISS020B	1
Constant Load	50mm	300 - 400kg	NISS020C	1
Extra Constant Load	50mm	400kg - GVM	NISS020D	1
Performance 4" Lift	100mm	0 - 300kg	NISS027B	1
Performance 6" Lift	150mm	0 - 300kg	NISS044B	1
Constant Load 4" Lift	100mm	400kg - GVM	NISS027C	1
Constant Load 6" Lift	100mm	400kg - GVM	NISS044C	1

Listing continued on following page



Product

Part No.

**Qty
Req**

PANHARD ROD

Adjustable Panhard Rod **PANHARD004** 1

ADJUSTABLE TRAILING ARM

Upper Trailing Arm **UTA003** 2

Lower Trailing Arm **LTA003** 2

SWAY BAR LINK

Extended Sway Bar Link Suits 1-3"Lift Right Side **SBEXT006** 1

Extended Sway Bar Link Suits 4-7"Lift Right Side **SBEXT003** 1

Extended Sway Bar Link Suits 1-3"Lift Left Side **SBEXT007** 1

Extended Sway Bar Link Suits 4-7"Lift Left Side **SBEXT004** 1

COIL SPACER

Polyurethane 15mm Provides 10mm Lift **PATR15** 2

Polyurethane 30mm Provides 25mm Lift **PATR30** 2

BRAKE HOSE

Extended Brake Hose **BHOSE004** 1

BUSH KIT

Suspension Arm Bush Kit **839K** 1

SUSPENSION KIT

Performance w/ Gas Shocks	NISS037BKG
Performance w/ Foam Cell Shocks	NISS037BKF
Performance w/ Foam Cell Pro Shocks	NISS037BKP
Constant Load w/ Gas Shocks	NISS037CKG
Constant Load w/ Foam Cell Shocks	NISS037CKF
Constant Load w/ Foam Cell Pro Shocks	NISS037CKP
Extra Constant Load w/ Gas Shocks	NISS037DKG
Extra Constant Load w/ Foam Cell Shocks	NISS037DKF
Extra Constant Load w/ Foam Cell Pro Shocks	NISS037DKP
Performance RHD w/ Foam Cell Shocks 4"Lift	NISS026BKF
Performance RHD w/ Foam Cell Pro Shocks 4"Lift	NISS026BKP
Performance RHD w/ Foam Cell Shocks 6"Lift	NISS043BKF
Performance RHD w/ Foam Cell Pro Shocks 6"Lift	NISS043BKP
Performance LHD w/ Foam Cell Shocks 4"Lift	NISS026BKFL
Performance LHD w/ Foam Cell Pro Shocks 4"Lift	NISS026BKPL
Performance LHD w/ Foam Cell Shocks 6"Lift	NISS043BKFL
Performance LHD w/ Foam Cell Pro Shocks 6"Lift	NISS043BKPL
Constant Load RHD w/ Foam Cell Shocks 4"Lift	NISS026CKF
Constant Load RHD w/ Foam Cell Pro Shocks 4"Lift	NISS026CKP
Constant Load RHD w/ Foam Cell Shocks 6"Lift	NISS043CKF
Constant Load RHD w/ Foam Cell Pro Shocks 6"Lift	NISS043CKP
Constant Load LHD w/ Foam Cell Shocks 4"Lift	NISS026CKFL
Constant Load LHD w/ Foam Cell Pro Shocks 4"Lift	NISS026CKPL
Constant Load LHD w/ Foam Cell Shocks 6"Lift	NISS043CKFL
Constant Load LHD w/ Foam Cell Pro Shocks 6"Lift	NISS043CKPL

• Specify ABS / non-ABS brake hoses when ordering suspension kits

• 4" and 6" lifts may not be legal for on-road use in your area, certification may be required for on-road use

• Due to the extreme nature of 4" and 6" lifts, further modifications may be required, and will vary between vehicles

Such modifications are entirely the owners responsibility. Ironman 4x4 accept no responsibility for any damage or injury caused by use of these products

50MM SUSPENSION KIT CONTENTS

Shock Absorbers
Coil Springs

4" AND 6" SUSPENSION KIT CONTENTS

Shock Absorbers	Panhard Rods	Caster Plates	Adjustable Trailing Arms
Coil Springs	Sway Bar Links	Brake Hoses	



NISSAN

Product	Part No.	Qty Req
FRONT SUSPENSION		
SHOCK ABSORBER		
Nitro Gas	12091GR	2
Foam Cell	24091FE	2
Foam Cell Suits 4" Lift	24091LFE	2
Foam Cell Suits 6" Lift	24091LFE1	2
Foam Cell Pro	45091FE	2
Foam Cell Pro Suits 4" Lift	45091LFE	2
Foam Cell Pro Suits 6" Lift	45091LFE1	2
COIL SPRINGS		
	Est. Lift	Additional Load
Performance	50mm	0 - 50kg
Constant Load	50mm	50 - 110kg
Performance 4" Lift	100mm	0 - 100kg
Performance 6" Lift	150mm	0 - 100kg
		NISS024B
		NISS009C
		NISS026B
		NISS043B
		1
		1
		1
		1
STEERING DAMPER		
Foam Cell	Pre 2/2000	3511
Foam Cell	2/2000+	3501
		1
		1
CASTER CORRECTION		
2° Offset Bush Kit		1144SK
5° Offset Plate Kit		CPLATE003
		1
		1
DRAG LINK		
Adjustable Drag Link		ADL005
		1
ADJUSTABLE PANHARD ROD		
Right Hand Drive Rod	Pre 2/2000	PANHARD003
Left Hand Drive Rod	Pre 2/2000	PANHARD008
Right Hand Drive Rod	2/2000+	PANHARD005
Left Hand Drive Rod	2/2000+	PANHARD009
		1
		1
		1
		1
SWAY BAR LINK		
Extended Sway Bar Link	Suits 1-3"Lift	SBEXT006
Extended Sway Bar Link	Suits 4-7"Lift	SBEXT003
		2
		2
COIL SPACER		
Polyurethane 15mm	Provides 10mm Lift	PATF15
Polyurethane 30mm	Provides 25mm Lift	PATF30
		2
		2
BRAKE HOSE		
Extended Brake Hose	Non ABS Models	BHOSE003
Extended Brake Hose	ABS models	BHOSE005
		1
		2
REAR SUSPENSION		
SHOCK ABSORBER		
Nitro Gas		12094GR
Foam Cell		24094FE
Foam Cell Suits 4" Lift		24094LFE
Foam Cell Suits 6" Lift		24094LFE1
Foam Cell Pro		45094FE
Foam Cell Pro Suits 4" Lift		45094LFE
Foam Cell Pro Suits 6" Lift		45094LFE1
		2
		2
		2
		2
		2
		2
COIL SPRINGS		
	Est. Lift	Additional Load
Performance	50mm	0 - 200kg
Constant Load	50mm	200 - 400kg
Extra Constant Load	50mm	400kg - GVM
Performance 4" Lift	100mm	0 - 300kg
Performance 6" Lift	150mm	0 - 300kg
Constant Load 4"Lift	100mm	400kg - GVM
Constant Load 6"Lift	100mm	400kg - GVM
		NISS010C
		NISS020C
		NISS020D
		NISS027B
		NISS044B
		NISS027C
		NISS044C
		1
		1
		1
		1
		1
		1

Listing continued on following page



Product		Part No.	Qty Req
PANHARD ROD			
Adjustable Panhard Rod	Pre 2/2000	PANHARD004	1
Adjustable Panhard Rod	2/2000+	PANHARD006	1
ADJUSTABLE TRAILING ARM			
Upper Trailing Arm		UTA003	2
Lower Trailing Arm		LTA003	2
SWAY BAR LINK			
Extended Sway Bar Link	Suits 1-3"Lift Right Side	SBEXT006	1
Extended Sway Bar Link	Suits 4-7"Lift Right Side	SBEXT003	1
Extended Sway Bar Link	Suits 1-3"Lift Left Side	SBEXT007	1
Extended Sway Bar Link	Suits 4-7"Lift Left Side	SBEXT004	1
COIL SPACER			
Polyurethane 15mm	Provides 10mm Lift	PATR15	2
Polyurethane 30mm	Provides 25mm Lift	PATR30	2
BRAKE HOSE			
Extended Brake Hose		BHOSE004	1
BUSH KIT			
Suspension Arm Bush Kit	Pre 2/2000	839K	1
SUSPENSION KIT			
Performance w/ Gas Shocks		NISS024CKG	
Performance w/ Foam Cell Shocks		NISS024CKF	
Performance w/ Foam Cell Pro Shocks		NISS024CKP	
Constant Load w/ Gas Shocks		NISS037CKG	
Constant Load w/ Foam Cell Shocks		NISS037CKF	
Constant Load w/ Foam Cell Pro Shocks		NISS037CKP	
Extra Constant Load w/ Gas Shocks		NISS037DKG	
Extra Constant Load w/ Foam Cell Shocks		NISS037DKF	
Extra Constant Load w/ Foam Cell Pro Shocks		NISS037DKP	
Performance RHD w/ Foam Cell Shocks 4"Lift	Pre 2/2000	NISS026BKF	
Performance RHD w/ Foam Cell Pro Shocks 4"Lift	Pre 2/2000	NISS026BKP	
Performance RHD w/ Foam Cell Shocks 6"Lift	Pre 2/2000	NISS043BKF	
Performance RHD w/ Foam Cell Pro Shocks 6"Lift	Pre 2/2000	NISS043BKP	
Performance RHD w/ Foam Cell Shocks 4"Lift	2/2000+	NISS026BKF1	
Performance RHD w/ Foam Cell Pro Shocks 4"Lift	2/2000+	NISS026BKP1	
Performance RHD w/ Foam Cell Shocks 6"Lift	2/2000+	NISS043BKF1	
Performance RHD w/ Foam Cell Pro Shocks 6"Lift	2/2000+	NISS043BKP1	
Performance LHD w/ Foam Cell Shocks 4"Lift	Pre 2/2000	NISS026BKFL	
Performance LHD w/ Foam Cell Pro Shocks 4"Lift	Pre 2/2000	NISS026BKPL	
Performance LHD w/ Foam Cell Shocks 6"Lift	Pre 2/2000	NISS043BKFL	
Performance LHD w/ Foam Cell Pro Shocks 6"Lift	Pre 2/2000	NISS043BKPL	
Performance LHD w/ Foam Cell Shocks 4"Lift	2/2000+	NISS026BKF1L	
Performance LHD w/ Foam Cell Pro Shocks 4"Lift	2/2000+	NISS026BKP1L	
Performance LHD w/ Foam Cell Shocks 6"Lift	2/2000+	NISS043BKF1L	
Performance LHD w/ Foam Cell Pro Shocks 6"Lift	2/2000+	NISS043BKP1L	
Contstant Load RHD w/ Foam Cell Shocks 4"Lift	Pre 2/2000	NISS026CKF	
Contstant Load RHD w/ Foam Cell Pro Shocks 4"Lift	Pre 2/2000	NISS026CKP	
Contstant Load RHD w/ Foam Cell Shocks 6"Lift	Pre 2/2000	NISS043CKF	
Contstant Load RHD w/ Foam Cell Pro Shocks 6"Lift	Pre 2/2000	NISS043CKP	
Contstant Load RHD w/ Foam Cell Shocks 4"Lift	2/2000+	NISS026CKF1	
Contstant Load RHD w/ Foam Cell Pro Shocks 4"Lift	2/2000+	NISS026CKP1	
Contstant Load RHD w/ Foam Cell Shocks 6"Lift	2/2000+	NISS043CKF1	
Contstant Load RHD w/ Foam Cell Pro Shocks 6"Lift	2/2000+	NISS043CKP1	

- Specify ABS / non-ABS brake hoses when ordering suspension kits
 - 4" and 6" lifts may not be legal for on-road use in your area, certification may be required for on-road use
 - Due to the extreme nature of 4" and 6" lifts, further modifications may be required, and will vary between vehicles, such modifications are entirely the owners responsibility
- Ironman 4x4 accept no responsibility for any damage or injury caused by use of the these products

50MM SUSPENSION KIT CONTENTS	4" AND 6" SUSPENSION KIT CONTENTS			
Shock Absorbers	Shock Absorbers	Panhard Rods	Caster Plates	Adjustable Trailing Arms
Coil Springs	Coil Springs	Sway Bar Links	Brake Hoses	



Product	Part No.	Qty Req
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FRONT SUSPENSION

SHOCK ABSORBER

Nitro Gas Strut	12740GR	2
Foam Cell Strut	24740FE	2
Foam Cell Pro Strut	45740FE	2

• Height adjustable with Ironman 4x4 Strut Trim Packers

• Non HBMC models only

COIL SPRINGS

	Est. Lift	Additional Load		
Comfort	30mm	0 - 50kg	NISS045A	1
Performance	40mm	0 - 50kg	NISS045B	1
Constant Load	50mm	50 - 110kg	NISS045C	1

TRIM PACKERS

5mm Strut Trim Packer	(Nitro Gas / Foam Cell)	HILFR05 / HILFR05F	2
10mm Strut Trim Packer	(Nitro Gas / Foam Cell)	HILFR10 / HILFR10F	2
15mm Strut Trim Packer	(Nitro Gas / Foam Cell)	HILFR15 / HILFR15F	2

• ONLY Compatible with Ironman 4x4 Struts (except Pro), lift height subject to 1:2 motion ratio. Unnecessary fitment may lift vehicle too high

SWAY BAR

36mm Sway Bar	ISB600F	1
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REAR SUSPENSION

SHOCK ABSORBER

Nitro Gas	12742GR	2
Foam Cell	24742FE	2
Foam Cell Pro	45742FE	2

• Non HBMC models only

COIL SPRINGS

	Est. Lift	Additional Load		
Comfort	30mm	0 - 300kg	NISS046A	1
Performance	40mm	0 - 300kg	NISS046B	1
Constant Load	50mm	300kg - GVM	NISS046C	1

SWAY BAR

27mm Sway Bar	ISB600R	1
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SUSPENSION KIT

Comfort w/ Gas Shocks	NISS045AKG
Comfort w/ Foam Cell	NISS045AKF
Comfort w/ Foam Cell Pro	NISS045AKP
Performance w/ Gas Shocks	NISS045BKG
Performance w/ Foam Cell	NISS045BKF
Performance w/ Foam Cell Pro	NISS045BKP
Constant Load w/ Gas Shocks	NISS045CKG
Constant Load w/ Foam Cell	NISS045CKF
Constant Load w/ Foam Cell Pro	NISS045CKP

• Non HBMC models only

• Mandatory 4 wheel alignment after installing new suspension

SUSPENSION KIT CONTENTS

Shock Absorbers	Coil Springs
Strut Shock Absorbers	



PATHFINDER / TERRANO / II

R20 / WD21

Pre 1995

NISSAN

Product	Part No.	Qty Req
FRONT SUSPENSION		
SHOCK ABSORBER		
Nitro Gas	12667GR	2
Foam Cell	24667FE	2
TORSION BAR		
Up-rated Torsion Bars	NISS017	1
• Minimum 60mm downward suspension travel required after adjustment		
REAR SUSPENSION		
SHOCK ABSORBER		
Nitro Gas Comfort	12636GRC	2
Nitro Gas	12636GR	2
Foam Cell Comfort	24636FEC	2
Foam Cell	24636FE	2
COIL SPRINGS		
	Est. Lift	Additional Load
Performance	40mm	0 -250kg
Constant Load	40mm	250kg - GVM
		NISS018B
		HOLD008B
		1
		1
SUSPENSION KIT		
Performance w/ Gas Shocks	NISS018BKG	
Performance w/ Foam Cell	NISS018BKF	
Constant Load w/ Gas Shocks	NISS018CKG	
Constant Load w/ Foam Cell	NISS018CKF	

SUSPENSION KIT CONTENTS

Shock Absorbers Torsion Bars
 Coil Springs

PATHFINDER

R50

1995 - 7/2005



Product

Part No.

Qty Req

FRONT SUSPENSION

COIL SPRINGS

Performance

Est. Lift

35mm

Additional Load

0 - 50kg

NISS034B

1

CAMBER CORRECTION

Camber Bolt Kit

ICAMBER14

1

REAR SUSPENSION

COIL SPRINGS

Performance

Est. Lift

35mm

Additional Load

0 - 200kg

NISS035B

1

NISSAN



PATHFINDER

R51 (4cyl Diesel and V6 Petrol)

7/2005+

NISSAN

Product

Part No.

Qty Req

FRONT SUSPENSION

SHOCK ABSORBER

Nitro Gas Strut			12716GR	2
Foam Cell Strut			24716FE	2

• Height adjustable with Ironman 4x4 Strut Trim Packers

COIL SPRINGS

	Est. Lift	Additional Load		
Performance	35mm	0 - 50kg	NISS040B	1
Constant Load	35mm	50 - 110kg	NISS040C	1

STRUT MOUNTS

Steel Strut Top			ISST007	2
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TRIM PACKERS

5mm Strut Trim Packer	(Nitro Gas / Foam Cell)		HILFR05 / HILFR05F	2
10mm Strut Trim Packer	(Nitro Gas / Foam Cell)		HILFR10 / HILFR10F	2
15mm Strut Trim Packer	(Nitro Gas / Foam Cell)		HILFR15 / HILFR15F	2

• ONLY Compatible with Ironman 4x4 Struts, lift height subject to 1:2 motion ratio. Unnecessary fitment may lift vehicle too high

REAR SUSPENSION

SHOCK ABSORBER

Nitro Gas			12718GR	2
Foam Cell			24718FE	2

COIL SPRINGS

	Est. Lift	Additional Load		
Performance	40mm	0 - 250kg	NISS042B	1
Constant Load	40mm	250kg - GVM	NISS042C	1

SUSPENSION KIT

Performance w/ Gas Shocks	NISS042BKG
Performance w/ Foam Cell	NISS042BKF
Constant Load w/ Gas Shocks	NISS042CKG
Constant Load w/ Foam Cell	NISS042CKF

• Specify front Coil Springs when ordering

• Mandatory 4 wheel alignment after installing new suspension

SUSPENSION KIT CONTENTS

Shock Absorbers	Coil Springs
Strut Shock Absorbers	

PATHFINDER

R51 (V6 Diesel)

7/2005+



NISSAN

Product

Part No.

Qty Req

FRONT SUSPENSION

SHOCK ABSORBER

Nitro Gas Strut			12716GR	2
Foam Cell Strut			24716FE	2

• Height adjustable with Ironman 4x4 Strut Trim Packers

COIL SPRINGS

	Est. Lift	Additional Load		
Performance	35mm	0 - 50kg	NISS040C	1
Constant Load	35mm	50 - 110kg	NISS040D	1

STRUT MOUNTS

Steel Strut Top			ISST007	2
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TRIM PACKERS

5mm Strut Trim Packer	(Nitro Gas / Foam Cell)		HILFR05 / HILFR05F	2
10mm Strut Trim Packer	(Nitro Gas / Foam Cell)		HILFR10 / HILFR10F	2
15mm Strut Trim Packer	(Nitro Gas / Foam Cell)		HILFR15 / HILFR15F	2

• ONLY Compatible with Ironman 4x4 Struts, lift height subject to 1:2 motion ratio. Unnecessary fitment may lift vehicle too high

REAR SUSPENSION

SHOCK ABSORBER

Nitro Gas			12718GR	2
Foam Cell			24718FE	2

COIL SPRINGS

	Est. Lift	Additional Load		
Performance	40mm	0 - 250kg	NISS042B	1
Constant Load	40mm	250kg - GVM	NISS042C	1

SUSPENSION KIT

Performance w/ Gas Shocks	NISS042BKG1
Performance w/ Foam Cell	NISS042BKF1
Constant Load w/ Gas Shocks	NISS042CKG1
Constant Load w/ Foam Cell	NISS042CKF1

• Specify front Coil Springs when ordering

SUSPENSION KIT CONTENTS

Shock Absorbers	Coil Springs
Strut Shock Absorbers	



Product

Part No.

**Qty
Req**

FRONT SUSPENSION

SHOCK ABSORBER

Nitro Gas **12087GR** 2

Foam Cell **24087FE** 2

TORSION BAR

Up-rated Torsion Bars **NISS013** 1

• Minimum 60mm downward suspension travel required after adjustment

REAR SUSPENSION

SHOCK ABSORBER

Nitro Gas Comfort **12636GRC** 2

Nitro Gas **12636GR** 2

Foam Cell Comfort **24636FEC** 2

Foam Cell **24636FE** 2

LEAF SPRINGS

Est. Lift Additional Load

Comfort Drivers Side 40mm 0 - 100kg **NISS014AD/S** 1

Comfort Near Side 40mm 0 - 100kg **NISS014AN/S** 1

Performance Drivers Side 40mm 0 - 250kg **NISS014BD/S** 1

Performance Near Side 40mm 0 - 250kg **NISS014BN/S** 1

Constant Load Drivers Side 40mm 250kg - GVM **NISS014CD/S** 1

Constant Load Near Side 40mm 250kg - GVM **NISS014CN/S** 1

U-BOLTS

U-Bolt Kit **788UBK** 2

POLYURETHANE SPRING BUSHES

Bush Kit **704UK** 1

GREASABLE SHACKLES AND PINS

Greasable Shackle **797** 2

Greasable Pin **798** 2

HELPER SPRINGS

Load Plus Helper Springs **LP3** 1

Add-A-Leaf **ISL6010** 1

SUSPENSION KIT

Comfort w/ Gas Shocks **NISS014AKG**

Comfort w/ Foam Cell **NISS014AKF**

Performance w/ Gas Shocks **NISS014BKG**

Performance w/ Foam Cell **NISS014BKF**

Constant Load w/ Gas Shocks **NISS014CKG**

Constant Load w/ Foam Cell **NISS014CKF**

SUSPENSION KIT CONTENTS

Shock Absorbers Torsion Bars Polyurethane Spring Bushes
Leaf Springs U-Bolts

NAVARA

D22 / NP300 (Torsion Bar)

1997+



NISSAN

Product

Part No.

Qty Req

FRONT SUSPENSION

SHOCK ABSORBER

Nitro Gas 12791GR 2

• Upper control arm may contact shock absorber, grind away material on control arm for clearance

TORSION BAR

Up-rated Torsion Bars NISS025 1

• Minimum 60mm downward suspension travel required after adjustment

REAR SUSPENSION

SHOCK ABSORBER

Nitro Gas Comfort 12636GRC 2

Nitro Gas 12636GR 2

LEAF SPRINGS

	Est. Lift	Additional Load		
Comfort Drivers Side	40mm	0 - 100kg	NISS014AD/S	1
Comfort Near Side	40mm	0 - 100kg	NISS014AN/S	1
Performance Drivers Side	40mm	0 - 250kg	NISS014BD/S	1
Performance Near Side	40mm	0 - 250kg	NISS014BN/S	1
Constant Load Drivers Side	40mm	250kg - GVM	NISS014CD/S	1
Constant Load Near Side	40mm	250kg - GVM	NISS014CN/S	1

SUSPENSION KIT CONTENTS

Shock Absorbers	Torsion Bars	Polyurethane Spring Bushes
Leaf Springs	U-Bolts	



Product

Part No.

Qty Req

FRONT SUSPENSION

SHOCK ABSORBER

Nitro Gas Strut			12716GR	2
Foam Cell Strut			24716FE	2
Foam Cell Pro Strut			45716FE	2

• Height adjustable with Ironman 4x4 Strut Trim Packers

COIL SPRINGS

	Est. Lift	Additional Load		
Performance	35mm	0 - 50kg	NISS040B	1
Constant Load	35mm	50 - 110kg	NISS040C	1

STRUT MOUNTS

Steel Strut Top			ISST007	2
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TRIM PACKERS

5mm Strut Trim Packer	(Nitro Gas / Foam Cell)		HILFR05 / HILFR05F	2
10mm Strut Trim Packer	(Nitro Gas / Foam Cell)		HILFR10 / HILFR10F	2
15mm Strut Trim Packer	(Nitro Gas / Foam Cell)		HILFR15 / HILFR15F	2

• ONLY Compatible with Ironman 4x4 Struts (Except Pro), lift height subject to 1:2 motion ratio. Unnecessary fitment may lift vehicle too high

REAR SUSPENSION

SHOCK ABSORBER

Nitro Gas			12717GR	2
Foam Cell			24717FE	2
Foam Cell Pro			45717FE	2

LEAF SPRINGS

	Est. Lift	Additional Load		
Performance	40mm	0 - 300kg	NISS041B	2
Constant Load	40mm	300 - 500kg	NISS041C	2
Extra Constant Load	40mm	500kg - GVM	NISS041D	2

U-BOLTS

U-Bolt Kit	Suits NISS041B and NISS041C		437UBK	2
U-Bolt Kit Extra Long	Suits NISS041D		437UBKL	2

POLYURETHANE SPRING BUSHES

Bush Kit			769UK	1
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GREASABLE SHACKLES AND PINS

Greasable Shackle			797-1	2
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AXLE PROTECTION

ABS Wire and Axle Shield			IAP001	1
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HELPER SPRINGS

Load Plus Helper Springs			LP2	1
Add-A-Leaf			ISL6010	1

SUSPENSION KIT

Performance w/ Gas Shocks	NISS041BKG
Performance w/ Foam Cell	NISS041BKF
Performance w/ Foam Cell Pro	NISS041BKP
Constant Load w/ Gas Shocks	NISS041CKG
Constant Load w/ Foam Cell	NISS041CKF
Constant Load w/ Foam Cell Pro	NISS041CKP
Extra Constant Load w/ Gas Shocks	NISS041DKG
Extra Constant Load w/ Foam Cell	NISS041DKF
Extra Constant Load w/ Foam Cell Pro	NISS041DKP

• Specify front Coil Springs when ordering

SUSPENSION KIT CONTENTS

Shock Absorbers	Leaf Springs	Strut Shock Absorbers
Coil Springs	Polyurethane Spring Bushes	U-Bolts

NAVARA

D40 (V6 Diesel)
2005+



NISSAN

Product

Part No.

Qty Req

FRONT SUSPENSION

SHOCK ABSORBER

Nitro Gas Strut			12716GR	2
Foam Cell Strut			24716FE	2
Foam Cell Pro Strut			45716FE	2

• Height adjustable with Ironman 4x4 Strut Trim Packers

COIL SPRINGS

	Est. Lift	Additional Load		
Performance	35mm	0 - 50kg	NISS040C	1
Constant Load	35mm	50 - 110kg	NISS040D	1

STRUT MOUNTS

Steel Strut Top			ISST007	2
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TRIM PACKERS

5mm Strut Trim Packer	(Nitro Gas / Foam Cell)		HILFR05 / HILFR05F	2
10mm Strut Trim Packer	(Nitro Gas / Foam Cell)		HILFR10 / HILFR10F	2
15mm Strut Trim Packer	(Nitro Gas / Foam Cell)		HILFR15 / HILFR15F	2

• ONLY Compatible with Ironman 4x4 Struts (Except Pro), lift height subject to 1:2 motion ratio. Unnecessary fitment may lift vehicle too high

REAR SUSPENSION

SHOCK ABSORBER

Nitro Gas			12717GR	2
Foam Cell			24717FE	2
Foam Cell Pro			45717FE	2

LEAF SPRINGS

	Est. Lift	Additional Load		
Performance	40mm	0 - 300kg	NISS041B	2
Constant Load	40mm	300 - 500kg	NISS041C	2
Extra Constant Load	40mm	500kg - GVM	NISS041D	2

U-BOLTS

U-Bolt Kit	Suits NISS041B and NISS041C		437UBK	2
U-Bolt Kit Extra Long	Suits NISS041D		437UBKL	2

POLYURETHANE SPRING BUSHES

Bush Kit			769UK	1
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GREASABLE SHACKLES AND PINS

Greasable Shackle			797-1	2
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AXLE PROTECTION

ABS Wire and Axle Shield			IAP001	1
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HELPER SPRINGS

Load Plus Helper Springs			LP2	1
Add-A-Leaf			ISL6010	1

SUSPENSION KIT

Performance w/ Gas Shocks	NISS041BKG1
Performance w/ Foam Cell	NISS041BKF1
Performance w/ Foam Cell Pro	NISS041BKP1
Constant Load w/ Gas Shocks	NISS041CKG1
Constant Load w/ Foam Cell	NISS041CKF1
Constant Load w/ Foam Cell Pro	NISS041CKP1
Extra Constant Load w/ Gas Shocks	NISS041DKG1
Extra Constant Load w/ Foam Cell	NISS041DKF1
Extra Constant Load w/ Foam Cell Pro	NISS041DKP1

• Specify front Coil Springs when ordering

SUSPENSION KIT CONTENTS

Shock Absorbers	Leaf Springs	Polyurethane Spring Bushes
Coil Springs	U-Bolts	



Product

Part No.

