

PASSENGER AND 2WD COMMERCIAL VEHICLE SPRING CATALOGUE



LOVELLS

SUSPENSION

FOR THE RIDE OF YOUR LIFE



2015 - VERSION 1

COIL SPRINGS & LEAF SPRINGS

Passenger and 2WD Commercial Vehicle Spring Catalogue

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LOVELLS

SUSPENSION

FOR THE RIDE OF YOUR LIFE

The Company

Established in 1930, Lovells Springs is Australia's most experienced manufacturer of replacement coil and leaf springs for the automotive industry. Lovells have gained a reputation as being at the forefront of spring design and manufacturing techniques as well as high quality suspension components by committing to the finest quality materials, skilled staff, computer spring design and test equipment, PLC (programmable logic controlled) manufacturing equipment and extensive road and race tested products to ensure "THE RIDE OF YOUR LIFE".



Why Springs Are Replaced

To achieve improvements in the following areas:

- ◆ Ride Height
- ◆ Handling
- ◆ Load Carrying Capacity
- ◆ Comfort

◆ Ride Height

To restore the vehicle to its original standard ride height, when the original springs have sagged or weakened.

To lower the centre of gravity of the vehicle for enhanced appearance, performance and handling characteristics.

To raise the vehicle for increased ground clearance and load carrying capabilities eg. towing, LPG tanks, load bearing accessories.

◆ Handling

Lovells Springs ratings exceed that of original equipment springs by around 10%-50%, therefore handling is dramatically improved by controlling excessive body roll and brake dive.

◆ Load Carrying

Lovells offer a vast range of heavy duty uprated coil & leaf springs to increase the vehicle's load carrying capabilities and maintain stability when laden. These springs should be selected where a vehicle carries heavy loads, is used for towing, is fitted with LPG or larger fuel tank and other load bearing accessories i.e. bull bar, winch etc.

◆ Comfort

Lovells Springs offer a vast range of variances in progressive and linear rate spring design, ratings and ride height options to enable the vehicle to be enhanced to the customers exacting comfort requirements.

Spring Manufacture

Coil Springs

Lovells Coil Springs are designed as a superior replacement part for mass produced O.E. (Original Equipment) coil springs.

Lovells springs are designed on advanced computer aided design programs and sophisticated inhouse test machines, before extensive road testing and performance checks to ensure the ultimate performance of the product.

Lovells Springs are manufactured in accordance with ISO9002 to the highest standards in our own modern manufacturing facilities. All Lovells Springs are manufactured to exceed the appropriate Australian Standards using Australian made Onesteel (previously BHP) micro alloy spring steels supplied to AS1447-1991. All heating and tempering furnaces are electronically controlled to precise temperatures and each spring is formed on PLC machines.

All coil springs are shot peened to eliminate material surface defects and are powder coated with Lovells Blaze Blue © before being final inspected, labelled and packaged in a protective display box.

Lovells coil springs are available in linear rate (Fig A.) or variable rate (Fig B.) design depending on the application.



Fig A.



Fig B.

Spring Manufacture (Continued)

Variable Rate Coil Springs

The principle of variable rate coil springs is as follows: Spring rates increase when you need it (i.e. cornering and load carrying) and decrease when you don't (i.e. normal comfort driving).

Previously when lowering a vehicle with linear rate coils, spring capture (or entrapment) was a concern. This problem has in most cases been eliminated with **Lovells variable rate coil springs** that will give substantial spring rate increase as well as substantial ride height decrease.

The simple rule is "less coils in a spring, the higher the spring rate". As the spring compresses under load the gathered coils come into contact and become inactive thus increasing the spring rate.

Note: Variable rate coil springs are not necessary for all vehicles and are only to be used in vehicles recommended by Lovells.

Leaf Springs (Laminated Springs)

As per Lovells coil springs, leaf springs are designed as a superior replacement part for mass produced O.E. (Original Equipment) leaf springs.

Practically all leaf springs used on cars, 4x4's and trucks are of the semi elliptic type. The semi elliptic spring has function of not only a spring, it can dampen vertical deflection, supports the vehicle, positions the axle and cushions both driving torque and brake reaction.



Lovells leaf springs are again manufactured using premium quality OneSteel micro alloy steel.

Leaf springs are cambered on specially designed machines before being assembled, rate tested and inspected. All leaf springs are enamel dipped in Lovells Navy Blue ready for despatch.

Ride Height Options

Vehicle ride heights (Eye Brow Heights) are measured vertically from the centre of the wheel hub to the edge of the guard.

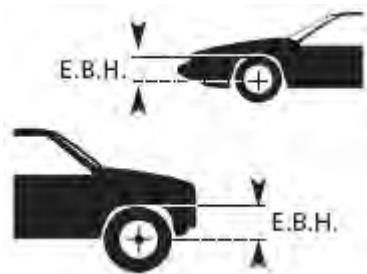
Vehicle ride heights are approximate only and can vary depending on:

- ◆ Age of vehicle
- ◆ Optional extras (i.e. FE2 police pack, Sports Pack etc.)
- ◆ Load Bearing Accessories

IMPORTANT: If vehicle is fitted with FE2 height springs from factory, this is equivalent to Lovells Sport Low height. Note that Super low coil springs are designed for cosmetic enhancement only. Ensure sufficient bump stop clearance is maintained. Check Applicable State Regulations for further detail.

Eye Brow Height

Measuring of the "Eye Brow Height - E.B.H." is illustrated in the following diagram



FRONT:-

Designation	Approximate Ride Height Change	Comment
Super Low	Lower 45 - 65mm	Limited Suspension travel, designed for cosmetic enhancement
Sport Low	Lower 25-40mm	Designed for enhanced vehicle handling and control
Heavy Duty - Standard Height	Standard	Designed to restore original ride height, balance and load carrying capacity
Raised	Raise 20mm	Designed for increased ground clearance, country driving and where load bearing accessories are fitted i.e. bull bar

REAR:-

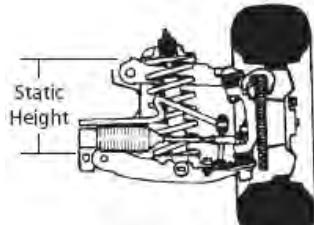
Super Low	Lower 45 - 65mm	Limited suspension travel, designed for cosmetic enhancement
Sport Low	Lower 25-40mm	Designed for enhanced vehicle handling and control
Heavy Duty - Standard Height	Standard	Designed to restore original ride height, balance and load carrying capacity
Cargo / LPG	Raise 20 - 25mm	Designed to dramatically increase load carrying capacity, heavy towing and vehicles fitted with LPG or larger fuel tanks

Note: Above ride heights are based on original (show room) specifications of vehicles.

Customer Specific Design and Spring Identification

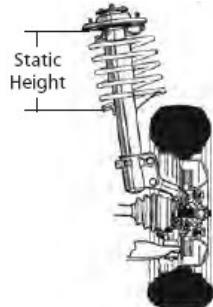
If the springs you require are not listed in the catalogue, please make enquiries with our customer service technicians who will arrange for the manufacture of custom springs to your specification and / or sample

To achieve initial design parameters we will require the following:

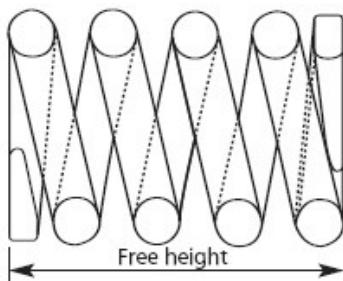


Static (working) height:

The length of the coil spring whilst still mounted in the vehicle under normal load.

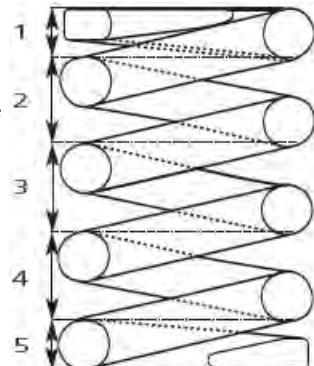


Trapped height: The overall length of a coil spring when still in the vehicle while the body of the vehicle is jacked up, to full extension of shock absorber.