**Qty
Req**

FRONT SUSPENSION

SHOCK ABSORBER

Nitro Gas Strut			12716GR	2
Foam Cell Strut			24716FE	2
Foam Cell Pro Strut			45716FE	2

• Height adjustable with Ironman 4x4 Strut Trim Packers

COIL SPRINGS

	Est. Lift	Additional Load		
Standard	0mm	0 - 50kg	NISS040A	1
Comfort	20mm	0 - 50kg	NISS040B	1
Performance	35mm	0 - 80kg	NISS040C	1
Constant Load	40mm	50 - 110kg	NISS040D	1

STRUT MOUNTS

Steel Strut Top			ISST007	2
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TRIM PACKERS

5mm Strut Trim Packer	(Nitro Gas / Foam Cell)		HILFR05 / HILFR05F	2
10mm Strut Trim Packer	(Nitro Gas / Foam Cell)		HILFR10 / HILFR10F	2
15mm Strut Trim Packer	(Nitro Gas / Foam Cell)		HILFR15 / HILFR15F	2

• ONLY Compatible with Ironman 4x4 Struts (Except Pro), lift height subject to 1:2 motion ratio. Unnecessary fitment may lift vehicle too high

REAR SUSPENSION

SHOCK ABSORBER

Nitro Gas Comfort			12698GRC	2
Nitro Gas			12698GR	2
Foam Cell Comfort			24698FEC	2
Foam Cell			24698FE	2
Foam Cell Pro Comfort			45698FEC	2
Foam Cell Pro			45698FE	2

LEAF SPRINGS

	Est. Lift	Additional Load		
Performance	40mm	0 - 300kg	NISS057B	2
Constant Load	40mm	300kg - GVM	NISS057C	2

U-BOLTS

U-Bolt Kit			1104UBK	2
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POLYURETHANE SPRING BUSHES

Bush Kit			704TUK	1
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GREASABLE SHACKLES AND PINS

Greasable Shackle			797-3	2
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HELPER SPRINGS

Load Plus Helper Springs			LP2	1
Add-A-Leaf			ISL6010	1

SUSPENSION KIT

Performance w/ Gas Shocks	NISS057BKG
Performance w/ Foam Cell	NISS057BKF
Performance w/ Foam Cell Pro	NISS057BKP
Constant Load w/ Gas Shocks	NISS057CKG
Constant Load w/ Foam Cell	NISS057CKF
Constant Load w/ Foam Cell Pro	NISS057CKP

• Specify front Coil Springs when ordering

SUSPENSION KIT CONTENTS

Shock Absorbers	Leaf Springs	Polyurethane Spring Bushes
Coil Springs	U-Bolts	

NAVARA

NP300 (Coil Springs)
2015+



NISSAN

Product

Part No.

Qty Req

FRONT SUSPENSION

SHOCK ABSORBER

Nitro Gas Strut			12716GR	2
Foam Cell Strut			24716FE	2
Foam Cell Pro Strut			45716FE	2

• Height adjustable with Ironman 4x4 Strut Trim Packers

COIL SPRINGS

	Est. Lift	Additional Load		
Standard	0mm	0 - 50kg	NISS040A	1
Comfort	20mm	0 - 50kg	NISS040B	1
Performance	35mm	0 - 80kg	NISS040C	1
Constant Load	40mm	50 - 110kg	NISS040D	1

STRUT MOUNTS

Steel Strut Top			ISST007	2
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TRIM PACKERS

5mm Strut Trim Packer	(Nitro Gas / Foam Cell)		HILFR05 / HILFR05F	2
10mm Strut Trim Packer	(Nitro Gas / Foam Cell)		HILFR10 / HILFR10F	2
15mm Strut Trim Packer	(Nitro Gas / Foam Cell)		HILFR15 / HILFR15F	2

• ONLY Compatible with Ironman 4x4 Struts (except Pro), lift height subject to 1:2 motion ratio. Unnecessary fitment may lift vehicle too high

REAR SUSPENSION

SHOCK ABSORBER

Nitro Gas			12728GR	2
Foam Cell			24728FE	2
Foam Cell Pro			45728FE	2
Foam Cell Pro Comfort			45728FEC	2

COIL SPRINGS

	Est. Lift	Additional Load		
Comfort	20mm	0 - 200kg	NISS058A	1
Performance	40mm	0 - 300kg	NISS058B	1
Constant Load	40mm	300kg - 600kg	NISS058C	1
Extra Constant Load	45mm	600kg - GVM	NISS058D	1

COIL SPACER

Polyurethane 20mm			NAVR20	2
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SPACER KIT

Sway Bar and Headlight Bracket Extension Kit			1204K	1
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SUSPENSION KIT

Performance w/ Gas Shocks	NISS058BKG
Performance w/ Foam Cell	NISS058BKF
Performance w/ Foam Cell Pro	NISS058BKP
Constant Load w/ Gas Shocks	NISS058CKG
Constant Load w/ Foam Cell	NISS058CKF
Constant Load w/ Foam Cell Pro	NISS058CKP
Extra Constant Load w/ Gas Shocks	NISS058DKG
Extra Constant Load w/ Foam Cell	NISS058DKF
Extra Constant Load w/ Foam Cell Pro	NISS058DKP

• Specify front Coil Springs when ordering

SUSPENSION KIT CONTENTS

Shock Absorbers	Coil Springs
Strut Shock Absorbers	





NISSAN

Product	Part No.	Qty Req
FRONT SUSPENSION		
SHOCK ABSORBER		
Nitro Gas	12791GR	2
TORSION BAR		
Up-rated Torsion Bars	NISS048	1
• Minimum 60mm downward suspension travel required after adjustment		
REAR SUSPENSION		
SHOCK ABSORBER		
Nitro Gas Comfort	12698GRC	2
Nitro Gas	12698GR	2
LEAF SPRINGS		
	Est. Lift	Additional Load
Performance	40mm	0 - 250kg
	NISS049B	2
U-BOLTS		
U-Bolt Kit	654UBK	2
POLYURETHANE SPRING BUSHES		
Bush Kit	769UKL	1
GREASABLE SHACKLES AND PINS		
Greasable Shackle	797-2	2
Greasable Pin	798	2
HELPER SPRINGS		
Load Plus Helper Springs	LP2	1
Add-A-Leaf	ISL6010	1
SUSPENSION KIT		
Performance w/ Gas Shocks	NISS049BKG	

SUSPENSION KIT CONTENTS

Shock Absorbers	U-Bolts	Shackles
Leaf Springs	Polyurethane Spring Bushes	



Product

Part No.

**Qty
Req**

FRONT SUSPENSION

SHOCK ABSORBER

Nitro Gas Strut			12716GR	2
Foam Cell Strut			24716FE	2
Foam Cell Pro Strut			45716FE	2

• Height adjustable with Ironman 4x4 Strut Trim Packers

COIL SPRINGS

	Est. Lift	Additional Load		
Performance	35mm	0 - 50kg	NISS040B	1
Constant Load	35mm	50 - 110kg	NISS040C	1

STRUT MOUNTS

Steel Strut Top			ISST007	2
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TRIM PACKERS

5mm Strut Trim Packer	(Nitro Gas / Foam Cell)		HILFR05 / HILFR05F	2
10mm Strut Trim Packer	(Nitro Gas / Foam Cell)		HILFR10 / HILFR10F	2
15mm Strut Trim Packer	(Nitro Gas / Foam Cell)		HILFR15 / HILFR15F	2

• ONLY Compatible with Ironman 4x4 Struts (Except Pro), lift height subject to 1:2 motion ratio. Unnecessary fitment may lift vehicle too high

REAR SUSPENSION

SHOCK ABSORBER

Nitro Gas			12717GR	2
Foam Cell			24717FE	2
Foam Cell Pro			45717FE	2

LEAF SPRINGS

	Est. Lift	Additional Load		
Performance	45mm	0 - 300kg	NISS047B	2

U-BOLTS

U-Bolt Kit			416UBK	2
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POLYURETHANE SPRING BUSHES

Bush Kit			769UK	1
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GREASABLE SHACKLES AND PINS

Greasable Shackle			797-1	2
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HELPER SPRINGS

Load Plus Helper Springs			LP2	1
Add-A-Leaf			ISL6010	1

SUSPENSION KIT

Performance w/ Gas Shocks		NISS047BKG
Performance w/ Foam Cell		NISS047BKF
Performance w/ Foam Cell Pro		NISS047BKP

• Specify front Coil Springs when ordering

SUSPENSION KIT CONTENTS

Shock Absorbers	Leaf Springs	Polyurethane Spring Bushes
Coil Springs	U-Bolts	

XTRAIL

T30

2001 - 9/2007



Product

Part No.

Qty Req

FRONT SUSPENSION

COIL SPRINGS

Performance

Est. Lift

35mm

Additional Load

0 - 50kg

NISS038B

1

CAMBER CORRECTION

Camber Bolt Kit

ICAMBER12

1

REAR SUSPENSION

COIL SPRINGS

Performance

Est. Lift

35mm

Additional Load

0 - 200kg

NISS039B

1

NISSAN



Product			Part No.	Qty Req
FRONT SUSPENSION				
SHOCK ABSORBER				
Nitro Gas Strut			12747GR	2
COIL SPRINGS				
Performance	Est. Lift 40mm	Additional Load 0 - 50kg	REN001B	1
CAMBER CORRECTION				
Camber Bolt Kit			ICAMBER12	1
REAR SUSPENSION				
SHOCK ABSORBER				
Nitro Gas Strut			12748GR	2
COIL SPRINGS				
Performance	Est. Lift 40mm	Additional Load 0 - 200kg	REN002B	1
CAMBER CORRECTION				
Camber Bolt Kit			ICAMBER12	1
SUSPENSION KIT				
Performance w/ Gas Shocks			REN001BKG	

SUSPENSION KIT CONTENTS

Strut Shock Absorbers Camber Correction
Coil Springs

MUSSO AND KORANDO

1996 - 2006



SSANGYONG

Product

Part No.

Qty Req

FRONT SUSPENSION

SHOCK ABSORBER

Nitro Gas	12667GR	2
Foam Cell	24667FE	2

TORSION BAR

Up-rated Torsion Bars	SSANG001	1
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• Minimum 60mm downward suspension travel required after adjustment

REAR SUSPENSION

SHOCK ABSORBER

Nitro Gas	12661GRS	2
Foam Cell	24661FES	2

COIL SPRINGS

	Est. Lift	Additional Load		
Performance	45mm	0 -200kg	SSANG002B	1

SUSPENSION KIT

Performance w/ Gas Shocks	SSANG002BKG
Performance w/ Foam Cell	SSANG002BKF

SUSPENSION KIT CONTENTS

Shock Absorbers	Torsion Bars
Coil Springs	



SIERRA

Samurai LJ, SJ (Leaf)
1981+

SUZUKI

Product

Part No.

**Qty
Req**

FRONT SUSPENSION

SHOCK ABSORBER

Nitro Gas **12085GR** 2

LEAF SPRINGS

Est. Lift Additional Load

Drivers side **SUZ001BD/S** 1
50mm 0 - 50kg

Near Side **SUZ001BN/S** 1
50mm 0 - 50kg

STEERING DAMPER

Foam Cell **3530** 1

U-BOLTS

U-Bolt Kit **654UBK** 1
Drivers side

U-Bolt Kit **655UBK** 1
Near side

POLYURETHANE SPRING BUSHES

Bush Kit **734UK** 1

REAR SUSPENSION

SHOCK ABSORBER

Nitro Gas **12086GR** 2

LEAF SPRINGS

Est. Lift Additional Load

Performance **SUZ002B** 2
50mm 0 - 200kg

Performance Optional +20mm **SUZ002BD/S** 1
50mm 0 - 200kg

• *Optional D/S spring to offset uneven weight distribution, eg. Spare Wheel*

U-BOLTS

U-Bolt Kit **655UBK** 2

POLYURETHANE SPRING BUSHES

Bush Kit **734UK** 1

HELPER SPRINGS

Load Plus Helper Springs **LP5** 1

SUSPENSION KIT

Performance w/ Gas Shocks **SUZ001BKG**

SUSPENSION KIT CONTENTS

Shock Absorbers U-Bolts
Leaf Springs Polyurethane Spring Bushes

SIERRA

SJ80 (Coil)

1997+



Product

Part No.

Qty Req

FRONT SUSPENSION

COIL SPRINGS

Performance

Est. Lift

35mm

Additional Load

0 -40kg

SUZ007B

1

OFFSET CASTER BUSH KIT

Offset Bush Kit

1146RK

1

REAR SUSPENSION

COIL SPRINGS

Performance

Est. Lift

35mm

Additional Load

0 -200kg

SUZ008B

1

SUZUKI



JIMNY

SN413

1998+

Product

Part No.

**Qty
Req**

FRONT SUSPENSION

SHOCK ABSORBER

Nitro Gas **12759GR** 2

STEERING DAMPER

Foam Cell Includes adaptor kit **3521S** 1

COIL SPRINGS

Performance Est. Lift Additional Load **SUZ009B** 1
50mm 0 -200kg

OFFSET CASTER BUSH KIT

Offset Bush Kit **1146RK** 1

REAR SUSPENSION

SHOCK ABSORBER

Nitro Gas **12760GR** 2

COIL SPRINGS

Performance Japan Spec Est. Lift Additional Load **SUZ010B** 1
50mm 0 -200kg

Performance Euro Spec 50mm 0 -200kg **SUZ011B** 1

• SUZ010B are staggered height for Japan Spec vehicles, SUZ011B are equal height for Euro spec vehicles

SUSPENSION KIT

Performance w/ Gas Shocks **SUZ009BKG**

• Specify rear Coil Springs when ordering

SUZUKI

SUSPENSION KIT CONTENTS

Shock Absorbers

Coil Springs



Product			Part No.	Qty Req
FRONT SUSPENSION				
SHOCK ABSORBER				
Nitro Gas Strut	Full replacement strut		12083GR	2
COIL SPRINGS				
	Est. Lift	Additional Load		
Performance SWB	35mm	0 - 50kg	SUZ003B	1
Performance LWB	35mm	0 - 50kg	SUZ005B	1
CAMBER CORRECTION				
Camber Bolt Kit			ICAMBER12	1
REAR SUSPENSION				
SHOCK ABSORBER				
Nitro Gas	SWB		12089GR	2
Nitro Gas	LWB		12658GR	2
COIL SPRINGS				
	Est. Lift	Additional Load		
Performance SWB	35mm	0 - 200kg	SUZ004B	1
Performance LWB	35mm	0 - 200kg	SUZ006B	1
SUSPENSION KIT				
Performance w/ Gas Shocks	SWB		SUZ003BKG	
Performance w/ Gas Shocks	LWB		SUZ005BKG	
<ul style="list-style-type: none"> •SWB suits short wheel base vehicles •LWB Suits long wheel base vehicles 				

SUSPENSION KIT CONTENTS

Shock Absorbers	Coil Springs
Strut Shock Absorbers	Camber Correction



Product	Part No.	Qty Req
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FRONT SUSPENSION

SHOCK ABSORBER

Nitro Gas Strut	Full replacement strut	12083GR	2
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COIL SPRINGS

	Est. Lift	Additional Load		
Performance 4 Cyl Carb	35mm	0 - 50kg	SUZ005B	1
Performance V6 / 4 Cyl Inj	35mm	0 - 50kg	SUZ015B	1
Performance XL7	35mm	0 - 50kg	SUZ017B	1

CAMBER CORRECTION

Camber Bolt Kit		ICAMBER12	1
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REAR SUSPENSION

SHOCK ABSORBER

Nitro Gas	SWB	12089GR	2
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Nitro Gas	LWB	12658GR	2
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COIL SPRINGS

	Est. Lift	Additional Load		
Performance SWB	35mm	0 - 200kg	SUZ013B	1
Performance LWB	35mm	0 - 200kg	SUZ016B	1
Performance XL7	35mm	0 - 200kg	SUZ018B	1

SUSPENSION KIT

Performance w/ Gas Shocks	SWB	SUZ013BKG
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Performance w/ Gas Shocks	LWB	SUZ016BKG
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Performance w/ Gas Shocks	XL7	SUZ018BKG
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•SWB suits short wheel base vehicles

•LWB Suits long wheel base vehicles

SUSPENSION KIT CONTENTS

Shock Absorbers	Coil Springs
Strut Shock Absorbers	Camber Correction

GRAND VITARA

8/2005-2015



SUZUKI

Product	Part No.	Qty Req
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FRONT SUSPENSION

SHOCK ABSORBER

Nitro Gas Strut	McPherson Strut	12721GR	2
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COIL SPRINGS

	Est. Lift	Additional Load		
Performance	40mm	0 - 50kg	SUZ019B	1
Constant Load or Diesel, or 2.7L	40mm	50 - 100kg	SUZ019C	1

CAMBER CORRECTION

Camber Bolt Kit		ICAMBER14	1
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REAR SUSPENSION

SHOCK ABSORBER

Nitro Gas		12722GR	2
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COIL SPRINGS

	Est. Lift	Additional Load		
Performance SWB (GV3)	40mm	0 - 200kg	SUZ020A	1
Performance LWB	40mm	0 - 200kg	SUZ020B	1

SUSPENSION KIT

Performance w/ Gas Shocks	SWB GV3	SUZ019AKG
Performance w/ Gas Shocks	LWB	SUZ019BKG

• SWB refers 3 door vehicles, LWB refers 5 door vehicles

• Monocoque constructed vehicles such as Suzuki Grand Vitara can be subject to increased NVH (Noise) with upgraded suspension installed

SUSPENSION KIT CONTENTS

Shock Absorbers	Coil Springs
Strut Shock Absorbers	Camber Correction

**FORESTER**SF5, GX, RX, GT
1997-2013**Product****Part No.****Qty
Req****FRONT SUSPENSION**

COIL SPRINGS	Est. Lift	Additional Load		
Performance 1997 - 2001	35mm	0 - 50kg	SUB001B	1
Performance 2002 - 2008	35mm	0 - 50kg	SUB003B	1
Performance 2008 - 2013	20mm	0 - 50kg	SUB005B	1
CAMBER CORRECTION				
Camber Bolt Kit			ICAMBER14	1

REAR SUSPENSION

COIL SPRINGS	Est. Lift	Additional Load		
Performance 1997 - 2001	35mm	0 - 200kg	SUB002B	1
Performance 2002 - 2008	35mm	0 - 200kg	SUB004B	1
Performance 2008 - 2013	20mm	0 - 200kg	SUB006B	1
<i>• Not suitable for self leveling suspension models</i>				
CAMBER CORRECTION				
Camber Bolt Kit			ICAMBER14	1

SUBARU

HILUX

Solid Front Axle
1979-10/1983



Product

Part No.

Qty Req

TOYOTA

FRONT SUSPENSION

SHOCK ABSORBER

Nitro Gas Comfort			12639GRC	2
Nitro Gas			12639GR	2
Foam Cell			24639FE	2

LEAF SPRINGS

	Est. Lift	Additional Load		
Petrol Drivers Side	50mm	0 - 50kg	TOY010BD/S	1
Petrol Near Side	50mm	0 - 50kg	TOY010BN/S	1
Diesel or Constant Load D/S	50mm	0 - 100kg	TOY010CD/S	1
Diesel or Constant Load N/S	50mm	0 - 100kg	TOY010CN/S	1

• Check clearance to drag link / u-bolt, an adjustable drag link may be required

STEERING DAMPER

Foam Cell			3521	1
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U-BOLTS

Drivers Side U-Bolt Kit			678UBK	1
Near Side U-Bolt Kit			437UBK	1

POLYURETHANE SPRING BUSHES

Bush Kit			732UK	1
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GREASABLE SHACKLES AND PINS

Greasable Shackle			384	2
Greasable Pin			385	2

REAR SUSPENSION

SHOCK ABSORBER

Nitro Gas Comfort			12636GRC	2
Nitro Gas			12636GR	2
Foam Cell Comfort			24636FEC	2
Foam Cell			24636FE	2

LEAF SPRINGS

	Est. Lift	Additional Load		
Performance	50mm	0 - 300kg	TOY011B	2
Constant Load	50mm	300kg - GVM	TOY011C	2

U-BOLTS

U-Bolt Kit			437UBK	2
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POLYURETHANE SPRING BUSHES

Bush Kit			733UK	1
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GREASABLE SHACKLES AND PINS

Greasable Shackle			386	2
Greasable Shackle	Extended 5mm		386-2	2
Greasable Pin			385	2

HELPER SPRINGS

Load Plus Helper Springs			LP2	1
Add-A-Leaf			ISL6010	1

SUSPENSION KIT

Performance w/ Gas Shocks	TOY010BKG1
Performance w/ Foam Cell	TOY010BKF1
Constant Load w/ Gas Shocks	TOY010CKG1
Constant Load w/ Foam Cell	TOY010CKF1

• Specify front Leaf Springs when ordering

SUSPENSION KIT CONTENTS

Shock Absorbers	U-Bolts
Leaf Springs	Polyurethane Spring Bushes



HILUX

Solid Front Axle
11/1983-11/1997

TOYOTA

Product	Part No.	Qty Req
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FRONT SUSPENSION

SHOCK ABSORBER

Nitro Gas Comfort	12639GRC	2
Nitro Gas	12639GR	2
Foam Cell	24639FE	2

LEAF SPRINGS

	Est. Lift	Additional Load		
Petrol Drivers Side	50mm	0 - 50kg	TOY010BD/S	1
Petrol Near Side	50mm	0 - 50kg	TOY010BN/S	1
Diesel or Constant Load D/S	50mm	0 - 100kg	TOY010CD/S	1
Diesel or Constant Load N/S	50mm	0 - 100kg	TOY010CN/S	1

• Check clearance to drag link / u-bolt, an adjustable drag link may be required

STEERING DAMPER

Foam Cell	3521	1
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U-BOLTS

Drivers Side U-Bolt Kit	678UBK	1
Near Side U-Bolt Kit	437UBK	1

POLYURETHANE SPRING BUSHES

Bush Kit	732UK	1
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GREASABLE SHACKLES AND PINS

Greasable Shackle	384	2
Greasable Pin	385	2

REAR SUSPENSION

SHOCK ABSORBER

Nitro Gas Comfort	12650GRC	2
Nitro Gas	12650GR	2
Foam Cell Comfort	24650FEC	2
Foam Cell	24650FE	2

LEAF SPRINGS

	Est. Lift	Additional Load		
Performance	50mm	0 - 300kg	TOY011B	2
Constant Load	50mm	300kg - GVM	TOY011C	2

U-BOLTS

U-Bolt Kit	437UBK	2
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POLYURETHANE SPRING BUSHES

Bush Kit	733UK	1
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GREASABLE SHACKLES AND PINS

Greasable Shackle	386	2
Greasable Shackle	Extended 5mm 386-2	2
Greasable Pin	385	2

HELPER SPRINGS

Load Plus Helper Springs	LP2	1
Add-A-Leaf	ISL6010	1

SUSPENSION KIT

Performance w/ Gas Shocks	TOY010BKG2
Performance w/ Foam Cell	TOY010BKF2
Constant Load w/ Gas Shocks	TOY010CKG2
Constant Load w/ Foam Cell	TOY010CKF2

• Specify front Leaf Springs when ordering

SUSPENSION KIT CONTENTS

Shock Absorbers	U-Bolts
Leaf Springs	Polyurethane Spring Bushes

HILUX

Tiger 107, 108, 110, 111, 167
1997-2005



TOYOTA

Product

Part No.

Qty Req

FRONT SUSPENSION

SHOCK ABSORBER

Nitro Gas		12088GR	2
Foam Cell		24088FE	2

TORSION BAR

Uprated Torsion Bars		TOY026	1
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• Minimum 60mm downward suspension travel required after adjustment

STEERING DAMPER

Foam Cell		3533	1
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• Check clearance to engine sump when fitting steering damper

REAR SUSPENSION

SHOCK ABSORBER

Nitro Gas Comfort		12081GRC	2
Nitro Gas		12081GR	2
Foam Cell Comfort		24081FEC	2
Foam Cell		24081FE	2

LEAF SPRINGS

	Est. Lift	Additional Load		
Comfort	40mm	0 -100kg	TOY027A	2
Performance	40mm	0 -200kg	TOY027B	2
Constant Load	40mm	200kg - GVM	TOY027C	2

• 1300mm Leaf Length

U-BOLTS

U-Bolt Kit		437UBK	2
U-Bolt Kit Extra long	Suits TOY027A Spring	437UBKL	2

POLYURETHANE SPRING BUSHES

Bush Kit		758UK	1
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GREASABLE SHACKLES AND PINS

Greasable Shackle	Stepped Shackle	386-1	2
Non-Greasable Pin		387-1	2

HELPER SPRINGS

Load Plus Helper Springs		LP2	1
Add-A-Leaf		ISL6010	1

SUSPENSION KIT

Comfort w/ Gas Shocks	TOY027AKG
Comfort w/ Foam Cell	TOY027AKF
Performance w/ Gas Shocks	TOY027BKG
Performance w/ Foam Cell	TOY027BKF
Constant Load w/ Gas Shocks	TOY027CKG
Constant Load w/ Foam Cell	TOY027CKF

SUSPENSION KIT CONTENTS

Shock Absorbers	Torsion Bars	Polyurethane Spring Bushes
Leaf Springs	U-Bolts	



4RUNNER

Gen 1, N60 (Leaf)
1988-1997

TOYOTA

Product	Part No.	Qty Req
FRONT SUSPENSION		
SHOCK ABSORBER		
Nitro Gas	12088GR	2
Foam Cell	24088FE	2
TORSION BAR		
Up-rated Torsion Bars	TOY026	1
• Minimum 60mm downward suspension travel required after adjustment		
STEERING DAMPER		
Foam Cell	3533	1
REAR SUSPENSION		
SHOCK ABSORBER		
Nitro Gas Comfort	12650GRC	2
Nitro Gas	12650GR	2
Foam Cell Comfort	24650FEC	2
Foam Cell	24650FE	2
LEAF SPRINGS		
	Est. Lift	Additional Load
Performance	50mm	0 -300kg
Constant Load	50mm	300kg - GVM
• 1200mm Leaf Length		
U-BOLTS		
U-Bolt Kit	437UBK	2
POLYURETHANE SPRING BUSHES		
Bush Kit	733UK	1
GREASABLE SHACKLES AND PINS		
Greasable Shackle	Straight Shackle	386
Greasable Shackle	Straight Shackle Extended 5mm	386-2
Greasable Pin		385
HELPER SPRINGS		
Load Plus Helper Springs	LP2	1
Add-A-Leaf	ISL6010	1
SUSPENSION KIT		
Performance w/ Gas Shocks	TOY011BKG	
Performance w/ Foam Cell	TOY011BKF	
Constant Load w/ Gas Shocks	TOY011CKG	
Constant Load w/ Foam Cell	TOY011CKF	

SUSPENSION KIT CONTENTS

Shock Absorbers	Torsion Bars	Polyurethane Spring Bushes
Leaf Springs	U-Bolts	

4RUNNER / SURF

Gen 2, N130 V6 (Coil)
1990-1997



TOYOTA

Product	Part No.	Qty Req
FRONT SUSPENSION		
SHOCK ABSORBER		
Nitro Gas	12088GR	2
Foam Cell	24088FE	2
TORSION BAR		
Up-rated Torsion Bars	TOY026	1
• Minimum 60mm downward suspension travel required after adjustment.		
STEERING DAMPER		
Foam Cell	3533	1
REAR SUSPENSION		
SHOCK ABSORBER		
Nitro Gas Comfort	12637GRC	2
Nitro Gas	12637GR	2
Foam Cell Comfort	24637FEC	2
Foam Cell	24637FE	2
COIL SPRINGS		
	Est. Lift	Additional Load
Performance	45mm	0 -200kg
Constant Load	45mm	200kg - GVM
		TOY023B
		TOY023C
		1
		1
SUSPENSION KIT		
Performance w/ Gas Shocks	TOY023BKG	
Performance w/ Foam Cell	TOY023BKF	
Constant Load w/ Gas Shocks	TOY023CKG	
Constant Load w/ Foam Cell	TOY023CKF	

SUSPENSION KIT CONTENTS

Shock Absorbers Torsion Bars
Coil Springs



4RUNNER

Gen 3, N180-N185

1996-2002

TOYOTA

Product

Part No.

Qty Req

FRONT SUSPENSION

SHOCK ABSORBER

Nitro Gas Strut			12691GR	2
Foam Cell Strut			24691FE	2
Foam Cell Pro Strut			45691FE	2

• Height adjustable with Ironman 4x4 Strut Trim Packers.

COIL SPRINGS

	Est. Lift	Additional Load		
Performance	45mm	0 - 50kg	TOY038B	1
Constant Load	45mm	50 - 110kg	TOY038C	1

STRUT MOUNTS

Steel Strut Top			ISST001	2
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TRIM PACKERS

5mm Strut Trim Packer	(Nitro Gas / Foam Cell)		HILFR05 / HILFR05F	2
10mm Strut Trim Packer	(Nitro Gas / Foam Cell)		HILFR10 / HILFR10F	2
15mm Strut Trim Packer	(Nitro Gas / Foam Cell)		HILFR15 / HILFR15F	2

• ONLY Compatible with Ironman 4x4 Struts (except Pro), lift height subject to 1:2 motion ratio. Unnecessary fitment may lift vehicle too high

REAR SUSPENSION

SHOCK ABSORBER

Nitro Gas			12661GR	2
Foam Cell			24661FE	2
Foam Cell Pro			45661FE	2

COIL SPRINGS

	Est. Lift	Additional Load		
Comfort	30mm	0 - 200kg	TOY039A	1
Performance	45mm	0 - 300kg	TOY039B	1
Constant Load	45mm	300kg - GVM	TOY039C	1

COIL SPACER

Polyurethane 20mm			LCF20	2
Polyurethane 30mm			LCF30	2

SUSPENSION KIT

Comfort w/ Gas Shocks	TOY038AKG
Comfort w/ Foam Cell	TOY038AKF
Comfort w/ Foam Cell Pro	TOY038AKP
Performance w/ Gas Shocks	TOY038BKG
Performance w/ Foam Cell	TOY038BKF
Performance w/ Foam Cell Pro	TOY038BKP
Constant Load w/ Gas Shocks	TOY038BKG1
Constant Load w/ Foam Cell	TOY038BKF1
Constant Load w/ Foam Cell Pro	TOY038BKP1

SUSPENSION KIT CONTENTS

Shock Absorbers	Coil Springs
Strut Shock Absorbers	

4RUNNER

Gen 4 and 5, N210-N280
2003+



Product

Part No.

Qty Req

TOYOTA

FRONT SUSPENSION

SHOCK ABSORBER

Nitro Gas Strut			12710GR	2
Foam Cell Strut			24710FE	2
Foam Cell Pro Strut			45710FE	2

• Height adjustable with Ironman 4x4 Strut Trim Packers.