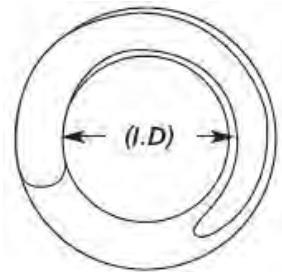
Free height: The overall length of a coil spring at its longest part while not under load i.e. out of the vehicle.

Total coils: Total number of complete turns = 5.0 turns.
 (in this example)



Diameter of material: Use Vernier caliper to measure. Check at various points along coil and then check end coils as the diameter may vary.

Inside diameter (I.D.): Use Vernier caliper to measure inside diameter of coil spring at both ends. Measure coil spring whilst (I.D.) out of vehicle.

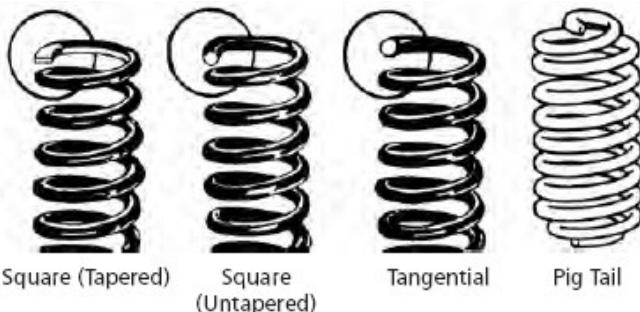


Spring end finish:

Normal: Unground, straight cut.

Ground: Ground flat

Reduced: End coil finishes smaller in diameter than main coils.



Fitting Guide

- With vehicle on level (flat) ground, measure and record corner heights (E.B.H) from centre of rim to wheel arch.
 - With vehicle on flat ground measure and record static (working) height of O.E.M.(original) coils.(length of coil under load).
 - Lift vehicle and record trapped height of coil springs from front and rear. (wheels at full droop with springs and shocks still in vehicle).
 - Check inside diameter, top and bottom, of spring against O.E.M.(original) coils
 - Remove old suspension in accordance with vehicle manufacturers manual.
 - Reassemble new suspension components and fit to vehicle
- Note: Final tensioning of all bolts & nuts to be done with suspension at normal ride height. Failure to observe this requirement may void any warranty.
- Align vehicle to manufacturers specifications.
 - Place vehicle on level ground and record final corner heights (E.B.H) from centre of rim to wheel arch.

Important: U-bolts must be checked regularly & retensioned.

For Maximum leaf spring life, after fitment of new leaf springs, U-bolts must be retensioned after 500km with vehicle fully laden.

Lovells recommend all U-bolts to be checked regularly & retensioned if required. Torque settings are available upon request.

Suspension Modification Regulations

This information has been extracted from the RTA Code of Practice for Light Vehicle Modifications. Lovells Copy No. 753 - issued 1996.

ADR Regulations:

2.4.1. Precedence of ADR's and manufacturers' guidelines

It is important to note that the requirements of the ADRs and the original manufacturers' modification guidelines take precedence over the Code of Practice. Persons modifying or certifying modifications to light vehicles must ensure that any relevant manufacturers' recommendations are complied with and that no ADR compliance is invalidated, even as an unintended result of complying with the Code of Practice.

- ◆ Vehicles built/manufactured between 1934 - 31/12/1960 are not covered by regulation.
- ◆ **Vehicles built after 1/1/1961** - to the introduction of ADR 13. ADR 13 was introduced 1973 and was enforced until 9/1991.

Minimum Head Light
Height: 600mm



Maximum Head Light
Height: 1400mm

Note: measurements are taken from the ground to the bottom of the headlight.

Vehicles built 10/91 on

Minimum Head Light
Height: 500mm



Maximum Head Light
Height: 1200mm

Note: measurements are taken from the ground to the bottom of the headlight.

3.5.2 Certification of suspension modifications

Certification of suspension modifications shall be treated as follows:

Minor modifications can be treated as owner certified. These are modifications which do not affect the basic geometry or load carrying members of the suspension.

Examples are:

- additional or uprated anti roll bars;
- uprated shock absorbers and / or springs;
- altered vehicle ride height by no more than one third of the manufacturer's suspension travel in the direction of the ride height change; fitting of suspension assemblies which were options from the original manufacturer for the particular make / model.

Major modifications are to be certified by an engineering signatory. These are modifications to suspension components, systems or installations which affect the major load carrying components of the suspension and which were not options available from the original manufacturer for the particular make / model.

Examples are:

- replacement of the original suspension (front or rear) with a system of a different design eg: from another model vehicle.
- changes to suspension components such as changing the front cross member to accommodate an engine change; substantially altering the mass of the vehicle

3.5.3 Australian Design Rules

While no ADR is involved directly with suspension systems, the following are examples of ADRs which may be affected indirectly by a suspension modification:

ADR7/- Brake hoses

ADR13/- Installation of lighting devices - eg: height

ADR14 - Rear vision mirrors - eg: attitude change

ADR31 - Brake systems - eg: partial failure

ADR43 - Vehicle configuration and dimensions

6.4 'Ground Clearance'. The ground clearance of a vehicle, measured from a horizontal road surface to any point on the underside of the vehicle except the tyres, wheels & wheel hubs must, under the condition of 'Maximum Load Test Mass' loading as specified in the relevant braking rule, be not less than..

for any point in the width of the vehicle which is within one meter fore and aft of any 'Axle', 100mm.

ADR61- Vehicle marking (license plate heights)

61.6.1.1 Registration Plates. Provision shall be made for mounting a registration plate be affixed to the rear of the vehicle so that no part of such plate will be more than 1300mm from the ground.

ADR62- Mechanical connections between vehicles

5.2.3.2 Vehicles fitted with a 50mm 'Ball coupling' Towbar, the height to centre of the ball determined in the laden condition must be between 350-420mm.

3.5.4.11 Changes to ride height are limited to one third of the working travel of the suspension from kerb mass height to metal to metal bump or rebound positions as specified by the manufacturer

Such modifications must comply with the following:

- altered spring free lengths are acceptable providing the spring seat load is maintained at full rebound and material stresses are not exceeded; the use of extended spring shackle plates is not permitted.

3.5.4.11 Such modifications must comply with the following (Cont):
 - the suspension ride height of a coil spring shall not be lowered by cutting off a section of the spring coils. New coil springs with increased spring rate specifications to provide for the reduced travel of the suspension shall be fitted.

3.5.6 Road testing

The completed vehicle must be evaluated under a range of road operating conditions to establish that ride, handling and steering characteristics are appropriate for the vehicle character and proposed type of operation. While some of these aspects are subjective, the vehicle must not behave in an unpredictable manner under any circumstances and its general behaviour must not be significantly different from the majority of vehicles available at the time of road test. The vehicle must be suitable for subsequent sale to persons of average driving ability.

Part Number Interpretation

Example:

A	F	L	-	1	2	S	L
---	---	---	---	---	---	---	---

(reading from left to right)

A Manufacturers' initial - in this case Audi or Alfa

F Front coil or **R** for rear

L/S/R L Lowered version

S Standard height

R Raised

12 Numbers are a Lovells reference number

SL Super Low (this suffix gives further description as to the application of the coil i.e. AFL12 is a different part number to AFL-12SL).

A Price Code (List Price each)

Although the above is relevant in most cases, some part numbers may vary due to cross references in different vehicles.

Glossary

Symbol **Description**

All All engine sizes within year of manufacture

D Diesel Powered Engines

G Grey Motor-GMH

P Petrol Powered Engines

R Rotary Engines

Glossary (Cont.)