COIL SPRINGS

	Est. Lift	Additional Load		
Comfort	30mm	0 - 50kg	TOY055B	1
Performance	45mm	0 - 50kg	TOY065B	1
Constant Load	45mm	50 - 110kg	TOY065C	1

STRUT MOUNTS

Steel Strut Top			ISST001	2
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TRIM PACKERS

5mm Strut Trim Packer	(Nitro Gas / Foam Cell)		HILFR05 / HILFR05F	2
10mm Strut Trim Packer	(Nitro Gas / Foam Cell)		HILFR10 / HILFR10F	2
15mm Strut Trim Packer	(Nitro Gas / Foam Cell)		HILFR15 / HILFR15F	2

• ONLY Compatible with Ironman 4x4 Struts (except Pro), lift height subject to 1:2 motion ratio. Unnecessary fitment may lift vehicle too high

SPACER KIT

Sway Bar Spacer			1198K	1
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REAR SUSPENSION

SHOCK ABSORBER

Nitro Gas			12682GRC	2
Foam Cell			24682FEC	2
Foam Cell Pro			45682FEC	2

COIL SPRINGS

	Est. Lift	Additional Load		
Comfort	30mm	0 - 300kg	TOY056A	1
Performance	45mm	0 - 300kg	TOY056B	1
Constant Load	45mm	300kg - GVM	TOY056C	1

COIL SPACER

Polyurethane 20mm			LCPR20	2
Polyurethane 25mm			LCPR25	2

SWAY BAR LINK

Extended Sway Bar Link			SBEXT006	2
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SUSPENSION KIT

Comfort w/ Gas Shocks	TOY055AKG
Comfort w/ Foam Cell	TOY055AKF
Comfort w/ Foam Cell Pro	TOY055AKP
Performance w/ Gas Shocks	TOY055BKG
Performance w/ Foam Cell	TOY055BKF
Performance w/ Foam Cell Pro	TOY055BKP
Constant Load w/ Gas Shocks	TOY055CKG
Constant Load w/ Foam Cell	TOY055CKF
Constant Load w/ Foam Cell Pro	TOY055CKP

SUSPENSION KIT CONTENTS

Shock Absorbers	Coil Springs
Strut Shock Absorbers	



Product	Part No.	Qty Req
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FRONT SUSPENSION

SHOCK ABSORBER

Nitro Gas Strut	Left Hand Side	12764GR LH	1
Nitro Gas Strut	Right Hand Side	12764GR RH	1

• Height adjustable with Ironman 4x4 Strut Trim Packers.

COIL SPRINGS

	Est. Lift	Additional Load		
Performance	40mm	0 -50kg	TOY067B	1

TRIM PACKERS

5mm Nitro Gas Strut Trim Packer	HILFR05	2
10mm Nitro Gas Strut Trim Packer	HILFR10	2
15mm Nitro Gas Strut Trim Packer	HILFR15	2

• ONLY Compatible with Ironman 4x4 Struts, lift height subject to 1:2 motion ratio. Unnecessary fitment may lift vehicle too high

REAR SUSPENSION

SHOCK ABSORBER

Nitro Gas Comfort	12650GRC	2
Nitro Gas	12650GR	2
Foam Cell Comfort	24650FEC	2
Foam Cell	24650FE	2

LEAF SPRINGS

	Est. Lift	Additional Load		
Performance	45mm	0 -200kg	TOY068B	2
Constant Load	45mm	200 - 400kg	TOY068C	2

U-BOLTS

U-Bolt Kit	415UBK	2
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POLYURETHANE SPRING BUSHES

Bush Kit	(14mm Front Bolt)	767UK	1
Bush Kit	(23mm Front Pin with Side Plate)	1151UK	1

GREASABLE SHACKLES AND PINS

Greasable Shackle	386-3	2
Non-Greasable Pin	387-1	2

• 14mm Pin

HELPER SPRINGS

Load Plus Helper Springs	LP2	1
Add-A-Leaf	ISL6010	1

SUSPENSION KIT

Performance w/ Gas Shocks	TOY068BKG
Constant Load w/ Gas Shocks	TOY068CKG

• Specify Leaf Springs front bush I/D before ordering

SUSPENSION KIT CONTENTS

Shock Absorbers	Coil Springs	U-Bolts
Strut Shock Absorbers	Leaf Springs	Polyurethane Spring Bushes



Product

Part No.

Qty Req

FRONT SUSPENSION

SHOCK ABSORBER

Nitro Gas Strut			12710GR	2
Foam Cell Strut			24710FE	2
Foam Cell Pro Strut			45710FE	2

• Height adjustable with Ironman 4x4 Strut Trim Packers

COIL SPRINGS

	Est. Lift	Additional Load		
Comfort	40mm	0 - 50kg	TOY055A	1
Performance	45mm	0 - 50kg	TOY055B	1
Constant Load	45mm	50 - 110kg	TOY055C	1

STRUT MOUNTS

Steel Strut Top			ISST001	2
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TRIM PACKERS

5mm Strut Trim Packer	(Nitro Gas / Foam Cell)		HILFR05 / HILFR05F	2
10mm Strut Trim Packer	(Nitro Gas / Foam Cell)		HILFR10 / HILFR10F	2
15mm Strut Trim Packer	(Nitro Gas / Foam Cell)		HILFR15 / HILFR15F	2

• ONLY Compatible with Ironman 4x4 Struts (except Pro), lift height subject to 1:2 motion ratio. Unnecessary fitment may lift vehicle too high

SPACER KIT

Sway Bar Spacer			1198K	1
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REAR SUSPENSION

SHOCK ABSORBER

Nitro Gas Comfort			12650GRC	2
Nitro Gas			12650GR	2
Foam Cell Comfort			24650FEC	2
Foam Cell			24650FE	2
Foam Cell Pro Comfort			45650FEC	2
Foam Cell Pro			45650FE	2
Nitro Gas Extra Long Comfort			12081GRC	2
Nitro Gas Extra Long			12081GR	2
Foam Cell Extra Long Comfort			24081FEC	2
Foam Cell Extra Long			24081FE	2
Foam Cell Pro Extra Long Comfort			45081FEC	2
Foam Cell Pro Extra Long			45081FE	2

LEAF SPRINGS

	Est. Lift	Additional Load		
Comfort	45mm	0 - 100kg	TOY057A	2
Performance	45mm	0 - 200kg	TOY057B	2
Constant Load	45mm	200 - 400kg	TOY057C	2
Extra Constant Load	45mm	400kg - GVM	TOY057D	2

U-BOLTS

U-Bolt Kit			437UBK	2
U-Bolt Kit Extra Long	Suits TOY057A Spring		437UBKL	2

POLYURETHANE SPRING BUSHES

Bush Kit			767UK	1
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GREASABLE SHACKLES AND PINS

Greasable Shackle			386-3	2
Non-Greasable Pin			387-1	2

HELPER SPRINGS

Load Plus Helper Springs			LP2	1
Add-A-Leaf			ISL6010	1

Listing continued on following page



Product

Part No.

Qty Req

SUSPENSION KIT

- Comfort w/ Gas Shocks
 - Comfort w/ Foam Cell Shocks
 - Comfort w/ Foam Cell Pro Shocks
 - Performance w/ Gas Shocks
 - Performance w/ Foam Cell Shocks
 - Performance w/ Foam Cell Pro Shocks
 - Constant Load w/ Gas Shocks
 - Constant Load w/ Foam Cell Shocks
 - Constant Load w/ Foam Cell Pro Shocks
 - Extra Constant Load w/ Gas Shocks
 - Extra Constant Load w/ Foam Cell Shocks
 - Extra Constant Load w/ Foam Cell Pro Shocks
- Specify Front Coil Springs when ordering

- TOY057AKG
- TOY057AKF
- TOY057AKP
- TOY057BKG
- TOY057BKF
- TOY057BKP
- TOY057CKG
- TOY057CKF
- TOY057CKP
- TOY057DKG
- TOY057DKF
- TOY057DKP

GVM UPGRADE

- 3350kg Pre Registration w/ Foam Cell Shocks
- 3350kg Post Registration w/ Foam Cell Shocks
- 3350kg Pre Registration w/ Foam Cell Shocks
- 3350kg Post Registration w/ Foam Cell Shocks
- 3350kg Pre Registration w/ Foam Cell Pro Shocks
- 3350kg Post Registration w/ Foam Cell Pro Shocks
- 3350kg Pre Registration w/ Foam Cell Pro Shocks
- 3350kg Post Registration w/ Foam Cell Pro Shocks

- Temporary Load
- Temporary Load
- Permanent Load
- Permanent Load
- Temporary Load
- Temporary Load
- Permanent Load
- Permanent Load

- TOY057CKFGVM
- TOY057CKFGVM1
- TOY057DKFGVM
- TOY057DKFGVM1
- TOY057CKPGVM
- TOY057CKPGVM1
- TOY057DKPGVM
- TOY057DKPGVM1

• Australian Customers Only
 • Only available through authorised Ironman 4x4 GVM upgrade installers



SUSPENSION KIT CONTENTS

- Shock Absorbers
- Strut Shock Absorbers
- Coil Springs
- Leaf Springs
- U-Bolts
- Polyurethane Spring Bushes

GVM UPGRADE KIT CONTENTS

- Shock Absorbers
- Strut Shock Absorbers
- Coil Springs
- Leaf Springs
- U-Bolts
- Polyurethane Spring Bushes
- Greasable Shackles
- Compliance Plate
- Tyre Placard



Product

Part No.

Qty Req

TOYOTA

FRONT SUSPENSION

SHOCK ABSORBER

Nitro Gas Strut			12730GR	2
Foam Cell Strut			24730FE	2
Foam Cell Pro Strut			45730FE	2

• Height adjustable with Ironman 4x4 Strut Trim Packers

• Operating clearance to sway bar can be increased by loosening sway bar / chassis bolts and pushing sway bar fully forward

COIL SPRINGS

	Est. Lift	Additional Load		
Standard	0mm	0 - 50kg	TOY055A	1
Comfort	20mm	0 - 50kg	TOY055B	1
Performance	35mm	0 - 50kg	TOY055C	1
Performance with Accessories	40mm	0 - 50kg	TOY065B	1
Constant Load	45mm	50 - 110kg	TOY065C	1

STRUT MOUNTS

Steel Strut Top			ISST001	2
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TRIM PACKERS

5mm Strut Trim Packer	(Nitro Gas / Foam Cell)		HILFR05 / HILFR05F	2
10mm Strut Trim Packer	(Nitro Gas / Foam Cell)		HILFR10 / HILFR10F	2
15mm Strut Trim Packer	(Nitro Gas / Foam Cell)		HILFR15 / HILFR15F	2

• ONLY Compatible with Ironman 4x4 Struts (except Pro), lift height subject to 1:2 motion ratio. Unnecessary fitment may lift vehicle too high

REAR SUSPENSION

SHOCK ABSORBER

Nitro Gas Comfort			12081GRC	2
Nitro Gas			12081GR	2
Foam Cell Comfort			24081FEC	2
Foam Cell			24081FE	2
Foam Cell Pro Comfort			45081FEC	2
Foam Cell Pro			45081FE	2

LEAF SPRINGS

	Est. Lift	Additional Load		
Comfort	40mm	0 - 100kg	TOY077A	2
Performance	45mm	0 - 200kg	TOY077B	2
Constant Load	45mm	200 - 400kg	TOY077C	2
Extra Constant Load	45mm	400kg - GVM	TOY077D	2

• New spring pins 387-1 may be required, as OEM orientation may require cutting for removal

U-BOLTS

U-Bolt Kit			437UBKL	2
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POLYURETHANE SPRING BUSHES

Bush Kit			767UK	1
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SPACER KIT

Centre Bearing Spacer Kit			1192K	1
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GREASABLE SHACKLES AND PINS

Greasable Shackle			1155	2
Non-Greasable Pin			387-1	2

HELPER SPRINGS

Load Plus Helper Springs			LP2	1
Add-A-Leaf			ISL6010	1

Listing continued on following page



Product

Part No.

Qty Req

SUSPENSION KIT

- Comfort w/ Gas Shocks
 - Comfort w/ Foam Cell Shocks
 - Comfort w/ Foam Cell Pro Shocks
 - Performance w/ Gas Shocks
 - Performance w/ Foam Cell Shocks
 - Performance w/ Foam Cell Pro Shocks
 - Constant Load w/ Gas Shocks
 - Constant Load w/ Foam Cell Shocks
 - Constant Load w/ Foam Cell Pro Shocks
 - Extra Constant Load w/ Gas Shocks
 - Extra Constant Load w/ Foam Cell Shocks
 - Extra Constant Load w/ Foam Cell Pro Shocks
- Specify Front Coil Springs when ordering

- TOY077AKG
- TOY077AKF
- TOY077AKP
- TOY077BKG
- TOY077BKF
- TOY077BKP
- TOY077CKG
- TOY077CKF
- TOY077CKP
- TOY077DKG
- TOY077DKF
- TOY077DKP

GVM UPGRADE

- | | |
|--|-------------------|
| 3510kg Temporary Load Foam Cell Shocks | Pre-Registration |
| 3510kg Temporary Load Foam Cell Shocks | Post Registration |
| 3510kg Temporary Load Foam Cell Pro Shocks | Pre-Registration |
| 3510kg Temporary Load Foam Cell Pro Shocks | Post Registration |
| 3510kg Permanent Load Foam Cell Shocks | Pre-Registration |
| 3510kg Permanent Load Foam Cell Shocks | Post Registration |
| 3510kg Permanent Load Foam Cell Pro Shocks | Pre-Registration |
| 3510kg Permanent Load Foam Cell Pro Shocks | Post Registration |

- TOY077CKFGVM
- TOY077CKFGVM1
- TOY077CKPGVM
- TOY077CKPGVM1
- TOY077DKFGVM
- TOY077DKFGVM1
- TOY077DKPGVM
- TOY077DKPGVM1

- Australian Customers Only
- Only available through authorised Ironman 4x4 GVM upgrade installers
- Plus engineering fee - Post Registration Only



SUSPENSION KIT CONTENTS

- | | |
|-----------------------|----------------------------|
| Shock Absorbers | U-Bolts |
| Strut Shock Absorbers | Polyurethane Spring Bushes |
| Coil Springs | Non-Greasable Pins |
| Leaf Springs | |

GVM UPGRADE KIT CONTENTS

- | | |
|-----------------------|----------------------------|
| Shock Absorbers | Polyurethane Spring Bushes |
| Strut Shock Absorbers | Greasable Shackles |
| Coil Springs | Non-Greasable Pins |
| Leaf Springs | Compliance Plate |
| U-Bolts | Tyre Placard |

LANDCRUISER

40 Series
1960-1980



TOYOTA

Product

Part No.

Qty Req

FRONT SUSPENSION

SHOCK ABSORBER

Nitro Gas Comfort			12635GRC	2
Nitro Gas			12635GR	2
Foam Cell Comfort			24635FEC	2
Foam Cell			24635FE	2
Foam Cell Pro			45635FE	2

LEAF SPRINGS

	Est. Lift	Additional Load		
Performance	50mm	0 - 100kg	TOY001B	2

STEERING DAMPER

Foam Cell			3523	1
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U-BOLTS

U-Bolt Kit			415UBK	2
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POLYURETHANE SPRING BUSHES

Bush Kit			713UK	1
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GREASABLE SHACKLES AND PINS

Greasable Shackle	Left Hand Side		343LH	1
Greasable Shackle	Right Hand Side		343RH	1
Greasable Pin			346	2

REAR SUSPENSION

SHOCK ABSORBER

Nitro Gas Comfort			12636GRC	2
Nitro Gas			12636GR	2
Foam Cell Comfort			24636FEC	2
Foam Cell			24636FE	2
Foam Cell Pro Comfort			45636FEC	2
Foam Cell Pro			45636FE	2

LEAF SPRINGS

	Est. Lift	Additional Load		
Performance	50mm	0 - 200kg	TOY002B	2

U-BOLTS

U-Bolt Kit			415UBK	2
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POLYURETHANE SPRING BUSHES

Bush Kit			713UK	1
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GREASABLE SHACKLES AND PINS

Greasable Shackle	Left Hand Side		343RH	1
Greasable Shackle	Right Hand Side		343LH	1
Greasable Pin			346	2

HELPER SPRINGS

Load Plus Helper Springs			LP4	1
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SUSPENSION KIT

Performance w/ Gas Shocks	TOY001BKG
Performance w/ Foam Cell	TOY001BKF
Performance w/ Foam Cell Pro	TOY001BKP

SUSPENSION KIT CONTENTS

Shock Absorbers	U-Bolts
Leaf Springs	Polyurethane Spring Bushes



LANDCRUISER

40, 42, 46 Series
1980-1984

TOYOTA

Product	Part No.	Qty Req
FRONT SUSPENSION		
SHOCK ABSORBER		
Nitro Gas Comfort	12635GRC	2
Nitro Gas	12635GR	2
Foam Cell Comfort	24635FEC	2
Foam Cell	24635FE	2
Foam Cell Pro	45635FE	2
LEAF SPRINGS	Est. Lift	Additional Load
Performance	50mm	0 - 80kg
Constant Load	50mm	80 - 120kg
STEERING DAMPER		
Foam Cell	3523	1
U-BOLTS		
U-Bolt Kit	415UBK	2
POLYURETHANE SPRING BUSHES		
Bush Kit	719UK	1
GREASABLE SHACKLES AND PINS		
Greasable Shackle	Left Hand Side	348LH
Greasable Shackle	Right Hand Side	348RH
Greasable Pin		351
REAR SUSPENSION		
SHOCK ABSORBER		
Nitro Gas Comfort	12636GRC	2
Nitro Gas	12636GR	2
Foam Cell Comfort	24636FEC	2
Foam Cell	24636FE	2
Foam Cell Pro Comfort	45636FEC	2
Foam Cell Pro	45636FE	2
LEAF SPRINGS	Est. Lift	Additional Load
Constant Load	50mm	0 - 200kg
U-BOLTS		
U-Bolt Kit	415UBK	2
POLYURETHANE SPRING BUSHES		
Bush Kit	719UK	1
GREASABLE SHACKLES AND PINS		
Greasable Shackle	Left Hand Side	348RH
Greasable Shackle	Right Hand Side	348LH
Greasable Pin		351
HELPER SPRINGS		
Load Plus Helper Springs	LP4	1
SUSPENSION KIT		
Performance w/ Gas Shocks	TOY004BKG	
Performance w/ Foam Cell	TOY004BKF	
Performance w/ Foam Cell Pro	TOY004BKP	

SUSPENSION KIT CONTENTS

Shock Absorbers U-Bolts
Leaf Springs Polyurethane Spring Bushes

LANDCRUISER

45 Series
1960-1980



Product

Part No.

Qty Req

TOYOTA

FRONT SUSPENSION

SHOCK ABSORBER

Nitro Gas Comfort			12635GRC	2
Nitro Gas			12635GR	2
Foam Cell Comfort			24635FEC	2
Foam Cell			24635FE	2
Foam Cell Pro			45635FE	2

LEAF SPRINGS

	Est. Lift	Additional Load		
Performance	50mm	0 - 100kg	TOY001B	2

STEERING DAMPER

Foam Cell			3523	1
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U-BOLTS

U-Bolt Kit			415UBK	2
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POLYURETHANE SPRING BUSHES

Bush Kit			713UK	1
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GREASABLE SHACKLES AND PINS

Greasable Shackle	Left Hand Side		343LH	1
Greasable Shackle	Right Hand Side		343RH	1
Greasable Pin			346	2

REAR SUSPENSION

SHOCK ABSORBER

Nitro Gas Comfort			12636GRC	2
Nitro Gas			12636GR	2
Foam Cell Comfort			24636FEC	2
Foam Cell			24636FE	2
Foam Cell Pro Comfort			45636FEC	2
Foam Cell Pro			45636FE	2

LEAF SPRINGS

	Est. Lift	Additional Load		
Constant Load	50mm	0 - 400kg	TOY003C	2

U-BOLTS

U-Bolt Kit			415UBK	2
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POLYURETHANE SPRING BUSHES

Bush Kit			714UK	1
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GREASABLE SHACKLES AND PINS

Greasable Shackle	Left Hand Side		344	1
Greasable Shackle	Right Hand Side		345	1
Greasable Pin			347	2

HELPER SPRINGS

Load Plus Helper Springs			LP4	1
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SUSPENSION KIT

Constant Load w/ Gas Shocks	TOY003BKG
Constant Load w/ Foam Cell	TOY003BKF
Constant Load w/ Foam Cell	TOY003BKP

SUSPENSION KIT CONTENTS

Shock Absorbers	U-Bolts
Leaf Springs	Polyurethane Spring Bushes



Product	Part No.	Qty Req
FRONT SUSPENSION		
SHOCK ABSORBER		
Nitro Gas Comfort	12635GRC	2
Nitro Gas	12635GR	2
Foam Cell Comfort	24635FEC	2
Foam Cell	24635FE	2
Foam Cell Pro	45635FE	2
LEAF SPRINGS	Est. Lift	Additional Load
Performance	50mm	0 - 80kg
Constant Load	50mm	80 - 120kg
STEERING DAMPER		
Foam Cell	3523	1
U-BOLTS		
U-Bolt Kit	Drivers Side	449UBK
U-Bolt Kit	Near Side	415UBK
POLYURETHANE SPRING BUSHES		
Bush Kit	719UK	1
GREASABLE SHACKLES AND PINS		
Greasable Shackle	Left Hand Side	348LH
Greasable Shackle	Right Hand Side	348RH
Greasable Pin		351
REAR SUSPENSION		
SHOCK ABSORBER		
Nitro Gas Comfort	12636GRC	2
Nitro Gas	12636GR	2
Foam Cell Comfort	24636FEC	2
Foam Cell	24636FE	2
Foam Cell Pro Comfort	45636FEC	2
Foam Cell Pro	45636FE	2
LEAF SPRINGS	Est. Lift	Additional Load
Performance	50mm	0 - 400kg
U-BOLTS		
U-Bolt Kit	415UBK	2
POLYURETHANE SPRING BUSHES		
Bush Kit	719UK	1
GREASABLE SHACKLES AND PINS		
Greasable Shackle	Left Hand Side	353LH
Greasable Shackle	Right Hand Side	353RH
Greasable Pin		351
HELPER SPRINGS		
Load Plus Helper Springs	LP4	1
SUSPENSION KIT		
Constant Load w/ Gas Shocks	TOY005BKG	
Constant Load w/ Foam Cell	TOY005BKF	
Constant Load w/ Foam Cell	TOY005BKP	

SUSPENSION KIT CONTENTS

Shock Absorbers	U-Bolts
Leaf Springs	Polyurethane Spring Bushes

LANDCRUISER

60 Series
Pre 1986



TOYOTA

Product

Part No.

Qty Req

FRONT SUSPENSION

SHOCK ABSORBER

Nitro Gas Comfort			12637GRC	2
Nitro Gas			12637GR	2
Foam Cell Comfort			24637FEC	2
Foam Cell			24637FE	2
Foam Cell Pro Comfort			45637FEC	2
Foam Cell Pro			45637FE	2

LEAF SPRINGS

	Est. Lift	Additional Load		
Petrol	50mm	0 - 80kg	TOY006B	2
Diesel or Bullbar	50mm	50 - 100kg	TOY006C	2
Turbo Diesel	50mm	50 - 100kg	TOY006D	2

STEERING DAMPER

Foam Cell			3524	1
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U-BOLTS

U-Bolt Kit			436UBK	2
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POLYURETHANE SPRING BUSHES

Bush Kit			719UK	1
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GREASABLE SHACKLES AND PINS

Greasable Shackle	Left Hand Side		348LH	1
Greasable Shackle	Right Hand Side		348RH	1
Greasable Pin			351	2

REAR SUSPENSION

SHOCK ABSORBER

Nitro Gas Comfort			12636GRC	2
Nitro Gas			12636GR	2
Foam Cell Comfort			24636FEC	2
Foam Cell			24636FE	2
Foam Cell Pro Comfort			45636FEC	2
Foam Cell Pro			45636FE	2

LEAF SPRINGS

	Est. Lift	Additional Load		
Comfort Drivers side	50mm	0 - 200kg	TOY007AD/S	1
Comfort Near side	50mm	0 - 200kg	TOY007AN/S	1
Performance Drivers side	50mm	0 - 200kg	TOY007BD/S	1
Performance Near side	50mm	0 - 200kg	TOY007BN/S	1
Constant Load Drivers side	50mm	200kg - GVM	TOY007CD/S	1
Constant Load Near side	50mm	200kg - GVM	TOY007CN/S	1

• Side hinge barn door models may require (D/S-D/S) or (N/S-N/S) rear spring configuration to maintain level

U-BOLTS

U-Bolt Kit			415UBK	2
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POLYURETHANE SPRING BUSHES

Bush Kit			719UK	1
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GREASABLE SHACKLES AND PINS

Greasable Shackle	Left Hand Side		353LH	1
Greasable Shackle	Right Hand Side		353RH	1
Greasable Pin			351	2

HELPER SPRINGS

Load Plus Helper Springs			LP4	1
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Listing continued on following page



Product

Part No.

**Qty
Req**

SUSPENSION KIT

Comfort Petrol w/ Gas Shocks
 Comfort Petrol w/ Foam Cell
 Comfort Petrol w/ Foam Cell Pro
 Comfort Diesel w/ Gas Shocks
 Comfort Diesel w/ Foam Cell
 Comfort Diesel w/ Foam Cell Pro
 Performance Petrol w/ Gas Shocks
 Performance Petrol w/ Foam Cell
 Performance Petrol w/ Foam Cell Pro
 Performance Diesel w/ Gas Shocks
 Performance Diesel w/ Foam Cell
 Performance Diesel w/ Foam Cell Pro
 Constant Load Petrol w/ Gas Shocks
 Constant Load Petrol w/ Foam Cell
 Constant Load Petrol w/ Foam Cell Pro
 Constant Load Diesel w/ Gas Shocks
 Constant Load Diesel w/ Foam Cell
 Constant Load Diesel w/ Foam Cell Pro

TOY006AKG
 TOY006AKF
 TOY006AKP
 TOY006AKG1
 TOY006AKF1
 TOY006AKP1
 TOY006BKG1
 TOY006BKF1
 TOY006BKP1
 TOY006CKG1
 TOY006CKF1
 TOY006CKP1
 TOY007BKG1
 TOY007BKF1
 TOY007BKP1
 TOY007CKG1
 TOY007CKF1
 TOY007CKP1

TOYOTA

SUSPENSION KIT CONTENTS

Shock Absorbers U-Bolts
 Leaf Springs Polyurethane Spring Bushes

LANDCRUISER

60 Series
1986+



Product

Part No.

Qty Req

TOYOTA

FRONT SUSPENSION

SHOCK ABSORBER

Nitro Gas Comfort			12637GRC	2
Nitro Gas			12637GR	2
Foam Cell Comfort			24637FEC	2
Foam Cell			24637FE	2
Foam Cell Pro Comfort			45637FEC	2
Foam Cell Pro			45637FE	2

LEAF SPRINGS

	Est. Lift	Additional Load		
Petrol	50mm	0 - 80kg	TOY006B	2
Diesel or Bullbar	50mm	50 - 100kg	TOY006C	2
Turbo Diesel	50mm	50 - 100kg	TOY006D	2

STEERING DAMPER

Foam Cell			3524	1
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U-BOLTS

U-Bolt Kit			436UBK	2
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POLYURETHANE SPRING BUSHES

Bush Kit			719UK	1
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GREASABLE SHACKLES AND PINS

Greasable Shackle	Left Hand Side		348LH	1
Greasable Shackle	Right Hand Side		348RH	1
Greasable Pin			351	2

REAR SUSPENSION

SHOCK ABSORBER

Nitro Gas Comfort			12650GRC	2
Nitro Gas			12650GR	2
Foam Cell Comfort			24650FEC	2
Foam Cell			24650FE	2
Foam Cell Pro Comfort			45650FEC	2
Foam Cell Pro			45650FE	2

LEAF SPRINGS

	Est. Lift	Additional Load		
Comfort Drivers side	50mm	0 - 200kg	TOY007AD/S	1
Comfort Near side	50mm	0 - 200kg	TOY007AN/S	1
Performance Drivers side	50mm	0 - 200kg	TOY007BD/S	1
Performance Near side	50mm	0 - 200kg	TOY007BN/S	1
Constant Load Drivers side	50mm	200kg - GVM	TOY007CD/S	1
Constant Load Near side	50mm	200kg - GVM	TOY007CN/S	1

• Side hinge barn door models may require (D/S-D/S) or (N/S-N/S) rear spring configuration to maintain level

U-BOLTS

U-Bolt Kit			415UBK	2
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POLYURETHANE SPRING BUSHES

Bush Kit			719UK	1
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GREASABLE SHACKLES AND PINS

Greasable Shackle	Left Hand Side		353LH	1
Greasable Shackle	Right Hand Side		353RH	1
Greasable Pin			351	2

HELPER SPRINGS

Load Plus Helper Springs			LP4	1
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Listing continued on following page



Product

Part No.

**Qty
Req**

SUSPENSION KIT

Comfort Petrol w/ Gas Shocks	TOY006AKG3	
Comfort Petrol w/ Foam Cell	TOY006AKF3	
Comfort Petrol w/ Foam Cell Pro	TOY006AKP3	
Comfort Diesel w/ Gas Shocks	TOY006AKG2	
Comfort Diesel w/ Foam Cell	TOY006AKF2	
Comfort Diesel w/ Foam Cell Pro	TOY006AKP2	
Performance Petrol w/ Gas Shocks	TOY006BKG2	
Performance Petrol w/ Foam Cell	TOY006BKF2	
Performance Petrol w/ Foam Cell Pro	TOY006BKP2	
Performance Diesel w/ Gas Shocks	TOY006CKG2	
Performance Diesel w/ Foam Cell	TOY006CKF2	
Performance Diesel w/ Foam Cell Pro	TOY006CKP2	
Constant Load Petrol w/ Gas Shocks	TOY007BKG2	
Constant Load Petrol w/ Foam Cell	TOY007BKF2	
Constant Load Petrol w/ Foam Cell Pro	TOY007BKP2	
Constant Load Diesel w/ Gas Shocks	TOY007CKG2	
Constant Load Diesel w/ Foam Cell	TOY007CKF2	
Constant Load Diesel w/ Foam Cell Pro	TOY007CKP2	

TOYOTA

SUSPENSION KIT CONTENTS

Shock Absorbers	U-Bolts
Leaf Springs	Polyurethane Spring Bushes

LANDCRUISER

70, 73, 74 Series (Leaf, Leaf)
1984-1988



Product

Part No.