Symbol	Description
SB	Small Block - V8
T	Turbo
~~~~~	Leaf Springs-made to sample
~	Leaf Springs
<b>FE2</b>	GMH factory suspension option approx. 25-40mm lower than standard height
<b>HD</b>	Heavy duty option
<b>Uprated</b>	Higher spring rate option
<b>FWD</b>	Front wheel drive
<b>4WS</b>	Four wheel steer
<b>2WD</b>	Two wheel drive
<b>4WD</b>	Four wheel drive

### Important Note

Lovells Super Low Springs are designed for cosmetic enhancement only. (eg. Show cars). These parts may render vehicle illegal for use on public roads. Please consult state/territory guidelines or an automotive engineering signatory for further information.

### Catalogue Information

Information contained herein supersedes all previous catalogues.

Information regarding vehicle specifications i.e. build dates, make / model and engine type have been sourced from industry accepted manuals, refer bibliography.

Due to frequent vehicle production changes, no responsibility will be accepted by Lovells Springs Pty. Ltd. for any inaccuracies or variances of information contained in this catalogue.

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Refer inside front cover for details.

### Bibliography

The Red Book - Identification Manuals.

Year	Model & Type	Engine			FRONT				REAR			
		Cyl	Cap	Lst	Super Low	Sport Low	H/Duty Std. Hgt.	Raised	Lst	Super Low	Sport Low	H/Duty Std. Hgt.
<b>ALFA ROMEO</b>												
7/98-9/01	147 Sedan	6	2.5	B		AFL-50SL (mto)			B	ARL-53 (mto)		
2/99 on	156 Sedan	6	2.5	B		AFL-50 (mto)			B	ARL-51 (mto)		
7/98 on	156 Wagon	6	2.5	B		AFL-50>			B	ARL-54>		
7/98 on	GTV Spyder	6	3.0	B		AFL-52 (mto)			B	ARL-53 (mto)		
<b>AUDI</b>												
8/95-8/98	A4 2WD Sedan	4	All	B		AFL-1 (mto)	AFS-1 (mto)		B	ARL-2 (mto)	ARS-2 (mto)	
12/95-8/98	A4 Quattro	4	All	B		AFL-1 (mto)	AFS-1 (mto)		B	ARL-9 (mto)		
12/95-2/98	A4 Quattro Avant	4	All	B		AFL-1 (mto)	AFS-1 (mto)					
12/95-2/98	A4 2WD Avant	4	All	B		AFL-1 (mto)	AFS-1 (mto)		B	ARL-2 (mto)	ARS-2 (mto)	
9/96-9/97	A6 2WD Sedan	6	All	B		AFL-3 (mto)			B	ARL-4 (mto)		
5/97-02	A3 Hatch	4	All	B		AFL-10 (mto)			B	ARL-11 (mto)		
<b>BMW</b>												
<b>E10</b>												
8/68-2/76	2002 Sedan/Coupe	4	2.0	B		BFL-1 (mto)	BFS-1 (mto)		B	BRL-2 (mto)	BRS-2 (mto)	
<b>E21</b>												
3/76-82	318i,320i Sdn/C'pe	4	All	B		BFL-3 (mto)	BFS-3 (mto)		B		BRS-4>	
3/76-82	323i Sedan	6	2.3	B		BFL-3 (mto)	BFS-3 (mto)		B		BRS-4>	
<b>E30 (3 Series)</b> E30 coils do not suit vehicles with M-Technic suspension												
6/83-3/91	318i,318is Sdn/C'pe	4	All	B		BFL-5 (mto)	BFS-5 (mto)		B	BRL-6 (mto)	BRS-6 (mto)	
1/86-9/91	320i,325e,325i Sdn	6	All	B	BFL-7SL (mto)	BFL-7 (mto)	BFS-7 (mto)		B	BRL-6 (mto)	BRS-6 (mto)	
<b>E36 (3 Series)</b> E36 coils do not suit vehicles with M-Technic suspension												
5/91-9/91	316i,318i,318is	4	All	B		BFL-9 (mto)	BFS-9>		B	BRL-8 (mto)	BRS-8 (mto)	
5/91-9/91	326i Sedan/Coupe	6	2.6	B		BFL-9 (mto)	BFS-9>		B	BRL-8 (mto)	BRS-8 (mto)	
10/91-7/98	320i,325i Sdn/C'pe	6	2.5	B	BFL-10>	BFL-11>	BFS-11 (mto)		B	BRL-8SL (mto)	BRL-8 (mto)	BRS-8 (mto)
10/91-7/98	318i,318is Sdn/C'pe	4	1.8	B		BFL-10>	BFS-10 (mto)		B	BRL-8 (mto)	BRS-8 (mto)	
2/95-1/98	316 Sedan/Coupe	4	1.6	B		BFL-11>	BFS-11 (mto)		B	BRL-8SL (mto)	BRL-8 (mto)	
4/96-00	318ti Sedan/Coupe	4	1.8	B	BFL-10>	BFL-11>	BFS-11 (mto)		A	HRL-66SL	HRL-66	HRS-66
3/97-00	Z3 Roadster		All	B		BFL-13 (mto)			B	BRL-14 (mto)		
<b>CHEVROLET</b>												
<b>300C</b>												
11/05-2015	Sedan	8	SB	B		PFL-10			A		FFS-46	
11/05-2015	Sedan SRT8	8	6.1	B		PFL-10	PFS-10		B		PRL-1	PRR-1
1964-70	Belair (excl.Wgn)	8	SB	B		PFL-10	PFS-10		B		PRL-1	PRR-1
<b>CHRYSLER</b>												
<b>Neon</b>												
7/96-8/99	Sedan	4	2.0	A		CFL-70 (mto)			B	CRL-71>		
<b>PT Cruiser</b>												
8/00-03	PT Cruiser	4	2.0	B		CFL-28 (mto)			B	CRL-27 (mto)		
<b>Voyager</b>												
3/97-01	SE -SWB	6	3.3	B		CFL-72>	CFS-72 (mto)	CFR-72>				
10/97-01	LE - LWB	6	3.3	B		CFS-72 (mto)	CFR-72>	CFR-72HD (mto)				
<b>DAEWOO</b>												
<b>1.5i &amp; Cielo</b>												
8/94-10/95	1.5i Sedan/Hatch	4	1.5	A		DFL-24>	DFS-24 (mto)		B	DRL-25>		
10/95-4/98	Cielo Sedan/Hatch	4	1.5	A		DFL-65>			B	DRL-66>	DRS-66 (mto)	
<b>Leganza</b>												
8/97-02	Sedan	4	All	A		DFL-98 (mto)			A	DRL-97 (mto)		
<b>Nubira</b>												
7/97-03	J100-J150 Sedan	4	All	A		DFL-42 (mto)	DFS-24 (mto)		A	DRL-43 (mto)		
7/97-03	J100-J150 Wagon	4	All	A		DFL-42 (mto)	DFS-24 (mto)					

Year	Model & Type	Engine		FRONT				REAR				
		Cyl	Cap	Super Low	Sport Low	H/Duty Std. Hgt.	Raised	Super Low	Sport Low	H/Duty Std. Hgt.	Cargo/ LPG	