Qty Req

TOYOTA

FRONT SUSPENSION

SHOCK ABSORBER

Nitro Gas Comfort			12637GRC	2
Nitro Gas			12637GR	2
Foam Cell Comfort			24637FEC	2
Foam Cell			24637FE	2
Foam Cell Pro Comfort			45637FEC	2
Foam Cell Pro			45637FE	2

LEAF SPRINGS

	Est. Lift	Additional Load		
Performance	50mm	0 - 100kg	TOY008B	2

STEERING DAMPER

Foam Cell			3524	1
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U-BOLTS

U-Bolt Kit			436UBK	2
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POLYURETHANE SPRING BUSHES

Bush Kit			719UK	1
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GREASABLE SHACKLES AND PINS

Greasable Shackle	Left Hand Side		348LH	1
Greasable Shackle	Right Hand Side		348RH	1
Greasable Pin			351	2

REAR SUSPENSION

SHOCK ABSORBER

Nitro Gas Comfort			12650GRC	2
Nitro Gas			12650GR	2
Foam Cell Comfort			24650FEC	2
Foam Cell			24650FE	2
Foam Cell Pro Comfort			45650FEC	2
Foam Cell Pro			45650FE	2

LEAF SPRINGS

	Est. Lift	Additional Load		
Comfort	50mm	0 - 200kg	TOY007AN/S	2
Performance	50mm	0 - 200kg	TOY007BN/S	2

U-BOLTS

U-Bolt Kit			415UBK	2
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POLYURETHANE SPRING BUSHES

Bush Kit			719UK	1
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GREASABLE SHACKLES AND PINS

Greasable Shackle	Left Hand Side		353LH	1
Greasable Shackle	Right Hand Side		353RH	1
Greasable Pin			354	2

HELPER SPRINGS

Load Plus Helper Springs			LP4	1
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SUSPENSION KIT

Comfort w/ Gas Shocks	TOY016AKG
Comfort w/ Foam Cell	TOY016AKF
Comfort w/ Foam Cell Pro	TOY016AKP
Performance w/ Gas Shocks	TOY016BKG
Performance w/ Foam Cell	TOY016BKF
Performance w/ Foam Cell Pro	TOY016BKP

SUSPENSION KIT CONTENTS

Shock Absorbers	U-Bolts
Leaf Springs	Polyurethane Spring Bushes



Product			Part No.	Qty Req
FRONT SUSPENSION				
SHOCK ABSORBER				
Nitro Gas			12091GR	2
Foam Cell			24091FE	2
COIL SPRINGS				
	Est. Lift	Additional Load		
Performance	50mm	0 - 50kg	TOY018B	1
STEERING DAMPER				
Foam Cell			3524	1
REAR SUSPENSION				
SHOCK ABSORBER				
Nitro Gas	Left Hand Side		12639GRS	1
Nitro Gas	Right Hand Side		12650GR	1
Foam Cell	Left Hand Side		24639FES	1
Foam Cell	Right Hand Side		24650FE	1
COIL SPRINGS				
	Est. Lift	Additional Load		
Performance	50mm	0 - 200kg	TOY019B	1
SUSPENSION KIT				
Performance w/ Gas Shocks			TOY018BKG	
Performance w/ Foam Cell			TOY018BKF	

SUSPENSION KIT CONTENTS

- Shock Absorbers
- Coil Springs

LANDCRUISER II

Prado 70, 73, 78 Series
1990-1996



TOYOTA

Product	Part No.	Qty Req		
FRONT SUSPENSION				
SHOCK ABSORBER				
Nitro Gas	12696GR	2		
Foam Cell	24696FE	2		
COIL SPRINGS				
	Est. Lift	Additional Load		
Performance	50mm	0 - 50kg	TOY048B	1
Constant Load	50mm	50 - 100kg	TOY048C	1
STEERING DAMPER				
Foam Cell	3524	1		
REAR SUSPENSION				
SHOCK ABSORBER				
Nitro Gas	12697GR	2		
Foam Cell	24697FE	2		
COIL SPRINGS				
	Est. Lift	Additional Load		
Performance MWB	50mm	0 - 150kg	TOY049B	1
Constant Load or LWB	50mm	150 - 300kg	TOY049C	1
SUSPENSION KIT				
Performance w/ Gas Shocks	TOY048BKG			
Performance w/ Foam Cell	TOY048BKF			
Constant Load w/ Gas Shocks	TOY048CKG			
Constant Load w/ Foam Cell	TOY048CKF			

SUSPENSION KIT CONTENTS

Shock Absorbers
Coil Springs



Product

Part No.

**Qty
Req**

FRONT SUSPENSION

SHOCK ABSORBER

Nitro Gas			12091GR	2
Foam Cell			24091FE	2
Foam Cell Pro			45091FE	2

COIL SPRINGS

	Est. Lift	Additional Load		
Performance	40mm	0 - 50kg	TOY046A	1
Performance	50mm	0 - 50kg	TOY046B	1
Constant Load	50mm	50 - 110kg	TOY046C	1

STEERING DAMPER

Foam Cell			3525	1
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CASTER CORRECTION

2° Offset Bush Kit			1144SK	1
Adjustable STD, 2.5, 3.5 Degree Offset			1144	1

SWAY BAR LINK

Extended Sway Bar Link			SBEXT001	2
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COIL SPACER

Polyurethane 30mm			LC70F30	2
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REAR SUSPENSION

SHOCK ABSORBER

Nitro Gas Comfort			12081GRC	2
Nitro Gas			12081GR	2
Foam Cell Comfort			24081FEC	2
Foam Cell			24081FE	2
Foam Cell Pro Comfort			45081FEC	2
Foam Cell Pro			45081FE	2

LEAF SPRINGS

	Est. Lift	Additional Load		
Comfort	50mm	0 -150kg	TOY007AD/S	2
Performance	50mm	0 -250kg	TOY007BD/S	2
Constant Load	50mm	250kg - GVM	TOY007CD/S	2

U-BOLTS

U-Bolt Kit			415UBK	2
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POLYURETHANE SPRING BUSHES

Bush Kit			1185UK	1
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GREASABLE SHACKLES AND PINS

Greasable Shackle			1141-1	2
Greasable Shackle	Extra long		1141	2
Greasable Pin			1142	2

SUSPENSION KIT

Comfort w/ Gas Shocks		TOY058AKG
Comfort w/ Foam Cell		TOY058AKF
Comfort w/ Foam Cell Pro		TOY058AKP
Performance w/ Gas Shocks		TOY058BKG
Performance w/ Foam Cell		TOY058BKF
Performance w/ Foam Cell Pro		TOY058BKP
Constant Load w/ Gas Shocks		TOY058CKG
Constant Load w/ Foam Cell		TOY058CKF
Constant Load w/ Foam Cell Pro		TOY058CKP

SUSPENSION KIT CONTENTS

Shock Absorbers	Leaf Springs	Polyurethane Spring Bushes
Coil Springs	U-Bolts	

LANDCRUISER

75 Series
1984-1999



Product

Part No.

Qty Req

TOYOTA

FRONT SUSPENSION

SHOCK ABSORBER

Nitro Gas Comfort			12637GRC	2
Nitro Gas			12637GR	2
Foam Cell Comfort			24637FEC	2
Foam Cell			24637FE	2
Foam Cell Pro Comfort			45637FEC	2
Foam Cell Pro			45637FE	2

LEAF SPRINGS

	Est. Lift	Additional Load		
Performance	50mm	0 - 50kg	TOY008B	2
Constant Load	50mm	50 - 100kg	TOY008C	2

STEERING DAMPER

Foam Cell			3524	1
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U-BOLTS

U-Bolt Kit			436UBK	2
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POLYURETHANE SPRING BUSHES

Bush Kit			719UK	1
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GREASABLE SHACKLES AND PINS

Greasable Shackle	Left Hand Side		348LH	1
Greasable Shackle	Right Hand Side		348RH	1
Greasable Pin			351	2

REAR SUSPENSION

SHOCK ABSORBER

Nitro Gas Comfort			12081GRC	2
Nitro Gas			12081GR	2
Foam Cell Comfort			24081FEC	2
Foam Cell			24081FE	2
Foam Cell Pro Comfort			45081FEC	2
Foam Cell Pro			45081FE	2

LEAF SPRINGS

	Est. Lift	Additional Load		
Performance	50mm	0 - 200kg	TOY009B	2
Constant Load	50mm	200 - 400kg	TOY009C	2
Extra Constant Load	50mm	400 - 600kg	TOY009D	2
Extra Heavy Constant Load	50mm	600kg - GVM	TOY009E	2

U-BOLTS

U-Bolt Kit			416UBK	2
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POLYURETHANE SPRING BUSHES

Bush Kit			720UK	1
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GREASABLE SHACKLES AND PINS

Greasable Shackle	Left Hand Side		353LH	1
Greasable Shackle	Right Hand Side		353RH	1
Greasable Pin			354	2

HELPER SPRINGS

Load Plus Helper Springs	Drum Brake Models Only		LP4	1
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SUSPENSION KIT

Performance w/ Gas Shocks	TOY008BKG
Performance w/ Foam Cell	TOY008BKF
Performance w/ Foam Cell Pro	TOY008BKP
Constant Load w/ Gas Shocks	TOY008CKG
Constant Load w/ Foam Cell	TOY008CKF
Constant Load w/ Foam Cell Pro	TOY008CKP
Extra Constant Load w/ Gas Shocks	TOY009DKG
Extra Constant Load w/ Foam Cell	TOY009DKF
Extra Constant Load w/ Foam Cell Pro	TOY009DKP
Extra Heavy Constant Load w/ Gas Shocks	TOY009EKG
Extra Heavy Constant Load w/ Foam Cell	TOY009EKF
Extra Heavy Constant Load w/ Foam Cell Pro	TOY009EKP

SUSPENSION KIT CONTENTS

Shock Absorbers	U-Bolts
Leaf Springs	Polyurethane Spring Bushes



Product

Part No.

Qty Req

FRONT SUSPENSION

SHOCK ABSORBER

Nitro Gas			12091GR	2
Foam Cell			24091FE	2
Foam Cell Pro			45091FE	2

COIL SPRINGS

	Est. Lift	Additional Load		
Performance	40mm	0 - 50kg	TOY046A	1
Performance	50mm	0 - 50kg	TOY046B	1
Constant Load	50mm	50 - 110kg	TOY046C	1

STEERING DAMPER

Foam Cell			3525	1
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CASTER CORRECTION

2° Offset Bush Kit			1144SK	1
Adjustable Offset STD, 2.5, 3.5 Degree			1144	1

PANHARD ROD

Adjustable Panhard Rod	RHD Only		PANHARD013	1
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SWAY BAR LINK

Extended Sway Bar Link			SBEXT001	2
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COIL SPACER

Polyurethane 30mm			LC70F30	2
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REAR SUSPENSION

SHOCK ABSORBER

Nitro Gas			12094GR	2
Foam Cell			24094FE	2
Foam Cell Extra Long			24094LFE	2
Foam Cell Pro			45094FE	2
Foam Cell Pro Extra Long			45094LFE	2

LEAF SPRINGS

	Est. Lift	Additional Load		
Performance	50mm	0 - 300kg	TOY062B	2
Constant Load	50mm	300 - 600kg	TOY062C	2
Extra Constant Load	50mm	600kg - GVM	TOY062D	2

U-BOLTS

U-Bolt Kit			416UBK	2
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POLYURETHANE SPRING BUSHES

Bush Kit			1085UK	1
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GREASABLE SHACKLES AND PINS

Greasable Shackle			1141-1	2
Greasable Shackle Extended 20mm			1141	2
Greasable Pin			1142	2

HELPER SPRINGS

Load Plus Helper Springs			LP4	1
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SUSPENSION KIT

Performance w/ Gas Shocks	TOY062BKG
Performance w/ Foam Cell	TOY062BKF
Performance w/ Foam Cell Pro	TOY062BKP
Constant Load w/ Gas Shocks	TOY062CKG
Constant Load w/ Foam Cell	TOY062CKF
Constant Load w/ Foam Cell Pro	TOY062CKP
Extra Constant Load w/ Gas Shocks	TOY062DKG
Extra Constant Load w/ Foam Cell	TOY062DKF
Extra Constant Load w/ Foam Cell Pro	TOY062DKP

SUSPENSION KIT CONTENTS

Shock Absorbers	Leaf Springs	Polyurethane Spring Bushes
Coil Springs	U-Bolts	

LANDCRUISER

78 Series
1999+



TOYOTA

Product

Part No.

Qty Req

FRONT SUSPENSION

SHOCK ABSORBER

Nitro Gas			12091GR	2
Foam Cell			24091FE	2
Foam Cell Pro			45091FE	2

COIL SPRINGS

	Est. Lift	Additional Load		
Comfort	40mm	0 - 50kg	TOY046A	1
Performance	50mm	0 - 50kg	TOY046B	1
Constant Load	50mm	50 - 110kg	TOY046C	1

STEERING DAMPER

Foam Cell	1999-2006	3524	1
Foam Cell	2007+	3525	1

CASTER CORRECTION

2° Offset Bush Kit		1144SK	1
Adjustable Offset STD, 2.5, 3.5 Degree		1144	1

PANHARD ROD

Adjustable Panhard Rod	2007+ RHD Only	PANHARD013	1
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SWAY BAR LINK

Extended Sway Bar Link		SBEXT001	2
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COIL SPACER

Polyurethane 30mm		LC70F30	2
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REAR SUSPENSION

SHOCK ABSORBER

Nitro Gas		12094GR	2
Foam Cell		24094FE	2
Foam Cell Extra Long		24094LFE	2
Foam Cell Pro		45094FE	2
Foam Cell Pro Extra Long		45094LFE	2

LEAF SPRINGS

	Est. Lift	Additional Load		
Comfort	50mm	0 - 150kg	TOY047A	2
Performance	50mm	0 - 250kg	TOY047B	2
Constant Load	50mm	250 - 400kg	TOY047C	2
Extra Constant Load	50mm	400kg - 600kg	TOY047D	2
Extra Heavy Constant Load	50mm	600kg - GVM	TOY047E	2

U-BOLTS

U-Bolt Kit		416UBK	2
U-Bolt Kit Extra Long	Suit TOY047D and TOY047E Spring	416UBKL	2

POLYURETHANE SPRING BUSHES

Bush Kit		1084UK	1
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GREASABLE SHACKLES AND PINS

Greasable Shackle		1141	2
Greasable Pin		1142	2

HELPER SPRINGS

Load Plus Helper Springs	Drum Brake Models Only	LP9	1
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Listing continued on following page



Product

Part No.

**Qty
Req**

SUSPENSION KIT

Comfort w/ Gas Shocks	TOY046AKG
Comfort w/ Foam Cell Shocks	TOY046AKF
Comfort w/ Foam Cell Pro Shocks	TOY046AKP
Performance w/ Gas Shocks	TOY046BKG
Performance w/ Foam Cell Shocks	TOY046BKF
Performance w/ Foam Cell Pro Shocks	TOY046BKP
Constant Load w/ Gas Shocks	TOY046CKG
Constant Load w/ Foam Cell Shocks	TOY046CKF
Constant Load w/ Foam Cell Pro Shocks	TOY046CKP
Extra Constant Load w/ Gas Shocks	TOY046DKG
Extra Constant Load w/ Foam Cell Shocks	TOY046DKF
Extra Constant Load w/ Foam Cell Pro Shocks	TOY046DKP
Extra Heavy Constant Load w/ Foam Cell Shocks	TOY046EKF
Extra Heavy Constant Load w/ Foam Cell Pro Shocks	TOY046EKP

GVM UPGRADE

3900kg Pre Registration w/ Foam Cell Shocks	Temporary Load	TOY047CKFGVM
3900kg Post Registration w/ Foam Cell Shocks	Temporary Load	TOY047CKFGVM1
3900kg Pre Registration w/ Foam Cell Shocks	Frequent Load	TOY047DKFGVM
3900kg Post Registration w/ Foam Cell Shocks	Frequent Load	TOY047DKFGVM1
3900kg Pre Registration w/ Foam Cell Shocks	Permanent Load	TOY047EKFGVM
3900kg Post Registration w/ Foam Cell Shocks	Permanent Load	TOY047EKFGVM1
3900kg Pre Registration w/ Foam Cell Pro Shocks	Temporary Load	TOY047CKPGVM
3900kg Post Registration w/ Foam Cell Pro Shocks	Temporary Load	TOY047CKPGVM1
3900kg Pre Registration w/ Foam Cell Pro Shocks	Frequent Load	TOY047DKPGVM
3900kg Post Registration w/ Foam Cell Pro Shocks	Frequent Load	TOY047DKPGVM1
3900kg Pre Registration w/ Foam Cell Pro Shocks	Permanent Load	TOY047EKPGVM
3900kg Post Registration w/ Foam Cell Pro Shocks	Permanent Load	TOY047EKPGVM1

• Australian Customers Only

SUSPENSION KIT CONTENTS

Shock Absorbers	U-Bolts
Coil Springs	Polyurethane Spring Bushes
Leaf Springs	

GVM UPGRADE KIT CONTENTS

Shock Absorbers	U-Bolts	Compliance Plate
Coil Springs	Polyurethane Spring Bushes	Tyre Placard
Leaf Springs	Greasable Shackles	

LANDCRUISER

79 Series
1999+



TOYOTA

Product

Part No.

Qty Req

FRONT SUSPENSION

SHOCK ABSORBER

Nitro Gas			12091GR	2
Foam Cell			24091FE	2
Foam Cell Pro			45091FE	2

COIL SPRINGS

	Est. Lift	Additional Load		
Comfort	40mm	0 - 50kg	TOY046A	1
Performance	50mm	0 - 50kg	TOY046B	1
Constant Load	50mm	50 - 110kg	TOY046C	1

STEERING DAMPER

Foam Cell	1999-2006	3524	1
Foam Cell	2007+	3525	1

CASTER CORRECTION

2° Offset Bush Kit		1144SK	1
Adjustable Offset STD, 2.5, 3.5 Degree		1144	1

PANHARD ROD

Adjustable Panhard Rod	2007+ RHD Only	PANHARD013	1
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SWAY BAR LINK

Extended Sway Bar Link		SBEXT001	2
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COIL SPACER

Polyurethane 30mm		LC70F30	2
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REAR SUSPENSION

SHOCK ABSORBER

Nitro Gas		12094GR	2
Foam Cell		24094FE	2
Foam Cell Extra Long		24094LFE	2
Foam Cell Pro		45094FE	2
Foam Cell Pro Extra Long		45094LFE	2

LEAF SPRINGS

	Est. Lift	Additional Load		
Comfort	50mm	0 - 150kg	TOY047A	2
Performance	50mm	0 - 250kg	TOY047B	2
Constant Load	50mm	250 - 400kg	TOY047C	2
Extra Constant Load	50mm	400kg - 600kg	TOY047D	2
Extra Heavy Constant Load	50mm	600kg - GVM	TOY047E	2

U-BOLTS

U-Bolt Kit		416UBK	2
U-Bolt Kit Extra Long	Suit TOY047D and TOY047E Spring	416UBKL	2

POLYURETHANE SPRING BUSHES

Bush Kit		1085UK	1
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GREASABLE SHACKLES AND PINS

Greasable Shackle		1141	2
Greasable Pin		1142	2

HELPER SPRINGS

Load Plus Helper Springs	Drum Brake Models Only	LP9	1
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Listing continued on following page



Product

Part No.

Qty Req

SUSPENSION KIT

Comfort w/ Gas Shocks	TOY046AKG1
Comfort w/ Foam Cell	TOY046AKF1
Comfort w/ Foam Cell Pro	TOY046AKP1
Performance w/ Gas Shocks	TOY046BKG1
Performance w/ Foam Cell	TOY046BKF1
Performance w/ Foam Cell Pro	TOY046BKP1
Constant Load w/ Gas Shocks	TOY046CKG1
Constant Load w/ Foam Cell	TOY046CKF1
Constant Load w/ Foam Cell Pro	TOY046CKP1
Extra Constant Load w/ Gas Shocks	TOY046DKG1
Extra Constant Load w/ Foam Cell	TOY046DKF1
Extra Constant Load w/ Foam Cell Pro	TOY046DKP1
Extra Heavy Constant Load w/ Foam Cell	TOY046EKF1
Extra Heavy Constant Load w/ Foam Cell Pro	TOY046EKP1

GVM UPGRADE

3900kg Pre Registration w/ Foam Cell Shocks	Temporary Load	TOY047CKFGVM
3900kg Post Registration w/ Foam Cell Shocks	Temporary Load	TOY047CKFGVM1
3900kg Pre Registration w/ Foam Cell Shocks	Frequent Load	TOY047DKFGVM
3900kg Post Registration w/ Foam Cell Shocks	Frequent Load	TOY047DKFGVM1
3900kg Pre Registration w/ Foam Cell Shocks	Permanent Load	TOY047EKGVM
3900kg Post Registration w/ Foam Cell Shocks	Permanent Load	TOY047EKGVM1
3900kg Pre Registration w/ Foam Cell Pro Shocks	Temporary Load	TOY047CKPGVM
3900kg Post Registration w/ Foam Cell Pro Shocks	Temporary Load	TOY047CKPGVM1
3900kg Pre Registration w/ Foam Cell Pro Shocks	Frequent Load	TOY047DKPGVM
3900kg Post Registration w/ Foam Cell Pro Shocks	Frequent Load	TOY047DKPGVM1
3900kg Pre Registration w/ Foam Cell Pro Shocks	Permanent Load	TOY047EKPGVM
3900kg Post Registration w/ Foam Cell Pro Shocks	Permanent Load	TOY047EKPGVM1

- Australian Customers Only
- Only available through authorised Ironman 4x4 GVM upgrade installers



SUSPENSION KIT CONTENTS

Shock Absorbers	U-Bolts
Coil Springs	Polyurethane Spring Bushes
Leaf Springs	

GVM UPGRADE KIT CONTENTS

Shock Absorbers	U-Bolts	Compliance Plate
Coil Springs	Polyurethane Spring Bushes	Tyre Placard
Leaf Springs	Greasable Shackles	

LANDCRUISER

79 Series Dual Cab
2013+



TOYOTA

Product

Part No.

Qty Req

FRONT SUSPENSION

SHOCK ABSORBER

Nitro Gas			12091GR	2
Foam Cell			24091FE	2
Foam Cell Pro			45091FE	2

COIL SPRINGS

	Est. Lift	Additional Load		
Comfort	40mm	0 - 50kg	TOY046A	1
Performance	50mm	0 - 50kg	TOY046B	1
Constant Load	50mm	50 - 110kg	TOY046C	1

STEERING DAMPER

Foam Cell			3525	1
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CASTER CORRECTION

2° Offset Bush Kit			1144SK	1
Adjustable Offset STD, 2.5, 3.5 Degree			1144	1

PANHARD ROD

Adjustable Panhard Rod	RHD Only		PANHARD013	1
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SWAY BAR LINK

Extended Sway Bar Link			SBEXT001	2
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COIL SPACER

Polyurethane 30mm			LC70F30	2
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REAR SUSPENSION

SHOCK ABSORBER

Nitro Gas			12094GR	2
Foam Cell			24094FE	2
Foam Cell Extra Long			24094LFE	2
Foam Cell Pro			45094FE	2
Foam Cell Pro Extra Long			45094LFE	2

LEAF SPRINGS

	Est. Lift	Additional Load		
Comfort	50mm	0 - 250kg	TOY047B	2
Performance	50mm	0 - 300kg	TOY047C	2
Constant Load	50mm	300kg - 500kg	TOY047D	2
Extra Constant Load	50mm	500kg - GVM	TOY047E	2

U-BOLTS

U-Bolt Kit			416UBK	2
U-Bolt Kit Extra Long	Suit TOY047D and TOY047E Spring		416UBKL	2

POLYURETHANE SPRING BUSHES

Bush Kit			1085UK	1
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GREASABLE SHACKLES AND PINS

Greasable Shackle			1141	2
Greasable Pin			1142	2

HELPER SPRINGS

Load Plus Helper Springs	Drum Brake Models Only		LP9	1
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Listing continued on following page



Product

Part No.

Qty Req

SUSPENSION KIT

Comfort w/ Gas Shocks	TOY046BKG1
Comfort w/ Foam Cell	TOY046BKF1
Comfort w/ Foam Cell Pro	TOY046BKP1
Performance w/ Gas Shocks	TOY046CKG1
Performance w/ Foam Cell	TOY046CKF1
Performance w/ Foam Cell Pro	TOY046CKP1
Constant Load w/ Gas Shocks	TOY046DKG1
Constant Load w/ Foam Cell	TOY046DKF1
Constant Load w/ Foam Cell Pro	TOY046DKP1
Extra Constant Load w/ Foam Cell	TOY046EKF1
Extra Constant Load w/ Foam Cell Pro	TOY046EKP1

GVM UPGRADE

3900kg Pre Registration w/ Foam Cell Shocks	Temporary Load	TOY047CKFGVM
3900kg Post Registration w/ Foam Cell Shocks	Temporary Load	TOY047CKFGVM1
3900kg Pre Registration w/ Foam Cell Shocks	Frequent Load	TOY047DKFGVM
3900kg Post Registration w/ Foam Cell Shocks	Frequent Load	TOY047DKFGVM1
3900kg Pre Registration w/ Foam Cell Shocks	Permanent Load	TOY047EKFGVM
3900kg Post Registration w/ Foam Cell Shocks	Permanent Load	TOY047EKFGVM1
3900kg Pre Registration w/ Foam Cell Pro Shocks	Temporary Load	TOY047CKPGVM
3900kg Post Registration w/ Foam Cell Pro Shocks	Temporary Load	TOY047CKPGVM1
3900kg Pre Registration w/ Foam Cell Pro Shocks	Frequent Load	TOY047DKPGVM
3900kg Post Registration w/ Foam Cell Pro Shocks	Frequent Load	TOY047DKPGVM1
3900kg Pre Registration w/ Foam Cell Pro Shocks	Permanent Load	TOY047EKPGVM
3900kg Post Registration w/ Foam Cell Pro Shocks	Permanent Load	TOY047EKPGVM1

• Australian Customers Only

• Only available through authorised Ironman 4x4 GVM upgrade installers

TOYOTA



SUSPENSION KIT CONTENTS

Shock Absorbers	U-Bolts
Coil Springs	Polyurethane Spring Bushes
Leaf Springs	

GVM UPGRADE KIT CONTENTS

Shock Absorbers	U-Bolts	Compliance Plate
Coil Springs	Polyurethane Spring Bushes	Tyre Placard
Leaf Springs	Greasable Shackles	

LANDCRUISER

80 Series
1990+



TOYOTA

Product

Part No.