<b>DAIHATSU</b>												
<b>Applause</b>												
10/89-5/99	A101 Sedan	4	1.6 A			DFS-103 (mto)	DFR-103 (mto)	A	DRL-104(mto)	DRS-104 (mto)	DRR-104 (mto)	
<b>Charade</b>												
6/93-4/94	G200 Sedan/Hatch		All	A		DFL-100			A			
4/94-4/96	G200,202 Sdn/Htch	4	1.5 A			DFL-105			A	DRL-106 (mto)		
IMPORTANT: 1993-96 Charade Front: Check front coil I.D. (1) DFL-100 - I.D. = 86mm (2) DFL-105 - I.D. = 104mm												
Rear: DRL-106 Conical type												
<b>DODGE</b>												
<b>Calibre</b>												
2008 on	Sedan		All	B		CFL-75 (mto)			B	CRL-76 (mto)		
<b>DATSUN - refer NISSAN</b>												
<b>EUNOS</b>												
3/94-2/98	800M Sedan	6	All	A	MFL-35SL	MFL-35	MFS-35 (mto)		A	MRL-36>	MRS-36	
<b>FORD</b>												
<b>Capri</b>												
4/69-74	Coupe Mk1,2,3	4	1.6 A		FFL-13SL	FFL-13	FFS-13					
2/70-74	3000GT Coupe	6	3.0 A	FFL-13SL	FFL-13	FFS-13	FFR-13					
10/89-11/94	SA,SC,SE	4	1.6 A	FFL-40SL (mto)	FFL-40 (mto)	FFS-40 (mto)	FFR-40 (mto)	A		FRS-41 (mto)	FRR-41 (mto)	
10/89-11/94	SC,SE Club Sprint	4	1.6 A		FFL-40SL (mto)	FFL-40 (mto)	FFS-40 (mto)	A		FRR-41 (mto)	FRS-41 (mto)	
<b>Corsair</b>												
10/89-10/92	UA Sedan/Hatch	4	All	A		DFL-44 (mto)	DFS-44 (mto)		A	DRL-51	DRS-51 (mto)	
<b>Cortina</b>												
3/65-7/67	Mk1 220-440 & GT	4	All	A	FFL-13SL	FFL-13	FFS-13					
8/67-2/68	Mk2	4	All	A	FFL-15	FFS-15	FFR-15					
2/68-7/71	CD Cross Flow	4	All	A	FFL-13	FFS-13	FFR-13					
8/71-6/77	TC,TD Sedan	4	All	A	FFL-3SL	FFL-3	FFS-3	FFR-3	A	FRL-5SL	FRL-5	
9/72-6/77	TC,TD Sedan	6	All	A	FFL-3	FFL-4	FFS-4	FFR-4	A	FRL-5SL	FRL-5	
8/71-6/77	TC,TD Wagon	4	All	A	FFL-3SL	FFL-3	FFS-3	FFR-3	A	FRL-5SL	FRL-5	
9/72-6/77	TC,TD Wagon	6	All	A	FFL-3	FFL-4	FFS-4	FFR-4	A	FRL-5SL	FRL-5	
7/77-10/80	TE Sedan	4	2.0 A	FFL-17SL	FFL-17	FFS-17	FFR-17	A	FRL-5SL	FRL-5	FRR-5	
7/77-10/80	TE Sedan	6	All	A	FFL-1/6SL	FFL-1/6	FFS-1	FFR-1	A	FRL-5SL	FRL-5	
7/77-10/80	TE Wagon	4	2.0 A	FFL-17SL	FFL-17	FFS-17	FFR-17	A	FRL-5SL	FRL-5	FRR-5	
7/77-10/80	TE Wagon	6	All	A	FFL-1/6SL	FFL-1/6	FFS-1	FFR-1	A	FRL-5SL	FRL-5	
11/80-8/82	TF Sedan		All	A	FFS-4	FFR-4	FFL-8	FFS-8	A	FRL-5SL	FRL-5	
11/80-8/82	TF Wagon		All	A	FFS-4	FFR-4	FFL-8	FFS-8	A	FRL-5SL	FRL-5	
<b>Escort</b>												
3/70-75	1300/1600 Sedan	4	All	A			FFS-11	FFR-11				
5/70-6/72	1600GT & T/Cam	4	1.6 A			FFL-13SL	FFL-13	FFS-13				
1975-3/81	1600/2000 & RS2000	4	All	A	FFL-13SL	FFL-13	FFS-13	FFR-13				
IMPORTANT: 1970-75 1300/1600 Escorts equipped with 98mm I.D front coils												
1975-81 1600/2000 Escorts equipped with 108mm I.D front coils												
<b>Falcon XX, XL, XM, XP</b>												
1960-66	Sedan, Coupe	6	All	A	FFL-4	FFS-4	FFR-4			FLS-10L	FLS-10S	
1960-66	P/Van & Ute	6	All	A	FFL-4	FFS-4	FFR-4					
<b>Falcon XR, XT, XW, XY</b>												
1966-72	Sedan	6	All	A	FFL-1/6SL	FFL-1/6	FFS-1	FFR-1	FLS-1L	FLS-1S	FLS-1R	
1966-72	Sedan	8	All	A	FFL-1/6	FFL-1	FFS-1	FFR-1	FLS-1L	FLS-1S	FLS-1HD	
1966-72	Wagon	6	All	A	FFL-1/6SL	FFL-1/6	FFS-1	FFR-1				
1966-72	Wagon	8	All	A	FFL-1/6	FFL-1	FFS-1	FFR-1				
1966-72	P/Van & Ute	6	All	A	FFL-1/6SL	FFL-1/6	FFS-1	FFR-1				
1966-72	P/Van & Ute	8	All	A	FFL-1/6	FFL-1	FFS-1	FFR-1				
1967-68	XR GT	8	289 A	FFL-2SL	FFL-2	FFS-2	FFR-2	FLS-4SL	FLS-4L	FLS-4S	FLS-1R	
1968-69	XT GT	8	302 A	FFL-2SL	FFL-2	FFS-2	FFR-2	FLS-4SL	FLS-4L	FLS-4S	FLS-1R	
1969-70	XW GT	8	351 A	FFL-2SL	FFL-2	FFS-2	FFR-2	FLS-4SL	FLS-4L	FLS-4S	FLS-1R	
1969-70	XW GTHO	8	351 A		FFL-2SL	FFL-2	FFS-2	FFR-2	FLS-4SL	FLS-4L	FLS-4S	
1970-71	XY GT	8	351 A	FFL-2SL	FFL-2	FFS-2	FFR-2	FLS-4SL	FLS-4L	FLS-4S	FLS-1R	
1970-72	XY GTHO	8	351 A		FFL-2SL	FFL-2	FFS-2	FFR-2	FLS-4SL	FLS-4L	FLS-4S	





Year	Model & Type	Engine		FRONT				REAR			
		Cyl	Cap	Super Low	Sport Low	H/Duty Std. Hgt.	Raised	Super Low	Sport Low	H/Duty Std. Hgt.	Cargo/ LPG
<b>FORD (cont.)</b>											
	<b>Fairlane ZA, ZB, ZC, ZD</b>										
3/67-3/72	Fairlane	6	All A	FFL-1/6	FFL-1	FFS-1	FFR-1	FLS-13SL	FLS-13L		
3/67-3/72	Fairlane	8	All A	FFL-2SL	FFL-2	FFS-2	FFR-2	FLS-13SL	FLS-13L		
	<b>Fairlane ZF, ZG, ZH &amp; LTD, Landau</b>										
4/72-4/79	Fairlane	6	All A	FFL-1/6	FFL-1	FFS-1	FFR-1	FLS-13SL*	FLS-13L		
4/72-4/79	Fairlane	8	All A	FFL-2SL	FFL-2	FFS-2	FFR-2	FLS-13SL*	FLS-13L		
4/72-4/79	LTD & Landau	8	All A	FFL-2SL	FFL-2	FFS-2	FFR-2	FLS-13SL	FLS-13L		
	<b>Fairlane ZJ, LTD FC</b>										
5/79-2/82	Fairlane & LTD	6	All A	FFL-1/6SL	FFL-1/6	FFL-1	FFS-1	FLS-13SL	FLS-13L		
5/79-2/82	Fairlane & LTD	8	All A	FFL-1/6	FFL-2SL	FFL-2	FFS-2	FLS-13SL	FLS-13L		
	<b>Fairlane ZK, ZL, &amp; LTD FD, FE</b>										
3/82-6/88	Fairlane & LTD	6	4.1 A	FFL-1/6	FFL-1	FFS-1	FFR-1	A FRL-18	FRS-18	FRR-18	FRR-18NZ
	<b>Fairlane NA &amp; LTD DA</b>										
7/88-7/91	Fairlane & LTD	6	3.9 A	FFL-27SL	FFL-27	FFS-27	FFR-27	A FRL-42SL* (mto)	FRL-28	FRS-28	FRR-28
	<b>Fairlane NC &amp; LTD DC</b>										
8/91-3/95	Fairlane & LTD	6	4.0 A	FFL-27SL	FFL-27	FFS-27	FFR-27	A FRL-42SL* (mto)	FRL-42	FRS-42	FRR-42
8/91-3/95	Fairlane & LTD	8	5.0 A	FFL-46	FFL-47	FFS-47	FFR-47	A FRL-42SL* (mto)	FRL-42	FRS-42	FRR-42
	<b>Fairlane NF-NL &amp; LTD DF-DL</b>										
3/95-2/99	Fairlane & LTD	6	4.0 A	FFL-46	FFL-47	FFS-47	FFR-47	A FRL-42SL* (mto)	FRL-28	FRS-28	FRR-28
3/95-2/99	Fairlane & LTD	8	5.0 A	FFL-46	FFL-47	FFS-47	FFR-47	A FRL-42SL* (mto)	FRL-28	FRS-28	FRR-28
<b>IMPORTANT:</b> * Lovells recommend the use of shortened bumpstop.											
	<b>Fairlane AU &amp; LTD</b>										
3/99-00	Fairlane	6	4.0 A	FFL-100SL	FFL-100	FFS-100	FFR-100	A FRL-103SL	A FRL-103	FRS-103	FRR-103
3/99-00	Fairlane	8	5.0 A	FFL-102SL	FFL-102	FFS-102	FFR-102	A FRL-103SL	A FRL-103	FRS-103	FRR-103
7/99-00	LTD	6	4.0 A	FFL-100SL	FFL-100	FFS-100	FFR-100	A FRL-103SL	A FRL-103	FRS-103	FRR-103
7/99-00	LTD	8	5.0 A	FFL-102SL	FFL-102	FFS-102	FFR-102	A FRL-103SL	A FRL-103	FRS-103	FRR-103
	<b>Focus</b>										
10/02-07/05	Hatch	4	All A	FFL-70SL (mto)	FFL-70			A FRL-71SL (mto)	FRL-71 (mto)		
8/05 on	Seadrn/Hatch	4	All A	FFL-72SL>	FFL-72 (mto)			A FRL-71SL (mto)	FRL-71 (mto)		
	<b>Laser (Excluding TX Turbo &amp; 4WD)</b>										
3/81-3/90	KA,KB,KC,KE Hatch	4	All A	FFL-15SL (mto)	FFL-15	FFS-15	FFR-15	A		FRS-16>	FRR-16
10/87-3/90	KE Wagon	4	All A	FFL-15SL (mto)	FFL-15	FFS-15	FFR-15	A		FRS-16>	FRR-16
4/90-10/94	KF,KH Sedan/Hatch	4	All A	FFL-43SL	FFL-43 (mto)	FFS-43 (mto)	FFR-43 (mto)	A FRL-44SL	FRL-44 (mto)	FRS-44 (mto)	FRR-44>
10/94-2/99	KJ,KL Sedan/Hatch	4	All A	MFL-32SL>	MFL-32	FFS-45>		A FRL-48SL (mto)	FRL-48	MRS-33	
2/99-03	KN,KQ Sedan/Hatch	4	All A		MFL-41			A	MRL-42		
	<b>Meteor</b>										
4/82-9/87	GA,GB,GC Sedan	4	All A	FFL-15SL (mto)	FFL-15	FFS-15	FFR-15	A		FRS-16>	FRR-16
	<b>Mondeo</b>										
7/95-11/96	HA,HB Sedan/Hatch	4	2.0 B	FFL-60SL (mto)	FFL-60 (mto)	FFS-60>	FFR-60 (mto)	B FRL-61SL (mto)	FRL-61 (mto)	FRS-61 (mto)	FRR-61 (mto)
	<b>Mustang</b>										
64-66	Coupe	8	All B	MUS-2L	MUS-1L					MUS-40S	
67-76	Coupe	8	All A		FFL-17SL						
2015 on	Coupe		All B		FFL-116			B	FRL-117		
	<b>Probe</b>										
6/94-98	ST Coupe	6	2.5 A		MFL-28 (mto)			A	MRL-29 (mto)		
	<b>Telstar AR, AS, TX5</b> (equipped with original NON ADJUSTABLE struts)										
5/83-9/87	AR,AS Sedan/Hatch	4	2.0 A		FFL-49>	FFS-49 (mto)	FFR-49>	A		FRS-14 (mto)	FRR-14 (mto)
	<b>Telstar AR, AS, TX5</b> (equipped with original electric ADJUSTABLE struts)										
5/83-9/87	AR,AS Sedan/Hatch	4	2.0 A		FFL-19 (mto)	FFS-19>	FFR-19 (mto)	A		FRS-20>	FRR-20 (mto)
	<b>Telstar AR, AS, TX5</b> (converted from electric ADJUSTABLE to non ADJUSTABLE struts)										
5/83-9/87	AR,AS Sedan/Hatch	4	2.0 A		FFL-19 (mto)	FFS-19>	FFR-19 (mto)	A		FRS-20>	FRR-20 (mto)
<b>IMPORTANT:</b> * When fitted, these coils may raise the ride height slightly due to the sagging of original coils. We recommend always fit Bumpstop part no. N92347 & original tops to ensure accurate fitment.											
	<b>Telstar &amp; TX5</b>										
10/87-1/92	AT,AV Sedan/Hatch	4	All A	MFL-35SL	MFL-35	MFS-35 (mto)		A MRL-40SL (mto)	MRL-40 (mto)	MRS-40 (mto)	
2/92-7/96	AX,AY Sedan/Hatch	4	2.0 A	MFL-35SL	MFL-35	MFS-35 (mto)		A MRL-36SL (mto)	MRL-36>	MRS-36	
2/92-7/96	AX,AY Sdn/Hitch (V6)	6	2.5 A	MFL-37SL>	MFL-37 (mto)	MFS-37		A MRL-36SL (mto)	MRL-36>	MRS-36	
	<b>Territory</b>										
4/04/2011	SX,SY (2WD)	6	All B		FFL-80	FFS-80	FFR-80	B	FRL-81 (mto)	FRS-81	FRR-81†
5/11 on	SZ AWD (4WD)	All D	B		FFS-110	FFS-111		B FRS-81	FRL-81 (mto)	FRS-81	FRR-81†
<b>Note: † Extra heavy duty coils available for SX,SY,SZ Territory FRR-81HD</b>											
<b>FORD LIGHT COMMERCIALS (4WD Applications, refer to 4x4 Spring Catalogue)</b>											
	<b>F Series 2WD</b>										
67-79	F100	8	All C					FFR-6			
67-80	F250-F350	8	All C					FFR-7			
80-89	F100-F150	8	All C					FFR-23	FFR-10SP		





Year	Model & Type	Engine		FRONT				REAR				
		Cyl	Cap	Super Low	Sport Low	H/Duty Std. Hgt.	Raised	List	Super Low	Sport Low	H/Duty Std. Hgt.	Cargo/ LPG
8/06-6/13	Sedan w/FE2 SUSP	6	3.6 A	HFL-114SSL	HFL-114SL	HFL-114	HFS-114	A	HRL-115SSL	HRL-115SL	HRL-115	HRS-115
8/06-6/13	Sedan	8	6.0 A	HFL-114SSL	HFL-114	HFS-114	HFR-114	A	HRL-115SL	HRL-115	HRS-115	HRR-115