Qty Req

FRONT SUSPENSION

SHOCK ABSORBER

Nitro Gas			12683GR	2
Foam Cell			24683FE	2
Foam Cell Pro			45683FE	2
Foam Cell		Suits 4" Lift	24683LFE	2
Foam Cell Pro		Suits 4" Lift	45683LFE	2
Foam Cell		Suits 6" Lift	24683LFE1	2
Foam Cell Pro		Suits 6" Lift	45683LFE1	2

COIL SPRINGS

	Est. Lift	Additional Load		
Performance	50mm	0 - 50kg	TOY024B	1
Constant Load	50mm	50 - 110kg	TOY024C	1
Performance 4" Lift	100mm	0 - 100kg	TOY012C	1
Performance 6" Lift	150mm	0 - 100kg	TOY060B	1

STEERING DAMPER

Foam Cell			3524	1
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CASTER CORRECTION

2° Offset Bush Kit			1144SK	1
Adjustable Offset STD, 2.5, 3.5°			1144	1
5° Offset Plate Kit			CPLATE001	1

DRAG LINK

Adjustable Drag Link		Righthand Drive Only	ADL001	1
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ADJUSTABLE PANHARD ROD

Right Hand Drive Rod			PANHARD001	1
Left Hand Drive Rod			PANHARD007	1

SWAY BAR LINK

Extended Sway Bar Link			SBEXT001	2
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COIL SPACER

Polyurethane 20mm			LCF20	2
Polyurethane 30mm			LCF30	2

EXTENDED BRAKE HOSE

Single Hose Models			BHOSE001	1
Dual Hose Models			BHOSE002	2

REAR SUSPENSION

SHOCK ABSORBER

Nitro Gas			12682GR	2
Foam Cell			24682FE	2
Foam Cell Pro			45682FE	2
Foam Cell		Suits 4" Lift	24682LFE	2
Foam Cell Pro		Suits 4" Lift	45682LFE	2
Foam Cell		Suits 6" Lift	24682LFE1	2
Foam Cell Pro		Suits 6" Lift	45682LFE1	2

COIL SPRINGS

	Est. Lift	Additional Load		
Performance	50mm	0 - 200kg	TOY025B	1
Performance w/ Accessories	50mm	100 - 300kg	TOY013B	1
Constant Load	50mm	200 - 400kg	TOY025C	1
Extra constant Load	55mm	400 - 500kg	TOY025D	1
Performance 4" Lift	100mm	0 - 300kg	TOY013C	1
Performance 6" Lift	150mm	0 - 300kg	TOY061B	1
Constant Load 4" Lift	100mm	300 - 500kg	TOY013D	1
Constant Load 6" Lift	150mm	300 - 500kg	TOY061C	1

Listing continued on following page



Product	Part No.	Qty Req	
PANHARD ROD			
Adjustable Panhard Rod	PANHARD002	1	
ADJUSTABLE TRAILING ARM			
Upper Trailing Arm	UTA001	2	
Lower Trailing Arm	LTA001	2	
SWAY BAR LINK			
Extended Sway Bar Link	Side Mount	SBEXT002	2
Extended Sway Bar Link	Under Mount	SBEXT005	2
COIL SPACER			
Polyurethane 15mm	LCR15	2	
Polyurethane 30mm	LCR30	2	
BUSH KIT			
Polyurethane Suspension Arm Bush Kit	847K	1	

SUSPENSION KIT

Performance w/ Gas Shocks			TOY024BKG
Performance w/ Foam Cell			TOY024BKF
Performance w/ Foam Cell Pro			TOY024BKP
Constant Load w/ Gas Shocks			TOY024CKG
Constant Load w/ Foam Cell			TOY024CKF
Constant Load w/ Foam Cell Pro			TOY024CKP
Extra Constant Load w/ Gas Shocks			TOY024DKG
Extra Constant Load w/ Foam Cell			TOY024DKF
Extra Constant Load w/ Foam Cell Pro			TOY024DKP
Performance w/ Foam Cell	4"Lift	RH Drive	TOY012CKF1
Performance w/ Foam Cell Pro	4"Lift	RH Drive	TOY012CKP1
Performance w/ Foam Cell	6"Lift	RH Drive	TOY063BKF1
Performance w/ Foam Cell Pro	6"Lift	RH Drive	TOY063BKP1
Performance w/ Foam Cell	4"Lift	LH Drive	TOY012CKF1L
Performance w/ Foam Cell Pro	4"Lift	LH Drive	TOY012CKP1L
Performance w/ Foam Cell	6"Lift	LH Drive	TOY063BKF1L
Performance w/ Foam Cell Pro	6"Lift	LH Drive	TOY063BKP1L
Constant Load w/ Foam Cell	4"Lift	RH Drive	TOY012CKF2
Constant Load w/ Foam Cell Pro	4"Lift	RH Drive	TOY012CKP2
Constant Load w/ Foam Cell	6"Lift	RH Drive	TOY063BKF2
Constant Load w/ Foam Cell Pro	6"Lift	RH Drive	TOY063BKP2
Constant Load w/ Foam Cell	4"Lift	LH Drive	TOY012CKF2L
Constant Load w/ Foam Cell Pro	4"Lift	LH Drive	TOY012CKP2L
Constant Load w/ Foam Cell	6"Lift	LH Drive	TOY063BKF2L
Constant Load w/ Foam Cell Pro	6"Lift	LH Drive	TOY063BKP2L

• 4" and 6" lifts may not be legal for on-road use in your area, certification may be required for on-road use
 • Due to the extreme nature of 4" and 6" lifts, further modifications may be required, and will vary between vehicles, such modifications are entirely the owners responsibility
 Ironman 4x4 accept no responsibility for any damage or injury caused by use of the these products

50MM SUSPENSION KIT CONTENTS

Shock Absorbers
Coil Springs

4" AND 6" SUSPENSION KIT CONTENTS

Shock Absorbers Panhard Rods Caster Plates Adjustable Trailing Arms
Coil Springs Sway Bar Links Brake Hoses

FOAMCELL PRO BIG LIFT SUSPENSION KITS

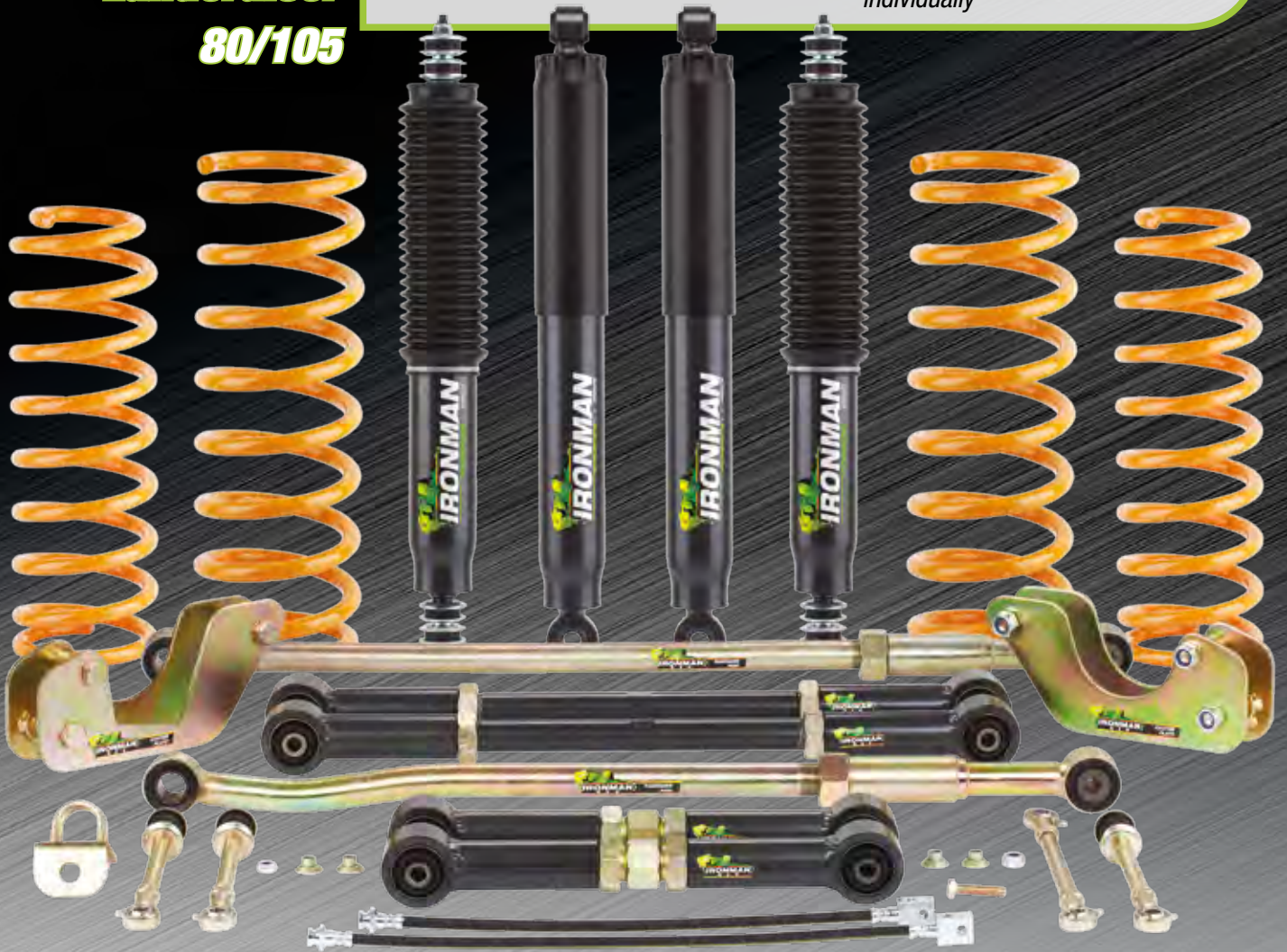


**Fully integrated
4" and 6" lifts
to suit Toyota
Landcruiser
80/105**

Kits Include

- Coil Springs
- Foam Cell Pro Shock Absorbers
- Adjustable Panhard Rods
- Adjustable Trailing Arms
- Caster Correction Plates
- Extended Sway Bar Links
- Extended Brake Hoses

Kit components are also available individually



Toyota Landcruiser 80/105

4" and 6" lifts are designed for off-road competition use.
Certification may be required for on-road use.



Product

Part No.

Qty Req

FRONT SUSPENSION

SHOCK ABSORBER

Nitro Gas			12795GR	2
Foam Cell			24795FE	2
Foam Cell Pro			45795FE	2

TORSION BAR

Up-rated Torsion Bars	Petrol Models	1160mm Length	TOY050	1
Up-rated Torsion Bars	Diesel Models	1210mm Length	TOY051	1

- Must Install BRACKET100
- Some Middle Eastern Petrol models use TOY051, check length before ordering
- Minimum 60mm downward suspension travel required after adjustment

CONTROL ARM

Control Arm Reinforcement			BRACKET100	1
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REAR SUSPENSION

SHOCK ABSORBER

Nitro Gas			12796GR	2
Foam Cell			24796FE	2
Foam Cell Pro			45796FE	2

COIL SPRINGS

	Est. Lift	Additional Load		
Performance	25mm	0 - 200kg	TOY013B	1
Constant Load	25mm	200 - 400kg	TOY025C	1
Extra Constant Load	30mm	400kg - GVM	TOY025D	1

ADJUSTABLE TRAILING ARM

Upper Trailing Arm			UTA003	2
Lower Trailing Arm			LTA003	2

SUSPENSION KIT

Performance Petrol w/ Gas Shocks	TOY050BKG
Performance Petrol w/ Foam Cell Shocks	TOY050BKF
Performance Petrol w/ Foam Cell Pro Shocks	TOY050BKP
Constant Load Petrol w/ Gas Shocks	TOY050CKG
Constant Load Petrol w/ Foam Cell Shocks	TOY050CKF
Constant Load Petrol w/ Foam Cell Pro Shocks	TOY050CKP
Extra Constant Load Petrol w/ Gas Shocks	TOY050DKG
Extra Constant Load Petrol w/ Foam Cell Shocks	TOY050DKF
Extra Constant Load Petrol w/ Foam Cell Pro Shocks	TOY050DKP
Performance Diesel w/ Gas Shocks	TOY051BKG
Performance Diesel w/ Foam Cell Shocks	TOY051BKF
Performance Diesel w/ Foam Cell Pro Shocks	TOY051BKP
Constant Load Diesel w/ Gas Shocks	TOY051CKG
Constant Load Diesel w/ Foam Cell Shocks	TOY051CKF
Constant Load Diesel w/ Foam Cell Pro Shocks	TOY051CKP
Extra Constant Load Petrol w/ Gas Shocks	TOY051DKG
Extra Constant Load Petrol w/ Foam Cell Shocks	TOY051DKF
Extra Constant Load Petrol w/ Foam Cell Pro Shocks	TOY051DKP

- Some Middle Eastern Petrol models use TOY051, check Torsion Bar length before ordering

SUSPENSION KIT CONTENTS

Shock Absorbers	Torsion Bars
Coil Springs	Control Arm Reinforcement

LANDCRUISER

105 Series
1998+



TOYOTA

Product

Part No.

Qty Req

FRONT SUSPENSION

SHOCK ABSORBER

Nitro Gas			12683GR	2
Foam Cell			24683FE	2
Foam Cell Pro			45683FE	2
Foam Cell		Suits 4" Lift	24683LFE	2
Foam Cell Pro		Suits 4" Lift	45683LFE	2
Foam Cell		Suits 6" Lift	24683LFE1	2
Foam Cell Pro		Suits 6" Lift	45683LFE1	2

COIL SPRINGS

	Est. Lift	Additional Load		
Performance	50mm	0 - 50kg	TOY024B	1
Constant Load	50mm	50 - 110kg	TOY024C	1
Performance 4" Lift	100mm	0 - 100kg	TOY012C	1
Performance 6" Lift	150mm	0 - 100kg	TOY060B	1

STEERING DAMPER

Foam Cell			3524	1
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CASTER CORRECTION

2° Offset Bush Kit			1144SK	1
Adjustable Offset STD, 2.5, 3.5°			1144	1
5° Offset Plate Kit			CPLATE001	1

DRAG LINK

Adjustable Drag Link		Righthand Drive Only	ADL001	1
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ADJUSTABLE PANHARD ROD

Right Hand Drive Rod			PANHARD001	1
Left Hand Drive Rod			PANHARD007	1

SWAY BAR LINK

Extended Sway Bar Link			SBEXT001	2
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COIL SPACER

Polyurethane 20mm			LCF20	2
Polyurethane 30mm			LCF30	2

EXTENDED BRAKE HOSE

Single Hose Models			BHOSE001	1
Dual Hose Models			BHOSE002	2

REAR SUSPENSION

SHOCK ABSORBER

Nitro Gas			12682GR	2
Foam Cell			24682FE	2
Foam Cell Pro			45682FE	2
Foam Cell		Suits 4" Lift	24682LFE	2
Foam Cell Pro		Suits 4" Lift	45682LFE	2
Foam Cell		Suits 6" Lift	24682LFE1	2
Foam Cell Pro		Suits 6" Lift	45682LFE1	2

COIL SPRINGS

	Est. Lift	Additional Load		
Performance	50mm	0 - 200kg	TOY025B	1
Performance w/ Accessories	50mm	100 - 300kg	TOY013B	1
Constant Load	50mm	200 - 400kg	TOY025C	1
Extra constant Load	55mm	400 - 500kg	TOY025D	1
Performance 4" Lift	100mm	0 - 300kg	TOY013C	1
Performance 6" Lift	150mm	0 - 300kg	TOY061B	1
Constant Load 4" Lift	100mm	300 - 500kg	TOY013D	1
Constant Load 6" Lift	150mm	300 - 500kg	TOY061C	1

Listing continued on following page



TOYOTA

Product	Part No.	Qty Req	
PANHARD ROD			
Adjustable Panhard Rod	PANHARD002	1	
ADJUSTABLE TRAILING ARM			
Upper Trailing Arm	UTA001	2	
Lower Trailing Arm	LTA001	2	
SWAY BAR LINK			
Extended Sway Bar Link	Side mount	SBEXT002	2
Extended Sway Bar Link	Under mount	SBEXT005	2
COIL SPACER			
Polyurethane 15mm	LCR15	2	
Polyurethane 30mm	LCR30	2	
BRAKE HOSE			
Extended Brake Hose	BHOSE002	1	
BUSH KIT			
Polyurethane Suspension Arm Bush Kit	847K	1	

SUSPENSION KIT

Performance w/ Gas Shocks			TOY024BKG
Performance w/ Foam Cell			TOY024BKF
Performance w/ Foam Cell Pro			TOY024BKP
Constant Load w/ Gas Shocks			TOY024CKG
Constant Load w/ Foam Cell			TOY024CKF
Constant Load w/ Foam Cell Pro			TOY024CKP
Extra Constant Load w/ Gas Shocks			TOY024DKG
Extra Constant Load w/ Foam Cell			TOY024DKF
Extra Constant Load w/ Foam Cell Pro			TOY024DKP
Performance w/ Foam Cell	4"Lift	RH Drive	TOY012CKF1
Performance w/ Foam Cell Pro	4"Lift	RH Drive	TOY012CKP1
Performance w/ Foam Cell	6"Lift	RH Drive	TOY063BKF1
Performance w/ Foam Cell Pro	6"Lift	RH Drive	TOY063BKP1
Performance w/ Foam Cell	4"Lift	LH Drive	TOY012CKF1L
Performance w/ Foam Cell Pro	4"Lift	LH Drive	TOY012CKP1L
Performance w/ Foam Cell	6"Lift	LH Drive	TOY063BKF1L
Performance w/ Foam Cell Pro	6"Lift	LH Drive	TOY063BKP1L
Constant Load w/ Foam Cell	4"Lift	RH Drive	TOY012CKF2
Constant Load w/ Foam Cell Pro	4"Lift	RH Drive	TOY012CKP2
Constant Load w/ Foam Cell	6"Lift	RH Drive	TOY063BKF2
Constant Load w/ Foam Cell Pro	6"Lift	RH Drive	TOY063BKP2
Constant Load w/ Foam Cell	4"Lift	LH Drive	TOY012CKF2L
Constant Load w/ Foam Cell Pro	4"Lift	LH Drive	TOY012CKP2L
Constant Load w/ Foam Cell	6"Lift	LH Drive	TOY063BKF2L
Constant Load w/ Foam Cell Pro	6"Lift	LH Drive	TOY063BKP2L

• 4" and 6" lifts may not be legal for on-road use in your area, certification may be required for on-road use
 • Due to the extreme nature of 4" and 6" lifts, further modifications may be required, and will vary between vehicles, such modifications are entirely the owners responsibility
 Ironman 4x4 accept no responsibility for any damage or injury caused by use of the these products

50MM SUSPENSION KIT CONTENTS	4" AND 6" SUSPENSION KIT CONTENTS			
Shock Absorbers	Shock Absorbers	Panhard Rods	Caster Plates	Adjustable Trailing Arms
Coil Springs	Coil Springs	Sway Bar Links	Brake Hoses	

LANDCRUISER

200 Series
2007+



TOYOTA

Product

Part No.

Qty Req

FRONT SUSPENSION

SHOCK ABSORBER

Nitro Gas Strut			12720GR	2
Foam Cell Strut			24720FE	2
Foam Cell Pro Strut			45720FE	2

• Height adjustable with Ironman 4x4 Strut Trim Packers

COIL SPRINGS

	Est. Lift	Additional Load		
Standard	0mm	0-50kg	TOY063S	1
Comfort	25mm	0 - 50kg	TOY063A	1
Performance	50mm	0 - 50kg	TOY063B	1
Constant Load	50mm	50 - 110kg	TOY063C	1

STRUT MOUNTS

Steel Strut Top			ISST004	2
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TRIM PACKERS

5mm Strut Trim Packer	(Nitro Gas / Foam Cell)		HILFR05 / HILFR05F	2
10mm Strut Trim Packer	(Nitro Gas / Foam Cell)		HILFR10 / HILFR10F	2
15mm Strut Trim Packer	(Nitro Gas / Foam Cell)		HILFR15 / HILFR15F	2

• ONLY Compatible with Ironman 4x4 Struts (except Pro), lift height subject to 1:2 motion ratio. Unnecessary fitment may lift vehicle too high

SWAY BAR

38mm Sway Bar	Non KDSS Models Only		ISB200F	1
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REAR SUSPENSION

SHOCK ABSORBER

Nitro Gas			12796GR	2
Foam Cell			24796FE	2
Foam Cell Pro			45796FE	2

COIL SPRINGS

	Est. Lift	Additional Load		
Standard	0mm	0 - 200kg	TOY064S	1
Comfort	25mm	0 - 200kg	TOY064A	1
Performance	50mm	0 - 300kg	TOY064B	1
Performance w/ Accessories	50mm	100 - 400kg	TOY064EA	1
Constant Load	50mm	400kg - GVM	TOY064C	1

SWAY BAR

33mm Sway Bar	Non KDSS Models Only		ISB200R	1
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SUSPENSION KIT

Comfort w/ Gas Shocks	TOY063AKG
Comfort w/ Foam Cell	TOY063AKF
Comfort w/ Foam Cell Pro	TOY063AKP
Performance w/ Gas Shocks	TOY063BKG
Performance w/ Foam Cell	TOY063BKF
Performance w/ Foam Cell Pro	TOY063BKP
Constant Load w/ Gas Shocks	TOY063CKG
Constant Load w/ Foam Cell	TOY063CKF
Constant Load w/ Foam Cell Pro	TOY063CKP

• All kits compatible with KDSS, refer KDSS instructions for installation

SUSPENSION KIT CONTENTS

Shock Absorbers	Coil Springs
Strut Shock Absorbers	



Product

Part No.

**Qty
Req**

FRONT SUSPENSION

SHOCK ABSORBER

Nitro Gas Strut			12691GR	2
Foam Cell Strut			24691FE	2
Foam Cell Pro Strut			45691FE	2

• Height adjustable with Ironman 4x4 Strut Trim Packers

COIL SPRINGS

	Est. Lift	Additional Load		
Performance Petrol	45mm	0 - 50kg	TOY038B	1
Constant Load or Diesel	45mm	50 - 110kg	TOY038C	1

TRIM PACKERS

5mm Strut Trim Packer	(Nitro Gas / Foam Cell)	HILFR05 / HILFR05F	2
10mm Strut Trim Packer	(Nitro Gas / Foam Cell)	HILFR10 / HILFR10F	2
15mm Strut Trim Packer	(Nitro Gas / Foam Cell)	HILFR15 / HILFR15F	2

• ONLY Compatible with Ironman 4x4 Struts (except Pro), lift height subject to 1:2 motion ratio. Unnecessary fitment may lift vehicle too high

REAR SUSPENSION

SHOCK ABSORBER

Nitro Gas			12661GR	2
Foam Cell			24661FE	2
Foam Cell Pro			45661FE	2

COIL SPRINGS

	Est. Lift	Additional Load		
Performance SWB	45mm	0 - 300kg	TOY039A	1
Performance LWB	45mm	0 - 300kg	TOY039B	1
Constant Load	45mm	300kg - GVM	TOY039C	1

COIL SPACER

Polyurethane 20mm			LCF20	2
Polyurethane 30mm			LCF30	2

SUSPENSION KIT

Performance SWB Petrol w/ Gas Shocks	TOY038AKG
Performance SWB Petrol w/ Foam Cell	TOY038AKF
Performance SWB Petrol w/ Foam Cell Pro	TOY038AKP
Performance SWB Diesel w/ Gas Shocks	TOY038AKG1
Performance SWB Diesel w/ Foam Cell	TOY038AKF1
Performance SWB Diesel w/ Foam Cell Pro	TOY038AKP1
Performance LWB Petrol w/ Gas Shocks	TOY038BKG
Performance LWB Petrol w/ Foam Cell	TOY038BKF
Performance LWB Petrol w/ Foam Cell Pro	TOY038BKP
Performance LWB Diesel w/ Gas Shocks	TOY038CKG
Performance LWB Diesel w/ Foam Cell	TOY038CKF
Performance LWB Diesel w/ Foam Cell Pro	TOY038CKP
Constant Load LWB Petrol w/ Gas Shocks	TOY038BKG1
Constant Load LWB Petrol w/ Foam Cell	TOY038BKF1
Constant Load LWB Petrol w/ Foam Cell Pro	TOY038BKP1
Constant Load LWB Diesel w/ Gas Shocks	TOY038CKG1
Constant Load LWB Diesel w/ Foam Cell	TOY038CKF1
Constant Load LWB Diesel w/ Foam Cell Pro	TOY038CKP1

SUSPENSION KIT CONTENTS

Shock Absorbers	Coil Springs
Strut Shock Absorbers	



Product	Part No.	Qty Req
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FRONT SUSPENSION

SHOCK ABSORBER

Nitro Gas Strut	12710GR	2
Foam Cell Strut	24710FE	2
Foam Cell Pro Strut	45710FE	2

• Height adjustable with Ironman 4x4 Strut Trim Packers

COIL SPRINGS

	Est. Lift	Additional Load		
Comfort	30mm	0 - 50kg	TOY055A	1
Performance Petrol	45mm	0 - 50kg	TOY055B	1
Constant Load or Diesel	45mm	50 - 110kg	TOY055C	1

STRUT MOUNTS

Steel Strut Top	ISST001	2
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TRIM PACKERS

5mm Strut Trim Packer	(Nitro Gas / Foam Cell)	HILFR05 / HILFR05F	2
10mm Strut Trim Packer	(Nitro Gas / Foam Cell)	HILFR10 / HILFR10F	2
15mm Strut Trim Packer	(Nitro Gas / Foam Cell)	HILFR15 / HILFR15F	2

• ONLY Compatible with Ironman 4x4 Struts (except Pro), lift height subject to 1:2 motion ratio. Unnecessary fitment may lift vehicle too high

SPACER KIT

Sway Bar Spacer	1198K	1
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REAR SUSPENSION

SHOCK ABSORBER

Nitro Gas	12682GRC	2
Foam Cell	24682FEC	2
Foam Cell Pro	45682FEC	2

COIL SPRINGS

	Est. Lift	Additional Load		
Performance SWB	45mm	0 - 300kg	TOY056A	1
Performance LWB	45mm	0 - 300kg	TOY056B	1
Constant Load	45mm	300kg - GVM	TOY056C	1

SWAY BAR LINK

Extended Sway Bar Link	SBEXT006	2
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SUSPENSION KIT

Performance SWB Petrol w/ Gas Shocks	TOY055AKG
Performance SWB Petrol w/ Foam Cell	TOY055AKF
Performance SWB Petrol w/ Foam Cell Pro	TOY055AKP
Performance SWB Diesel w/ Gas Shocks	TOY055AKG1
Performance SWB Diesel w/ Foam Cell	TOY055AKF1
Performance SWB Diesel w/ Foam Cell Pro	TOY055AKP1
Performance LWB Petrol w/ Gas Shocks	TOY055BKG
Performance LWB Petrol w/ Foam Cell	TOY055BKF
Performance LWB Petrol w/ Foam Cell Pro	TOY055BKP
Performance LWB Diesel w/ Gas Shocks	TOY055BKG1
Performance LWB Diesel w/ Foam Cell	TOY055BKF1
Performance LWB Diesel w/ Foam Cell Pro	TOY055BKP1
Constant Load LWB Petrol w/ Gas Shocks	TOY055CKG
Constant Load LWB Petrol w/ Foam Cell	TOY055CKF
Constant Load LWB Petrol w/ Foam Cell Pro	TOY055CKP
Constant Load LWB Diesel w/ Gas Shocks	TOY055CKG1
Constant Load LWB Diesel w/ Foam Cell	TOY055CKF1
Constant Load LWB Diesel w/ Foam Cell Pro	TOY055CKP1

SUSPENSION KIT CONTENTS

Shock Absorbers	Coil Springs
Strut Shock Absorbers	



Product

Part No.

**Qty
Req**

FRONT SUSPENSION

SHOCK ABSORBER

Nitro Gas Strut			12750GR	2
Foam Cell Strut			24750FE	2
Foam Cell Pro Strut			45750FE	2

• Height adjustable with Ironman 4x4 Strut Trim Packers

COIL SPRINGS

	Est. Lift	Additional Load		
Performance Petrol	45mm	0 - 50kg	TOY065B	1
Constant Load or Diesel	45mm	50 - 110kg	TOY065C	1

STRUT MOUNTS

Steel Strut Top			ISST001	2
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TRIM PACKERS

5mm Strut Trim Packer	(Nitro Gas / Foam Cell)		HILFR05 / HILFR05F	2
10mm Strut Trim Packer	(Nitro Gas / Foam Cell)		HILFR10 / HILFR10F	2
15mm Strut Trim Packer	(Nitro Gas / Foam Cell)		HILFR15 / HILFR15F	2

• ONLY Compatible with Ironman 4x4 Struts (except Pro), lift height subject to 1:2 motion ratio. Unnecessary fitment may lift vehicle too high

SPACER KIT

Sway Bar Spacer			1198K	1
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REAR SUSPENSION

SHOCK ABSORBER

Nitro Gas			12682GRC	2
Foam Cell			24682FEC	2
Foam Cell Pro			45682FEC	2

COIL SPRINGS

	Est. Lift	Additional Load		
Performance SWB	45mm	0 - 300kg	TOY056A	1
Performance LWB	45mm	0 - 300kg	TOY056B	1
Constant Load	45mm	300kg - GVM	TOY056C	1

COIL SPACER

Polyurethane 20mm			LCPR20	2
Polyurethane 25mm			LCPR25	2

SWAY BAR LINK

Extended Sway Bar Link			SBEXT006	2
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SUSPENSION KIT

Performance SWB Petrol w/ Gas Shocks	TOY065AKG
Performance SWB Petrol w/ Foam Cell	TOY065AKF
Performance SWB Petrol w/ Foam Cell Pro	TOY065AKP
Performance SWB Diesel w/ Gas Shocks	TOY065AKG1
Performance SWB Diesel w/ Foam Cell	TOY065AKF1
Performance SWB Diesel w/ Foam Cell Pro	TOY065AKP1
Performance LWB Petrol w/ Gas Shocks	TOY065BKG
Performance LWB Petrol w/ Foam Cell	TOY065BKF
Performance LWB Petrol w/ Foam Cell Pro	TOY065BKP
Performance LWB Diesel w/ Gas Shocks	TOY065BKG1
Performance LWB Diesel w/ Foam Cell	TOY065BKF1
Performance LWB Diesel w/ Foam Cell Pro	TOY065BKP1
Constant Load LWB Petrol w/ Gas Shocks	TOY065CKG
Constant Load LWB Petrol w/ Foam Cell	TOY065CKF
Constant Load LWB Petrol w/ Foam Cell Pro	TOY065CKP
Constant Load LWB Diesel w/ Gas Shocks	TOY065CKG1
Constant Load LWB Diesel w/ Foam Cell	TOY065CKF1
Constant Load LWB Diesel w/ Foam Cell Pro	TOY065CKP1

SUSPENSION KIT CONTENTS

Shock Absorbers	Coil Springs
Strut Shock Absorbers	

FJ CRUISER

2006+



TOYOTA

Product

Part No.

Qty Req

FRONT SUSPENSION

SHOCK ABSORBER

Nitro Gas Strut			12710GR	2
Foam Cell Strut			24710FE	2
Foam Cell Pro Strut			45710FE	2

• Height adjustable with Ironman 4x4 Strut Trim Packers

COIL SPRINGS

	Est. Lift	Additional Load		
Comfort	30mm	0 - 50kg	TOY055A	1
Performance	45mm	0 - 50kg	TOY055B	1
Constant Load	45mm	50 - 110kg	TOY055C	1

STRUT MOUNTS

Steel Strut Top			ISST001	2
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TRIM PACKERS

5mm Strut Trim Packer	(Nitro Gas / Foam Cell)		HILFR05 / HILFR05F	2
10mm Strut Trim Packer	(Nitro Gas / Foam Cell)		HILFR10 / HILFR10F	2
15mm Strut Trim Packer	(Nitro Gas / Foam Cell)		HILFR15 / HILFR15F	2

• ONLY Compatible with Ironman 4x4 Struts (except Pro), lift height subject to 1:2 motion ratio. Unnecessary fitment may lift vehicle too high

SPACER KIT

Sway Bar Spacer			1198K	1
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REAR SUSPENSION

SHOCK ABSORBER

Nitro Gas			12682GRC	2
Foam Cell			24682FEC	2
Foam Cell Pro			45682FEC	2

COIL SPRINGS

	Est. Lift	Additional Load		
Comfort	40mm	0 - 300kg	TOY056A	1
Performance	50mm	0 - 300kg	TOY056B	1
Constant Load	50mm	300kg - GVM	TOY056C	1

SWAY BAR LINK

Extended Sway Bar Link			SBEXT006	2
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SUSPENSION KIT

Comfort w/ Gas Shocks	TOY055AKG
Comfort w/ Foam Cell	TOY055AKF
Comfort w/ Foam Cell Pro	TOY055AKP
Performance w/ Gas Shocks	TOY055BKG
Performance w/ Foam Cell	TOY055BKF
Performance w/ Foam Cell Pro	TOY055BKP
Constant Load w/ Gas Shocks	TOY055CKG
Constant Load w/ Foam Cell	TOY055CKF
Constant Load w/ Foam Cell Pro	TOY055CKP

SUSPENSION KIT CONTENTS

Shock Absorbers	Coil Springs
Strut Shock Absorbers	



Product

Part No.