8/06-6/13	Sedan w/FE2 SUSP	8	6.0 A	HFL-114SSL	HFL-114SL	HFL-114	HFS-114	A	HRL-115SSL	HRL-115SL	HRL-115	HRS-115
7/08-6/13	Wagon	6	3.6 A	HFL-114SL	HFL-114	HFS-114	HFR-114	A	HRL-118SL	HRL-118	HRS-118	HRR-118
7/08-6/13	Wagon w/FE2 SUSP	6	3.6 A	HFL-114SSL	HFL-114SL	HFL-114	HFS-114	A	HRL-118SSL	HRL-118SL	HRL-118	HRS-118
7/08-6/13	Wagon	8	6.0 A	HFL-114SSL	HFL-114	HFS-114	HFR-114	A	HRL-118SL	HRL-118	HRS-118	HRR-118
7/08-6/13	Wagon w/FE2 SUSP	8	6.0 A	HFL-114SSL	HFL-114SL	HFL-114	HFS-114	A	HRL-118SSL	HRL-118SL	HRL-118	HRS-118
8/06-6/13	Ute	6	3.6 A	HFL-114SL	HFL-114	HFS-114	HFR-114	A	HRL-115SL	HRL-115SL	HRL-115	HRS-115
8/06-6/13	Ute SS w/FE2 SUSP	6	3.6 A	HFL-114SSL	HFL-114SL	HFL-114	HFS-114	A	HRL-116XSL	HRL-115SSL	HRL-115SL	HRL-115
8/06-6/13	Ute	8	6.0 A	HFL-114SL	HFL-114	HFS-114	HFR-114	A	HRL-115SSL	HRL-115SL	HRL-115	HRS-115
8/06-6/13	Ute SS w/FE2 SUSP	8	6.0 A	HFL-114SSL	HFL-114SL	HFL-114		A	HRL-116XSL	HRL-115SSL	HRL-115SL	HRL-115
8/06-6/13	Ute- TRADE PACK	6/8	All A			HFS-114		C			HRR-118EHD	
<b>Note:</b> # Extra Super Low Part Nos. HFL-114SSL & HRL-115SSL available to suit VE Commodore.												
<b>Commodore VF</b>												
7/13 on	Sedan	6	3.0 B	HFL-183SL	HFL-183	HFS-183		B	HRL-184SL	HRL-184	HRS-184	HRS-118
7/13 on	Sedan w/FE2 SUSP	6	3.0 B	HFL-183SSL	HFL-183SL	HFL-183		B	HRL-184SSL	HRL-184SL	HRL-184	HRS-184
7/13 on	Sedan	8	6.0 B	HFL-183SL	HFL-183	HFS-183		B	HRL-184SL	HRL-184	HRS-184	HRS-118
7/13 on	Sedan w/FE2 SUSP	8	6.0 B	HFL-183SSL	HFL-183SL	HFL-183		B	HRL-184SSL	HRL-184SL	HRL-184	HRS-184
7/13 on	Wagon	6	3.0 B	HFL-183SL	HFL-183	HFS-183		A	HRL-118SL	HRL-118	HRS-118	HRR-118
7/13 on	Wagon w/FE2 SUSP	6	3.0 B	HFL-183SSL	HFL-183SL	HFL-183		A	HRL-118SSL	HRL-118SL	HRL-118	HRS-118
7/13 on	Wagon	8	6.0 B	HFL-183SL	HFL-183	HFS-183		A	HRL-118SL	HRL-118	HRS-118	HRR-118
7/13 on	Wagon w/FE2 SUSP	8	6.0 B	HFL-183SSL	HFL-183SL	HFL-183		A	HRL-118SSL	HRL-118SL	HRL-118	HRS-118
7/13 on	Ute	6	3.0 B	HFL-183SL	HFL-183	HFS-183		A	HRL-115SSL	HRL-115SL	HRL-115	HRS-115
7/13 on	Ute w/FE2 SUSP	6	3.0 B	HFL-183SSL	HFL-183SL	HFL-183		A	HRL-116XSL	HRL-115SSL	HRL-115SL	HRL-115
7/13 on	Ute	8	6.0 B	HFL-183SL	HFL-183	HFS-183		A	HRL-115SSL	HRL-115SL	HRL-115	HRS-115
7/13 on	Ute w/FE2 SUSP	8	6.0 B	HFL-183SSL	HFL-183SL	HFL-183		A	HRL-116XSL	HRL-115SSL	HRL-115SL	HRL-115
<b>Cruze</b>												
5/09-2/11	JG Wagon (Petrol)	4	1.5 B		HFL-210>			B		HRL-211 (mto)		
5/09-2/11	JG Wagon (Diesel)	4		B	HFL-215>			B		HRL-211 (mto)		
3/11 on	JH Sedan	4		B	HFL-218 (mto)			B		HRL-211 (mto)		
<b>Gemini</b>												
3/75-9/79	TX,TC,TD Sdn/C'pe	4	1.6 A	HFL-6SL	HFL-6	HFS-6	HFR-6	A	HRL-7SL	HRL-7	HRS-7	HRR-7
10/79-4/85	TE-TG Sedan (Petrol)	4	1.6 A	HFL-6	HFS-6	HFR-6		A	HRL-7	HRL-25	HRR-7	HRR-25
3/75-9/79	TX,TC,TD Wgn/Van	4	1.6 A	HFL-6SL	HFL-6	HFS-6	HFR-6	A	HRL-7SL	HRL-7	HRS-7	HRR-7
10/79-4/85	TE,TF,TG Wgn/Van	4	1.6 A	HFL-6	HFS-6	HFR-6		A	HRL-7	HRL-25	HRR-7	HRR-25
5/85-87	RB Sedan	4	1.6 A		HFL-82 (mto)			A		HRL-83>		
<b>Monaro (Export: Pontiac GTO)</b>												
12/01-5/06	CV6	6	3.8 A	HFL-70XSL	HFL-70SL	HFL-76		B	HRL-66SL	HRL-66	HRL-61	
12/01-5/06	CV8	8	5.7 A	HFL-70SL	HFL-76	HFS-76		B	HRL-66SL	HRL-66	HRL-61	
<b>Statesman</b>												
3/90-2/94	VQ	8	5.0 A	HFL-19	HFL-60	HFS-60	HFR-60	B	HRL-61SL	HRL-61	HRS-61	HRR-61
3/94-6/99	VR,VS	8	5.0 A	HFL-73SL	HFL-78	HFS-78	HFR-78	B	HRL-61SL	HRL-61	HRS-61	HRR-61
6/99-05	WH,WK,WL	8	All A	HFL-73SL	HFL-78	HFS-78	HFR-78	B	HRL-61	HRS-61	HRR-61	HRR-63
8/06 on	WM	8	All A	HFL-114SL	HFL-114	HFS-114	HFR-114	B	HRL-115	HRS-115	HRR-115	HRR-118

IMPORTANT: * Lovells recommend the use of shortened bumpstop.

When replacing Commodore standard front top bearing assemblies with urethane alternatives, vehicle ride height can increase up to 20mm





Year	Model & Type	Engine		FRONT				REAR				
		Cyl	Cap	Super Low	Sport Low	H/Duty Std. Hgt.	Raised	Super Low	Sport Low	H/Duty Std. Hgt.	Cargo/ LPG	
<b>MAZDA (cont.)</b>												
<b>626 RWD &amp; Capella</b>												
10/70-10/78	Capella	4	1.6 A	MFL-4SL	MFL-4 (mto)	MFS-4>	MFR-4 (mto)	A	MRL-5 (mto)	MRS-5 (mto)	MRR-5 (mto)	
11/78-82	CB2 RWD	4	2.0 A	MFL-16SL	MFL-16	MFS-16 (mto)	MFR-16 (mto)	A MRL-1SL	MRL-1 (mto)	MRS-1 (mto)	MRR-1 (mto)	
<b>626 FWD GC - equipped with original NON-ADJUSTABLE struts</b>												
2/83-4/87	GC Sedan/Hatch	4	2.0 A		FFL-49>	FFS-49 (mto)	FFR-49>	A		FRS-14 (mto)	FRR-14 (mto)	
<b>626 FWD GC - equipped with original electric ADJUSTABLE struts</b>												
2/83-4/87	GC Sedan/Hatch	4	2.0 A		FFL-19 (mto)	FFS-19>	FFR-19 (mto)	A		FRS-20>	FRR-20 (mto)	
<b>626 FWD GC - converted from electric ADJUSTABLE to NON-ADJUSTABLE struts</b>												
2/83-4/87	GC Sedan/Hatch	4	2.0 A		FFL-19 (mto)	FFS-19>	FFR-19 (mto)	A		FRS-20>	FRR-20 (mto)	
<b>626 FWD</b>												
10/87-12/91	GD Sedan/Hatch	4	All A	MFL-35SL	MFL-35	MFS-35 (mto)		A MRL-40SL (mto)	MRL-40 (mto)	MRS-40 (mto)		
10/87-12/91	GD Super Deluxe Hatch	4	T A		MFL-44 (mto)			A MRL-45 (mto)				
1/92-8/97	GE Sedan/Hatch	4	All A	MFL-35SL	MFL-35	MFS-35 (mto)		A MRL-36SL (mto)	MRL-36>	MRS-36		
5/92-8/97	GE Sedan/Hatch (V6)	6	2.5 A	MFL-37SL	MFL-37 (mto)	MFS-37		A MRL-36SL (mto)	MRL-36>	MRS-36		
8/97-02	GF Sedan	4	2.0 A		MFL-53 (mto)			A MRL-54 (mto)				
1/98 on	GW Wagon	4	2.0 A		MFL-53 (mto)	MFS-37		A MRS-51 (mto)	MRR-51 (mto)			
<b>808 &amp; Savanna</b>												
2/72-78	Sedan,Coupe & Wgn	4	All A		MFL-6>	MFS-6 (mto)	MFS-10 (mto)					
<b>929 &amp; Luce 929</b>												
4/73-6/79	LA2 Sdn,Cpe & Wgn	4	All A		MFL-6>	MFS-6 (mto)	MFR-10 (mto)					
6/78-2/82	929L Sedan/Coupe	4	All					A			MRR-2 (mto)	
3/82-4/87	HB Sedan	4	All A		MFL-39 (mto)	MFS-39 (mto)	MFR-39 (mto)	A TRL-13	TRS-13	TRR-13 (mto)		
<b>CX 7</b>												
11/06 on	ER1031 Wagon	4	All B		MFL-70			B MRL-71				
<b>CX 9</b>												
12/06 on	TB10A1 Wagon	6	3.8 B		MFL-68>			B MRL-69>				
<b>MX 5</b>												
10/89-12/97	NA Coupe	4	All A		MFL-26 (mto)			A MRL-45 (mto)				
3/98 on	NB Coupe	4	All A		MFL-26 (mto)			A MRL-29 (mto)				
<b>MX 6</b>												
2/89-10/91	GD Coupe	4	T A		MFL-44 (mto)			A MRL-45 (mto)				
11/91-10/97	GE Coupe (V6)	6	2.5 A		MFL-28 (mto)			A MRL-29 (mto)				
9/94-10/97	GE Coupe 4WS (V6)	6	2.5 A		MFL-22 (mto)			A MRL-23 (mto)				
<b>R Series (Rotary powered)</b>												
6/69-72	R100 Coupe	R	All A		MFL-4SL	MFL-4 (mto)						
10/70-76	RX2 Sedan/Coupe	R	All A	MFL-4SL	MFL-4 (mto)	MFS-4>	MFR-4 (mto)	A MRL-5 (mto)	MRS-5 (mto)	MRR-5 (mto)		
1972-4/76	RX3 Sedan/Coupe	R	All A		MFL-6>	MFS-6 (mto)	MFS-10 (mto)					
4/73-79	RX4 (Conical Coil)	R	All B		MFL-7 (mto)	MFS-7 (mto)						
4/73-79	RX4 (Parallel Coil)	R	All A	MFL-6>	MFS-6	MFS-10 (mto)						
7/76-80	RX5 Coupe	R	All B		MFL-7 (mto)	MFS-7 (mto)		B MRS-8>	MRR-8 (mto)			
3/79-10/85	RX7 Series 1,2,3	R	All B			MFS-20 (mto)	MFR-20 (mto)	B MRS-21 (mto)	MRR-21 (mto)			
2/86-6/89	RX7 Series 4	R	B		MFL-30>			B				
2/86-6/89	RX7 Series 4 (Turbo)	R	T B		MFL-30HD (mto)			B				
7/89-4/92	RX7 Series 5 (non turbo)	R	B		MFL-30>			B				
7/03 on	RX8 Coupe	R	All B		MFL-57			B				
<b>IMPORTANT: RX4 have parallel and conical coil options -please check before ordering</b>												
<b>MAZDA LIGHT COMMERCIAL (4WD Applications refer 4x4 Spring Catalogue)</b>												
<b>'B' Series Pick-ups</b>												
8/71-85	B1600,1800,2000	4	P A			MFS-15 (mto)	MFR-15 (mto)					
6/85-2/88	B2200 Diesel	4	D A			MFR-15 (mto)						
3/91-2/99	B2600 2WD Ute	4	All		Torsion Bar				MR-27SH (mto)	MR-27 (mto)		
3/91-2/99	B2600 2WD Ute H/D	4	All		Torsion Bar					MR-27XHD (mto)		
<b>'E' Series Vans</b>												
1980-84	E1300,1600,2000	4	P A			MFS-12 (mto)	MFR-12 (mto)					
1980-84	E2200	4	D A			MFS-14 (mto)	MFR-14 (mto)					
<b>MERCEDES BENZ</b>												
2/98-4/04	Vito Van	4	All D		MFL-200 (mto)			B MRL-201 (mto)		MRR-201EHD (mto)		
5/04 on	Vito Van	4	All D		MFL-202 (mto)			B HRR-5 (mto)		HRR-5HD (mto)		
<b>MINI</b>												
01 on	R50 Cooper	4	All B		LFL-5 (mto)			B LRL-6 (mto)				





Year	Model & Type	Engine		FRONT					REAR					
		Cyl	Cap	Super Low	Sport Low	H/Duty Std. Hgt.	Raised	Super Low	Sport Low	H/Duty Std. Hgt.	Cargo/ LPG			
<b>NISSAN LIGHT COMMERCIAL (4WD Applications - refer 4x4 Spring Catalogue)</b>														
<b>Navara</b>														
12/05 on	D40 T/Back Ute 2WD	6	B		DFL-195 (mto)	DFS-195 (mto)	DFR-195 (mto)							
<b>XFN Ute</b>														
8/88-91	Ute	6	4.1 A	FFL-17/6	FFL-17	FFS-17 (mto)	FFR-17	FLS-9SL	FLS-9L	FLS-9S				
8/88-91	Ute (Uprated)	6	4.1 A	FFL-1/6SL	FFL-1/6	FFL-1	FFS-1	FLS-9SL	FLS-9L	FLS-9S				
<b>OPEL - refer HOLDEN</b>														
<b>PEUGEOT</b>														
<b>406</b>														
10/96 on	Sedan		All B		PFL-100 (mto)			B		PRL-101 (mto)				
<b>PROTON</b>														
5/95-11/96	Wira	4	1.5 A		PFL-5 (mto)			A						
10/97-12/99	M21 Coupe	4	1.8 A		PFL-7 (mto)			A						
11/96-03	Persona	4	All A		PFL-7 (mto)			A						
2/97-03	Satria	4	1.5 A		PFL-7 (mto)			A						
10/99-03	Satria GTi	4	All A		PFL-12 (mto)			A						
12/09 on	S16 Sedan	4	All B		PFL-105 (mto)			B		PRL-106 (mto)				
<b>RENAULT</b>														
5/01-8/05	Clio Hatch	4	1.6 A		RFL-36 (mto)			A		RRL-37 (mto)				
<b>ROVER</b>														