**Qty
Req**

FRONT SUSPENSION

SHOCK ABSORBER

Nitro Gas Strut			12710GR	2
Foam Cell Strut			24710FE	2
Foam Cell Pro Strut			45710FE	2

• Height adjustable with Ironman 4x4 Strut Trim Packers

COIL SPRINGS

	Est. Lift	Additional Load		
Standard Height	0mm	0 - 50kg	TOY038B	1
Performance	45mm	0 - 50kg	TOY055A	1
Constant Load	45mm	50 - 110kg	TOY055B	1

STRUT MOUNTS

Steel Strut Top			ISST001	2
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TRIM PACKERS

5mm Strut Trim Packer	(Nitro Gas / Foam Cell)		HILFR05 / HILFR05F	2
10mm Strut Trim Packer	(Nitro Gas / Foam Cell)		HILFR10 / HILFR10F	2
15mm Strut Trim Packer	(Nitro Gas / Foam Cell)		HILFR15 / HILFR15F	2

• ONLY Compatible with Ironman 4x4 Struts (except Pro), lift height subject to 1:2 motion ratio. Unnecessary fitment may lift vehicle too high

SPACER KIT

Sway Bar Spacer			1198K	1
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REAR SUSPENSION

SHOCK ABSORBER

Nitro Gas Comfort			12743GRC	2
Nitro Gas			12743GR	2
Foam Cell Comfort			24743FEC	2
Foam Cell			24743FE	2
Foam Cell Pro Comfort			45743FEC	2
Foam Cell Pro			45743FE	2

COIL SPRINGS

	Est. Lift	Additional Load		
Standard Height	0mm	0 - 200kg	TOY017S	1
Comfort	40mm	0 - 200kg	TOY017A	1
Performance	45mm	0 - 300kg	TOY017B	1

SPACER KIT

Centre Bearing Spacer Kit			1192K	1
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SUSPENSION KIT

Standard Height w/ Gas Shocks	TOY017SKG
Standard Height w/ Foam Cell	TOY017SKF
Standard Height w/ Foam Cell Pro	TOY017SKP
Comfort w/ Gas Shocks	TOY017AKG
Comfort w/ Foam Cell	TOY017AKF
Comfort w/ Foam Cell Pro	TOY017AKP
Performance w/ Gas Shocks	TOY017BKG
Performance w/ Foam Cell	TOY017BKF
Performance w/ Foam Cell Pro	TOY017BKP

• Specify front Coil Springs when ordering

SUSPENSION KIT CONTENTS

Shock Absorbers	Coil Springs
Strut Shock Absorbers	



Product

Part No.

Qty Req

FRONT SUSPENSION

SHOCK ABSORBER

Nitro Gas Strut			12730GR	2
Foam Cell Strut			24730FE	2
Foam Cell Pro Strut			45730FE	2

• Height adjustable with Ironman 4x4 Strut Trim Packers

COIL SPRINGS

	Est. Lift	Additional Load		
Performance	30mm	0 - 50kg	TOY055A	1
Constant Load	40mm	50 - 110kg	TOY055B	1

STRUT MOUNTS

Steel Strut Top			ISST001	2
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TRIM PACKERS

5mm Strut Trim Packer	(Nitro Gas / Foam Cell)		HILFR05 / HILFR05F	2
10mm Strut Trim Packer	(Nitro Gas / Foam Cell)		HILFR10 / HILFR10F	2
15mm Strut Trim Packer	(Nitro Gas / Foam Cell)		HILFR15 / HILFR15F	2

• ONLY Compatible with Ironman 4x4 Struts (except Pro), lift height subject to 1:2 motion ratio. Unnecessary fitment may lift vehicle too high

REAR SUSPENSION

SHOCK ABSORBER

Nitro Gas Comfort			12743GRC	2
Nitro Gas			12743GR	2
Foam Cell Comfort			24743FEC	2
Foam Cell			24743FE	2
Foam Cell Pro Comfort			45743FEC	2
Foam Cell Pro			45743FE	2

COIL SPRINGS

	Est. Lift	Additional Load		
Standard Height	0mm	0 - 200kg	TOY017S	1
Performance	30mm	0 - 200kg	TOY017A	1
Constant Load	40mm	100 - 300kg	TOY017B	1

• Possible driveline vibration may occur if raised above 40mm

SPACER KIT

Centre Bearing Spacer Kit			1192K	1
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SUSPENSION KIT

Performance w/ Gas Shocks	TOY017AKG1
Performance w/ Foam Cell	TOY017AKF1
Performance w/ Foam Cell Pro	TOY017AKP1
Constant Load w/ Gas Shocks	TOY017BKG1
Constant Load w/ Foam Cell	TOY017BKF1
Constant Load w/ Foam Cell Pro	TOY017BKP1

• Specify front Coil Springs when ordering

• Possible driveline vibration may occur if raised above 40mm

SUSPENSION KIT CONTENTS

Shock Absorbers	Coil Springs
Strut Shock Absorbers	



Product	Part No.	Qty Req
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FRONT SUSPENSION

SHOCK ABSORBER

Nitro Gas Strut	12710GR	2
Foam Cell Strut	24710FE	2
Foam Cell Pro Strut	45710FE	2

• Height adjustable with Ironman 4x4 Strut Trim Packers

COIL SPRINGS

	Est. Lift	Additional Load		
Performance	45mm	0 - 50kg	TOY065B	1
Constant Load	45mm	50 - 110kg	TOY065C	1

STRUT MOUNTS

Steel Strut Top	ISST001	2
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TRIM PACKERS

5mm Strut Trim Packer	(Nitro Gas / Foam Cell)	HILFR05 / HILFR05F	2
10mm Strut Trim Packer	(Nitro Gas / Foam Cell)	HILFR10 / HILFR10F	2
15mm Strut Trim Packer	(Nitro Gas / Foam Cell)	HILFR15 / HILFR15F	2

• ONLY Compatible with Ironman 4x4 Struts (except Pro), lift height subject to 1:2 motion ratio. Unnecessary fitment may lift vehicle too high

REAR SUSPENSION

SHOCK ABSORBER

Nitro Gas	12744GR	2
Foam Cell	24744FE	2
Foam Cell Pro	45744FE	2

LEAF SPRINGS

	Est. Lift	Additional Load		
Performance Drivers Side	50mm	0 - 200kg	TOY066BD/S	1
Performance Near Side	50mm	0 - 200kg	TOY066BN/S	1

U-BOLTS

U-Bolt Kit	437UBK	2
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POLYURETHANE SPRING BUSHES

Bush Kit	1191UK	1
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SPACER KIT

Centre Bearing Spacer Kit	1192K	1
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HELPER SPRINGS

Load Plus Helper Springs	LP3	1
Add-A-Leaf	ISL6010	1

SUSPENSION KIT

Performance w/ Gas Shocks	TOY066BKG
Performance w/ Foam Cell	TOY066BKF
Performance w/ Foam Cell Pro	TOY066BKP

• Specify front Coil Springs when ordering

SUSPENSION KIT CONTENTS

Shock Absorbers	Coil Springs	U-Bolts	Centre Bearing Spacer Kit
Strut Shock Absorbers	Leaf Springs	Polyurethane Spring Bushes	



Product	Part No.	Qty Req
FRONT SUSPENSION		
SHOCK ABSORBER		
Foam Cell Strut	24780FE	2
Foam Cell Pro Strut	45780FE	2
<ul style="list-style-type: none"> • Height adjustable with Ironman 4x4 Strut Trim Packers • Foam Cell Pro - Must use TOY063B or TOY063C Front Coil Springs 		
COIL SPRINGS		
	Est. Lift	Additional Load
Performance	60mm	0 - 50kg
Constant Load	60mm	50 - 110kg
<ul style="list-style-type: none"> • Not compatible with Foam Cell Pro, refer note above 		
STRUT MOUNTS		
Steel Strut Top	ISST005	2
TRIM PACKERS		
5mm Foam Cell Strut Trim Packer	HILFR05F	2
10mm Foam Cell Strut Trim Packer	HILFR10F	2
15mm Foam Cell Strut Trim Packer	HILFR15F	2
<ul style="list-style-type: none"> • ONLY Compatible with Ironman 4x4 Struts (except Pro), lift height subject to 1:2 motion ratio. Unnecessary fitment may lift vehicle too high 		
REAR SUSPENSION		
SHOCK ABSORBER		
Foam Cell	24781FE	2
Foam Cell Pro	45781FE	2
LEAF SPRINGS		
	Est. Lift	Additional Load
Performance	60mm	0 - 200kg
U-BOLTS		
U-Bolt Kit	678UBK	2
POLYURETHANE SPRING BUSHES		
Bush Kit	1196UK	1
SPACER KIT		
Brake Hose Relocation Kit	1197K	1
GREASABLE SHACKLES AND PINS		
Greasable Shackle	1150	2
HELPER SPRINGS		
Load Plus Helper Springs	LP4	1
SUSPENSION KIT		
Performance w/ Foam Cell	TOY070BKF	
Performance w/ Foam Cell Pro	TOY070BKP	
<ul style="list-style-type: none"> • Specify front Coil Springs when ordering 		

SUSPENSION KIT CONTENTS

Shock Absorbers	Coil Springs	U-Bolts	Brake Hose Relocation Kit
Strut Shock Absorbers	Leaf Springs	Polyurethane Spring Bushes	



Product

Part No.

**Qty
Req**

FRONT SUSPENSION

SHOCK ABSORBER

Nitro Gas **12755GR** 2

COIL SPRINGS

	Est. Lift	Additional Load		
Performance	50mm	0 - 50kg	TROL001B	1

REAR SUSPENSION

SHOCK ABSORBER

Nitro Gas **12755GR** 2

COIL SPRINGS

	Est. Lift	Additional Load		
Performance	50mm	0 - 200kg	TROL002B	1

SUSPENSION KIT

Performance w/ Gas Shocks **TROL001BKG**

TROLLER

SUSPENSION KIT CONTENTS

- Shock Absorbers
- Coil Springs



TROLLER

Product			Part No.	Qty Req
FRONT SUSPENSION				
SHOCK ABSORBER				
Nitro Gas			12765GR	2
COIL SPRINGS				
Performance	Est. Lift 45mm	Additional Load 0 - 50kg	TROL003B	1
REAR SUSPENSION				
SHOCK ABSORBER				
Nitro Gas			12765GR	2
COIL SPRINGS				
Performance	Est. Lift 45mm	Additional Load 0 - 200kg	TROL004B	1
SUSPENSION KIT				
Performance w/ Gas Shocks			TROL003BKG	

SUSPENSION KIT CONTENTS

- Shock Absorbers
- Coil Springs



Product	Part No.	Qty Req
FRONT SUSPENSION		
SHOCK ABSORBER		
Nitro Gas	12652GR	2
Foam Cell	24652FE	2
COIL SPRINGS		
	Est. Lift	Additional Load
Performance	45mm	0 - 80kg
	IMAZ001B	1
REAR SUSPENSION		
SHOCK ABSORBER		
Nitro Gas	12698GR	2
Foam Cell	24698FE	2
LEAF SPRINGS		
	Est. Lift	Additional Load
Performance	45mm	0 - 300kg
	IMAZ002B	2
U-BOLTS		
U-Bolt Kit	678UBK	2
POLYURETHANE SPRING BUSHES		
Bush Kit	1188UK	1
GREASABLE SHACKLES AND PINS		
Greasable Shackle	1189	2
SUSPENSION KIT		
Performance w/ Gas Shocks	IMAZ001BKG	
Performance w/ Foam Cell	IMAZ001BKF	

SUSPENSION KIT CONTENTS

Shock Absorbers	Leaf Springs	Polyurethane Spring Bushes
Coil Springs	U-Bolts	Shackles



UAZ

Product

Part No.

Qty Req

FRONT SUSPENSION

SHOCK ABSORBER

Nitro Gas 12637GRS 2

Foam Cell 24637FES 2

COIL SPRINGS

Est. Lift Additional Load

Performance 45mm 0 - 80kg **IMAZ001B** 1

REAR SUSPENSION

SHOCK ABSORBER

Nitro Gas 12698GR 2

Foam Cell 24698FE 2

LEAF SPRINGS

Est. Lift Additional Load

Performance 45mm 0 - 300kg **IMAZ002B** 2

U-BOLTS

U-Bolt Kit 678UBK 2

POLYURETHANE SPRING BUSHES

Bush Kit 1188UK 1

GREASABLE SHACKLES AND PINS

Greasable Shackle 1189 2

SUSPENSION KIT

Performance w/ Gas Shocks **IMAZ001BKG1**

Performance w/ Foam Cell **IMAZ001BKF1**

SUSPENSION KIT CONTENTS

Shock Absorbers	Leaf Springs	Polyurethane Spring Bushes
Coil Springs	U-Bolts	Greasable Shackles



Product

Part No.

**Qty
Req**

FRONT SUSPENSION

SHOCK ABSORBER

Nitro Gas Strut			12725GR	2
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• Height adjustable with Ironman 4x4 Strut Trim Packers

COIL SPRINGS

	Est. Lift	Additional Load		
Performance 4cyl	30mm	0 - 50kg	VOLKS001B	1
Constant Load or V6	30mm	50 - 110kg	VOLKS001C	1
Constant Load V6	30mm	50 - 110kg	VOLKS001D	1

TRIM PACKERS

5mm Nitro Gas Strut Trim Packer			HILFR05	2
10mm Nitro Gas Strut Trim Packer			HILFR10	2
15mm Nitro Gas Strut Trim Packer			HILFR15	2

• ONLY Compatible with Ironman 4x4 Struts, lift height subject to 1:2 motion ratio. Unnecessary fitment may lift vehicle too high

REAR SUSPENSION

SHOCK ABSORBER

Nitro Gas			12726GR	2
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LEAF SPRINGS

	Est. Lift	Additional Load		
Performance	35mm	0 - 300kg	VOLKS002B	2
Constant Load	35mm	200 - 400kg	VOLKS002C	2

U-BOLTS

U-Bolt Kit			415UBK	2
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POLYURETHANE SPRING BUSHES

Bush Kit	32mm Shackle Bushes		1190UK	1
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HELPER SPRINGS

Load Plus Helper Springs			LP4	1
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SUSPENSION KIT

Performance w/ Gas Shocks	VOLKS001BKG
Constant Load w/ Gas Shocks	VOLKS001CKG

• Specify front Coil Springs when ordering

SUSPENSION KIT CONTENTS

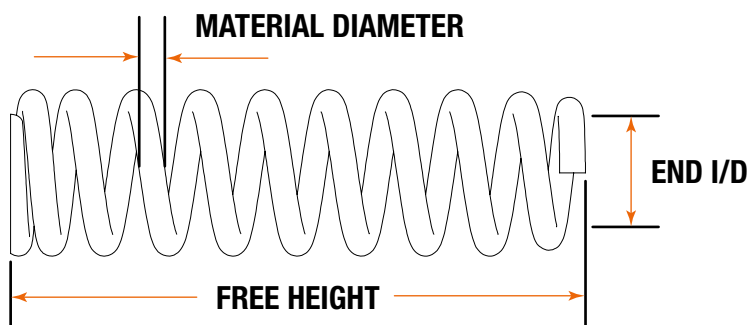
Shock Absorbers	Coil Springs	U-Bolts
Strut Shock Absorbers	Leaf Springs	Polyurethane Spring Bushes



Lined writing area consisting of 30 horizontal lines.



Part Number	Material	Free Height	End I/D	Spring Rate N/mm	Spring Rate lbf/in
FOR001A	18.5	355	80	152	869
FOR001B	18.5	360	80	173	989
FOR001C	18.5	367	80	173	989
FOR001S	18	350	80	158	903
FOR003S	18	475	90/135	40-56	228-320
FOR003B	18	505	90/135	40-56	228-320
FOR003C	18	515/520	90/135	56	320
HOLD008B	16.4	425	104	43	246
HOLD008C	17	420	106	48	274
HOLD020A	16.5	382	66/76	106	606
HOLD020B	17	375	66/76	117	669
HOLD020C	18	368	66/76	147	840
HOLD020S	17	362	66/76	117	669
HOLD022A	15	400	66	40	228
HOLD022B	16	410	65	47	269
HOLD022S	15	380/375	65	40	228
HOND001B	13	360	61/70	52	297
HOND002B	13.5	420	72/79	40	229
HYUND003B	17	407	148	33	189
IMAZ001B	16	395	102	49	280
JEEP003B	15	432/436	65/100	37	211
JEEP006B	14	380/375	62/102	32	183
JEEP007B	15	440/435	66/100	36	206
JEEP008B	16	345/335	72	35	200
JEEP012B	15	420/410	98	39	223
JEEP013B	16	350/340	75	43	246
JEEP014B	16.5	375	82	78	446
JEEP014C	16.5	382	82	78	446
JEEP015B	17	323	85/115	38	217
JEEP016B	15.5	465	70/102	38	217
JEEP017B	15	460/450	73/103	32	183
JEEP017C	15.5	460/450	73/103	36	206
JEEP018A	15.5	388	52/103	40	229
JEEP018B	16	388	52/103	45	257
JEEP019B	15	500	73/103	32	183
JEEP020B	16	417	56/103	43	246



All measurements are in mm unless otherwise stated



Part Number	Material	Free Height	End I/D	Spring Rate N/mm	Spring Rate lbf/in
JEEP025B	15.5	448	80/103	57	326
JEEP025C	15.5	463	80/103	57	326
JEEP026B	20	368	55/90	114	650
JEEP026C	21	365	55/90	154	879
LADA001B	16	285	92	89	509
LADA002B	14	435	100	32	183
LAND005B	17	400	118	41	234
LAND006B	20	405	134	82	469
LAND006C	21	440	134	82	469
LAND007B	16	390/382	118	41	234
LAND009B	16	405/395	117	36	206
LAND011B	17	425/420	117	46-53	262-302
LAND011C	18	425/420	118	56-64	319-365
LAND014B	15	410/390	117	30	171
LAND019B	17	415	90	83	474
LAND019C	17	427	90	83	474
LAND020B	21	402	80/100	82	469
LAND020C	21	415	80/100	88	503
MAH003B	15	405	97	46	263
MERC015B	14.5	495/485	110	28	160
MERC016B	18	445/433	140	28-44	159-251
MIT020B	17	405/400	145	34	194
MIT020C	18	420	148	39	223
MIT022B	16	410/400	145	27	154
MIT025B	17	390	124	45	257
MIT034B	16	367	140	35	200
MIT035B	14	315/305	120	40	229
MIT038B	19	323	72/93	141	806
MIT038C	19	336	72/93	141	806
MIT039A	21	330/320	113	137-166	782-947
MIT039B	21	350/340	113	137-166	782-948
MIT039C	22	335	113	162-196	925-1119
MIT040A	17	328	64/93	105	600
MIT040B	18	320	64/93	118	674
MIT040C	19	315	64/93	147	840
MIT040S	18	310	64/93	118	674
MIT042A	17	380	145	32	183
MIT042B	17	403	145	32	183
MIT042C	18	360	146	50	286
MIT042S	17	360	145	32	183
NISS007B	16	415/400	89/122	36.9	211
NISS008B	17	490/480	139	33	189
NISS009B	17	410/387	87/122	46	263
NISS009C	18	415/398	89/122	58	331

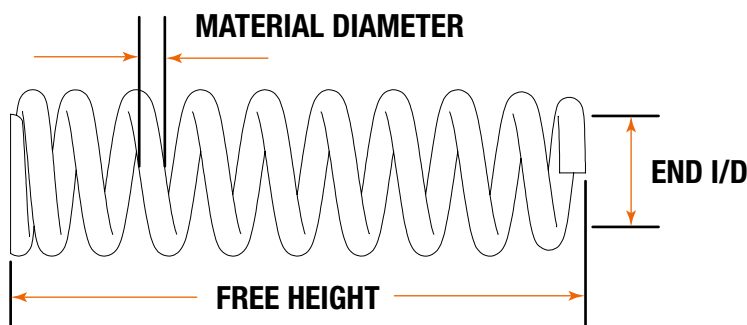
All measurements are in mm unless otherwise stated



COIL SPRINGS

SPECIFICATIONS

Part Number	Material	Free Height	End I/D	Spring Rate N/mm	Spring Rate lbf/in
NISS010B	19	468/448	139	50	286
NISS010C	19	488/470	139	46	263
NISS018B	14	427	106	34	194
NISS020B	19	490/480	139	50	286
NISS020C	20	475/458	139	60	343
NISS020D	22	475/453	139	85	486
NISS024B	17	425/410	87/122	46	263
NISS026B	18	484/469	87/122	48	274
NISS027B	20	535/521	139	52	297
NISS027C	21	552/540	139	70	400
NISS034B	16	400	119/146	28	160
NISS035B	15	370	126	29	166
NISS038B	15	325	134/146	36	206
NISS039B	15	325	114/146	36	206
NISS040A	16	375	81	89	508
NISS040B	17	370	81	97	554
NISS040C	17	380	81	97	554
NISS040D	17.5	380	81	108	617
NISS042B	19	443	119	75	429
NISS042C	20	443	119	90	514
NISS043B	19	525/510	87/122	48	274
NISS044B	21	590/575	139	49	280
NISS044C	22	585/570	141	74	422
NISS045A	20	373	101	135	771
NISS045B	20	385	101	135	771
NISS045C	20	390	101	135	771
NISS046A	21	515	119	90	514
NISS046B	21	522	119	90	514
NISS046C	21.5	528	119	99	566
NISS058A	16	445	84/121	35-45	200-256
NISS058B	16	445	84/121	35-60	200-342
NISS058C	18	425	84/121	57	325
NISS058D	19	425	84/121	74	423
REN001B	13.5	400	99/117	30	171
REN002B	14	385	99/117	35	200
SSANG002B	16	410	116	41	234



All measurements are in mm unless otherwise stated

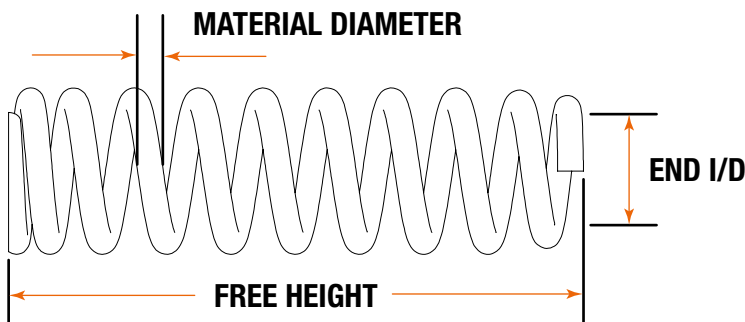


Part Number	Material	Free Height	End I/D	Spring Rate N/mm	Spring Rate lbf/in
SUB001B	15	350	123/144	34	194
SUB002B	15.5	345/340	128	38	217
SUB003B	15.5	355	123	29	166
SUB004B	15	365	99	39	223
SUZ003B	16	280	70/80	103	589
SUZ004B	12	345	70/82	25	143
SUZ005B	16	290	70/80	103	589
SUZ006B	13	340	72/82	33	189
SUZ008B	11	325/320	70/82	27	154
SUZ009B	12	372	75/82	29	166
SUZ010B	11.5	348/328	75/84	27	154
SUZ011B	11.5	335	75/84	27	154
SUZ013B	12.5	345	62/80	33	189
SUZ015B	16	320	72/82	86	491
SUZ016B	12.5	360	62/80	33	189
SUZ017B	16	340	72/82	86	491
SUZ018B	14	360	63/96	35	200
SUZ019B	16	385	125	42	240
SUZ019C	16	395	125	42	240
SUZ020A	16.5	363	72	77	440
SUZ020B	17	366	72	88	503
TOY012C	19	515/520	84/119	49	280
TOY013B	18	485/495	108/140	40	229
TOY013C	20	490/497	108/140	57	326
TOY013D	21	490/495	108/140	72	411
TOY017A	16	470	90	54-60	308-342
TOY017B	16	463	90	59	337
TOY017S	16	455	90	54-60	308-342
TOY018B	14	395/380	86/100	35	200
TOY019B	16	420/405	86/125	38	217
TOY023B	16	390/385	103/133	31	177
TOY023C	17	375/370	103/134	39	223
TOY024B	17	480/485	81/116	41	234
TOY024C	17	500/505	82/117	41	234
TOY025B	18	473/483	108/139	40	229
TOY025C	19	460/475	107/139	48	274
TOY025D	22	470/478	108/140	70	400
TOY038B	16	348/357	67/76	108	617
TOY038C	17	357	67/76	133	760
TOY039A	15	398	74/114	31-36	177-205
TOY039B	15	410	74/114	31-36	177-206
TOY039C	17	385	74/114	45-51	256-291
TOY046A	16	470	86/100	50	286
TOY046B	17	458	86/100	59	337

All measurements are in mm unless otherwise stated



Part Number	Material	Free Height	End I/D	Spring Rate N/mm	Spring Rate lbf/in
TOY046C	18	450	85/100	72	411
TOY048B	14	438	100	34	194
TOY048C	14.5	428	100	39	223
TOY049B	17	450	87/125	34	194
TOY049C	18	440	87/125	44	251
TOY055A	16.5	380	66/76	106	606
TOY055B	17	380	66/76	117	669
TOY055C	18	375	66/76	143	817
TOY056A	16.5	400	83/130	41	234
TOY056B	17	395	83/130	49	280
TOY056C	18	392	85/129	62	354
TOY060B	20	614/622	84/119	44	251
TOY061B	21	627/637	108/140	43	246
TOY061C	22	565/572	108/140	68	388
TOY063S	19	425/415	74/89	113	645
TOY063A	19	450/440	74/89	102	583
TOY063B	19	465/455	74/89	102	583
TOY063C	19	470/460	74/89	102	583
TOY064S	18	457/442	108/144	42	240
TOY064A	19	440/425	108/144	47	269
TOY064B	19	470/455	108/144	47	269
TOY064C	21	465/455	108/144	65	371
TOY064EA	20	475/465	108/144	50	286
TOY065B	18	375	66/76	145	827
TOY065C	18	380	66/76	145	827
TOY067B	18	300	82/122	90	514
TOY070B	20	412	65/88	132	754
TOY070C	20	422	65/88	132	754
TR0L001B	15.5	390	94	58	331
TR0L002B	15.5	430	102	39	223
TR0L003B	15.5	395	85	52	297
TR0L004B	15	435	99	38	216
VOLKS001B	17.5	330	65/90	120	686
VOLKS001C	18	330	65/90	137	783
VOLKS001D	18	335	65/90	137	783

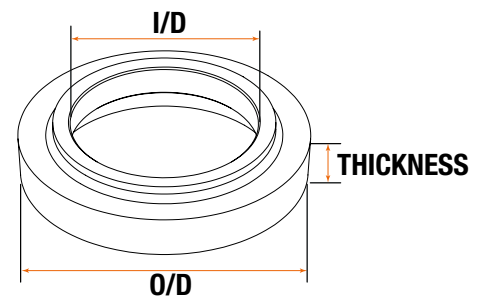


All measurements are in mm unless otherwise stated



SPECIFICATIONS

Part Number	O/D	I/D	Thickness	Material
HILFR05	63	54.5	5	Steel
HILFR05F	63	60.5	5	Steel
HILFR10	63	54.5	10	Steel
HILFR10F	63	60.5	10	Steel
HILFR15	63	54.5	15	Steel
HILFR15F	63	60.5	15	Steel
LC70F30	138	86	30	Polyurethane
LCF20	160	114.5	20	Polyurethane
LCF30	160	114.5	30	Polyurethane
LCPR20	168	108	20	Polyurethane
LCPR25	168	108	25	Polyurethane
LCR15	187	133.5	15	Polyurethane
PATF15	172	116	15	Polyurethane
PATF30	172	116	30	Polyurethane
PATR15	180	120	15	Polyurethane
PATR30	180	120	30	Polyurethane



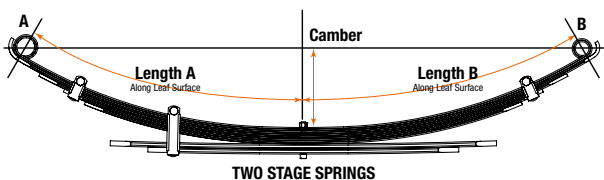
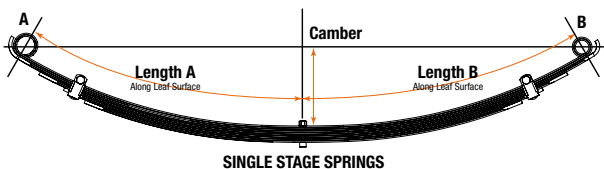
All measurements are in mm unless otherwise stated



LEAF SPRINGS

SPECIFICATIONS

Part Number	Length A	Length B	Camber	Leaves	Width	Eye A	Eye B
F0R002A	590	730	130	5+2	60	55	32
F0R002B	590	730	140	5+2	60	55	32
F0R002C	590	730	155	6+2	60	55	32
H0LD004A	550	650	250/240	5+1	60	40	30
H0LD004B	550	650	250/240	5+1	60	40	30
H0LD004C	550	650	250/240	6+1	60	40	30
H0LD006A	603	602	220	4+1	60	40	30
H0LD006B	603	602	215	5+1	60	40	30
H0LD006C	603	602	215	6+2	60	40	30
H0LD006D	603	602	215	6+2	60	40	30
H0LD021A	607	763	155	5+2	60	40	30
H0LD021B	607	763	165	5+2	60	40	30
H0LD021C	607	763	170	6+2	60	40	30
H0LD021D	607	758	170	6+2	60	40	30
H0LD023B	650	650	175	5+2	60	40	30
H0LD023C	650	650	175	6+2	60	40	30
IMAZ002B	650	700	165	8	60	42	42
ISL6010	270	270	48	1	60		
JEEP004B	585	725	195/175	5+2	63	64.5	44.3
MAH002B	612	610	185	5+2	70	35	35
MAZDA006A	530	670	165	5+1	60	32	32
MAZDA006B	530	675	150	6+2	60	32	32
MAZDA006C	530	675	165	6+2	60	32	32
MAZDA006D	530	675	150	7+2	60	32	32
MAZDA041A	590	730	140	4+2	60	40	32
MAZDA041B	590	730	140	4+2	60	40	32
MAZDA041C	590	720	140	5+2	60	40	32
MAZDA041D	590	720	130	6+2	60	40	32
MITSO18A	520	685	200	4+1	70	32	28
MITSO18B	515	685	195	4+1	70	32	28
MITSO18C	518	688	190	5+1	70	32	28
MITSO41A	515	685	140	4+1	70	32	28
MITSO41B	515	685	145	4+1	70	32	28
MITSO41C	515	685	155	5+1	70	32	28



All measurements are in mm unless otherwise stated



Part Number	Length A	Length B	Camber	Leaves	Width	Eye A	Eye B
MITSO47A	550	775	140	5+1	60	40	28
MITSO47B	550	775	140	5+1	60	40	28
MITSO47C	550	775	140	5+2	60	40	28
NISS003B	560	550	185/170	6	60	22	33
NISS004B	604	838	250/235	8	60	33	33
NISS005B	560	550	185/170	6	60	40	33
NISS011C	550	550	180/170	7	70	40	35
NISS012C	595	825	217/200	7+2	70	35	35
NISS012D	600	830	240/225	7+3	70	35	35
NISS014A	565	635	145/135	4+2	60	40	33
NISS014B	565	635	130/120	4+1	60	40	33
NISS014C	565	635	130/120	5+1	60	40	33
NISS021B	650	580	200	8	60	33	40
NISS041B	670	735	195	5+1	60	40	33
NISS041C	670	730	190	6+1	60	40	33
NISS041D	670	730	180	7+2	60	40	33
NISS047B	635	715	195	7+1	60	40	33
NISS049B	700	650	230	5+1	60	40	33
NISS057B	670	605	175	5+2	60	40	33
NISS057C	670	605	175	6+2	60	40	33
SUZ001B	480	470	120/110	5	50	30	40
SUZ002B	510	520	175/155	4+1	50	40	30
TOY001B	505	610	160	7	70	25	25
TOY002B	505	620	180	7	70	25	25
TOY003C	660	660	230	7+3	70	30	30
TOY004B	505	610	160	7	70	35	35
TOY004C	502	603	155	8	70	35	35
TOY005C	655	675	230	7+3	70	35	35
TOY006B	550	550	150	7	70	35	35
TOY006C	550	550	175	8	70	35	35
TOY006D	550	550	175	9	70	35	35
TOY007A	565	655	230/220	7	70	35	35
TOY007B	565	645	220/205	6+1	70	35	35
TOY007C	565	655	230/220	7+1	70	35	35
TOY008B	550	590	180	7	70	35	35
TOY008C	550	590	180	8	70	35	35
TOY009B	600	730	210	6+2	70	40	40
TOY009C	603	720	210	7+2	70	40	40
TOY009D	600	720	215	8+2	70	40	40
TOY009E	605	720	220	9+2	70	40	40
TOY010B	575	575	135/115	5	60	30	30
TOY010C	575	575	130/110	6	60	30	30
TOY011B	530	670	200	4+2	60	30	30
TOY011C	530	67	210	5+2	60	30	30

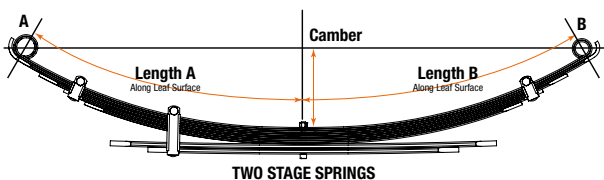
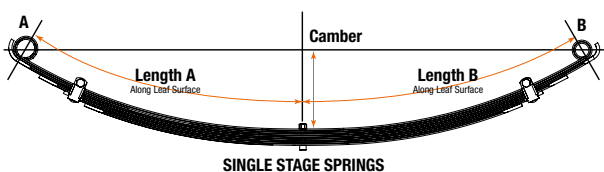
All measurements are in mm unless otherwise stated



Part Number	Length A	Length B	Camber	Leaves	Width	Eye A	Eye B
TOY027A	560	740	200	6+2	60	40	30
TOY027B	560	740	200	4+2	60	40	30
TOY027C	560	740	200	5+2	60	40	30
TOY034B	505	630	205	7	70	35	35
TOY047A	690	815	245	7+2	70	40	40
TOY047B	690	815	245	8+2	70	40	40
TOY047C	690	815	245	9+2	70	40	40
TOY047D	690	815	245	9+2	70	40	40
TOY047E	693	815	265	9+2	70	40	40
TOY057A	610	690	180	6+2	60	40	30
TOY057B	610	690	200	4+2	60	40	30
TOY057C	610	690	200	5+2	60	40	30
TOY057D	610	690	200	6+2	60	40	30
TOY062B	615	785	245	7+2	70	40	40
TOY062C	615	785	245	8+2	70	40	40
TOY066B	705	705	185/175	5+2	60	40	40
TOY068B	590	685	200	4+2	60	40	30
TOY068C	590	685	190	6+2	60	40	30
TOY071B	800	815	200	4+2	60	40	40
TOY077A	700	700	180	5+2	60	40	30
TOY077B	700	700	180	5+2	60	40	30
TOY077C	700	700	180	6+2	60	40	30
TOY077D	700	700	180	6+2	60	40	30
VOLKS002B	750	760	255	5+2	70	60	46
VOLKS002C	750	760	255	6+2	70	60	46

SPARE PARTS

099	3/8" x 4" Centre Bolt
098	5/16" x 4" Centre Bolt
CLINER001	Plastic Clip Liner
AFPAD001	Plastic Anti-Friction Pad

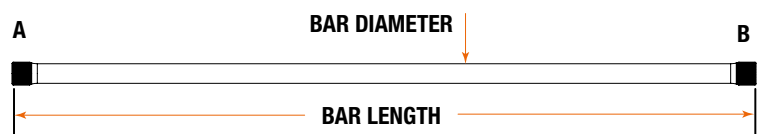


All measurements are in mm unless otherwise stated



SPECIFICATIONS

Part Number	Length	Diameter	A End Spline Count	B End Spline Count
HOLD005A	1000	26	43	43
HOLD007	1000	26	47	47
HOLD009	1220	30	47	47
HOLD010	1144	30	47	47
HYUND004	1275	29.3	43	43
MAZDA005	924	26	40	40
MAZDA014	1025	27	40	40
MAH001	1063	28	43	43
MITSO13	1278	26	39	40
MITSO15C	1370	27.5	39	40
MITSO19	1308	27.5	39	40
MITSO31	1165	24	40	40
NISS013	1203	26	39	39
NISS017	1232	26	39	39
NISS025	894	26	39	39
NISS048	866	26	39	39
SSANG001	1040	26	40	40
TOYO26	1063	26	43	40
TOYO42	1212	26.5	40	40
TOYO50	1160	32	46	46
TOYO51	1210	32	46	46



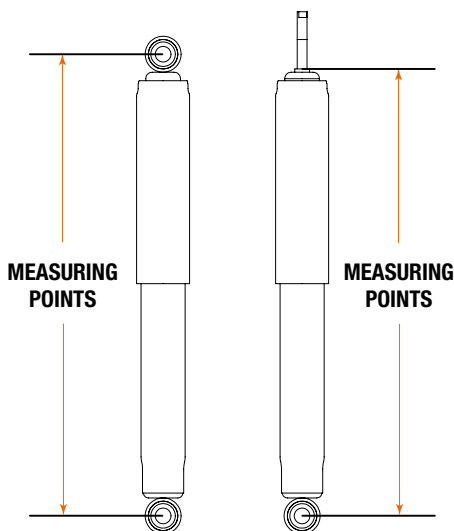
All measurements are in mm unless otherwise stated



SHOCK ABSORBERS - NITRO GAS

SPECIFICATIONS

Part Number	Extended (mm)	Compressed (mm)	Upper Mount Type	Upper Replacement	Lower Mount Type	Lower Replacement
12075GR	487	296	ST1	2244K	ST1	2244K
12076GR	583	347	B1	632RF	ST1	2244K
12080GR	552	332	ST38	656RK	ST38	656RK
12081GR	631	388	B2	635RK	B2	635RK
12082GR	342	227	ST1	2244K	CB7	CB7
12083GR	505	310	STEM 57 X M14	-	CLEVIS	-
12085GR	485	298	ST1	2244K	B1	632RF
12086GR	500	313	B1	632RF	B1	632RF
12087GR	350	230	ST1	2244K	ET17	ET17
12088GR	368	245	ST1	2244K	ET113	ET113
12089GR	510	320	ST1	2244K	ET83	-
12091GR	510	310	ST38	656RK	ST38	656RK
12094GR	655	402	B2	635RK	B2	635RK
12095GR	631	382	ET104	ET104	ET69	ET69
12635GR	485	307	B1	632RF	B1	632RF
12636GR	588	357	B1	632RF	B1	632RF
12637GR	577	348	ST1	2244K	B2	635RK
12639GR	484	298	ST1	2244K	ET17	ET17
12640GR	564	343	B2	635RK	ST38	656RK
12643GR	412	261	ST6	2244AK	ET17	ET17
12644GR	510	320	ET153	-	ET36	-
12645GR	531	333	B1	632RF	ET142	-
12645GRS	520	328	B1	632RF	ET142	-
12646GR	495	310	ST1	2244K	ET113	ET113
12648GR	640	385	B2	635RK	ST1	2244K
12650GR	593	364	B2	635RK	B2	635RK
12652GR	540	333	B1	632RF	B1	632RF
12658GR	510	320	ST1	2244K	ET83	-
12661GR	535	329	ST1	2244K	B2	635RK
12665GR	565	345	ST1	2244AK	CB7	CB7



All measurements are in mm unless otherwise stated



Part Number	Extended (mm)	Compressed (mm)	Upper Mount Type	Upper Replacement	Lower Mount Type	Lower Replacement
12666GR	560	340	CB20	CB20	B5	-
12667GR	381	245	ST1	2244K	ET17	ET17
12669GR	560	340	CB20	CB20	ET24	-
12670GR	562	343	B5	-	ET24	-
12671GR	627	372	ST1	2244K	B1	632RF
12682GR	618	373	ST38	656RK	B2	635RK
12682GRC	618	373	ST38-1	ST38-1	ET38	ET38
12683GR	615	365	ST38	656RK	ST38	656RK
12691GR	462	343	ST38	656RK	ET153	ET153
12696GR	570	347	ET161	-	ST1	2244K
12697GR	520	322	B2	635RK	ST1	2244K
12698GR	624	381	B1	632RF	B1	632RF
12710GR	564	432	STEM 95 X M12	ST710RK	ET153-1	ET153-1
12711GR	317	205	STEM 68 X M10	-	-	-
12712GR	570	355	ET19	-	ET141	-
12712LGR	700	416	ET19	-	ET141	-
12713GR	470	325	STEM 86 X M10	-	ET158	ET158
12714GR	575	350	ST1	ST714RK	ET159	-
12715GR	423	305	STEM 71 X M10	-	ET158-1	ET158-1
12716GR	388	283	STEM 85 X M12	656R	ET153-2	ET153-2
12717GR	575	352	B1	632RF	ET34	ET34
12718GR	380	265	ET159	-	ET159	-
12720GR	600	435	STEM 69 X M14	ST720RK	ET113-1	ET113-1
12721GR	607	382	STEM 28 X M14	-	CLEVIS	-
12722GR	545	340	ET83	-	ET83	-
12725GR	615	460	STEM 56 X M12	-	FORK	-
12726GR	602	365	ET69	ET69	ET69	ET69
12727GR	512	378	STEM 65 X M12	ST727RK	ET154	ET154
12728GR	608	369	B1	632RF	ET34	ET34
12729GR	560	343	B1	632RF	B1	632RF
12730GR	560	425	STEM 68 X M12	ST710RK	ET153-1	ET153-1
12731GR	540	333	ET69	ET69	ET69	ET69
12732GR	580	380	STEM 33 X M12	-	ET162	-
12735GR	830	667	STEM 35 X M12	-	CLEVIS	-
12738GR	830	667	STEM 35 X M12	-	CLEVIS	-
12740GR	452	299	STEM 81 X M12	-	ET158-2	ET158-2
12742GR	564	356	ST42	-	ET160	ET160
12743GR	575	346	ST10	ST10RK	B2	635R
12744GR	609	361	ST10	ST10RK	ET17	ET17
12745GR	495	359	STEM 64 x M12	ST710RK	ET153	ET153
12746GR	605	360	ST1	2244K	ET17	ET17
12747GR	625	400	STEM 45 x M14	-	CLEVIS	-
12748GR	711	450	STEM 45 x M14	-	CLEVIS	-

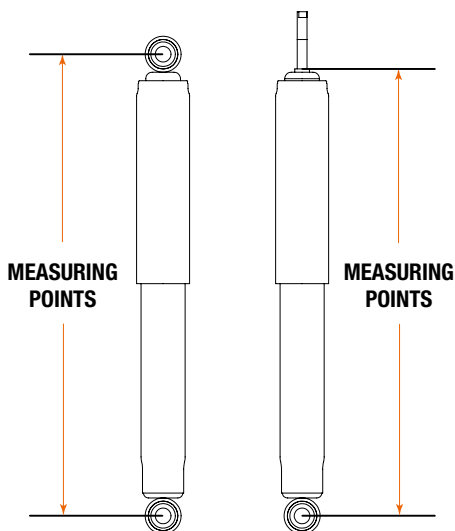
All measurements are in mm unless otherwise stated



SHOCK ABSORBERS - NITRO GAS

SPECIFICATIONS

Part Number	Extended (mm)	Compressed (mm)	Upper Mount Type	Upper Replacement	Lower Mount Type	Lower Replacement
12749GR	530	325	ET69	ET69	B1	632RF
12750GR	562	425	STEM 68 X M12	ST710RK	ET153-3	ET153-3
12751GR	575	325	ST38	656RK	ET69	632RF
12751LGR	650	382	ST38	656RK	ET69	632RF
12752GR	617	374	CB35	CB35	ET69	632RF
12752LGR	665	396	CB35	CB35	ET69	632RF
12755GR	625	381	ET113	-	ET113	-
12756GR	430	286	ET173	-	ET173	-
12757GR	650	390	CB34	-	ET34	-
12759GR	450	290	ST1	2244K	ET17	ET17
12760GR	500	310	ET17	ET17	ET17	ET17
12764GR	440	307	STEM 70 x M12	-	ET153	ET153
12765GR	625	380	ET163	-	ET163	-
12774GR	550	330	ST6	2244AK	CB7	CB7
12775GR	575	350	ET61	-	ET65	-
12776GR	587	362	ET172	-	CB34	-
12777GR	587	362	ET172	-	ET172	-
12780GR	613	450	STEM 68 x M12	ST710RK	ET113-1	ET113-1
12781GR	650	384	ST38	ST21RK	ET38-2	ET38-2
12791GR	310	215	ST1	2244K	ET17	ET17
12795GR	441	290	ST21	ST21RK	ET153	-
12796GR	619	369	ST21	ST21RK	B2	635RK
12797GR	415	295	STEM 64 X M12	ST710RK	ET153-1	ET153-1
12804GR	535	345	CB159	-	ET38	ET38
12807GR	451	344	STEM 48 X M10	-	CB160	-
12808GR	673	404	ET164	-	ET164	-
12809GR	461	354	STEM 55 X M10	-	CB160	-
12810GR	605	375	ET164	-	ET164	-



All measurements are in mm unless otherwise stated



SPECIFICATIONS

Part Number	Extended (mm)	Compressed (mm)	Upper Mount Type	Upper Replacement	Lower Mount Type	Lower Replacement
24080FE	552	332	ST38	656RK	ST38	656RK
24081FE	631	388	B2	635RK	B2	635RK
24082FE	342	227	ST1	2244K	CB7	CB7
24087FE	350	230	ST1	2244K	ET17	ET17
24088FE	368	245	ST1	2244K	ET113	2244K
24091FE	510	310	ST38	656RK	ST38	656RK
24091LFE	557	354	ST38	656RK	ST38	656RK
24091LFE1	597	353	ST38	656RK	ST38	656RK
24094FE	655	402	B2	635RK	B2	635RK
24094LFE	718	430	B2	635RK	B2	635RK
24094LFE1	760	450	B2	635RK	B2	635RK
24095FE	631	382	ET104	ET104	ET69	ET69
24635FE	485	307	B1	632RF	B1	632RF
24636FE	588	357	B1	632RF	B1	632RF
24637FE	577	348	ST1	2244K	B2	635RK
24639FE	484	298	ST1	2244K	ET17	ET17
24640FE	564	343	B2	635RK	ST38	656RK
24643FE	412	261	ST6	244AK	ET17	ET17
24644FE	510	320	ET153	-	ET36	-
24645FE	531	333	B1	632RF	ET142	-
24645FES	520	328	B1	632RF	ET142	-
24646FE	495	310	ST1	2244K	ET113	ET113
24648FE	640	385	B2	635RK	ST1	2244K
24650FE	593	364	B2	635RK	B2	635RK
24652FE	540	333	B1	632RF	B1	632RF
24661FE	535	329	ST1	2244K	B2	635RK
24665FE	565	345	ST1	2244K	CB7	CB7
24666FE	560	340	CB20	CB20	B5	-
24667FE	381	245	ST1	244AK	ET17	ET17
24682FE	618	373	ST38	656RK	B2	635RK
24682LFE	670	398	ST38	656RK	B2	635RK
24682LFE1	730	428	ST38	656RK	B2	635RK
24682FEC	618	373	ST38-1	ST38-1	ET38	ET38
24683FE	615	365	ST38	656RK	ST38	656RK
24683LFE	670	390	ST38	656RK	ST38	656RK
24683LFE1	730	420	ST38	656RK	ST38	656RK
24691FE	462	343	ST38	656RK	ET153	ET153
24696FE	570	347	ET161	-	ST1	2244K
24697FE	520	322	B2	635RK	ST1	2244K
24698FE	624	381	B1	632RF	B1	632RF
24710FE	540	408	STEM 95 X M12	ST710RK	ET153-1	ET153-1
24713FE	470	325	STEM 86 X M10	-	ET158	ET158
24715FE	423	305	STEM 71 X M10	-	ET158-1	ET158-1

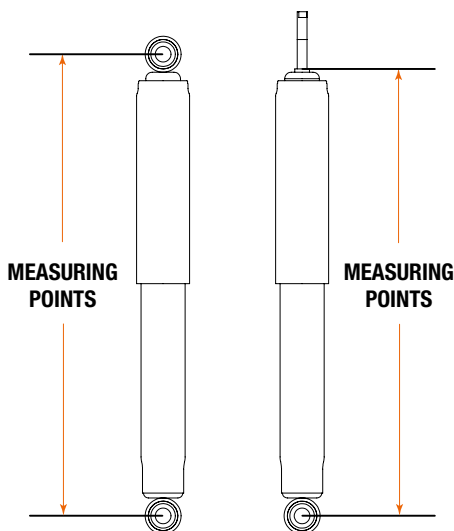
All measurements are in mm unless otherwise stated



SHOCK ABSORBERS - FOAM CELL

SPECIFICATIONS

Part Number	Extended (mm)	Compressed (mm)	Upper Mount Type	Upper Replacement	Lower Mount Type	Lower Replacement
24716FE	388	283	STEM 85 X M12	656R	ET153-2	ET153-2
24717FE	575	352	B1	632RF	ET34	ET34
24718FE	380	265	ET159	-	ET159	-
24720FE	600	435	STEM 69 X M14	ST720RK	ET113-1	ET113-1
24727FE	512	378	STEM 65 x M12	ST727RK	ET154	ET154
24728FE	608	369	B1	632RF	ET34	ET34
24729FE	560	343	B1	632RF	B1	632RF
24730FE	560	425	STEM 68 X M12	ST710RK	ET153-1	ET153-1
24732FE	580	380	STEM 33 X M12	-	ET162	-
24740FE	452	299	STEM 81 X M12	-	ET158-2	ET158-2
24742FE	564	356	ST42	-	ET160	ET160
24743FE	575	346	ST10	ST10RK	B2	635RK
24744FE	609	361	ST10	ST10RK	ET17	ET17
24745FE	495	359	STEM 64 x M12	ST710RK	ET153	ET153
24746FE	605	360	ST1	2244K	ET17	ET17
24750FE	562	425	STEM 68 X M12	ST710RK	ET153-3	ET153-3
24776FE	587	362	ET172	-	CB34	-
24777FE	587	362	ET172	-	ET172	-
24780FE	613	450	STEM 68 x M12	ST710RK	ET113-1	ET113-1
24781FE	650	384	ST38	ST21RK	ET38-2	ET38-2
24788FE	560	341	ET113	-	ST39	ST39
24789FE	576	349	ST39	ST39	ET174	ET174
24795FE	441	290	ST21	ST21RK	ET153	-
24796FE	619	369	ST21	ST21RK	B2	635RK
24804FE	535	345	CB159	-	ET38	ET38



All measurements are in mm unless otherwise stated



Part Number	Extended (mm)	Compressed (mm)	Upper Mount Type	Upper Replacement	Lower Mount Type	Lower Replacement	Seal Service Kit	Seat Insulator	Adjusting Rings
45080FE	552	358	ST38	656RK	ST38	656RK	45SK7220		
45081FE	631	400	B2	635RK	B2	635RK	45SK7220		
45081FEC	631	400	B2	635RK	B2	635RK	45SK7220		
45091FE	510	318	ST38	656RK	ST38	656RK	45SK7220		
45091LFE	557	341	ST38	656RK	ST38	656RK	45SK7220		
45091LFE1	597	361	ST38	656RK	ST38	656RK	45SK7220		
45091LFE3	860	492	ST38	656RK	ST38	656RK	45SK7220		
45094FE	658	416	B2	635RK	ET38	ET38	45SK7220		
45094LFE	718	446	B2	635RK	ET38	ET38	45SK7220		
45094LFE1	760	467	B2	635RK	ET38	ET38	45SK7220		
45094LFE3	860	516	B2	635RK	ET38	ET38	45SK7220		
45095FE	630	398	ET104	ET104	ET69	ET69	45SK7220		
45095FEC	630	398	ET104	ET104	ET69	ET69	45SK7220		
45635FE	485	343	B1	632RF	B1	632RF	45SK7220		
45636FE	587	375	B1	632RF	B1	632RF	45SK7220		
45636FEC	587	375	B1	632RF	B1	632RF	45SK7220		
45637FE	577	383	ST1	2244K	B2	635R	45SK7220		
45640FE	564	377	ET38	ET38	ST38	656RK	45SK7220		
45650FE	592	380	ST10	635RK	B2	635RK	45SK7220		
45650FEC	592	380	B2	635RK	B2	635RK	45SK7220		
45661FE	533	363	ST1	2244K	ET38	ET38	45SK7220		
45667FE	382	277	ST1	2244K	ET17	ET17	45SK6520		
45682FE	618	383	ST38	656RK	ET38	ET38	45SK7220		
45682FEC	618	383	ST38-1	ST38-1	ET38	ET38	45SK7220		
45682LFE	670	409	ST38	656RK	ET38	ET38	45SK7220		
45682LFE1	730	439	ST38	656RK	ET38	ET38	45SK7220		
45682LFE3	860	504	ST38	656RK	ET38	ET38	45SK7220		
45683FE	615	370	ST38	656RK	ST38	656RK	45SK7220		
45683LFE	670	397	ST38	656RK	ST38	656RK	45SK7220		
45683LFE1	730	427	ST38	656RK	ST38	656RK	45SK7220		
45691FE	462	342	ST38	656RK	ET153	ET153	45SK6520	45RSS001	45TAR001
45698FE	626	414	B1	632RF	B1	632RF	45SK7220		
45698FEC	626	414	B1	632RF	B1	632RF	45SK7220		
45710FE	564	432	STEM 95 x M12	ST710RK	ET153-1	ET153-1	45SK6520	45RSS001	45TAR001
45716FE	389	283	STEM 86 x M12	656RK	ET153-2	ET153-2	45SK7220	45RSS004	45TAR002
45717FE	572	369	B1	632RF	ET34	ET34	45SK7220		
45717FEC	572	369	B1	632RF	ET34	ET34	45SK7220		
45720FE	600	435	STEM 71 x M14	ST720RK	ET113-1	ET113-1	45SK7218	45RSS002	45TAR002
45727FE	512	378	STEM 65 x M12	ST727RK	ET154	ET154	45SK7220	45RSS005	45TAR002
45728FE	608	389	B1	632RF	ET34	ET34	45SK7220		
45728FEC	608	389	B1	632RF	ET34	ET34	45SK7220		
45730FE	560	425	STEM 68 X M12	ST710RK	ET153-1	ET153-1	45SK6520	45RSS001	45TAR001
45732FE	580	380	STEM 33 X M12	-	ET162	-	45SK7218		

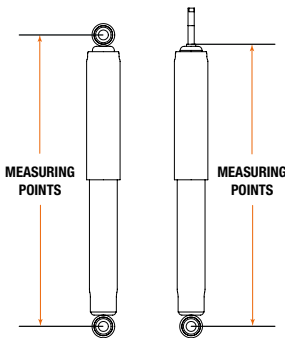
All measurements are in mm unless otherwise stated



SHOCK ABSORBERS - FOAM CELL PRO

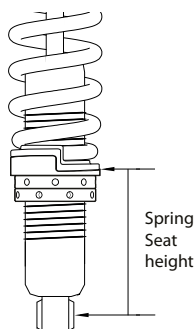
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Part Number	Extended (mm)	Compressed (mm)	Upper Mount Type	Upper Replacement	Lower Mount Type	Lower Replacement	Seal Service Kit	Seat Insulator	Adjusting Rings
45732FEC	580	380	STEM 33 X M12	-	ET162	-	45SK7218		
45740FE	452	302	STEM 81 x M12	-	ET158-2	ET158-2	45SK7220	45RSS003	45TAR002
45742FE	564	357	ST42	-	ET160	ET160	45SK7220		
45743FE	576	382	ST10	ST10RK	ET38	ET38	45SK7220		
45744FE	610	399	ST10	ST10RK	ET17	ET17	45SK7220		
45745FE	495	359	STEM 64 x M12	ST710RK	ET153-1	ET153-1	45SK6520	45RSS001	45TAR001
45746FE	605	397	ST1	2244K	ET17	ET17	45SK6520		
45746FEC	605	397	ST1	2244K	ET17	ET17	45SK6520		
45750FE	562	425	STEM 68 x M12	ST710RK	ET153-3	ET153-3	45SK6520	45RSS001	45TAR001
45751FE	575	381	ST38	656RK	B1	632RF	45SK7220		
45751LFE	650	399	ST38	656RK	B1	632RF	45SK7220		
45752FE	617	413	CB35	CB35	B1	632RF	45SK7220		
45752LFE	665	417	CB35	CB35	B1	632RF	45SK7220		
45780FE	613	450	STEM 68 X M12	ST710RK	ET113-1	ET113-1	45SK7218	45RSS002	45TAR002
45781FE	650	421	ST21	ST21RK	ET38-2	ET38-2	45SK7220		
45795FE	447	315	ST21	ST21RK	ET38-1	ET38-1	45SK7220		
45796FE	615	381	ST21	ST21RK	ET38	ET38	45SK7220		
45802FE	755	471	ET165	-	ET165	-	45SK7220		
45803FE	710	449	ET165	-	ET165	-	45SK7220		



ISHOCKTOOL001 Multi-tool for shock absorber service and strut ride height adjustment

Make	Model	Part No.	OEM Spring Seat Height	Make	Model	Part No.	OEM Spring Seat Height
Ford	Ranger	45727FE	190mm	Toyota	Hilux / Fortuner	45710FE	229mm
Holden	Colorado / Trailblazer	45745FE	190mm	Toyota	Hilux / Fortuner 2015+	45730FE	224mm
Isuzu	D-Max	45745FE	190mm	Toyota	Prado 120	45710FE	214mm
Mazda	BT50	45727FE	190mm	Toyota	Prado 150	45750FE	214mm
Nissan	Navara D40 / NP300	45716FE	105mm	Toyota	FJ Cruiser	45710FE	214mm
Nissan	Patrol Y62	45740FE	130mm	Toyota	Landcruiser 200	45720FE	220mm
Toyota	Prado 90 / 95	45691FE	163mm	Toyota	Tundra	45780FE	245mm with TOY063 Coil



Foam Cell Pro Struts feature a threaded body for ride height adjustment. Use Ironman 4x4, P/N# ISHOCKTOOL001 wrench when making adjustments. It may be necessary to unload the spring tension before making adjustments.

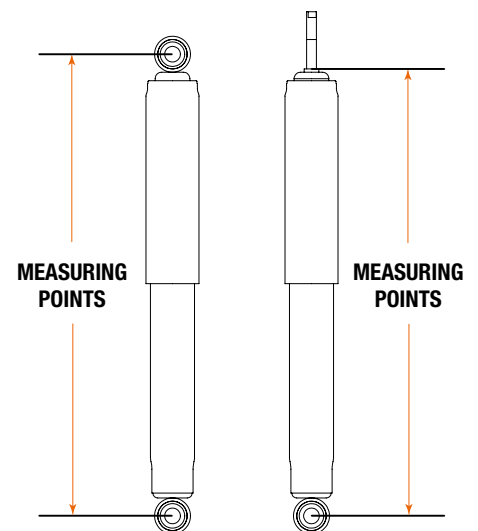
When setting ride height use the OEM shock absorber as a reference for spring seat height, or refer table above.

Many independent suspension systems incorporating struts operate at a 1:2 motion ratio. For every 1mm of movement (compression or extension) at the strut, equates to 2mm movement when measured at the wheel. This MUST be considered when adjusting seat height. For example a 10mm seat height adjustment will provide 20mm change in ride height.

Independent suspension MUST maintain at least 60mm downward travel from ride height. Raising ride height too high can damage the suspension components, impair suspension operation and safety.

All measurements are in mm unless otherwise stated

Part Number	Extended (mm)	Compressed (mm)	Upper Mount Type	Upper Replacement	Lower Mount Type	Lower Replacement
3501	550	345	B9	B9MK	B9	B9MK
3502	655	394	ET65	-	ET65	-
3511	525	310	ST1	2244K	ST1	2244K
3517	609	368	B6	-	B6	-
3521	540	340	ST1	2244K	B9	B9MK
3521S	487	293	ST1	2244K	ST1	2244K
3522	541	331	B1	632RF	B1	632RF
3523	458	322	B9	B9MK	B9	B9MK
3524	648	423	B9	B9MK	B9	B9MK
3525	748	443	B9	B9MK	B9	B9MK
3530	445	290	ET17	ET17	ET17	ET17
3532	677	439	ST1	2244K	ET57	-
3533	613	368	ET109	-	B9	B9MK
3534	577	350	ET17	ET17	B1	632RF
3536	487	292	ST1	2244K	ST1	2244K
3540	480	298	B1	632RF	ET65	-
3541	528	332	ET65	-	ET65	-



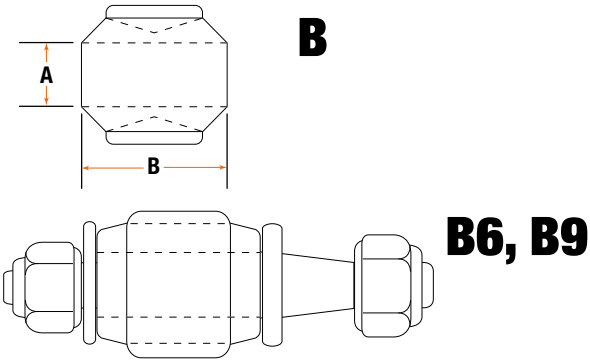
All measurements are in mm unless otherwise stated



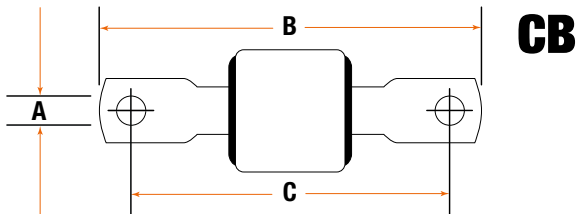
SHOCK ABSORBER MOUNT TYPES

SPECIFICATIONS

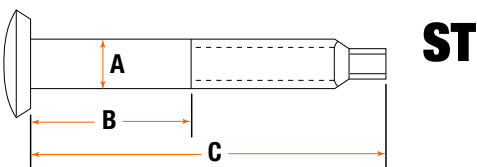
Type	A Diameter	B Length	
B1	16	36	
B2	19	43.5	
B5	15.5	33	
B6	16	36	Adaptor
B9	16	36	Adaptor



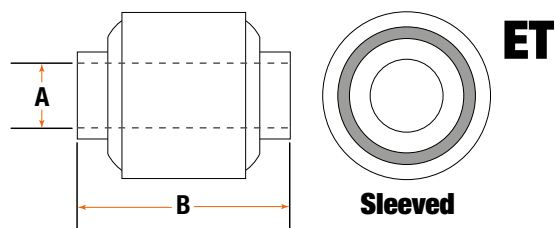
Type	A Diameter	B Length	
CB20	13	95	77
CB34	11	97	75
CB35	10	90	80
CB7	11.5	78	62
CB159	10	116	95.5
CB160	11.5	128	100



Type	A Diameter	B Length	
ST1	10	26	60
ST10	12	39	64
ST21	17	59	84
ST38	14	43	70
ST38-1	14	43	70
ST42	Rectangle M12	44	80
ST6	11	34	65



Type	A Diameter	B Length	
ET104	20	43	
ET109	10	24.1	
ET113	16	38.5	
ET113-1	16	38.5	Sleeved
ET141	12	41	
ET142	16	36.5	
ET153	14	40	Sleeved
ET153-1	14	40	Sleeved
ET153-2	14	41.5	Sleeved
ET153-3	14	41.5	Sleeved
ET154	16	38	Sleeved
ET158	14	50	Sleeved
ET158-1	14	50	Sleeved
ET158-2	14	50	Sleeved
ET159	14	48	Sleeved
ET160	14	53	Sleeved
ET161	16	70	
ET162	14	61.5	Sleeved
ET163	16	32.5	Sleeved
ET164	14.5	43	
ET165	20	55	
ET17	12	31.5	
ET172	12.4	43.5	
ET173	13	42.5	
ET19	12	46	
ET24	12.5	36	
ET34	14	41.5	
ET36	19	44	
ET38	19	45.5	
ET38-1	14	38	
ET38-2	12	39	
ET57	10	26.1	
ET61	12	46	
ET65	12	36	
ET69	12	40	
ET83	12	37.5	

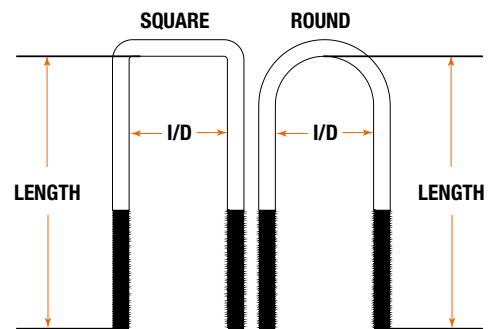


All measurements are in mm unless otherwise stated



U-BOLTS

Part Number	Type	Length	I/D	Thread	Tension Nm
415UBK	Round	215	83	M14 X 1.5 X 100	125
416UBK	Round	230	83	M14 X 1.5 X 100	125
416UBKL	Round	250	83	M14 X 1.5 X 100	125
417UBK	Round	220	88	M14 X 1.5 X 80	125
436UBK	Square	230	73	M14 X 1.5 X 100	125
437UBK	Square	175	62	M14 X 1.5 X 100	125
437UBKL	Square	190	62	M14 X 1.5 X 100	125
449UBK	Square	230	83	M14 X 1.5 X 100	125
451UBK	Round	190	75	M12 X 1.5 X 75	75
452UBK	Square	120	63	M12 X 1.5 X 75	75
453UBK	Round	230	97	M14 X 1.5 X 100	125
512UBK	Round	160	70	M12 X 1.5 X 65	75
654UBK	Round	165	82	M12 X 1.5 X 75	75
655UBK	Round	140	70	M12 X 1.5 X 65	75
668UBK	Square	230	73	M14 X 1.5 X 100	125
669UBK	Square	230	73	M14 X 1.5 X 100	125
670UBK	Round	230	95	M14 X 1.5 X 100	125
678UBK	Square	200	62	M14 X 1.5 X 70	125
788UBK	Square	190	63	M12 X 1.25 X 65	75
1100UBK	Round	230	110	M14 X 1.5 X 100	125
1100UBKL	Round	265	110	M14 X 1.5 X 100	125
1102UBK	Square	55	72	M12 X 1.5 X 65	75
1103UBK	Round	185	72	M14 X 1.5 X 100	125



LOAD PLUS HELPER SPRINGS

Part Number	Width	Thickness	Length	Mounting Kit	U-Bolt
LP1	60	12	425	LP3-1	LP3-2
LP2	60	12	420	LP3-1	LP3-2
LP3	60	12	442	LP3-1	LP3-2
LP4	70	12	442	LP4-1	LP4-2
LP5	50	8	310	LP5-1	LP5-2
LP7	75	12	438	LP7-1	LP7-2
LP9	70	16	435	LP9-1	LP9-2

All measurements are in mm unless otherwise stated



SUSPENSION ARM BUSH KITS

SPECIFICATIONS

Model	Part Number	Contents	Position	Qty Per Kit
LAND ROVER / RANGE ROVER PRE 1986	801K	802UT	Radius Arm - Diff	4
		803	Radius Arm - Chassis	4
		806UT	Trailing Arm Chassis	2
		807UT	Trailing Arm Diff	2
		804UT	Front Panhard	2
		860	Flange Plate	2
		808UT	Trailing Arm - Chassis	2
		861	Washer To Fit 808UT	4
LAND ROVER / RANGE ROVER 1986-On DEFENDER LATE	811K	812UT	Radius Arm - Diff	4
		813	Radius Arm - Chassis	4
		806UT	Trailing Arm Chassis	2
		807UT	Trailing Arm Diff	2
		814UT	Front Panhard	2
		815	Flange Plate	2
		818UT	Trailing Arm - Chassis	2
		861	Washer To Fit 818UT	4
LAND ROVER / DEFENDER EARLY	821K	802UT	Radius Arm - Diff	4
		813	Radius Arm - Chassis	4
		806UT	Trailing Arm Chassis	2
		807UT	Trailing Arm Diff	2
		814UT	Front Panhard	2
		815	Flange Plate	2
		818UT	Trailing Arm - Chassis	2
		861	Washer To Fit 818UT	4
NISSAN PATROL Y60 PRE 1989	831K	832UT	Radius Arm - Diff	4
		833	Radius Arm Chassis	4
		836UT	Trailing Arm	8
		834UT	Panhard	2
		835	Panhard	4

All measurements are in mm unless otherwise stated

SUSPENSION ARM BUSH KITS / SUSPENSION ARM BUSHES



SPECIFICATIONS

Model	Part Number	Contents	Position	Qty Per Kit
NISSAN PATROL Y60 1989 - On	839K	832UT	Radius Arm - Diff	4
		833	Radius Arm Chassis	4
		836UT	Trailing Arm	8
		834UT	Panhard	2
		840UT	Panhard	2
TOYOTA LANDCRUISER 80/105	847K	832UT	Radius Arm - Diff	4
		846UT	Radius Arm Chassis	2
		844UT	Trailing Arm Upper	4
		843UT	Trailing Arm Lower	4
		841UT	Front Panhard	2
		845UT	Rear Panhard	2



RUBBER SUSPENSION ARM BUSHES

Part No	Application	Location	O/D	I/D	Length	Material	Suits
834RT	Nissan Patrol Y60 GQ / Y61 GU	Front & Rear Panhard Rod	48	14	48	Rubber	PANHARD003 / PANHARD004 / PANHARD008
836RT	Nissan Patrol Y60 GQ / Y61 GU	Upper & Lower Trailing Arm	50	14	60	Sleeved Rubber	UTA003 / LTA003
840RT	Nissan Patrol Y60 GQ / Y61 GU	Front & Rear Panhard Rod	48	26	48	Rubber	PANAHRD003 / PANHARD004 / PANAHRD005 / PANAHRD006 / PANHARD008 / PANHARD009
841RT	Toyota Landcruiser 80 / 105	Front Panhard Rod	40	16	50	Sleeved Rubber	PANHARD001 / PANHARD007
843RT	Toyota Landcruiser 80 / 105	Lower Trailing Arm	54	18	60	Sleeved Rubber	LTA001
844RT	Toyota Landcruiser 80 / 105	Upper Trailing Arm	50	18	60	Sleeved Rubber	UTA001
845RT	Toyota Landcruiser 80 / 105	Rear Panhard Rod	40	18	50	Sleeved Rubber	PANHARD002
848RT	Nissan Patrol Y61 GU	Front & Rear Panhard Rod	61	14	65	Spherical Bearing	PANHARD005 / PANHARD006 / PANHARD009



All measurements are in mm unless otherwise stated

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CAN I ASSEMBLE STRUTS AT HOME?

In most cases, no. Ironman 4x4 recommend strut assembly be performed only by a qualified automotive mechanic using specialised strut compressor equipment.

Assembled struts store large amounts of sprung energy. Only mechanics with necessary tools and equipment should attempt to disassemble or assemble a strut. Mishandling of strut assemblies can result in severe injury or death.

Never loosen or remove strut centre top nut until all spring energy is retained within a high quality strut compressor.

THE SHOCK ABSORBER APPEARS TO BE LEAKING?

Upon initial use, there may be an oily residue or a small amount of oil originating from the rod seal and surrounding parts, this is referred to as manufacturing overflow. Oil can be trapped in the seal during assembly and released during transport or initial operation. This is considered normal and should be wiped clean prior to installation or after first use. If oil continues to appear, the shock absorber may be leaking and it should be replaced.

THE SHOCK ABSORBER DOES NOT SELF-EXTEND WITH GAS PRESSURE?

Ironman 4x4 Nitro Gas shock absorbers will self-extend due to pressurised nitrogen gas contained within, the rate of gas extension offers little relevance in determining the health or performance of the shock absorber.

Ironman 4x4 Foam Cell shock absorbers will NOT self-extend like a gas pressurised shock absorber as they do not contain gas pressure - A Foam Cell shock absorber will generally feel firmer to extend than it will to compress.

If a gas shock absorber fails to self-extend, this may not indicate a problem, it may simply be due to a dry or dirty piston rod, firm valving resistance or due to low gas pressure design. This does not adversely affect performance.

Avoid removing the thin film of oil from the piston rod, it is required for smooth seal operation and lubrication. A light oil may be used to rejuvenate the seal if a squeak is present.

THE SHOCK ABSORBER APPEARS DAMAGED?

All Ironman 4x4 shock absorbers are twin tube construction, this means they are very resilient to damage from rocks and debris. The outer tube can tolerate dents providing no puncture exists, the shock absorber will still function as intended.

Do not allow mud or debris to accumulate for extended periods around suspension components, clean and rinse as soon as practical.

Dust shields or rubber protective boots are provided by Ironman 4x4 to protect the piston rod from rock and debris damage.

Spare parts such as bushes, boots and dust shields are often available as spare parts if required.

THE LOWER STRUT BUSHES HAVE PERISHED?

This is most likely as a result of the bushes being tightened without neutralisation.

Never tighten shock absorber bushes until the vehicle is lowered to the ground.

Leave eye ring mounts finger tight ONLY, until the vehicle is lowered to the ground at normal ride height, failure to do this can damage the rubber bond due to twisting resulting in premature bush wear.

This is particularly important for load bearing lower strut bush applications.

Once the vehicle is lowered to the ground, only then tighten to specified tensions.

CAN I REUSE MY ORIGINAL RUBBER SPRING BUSHES?

Ironman 4x4 always recommends to renew leaf spring bushes with polyurethane when new springs are fitted. The extended range of travel provided by Ironman leaf springs and longer shock absorbers can over-rotate and damage the rubber material. In all cases when a silent block press fit bush is used, it cannot be transferred to an Ironman leaf spring.

Original 2-piece rubber bushes will fit Ironman leaf springs, however it is not recommended.

When greased, polyurethane allows greater rotational freedom on the shackle pins when compared to rubber.

DOES POLYURETHANE REQUIRE RE-GREASING?

Yes, polyurethane bushes should be re-greased as part of a regular maintenance schedule.

Ironman 4x4 recommend a Molybdenum Disulphide based grease or other grease specified for use with polyurethane.

CAN I USE IRONMAN SHOCK ABSORBERS WITH ORIGINAL SPRINGS?

Yes, in all cases. (Except those specified for racing or offroad only applications such as 4" or 6" lift).

Ironman 4x4 design all suspension components to be compatible with OEM suspension components.

For optimal performance, Ironman 4x4 do recommend Ironman shock absorbers are fitted as part of an integrated suspension system comprising Ironman 4x4 springs.

CAN I USE IRONMAN SPRINGS WITH ORIGINAL SHOCK ABSORBERS?

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THE SPRINGS APPEAR TO BE SAGGING?

Refer to completed installation form to measure and compare with new ride height.

Ironman 4x4 design an array of different springs to suit different load applications.

It is imperative the correct spring is selected for the expected loads.

Installing a spring which is too soft for the load will result in loss of expected ride height.

Installing a spring which is too strong for the load will result in excessive ride height.

To properly determine whether a spring has sagged or is under-specified, the spring must be removed from the vehicle and free height checked against the original specification found in suspension catalogue.

Depending on spring size and rate, a loss of up to 10mm due to natural steel relaxation is considered normal.

Natural settling is expected within the first 2-3 months, after which the springs are expected to maintain height.

If a spring has lost more than 10mm free height from new, they may require replacement.



THE SHOCK ABSORBER FEELS TOO SOFT OR INCONSISTENT WHEN COMPRESSED?

Prime the shock absorber by fully pumping it upright 2-3 times, ensuring the pressure chambers are fully purged of gas or air bubbles.

The shock absorber will generally feel firmer to extend than it will to compress.

THE VEHICLE IS LEANING TO ONE SIDE?

Refer to completed installation form to measure and compare with new ride height.

If a vehicle is leaning down on one corner, firstly ensure the vehicle is on level ground and then assess the weight distribution to ensure even placement of load and accessories.

Many vehicle models exhibit an uneven weight distribution from factory, Ironman 4x4 adjust the spring height accordingly to level the vehicle.

Check if springs are designated for Drivers Side (D/S) or Passengers Side (N/S) and ensure they are installed to the correct location.

Typically the taller coils should be fitted to the heavier side of the vehicle.

THE VEHICLE IS LEANING TO FRONT OR BACK?

Refer to completed installation form to measure and compare with new ride height.

Typically if the vehicle is level from side to side, but down at front or back, indicates incorrect spring selection. Check springs are correctly specified to match the load and accessories.

Vehicles which feature independent suspension are generally subject to a 2:1 motion ratio, meaning that for every 1mm of movement at the spring, the ride height is affected 2mm. This is particularly important when assessing spring settling or sag. Natural settling of 10mm at the spring will result in 20mm setting of ride height. Settling of new rubbers and bushes should also be factored as they will contribute a few additional mm.

THE RIDE HEIGHT IS TOO HIGH OR BANGING OVER BUMPS?

Independent suspension operates with limited wheel travel. Ironman 4x4 design springs to increase the ride height a prescribed amount within the safe limits of the original vehicles design.

If incorrectly specified springs or additional spacers are fitted, the ride height may be excessive causing the strut to reach its upper limit "top out" during motion.

As a general rule, Ironman 4x4 recommend a MINIMUM of 60mm downward travel available in the suspension, otherwise referred to as "droop".

To establish ride height in relation to maximum height, a droop measurement will be required.

DROOP MEASUREMENT

- 1) Measure and record the vertical rim to guard distance with the vehicle on flat level ground.
- 2) Raise and support the vehicle with front or rear wheels hanging.
- 3) Measure and record the vertical rim to guard distance with the wheels fully hanging.

The difference between the two measurements is the amount of downward droop the suspension has available to it.

The minimum droop distance should be no less than 60mm fully settled.

If droop is less than 60mm, a reduction in handling performance will be experienced, possibility of damage to suspension, driveline and tyre wear can be a factor. In this case the ride height must be lowered.

THERE IS A SQUEAK COMING FROM THE SUSPENSION?

A squeak can originate from any number of sources or for many reasons. The most effective method to diagnose and resolve a squeak is to perform a systematic approach to locating the source. Make note of what conditions cause the squeak, ie. large bumps, small bumps, wet weather, cornering etc. Also note the type of noise whether it appears to be from a soft rubber / plastic origin or hard steel origin.

Attempt should be made to simulate the condition, such as bouncing the vehicle whilst listening to locate the source, it may be required to enlist a second person to bounce the vehicle whilst another accesses the underneath of the vehicle closely to pin point the exact location.

Typical sources for noise include:

Dry or broken bushes

Loose or misaligned components

Bent or damaged components

Steel to Steel friction

Under-tensioned bolts

THE SUSPENSION APPEARS TO BE RUSTY?

In many cases damage to spring or shock absorber coating is unavoidable due to impacts with stones and debris. In some instances light surface rusting may appear on exposed steel if coating becomes damaged. This will not affect the performance of the product however may be unsightly. Take care when using a high pressure washer or strong chemicals during cleaning as this can further compromise the coating leading to greater exposure.

Care should be taken during installation to ensure components are not scratched or damaged which may result in exposure of the underlying steel.

Vehicles operating in salty environments may experience further accelerated surface rusting.

THERE IS A VIBRATION AFTER FITTING THE SUSPENSION?

This is a known issue in some vehicles after ride height has been raised. It is caused by the change in angle within the driveline, most commonly in vehicles with 2 piece driveshafts.

In many cases where vibration is a common factor, Ironman 4x4 offer a solution such as a driveline spacer kit to adjust the angles of the driveshaft. The spacer kits are used to adjust the location of the centre bearing with view to reduce the vibration to a satisfactory level.

Each vehicle can vary in severity, some may not be fully rectified after the re-alignment. In such cases axle wedges or a reduction in ride height may be required.

CAN I ADJUST THE STRUT SEAT HEIGHT?

Ironman 4x4 struts feature an adjustable height spring seat. 12xxx & 24xxx series struts utilise a trim packer system, 45xxx series struts utilise a threaded strut body.

Seat height cannot be adjusted whilst in vehicle, strut must be removed from vehicle with spring tension unloaded to enable adjustment.

The purpose of this adjustment feature is to allow recalibration of ride height following the installation of heavy accessories or to compensate spring settling.

Not to be used as a variable ride height system.

An increase in seat height beyond OEM specifications may result in excessive lift and non-compliance to state or federal laws.

A minimum 60mm suspension droop must be available at all times.



1. Interpretation

In these Terms and Conditions of Sale ("Terms"), "Goods" means the Goods the subject of the Contract; IRONMAN 4X4 Pty. Ltd. means the entity selling the Goods; "Buyer" means the entity purchasing the Goods; "Contract" means each contract between IRONMAN 4X4 Pty. Ltd. and the Buyer for the sale and purchase of the Goods and "order" includes "offer".

2. Terms and Conditions

The only Terms of the Contract are those agreed to in writing by IRONMAN 4X4 Pty. Ltd. These Terms (to the extent they are not inconsistent with Terms agreed to in writing by IRONMAN 4X4 Pty. Ltd.) and those which are implied or imposed by law (including the Trade Practices Act 1974) 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 the 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 IRONMAN 4X4 Pty. Ltd. and the 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 IRONMAN 4X4 Pty. Ltd. will not be construed or operate as an offer or obligation to sell. IRONMAN 4X4 Pty. Ltd. reserves the right to accept or reject in its absolute discretion any order received by it. The Buyer will not be entitled to cancel or refuse delivery of, or payment for, any order made by it which has been accepted by IRONMAN 4X4 Pty. Ltd.

4. Price

The price payable to IRONMAN 4X4 Pty. Ltd. by the 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 IRONMAN 4X4 Pty. Ltd. for delivery to the Buyer. Prices are payable in Australian currency and exclusive of delivery costs, taxes, duties and other imposts which, if changeable, are payable by the Buyer. Prices quoted in any IRONMAN 4X4 Pty. Ltd. Price List are suggested prices only and may be changed by IRONMAN 4X4 Pty. Ltd. without notice.

5. Payment

The Buyer must pay cash for the Goods on delivery or, at IRONMAN 4X4 Pty. Ltd.'s absolute discretion, strictly within 30 days of delivery. IRONMAN 4X4 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 IRONMAN 4X4 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 IRONMAN 4X4 Pty. Ltd. by its principal banker.

7. Delivery

IRONMAN 4X4 Pty. Ltd. will make all reasonable efforts to deliver the Goods on the dates agreed, to the place or carrier designated by the Buyer. IRONMAN 4X4 Pty. Ltd. has the right to make delivery in instalments and to deliver those Goods available for delivery. The Buyer has no right to terminate the Contract because of a delay in delivery.

8. Warranty

IRONMAN 4X4 Pty. Ltd. warrants that its products are manufactured to S.A.E.- Society of Automotive Engineers - specifications for the particular product. IRONMAN 4X4 Pty. Ltd. further warrants that all products sold hereunder are free from defects in material and workmanship.

IRONMAN 4X4 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 IRONMAN 4X4 Pty. Ltd. is actually notified in

writing from the 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 IRONMAN 4X4 Pty. Ltd. and, if requested by IRONMAN 4X4 Pty. Ltd. return of the Goods to IRONMAN 4X4 Pty. Ltd.

No products are to be returned to IRONMAN 4X4 Pty. Ltd. without its written consent, according to procedures outlined in this manual, and the receipt by the Buyer of specific shipping instructions. IRONMAN 4X4 Pty. Ltd. shall not be liable for any expense incurred by the Buyer in order to remedy any defect in its products. IRONMAN 4X4 Pty. Ltd. 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 the Buyer, (4) Goods incorrectly chosen by the Buyer; or (5) Goods modified or altered by the 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 IRONMAN 4X4 Pty. Ltd. with reference to the goods which extends beyond the specifications, agreed upon by IRONMAN 4X4 Pty. Ltd. and the Buyer and (b) that the Buyer if any, mutually acknowledges that it is purchasing the goods solely on the basis of the commitments of IRONMAN 4X4 Pty. Ltd. expressly set forth herein. No person is authorised to change or add to any of IRONMAN 4X4 Pty. Ltd.'s obligations under this warranty. In no event shall IRONMAN 4X4 Pty. Ltd. be liable for anticipated profits or for incidental or consequential damages.

The Buyer agrees to indemnify and hold IRONMAN 4X4 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 IRONMAN 4X4 Pty. Ltd. or the damages are incidental or consequential.

1 Year Warranty - Accessories / Mining Accessories / Underbody Protection

2 Year Warranty - Premium Underbody Protection

3 Year Components Warranty - Ice Cube Fridge/Freezers

3 Year 60,000km Warranty - Suspension

5 Year Warranty - Monster Winches

5 Year Compressor Warranty - Ice Cube Fridge/Freezers

IRONMAN 4X4 Pty. Ltd. warrants the original buyer, only when purchased new via authorised IRONMAN 4X4 Pty. Ltd. resellers and distributors, from date of sale.

Product is warranted against defects in material or workmanship that cause the product to perform below the specified limits set by IRONMAN 4X4 Pty. Ltd., to the extent that IRONMAN 4X4 Pty. Ltd. 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 Pty. Ltd. for assessment or repair. Postage and removal costs involved are not the responsibility of IRONMAN 4X4 Pty. Ltd., and may only be considered upon discretion by IRONMAN 4X4 Pty. Ltd. 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 Pty. Ltd., 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 unused condition will attract a 15% restock fee, where IRONMAN 4X4 Pty. Ltd. 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 the Buyer's expense.

Damage to products through fitment error is not covered under warranty.

9. Damage

The Buyer acknowledges that the Goods leaving IRONMAN 4X4 Pty. Ltd's premises are adequately packed. Claims for damage in transit must be made against the carrier and, while IRONMAN 4X4 Pty. Ltd. will not accept liability for any damage, details of any claim must be promptly advised to IRONMAN 4X4 Pty. Ltd. Prior to acknowledging delivery to the carrier, the 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 IRONMAN 4X4 Pty. Ltd. within 72 hours or receipt.

10. Title

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

- (a) IRONMAN 4X4 Pty. Ltd. being paid in full under all Contracts; or
- (b) the sale by the Buyer of the Goods in its ordinary course of business (in which case the Buyer must keep an accurate account of each sale, hold the proceeds of each sale separate from the Buyer's own money and pay IRONMAN 4X4 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 the Buyer, the Buyer must:

- (a) hold the Goods as bailed for IRONMAN 4X4 Pty. Ltd. and keep them in good order and condition;
- (b) not remove any markings placed by IRONMAN 4X4 Pty. Ltd. and ensure that the Goods can be readily identified and distinguished from other property in the Buyer's possession; and
- (c) deliver the Goods to IRONMAN 4X4 Pty. Ltd. immediately upon demand and, for this purpose, IRONMAN 4X4 Pty. Ltd. is authorised to enter at any time any premises on which the Goods may be located (the costs incidental to which will be borne by the Buyer).

11. Risk

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

12. Implied Terms, Limitation of Liability and Buyers Indemnity

12.1 Subject to Clause 2, IRONMAN 4X4 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 the Buyer establishes that it is not fair or reasonable for IRONMAN 4X4 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 IRONMAN 4X4 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 IRONMAN 4X4 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, IRONMAN 4X4 Pty. Ltd. will not be liable for any loss, damage, expense or injury of any kind or nature suffered or incurred by the 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 IRONMAN 4X4 Pty. Ltd. and any delay in delivery) or any error (whether negligent or not) in information supplied to the Buyer in connection with its subject matter or the use, possession or delivery of the Goods or the exercise by IRONMAN 4X4 Pty. Ltd. of its rights under Clause 16 and the Buyer will indemnify IRONMAN 4X4 Pty. Ltd. in relation to any such loss, damage, expense or injury.

13. Claims

Any claim made by the Buyer must be in writing and contain the particulars specified in the IRONMAN 4X4 Pty. Ltd's 'Application for Exchange or Credit' or 'Applications for Warranty' and be received by IRONMAN 4X4 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 the Buyer's specifications or drawings, (2) are no longer required by the Buyer, (3) are returned without the particulars required by this Clause, (4) the Buyer has modified or altered the Goods (including changing colour) or (5) if the IRONMAN 4X4 Pty. Ltd. Catalogue stipulates that return will not be accepted. If the Buyer insists on returning the Goods, it must pay IRONMAN 4X4 Pty. Ltd. a handling fee equal to 40% of the price of the Goods.

14. Force Majeure

Despite any other Term or condition of the Contract, IRONMAN 4X4 Pty. Ltd. will not be liable for any loss, damage, expense or injury of any kind or nature suffered or incurred by the 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 IRONMAN 4X4 Pty. Ltd's reasonable control

15. Errors or Omissions

IRONMAN 4X4 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 the Buyer breaches a Contract or IRONMAN 4X4 Pty. Ltd. is not satisfied of a Buyer's ability to pay or otherwise comply with each Contract, IRONMAN 4X4 Pty. Ltd. may by notice to the 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 the Buyer to IRONMAN 4X4 Pty. Ltd. immediately due and payable.

17. Waiver

IRONMAN 4X4 Pty. Ltd's right under the Contract are cumulative and in addition to any other rights. No delay or failure by IRONMAN 4X4 Pty. Ltd. to enforce any right is a waiver of that right. Any waiver by IRONMAN 4X4 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.



MELBOURNE, AUSTRALIA

2-8 Bessemer Drive,
Dandenong South,
Victoria 3175

SAMUTPRAKARN, THAILAND

Bangna Towers - Tower A, #1708, 17th Floor
2/3 Moo 14 Bangna Trad Road, Km 6.5
Bangkaew, Bangplee
Samutprakarn 10540

To contact Ironman 4x4 call +613 9532 1111 or visit us at:



www.ironman4x4.com



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