3/01 on	75 Sedan		B		RFL-34 (mto)			B		RRL-35 (mto)				
1977-87	3500 SD1-SE1	8	3.5 B		RFL-9 (mto)	RFS-9 (mto)		B		RRL-10 (mto)	RRS-10 (mto)			
1977-87	3500 SE2 Vanden Plas	8	3.5 B			RFL-9 (mto)	RFS-9 (mto)	B			RRL-10 (mto)	RRS-10 (mto)		
<b>SAAB</b>														
3/79-1/94	900 Sedan	4	All B		SFL-900>			B		SRL-901>				
2/94-6/98	900 Sedan	4	All B		SFL-94 (mto)			B		SRL-95 (mto)				
2/94-6/98	900 Convertible	4	All B		SFL-98 (mto)			B		SRL-95 (mto)				
5/86-11/90	9000 Sedan	4	All B		SFL-92 (mto)			B		SRL-93 (mto)				
<b>SEAT</b>														
<b>Cordoba, Ibiza</b>														
1/95-9/98	Cordoba	4	All A		SFL-52 (mto)			A						
1/95-9/98	Ibiza	4	1.4 A		SFL-50 (mto)			A						

Year	Model & Type	Engine		FRONT				REAR						
		Cyl	Cap	SL	Super Low	Sport Low	H/Duty Std. Hgt.	Raised	SL	Super Low	Sport Low	H/Duty Std. Hgt.	Cargo/ LPG	
<b>SUBARU</b>														
<b>Forester</b>														
8/97-02	Wagon	4	2.0	A	SFL-4SL>	SFL-22		SFR-101>	A	SRL-108 (mto)	SRL-102 (mto)		SRR-102	
5/99-02	Limited Wagon	4	2.0	A				SFR-103 (mto)	A			SRS-102	SRR-104 (mto)	
8/03-2/08	Wagon	4	2.5	A	SRL-23	SRS-23			A	SRS-7	SRR-7			
3/08-2013	Wagon	4	2.5	B		SFL-90	SFS-90>	SFR-90	A		SRL-91	SRS-91 (mto)	SRR-91	
<b>Impreza</b>														
8/94-2/97	Impreza Sports Wgn	4	All	A	SFL-4>	SFL-22	SFS-22>		A	SRL-27 (mto)	SRL-23	SRS-23		
2/94-8/99	Impreza WRX	4	All	A	SFL-4SL>	SFL-4>	SFL-22		A	SRL-5SL (mto)	SRL-5 (mto)	SRL-23		
4/96-8/99	Impreza RX	4	All	A	SFL-4>	SFL-26 (mto)	SFS-26 (mto)		A	SRL-5 (mto)	SRL-27 (mto)	SRS-27 (mto)		
9/99-03	WRX S44-MY01/02	4	All	A		SFL-54 (mto)			A	SRL-55SL (mto)	SRL-55 (mto)			
2003-05	WRX-MY03	4	All	A		SFL-4>			A		SRL-65>			
2006-7/07.	Impreza & WRX	4	All	A		SFL-4>			A		SRL-65>			
<b>Leone</b>														
10/79-84	Sedan	4	All	A		FFL-40SL (mto)	FFL-40 (mto)	FFS-40 (mto)						
<b>Liberty</b>														
10/89-8/91	BC-BF Sdn/Wgn 4WD *	4	2.2	A		SFL-152NZ (mto)	SFL-154NZ		A	SRS-7	SRR-7	SRR-7HD (mto)		
10/89-8/91	BC-BF Sdn RS/GT *	4	2.2	A		SFL-154NZ	SFS-16 (mto)		A	SRL-7>	SRS-7	SRR-7		
10/89-8/91	BC-BF Wgn RS/GT	4	2.2	A		SFL-154NZ	SFS-16 (mto)		A	SRS-7	SRR-7			
10/89-5/94	BC-BF Sdn 2WD	4	2.2	A		SFL-6 (mto)	SFS-6 (mto)		A	SRL-7>	SRS-7	SRR-7		
10/89-5/94	BC-BF Wgn 2WD	4	2.2	A		SFL-6 (mto)	SFS-6 (mto)		A					
1/92-5/94	BC-BF Sedan :)	4	2.2	A	SFL-152NZ (mto)	SFL-154NZ	SFS-16 (mto)		A	SRL-27 (mto)	SRL-155NZ (mto)	SRS-155NZ (mto)	SRR-155NZ (mto)	
1/92-5/94	BC-BF Sdn RS/GT :)	4	2.2	A	SFL-152NZ (mto)	SFL-154NZ	SFS-16 (mto)		A	SRL-27 (mto)	SRL-155NZ (mto)	SRS-155NZ (mto)	SRR-155NZ (mto)	
1/92-5/94	BC-BF Wagon :)	4	2.2	A	SFL-152NZ (mto)	SFL-154NZ	SFS-16 (mto)		A	SRL-27 (mto)	SRL-23	SRS-155NZ (mto)	SRR-155NZ (mto)	
1/92-5/94	BC-BFWgn RS/GT :)	4	2.2	A	SFL-152NZ (mto)	SFL-154NZ	SFS-16 (mto)		A	SRL-27 (mto)	SRL-23	SRS-155NZ (mto)	SRR-155NZ (mto)	
6/94-97	BD,BG Sedan	4	2.2	A		SFL-16 (mto)	SFS-16 (mto)							
6/94-97	BC,BD,BG Wgn	4	2.2	A		SFL-16 (mto)	SFS-16 (mto)		A	SRL-17>	SRS-17>	SRR-17 (mto)		
6/94-97	BD,BG Sedan RS	4	2.2	A		SFL-16 (mto)	SFS-16 (mto)							
6/94-97	BC,BD,BG Wgn RS	4	2.2	A		SFL-16 (mto)	SFS-16 (mto)		A	SRL-17>	SRS-17>	SRR-17 (mto)		
9/97-99	BD RX Sedan	4	2.5	A	SFL-4>	SFL-22	SFS-22>		A	SRL-27 (mto)	SRL-23	SRS-23		
9/97-03	BE Sedan	4	2.5	A	SFL-4>	SFL-22			A	SRL-105SL (mto)	SRL-105 (mto)			
9/03 on	MY04 Sedan	4	2.5	A	SFL-106SL (mto)	SFL-106 (mto)			A	SRL-105SL (mto)	SRL-105 (mto)			
05 on	GT	4	2.5	A	SFL-106SL (mto)	SFL-106 (mto)			A	SRL-105SSL (mto)	SRL-105SL (mto)			
<b>IMPORTANT:</b> * Does not suit vehicles with air suspension      : ) Face lift model														
<b>Outback</b>														
9/96-98	Wagon- 2nd Gen 4x4	4	2.5	A				SFR-9 (mto)	A				SRR-8 (mto)	
98-01	Wagon- 3rd Gen	4	2.5	A				SFR-4 (mto)	SFR-101>	A		SRS-40 (mto)	SRR-40 (mto)	
<b>SUZUKI</b>														
<b>Baleno, Cino, Swift</b>														
1/89-99	Swift, GTi, Cino	4	All	A	SFL-13SL (mto)	SFL-13	SFS-13>		A	SRL-12SL (mto)	SRL-12	SRS-12		
2/05-2/11	Swift RS415 Hatch	4	All	A		SRL-65>			A					
3/11 on	Swift	4	All	B		SFL-212 (mto)			B					
4/95-01	Baleno	4	1.6	A	SFL-14SL (mto)	SFL-14 (mto)	SFS-14 (mto)		A	SRL-15SL (mto)	SRL-15 (mto)	SRS-15 (mto)	SRR-15 (mto)	
SUZUKI - X90 refer 4x4 Spring Catalogue														
<b>SUZUKI 4WD Applications - refer 4x4 Spring Catalogue</b>														



Year	Model & Type	Engine		FRONT				REAR				
		Cyl	Cap	Super Low	Sport Low	H/Duty Std. Hgt.	Raised	Super Low	Sport Low	H/Duty Std. Hgt.	Cargo/ LPG	
<b>TOYOTA (cont.)</b>												
<b>MR2</b>												
11/87-12/89	AW11	4	1.6					A	TRL-57			
1/90-99	SW20	4	2.0	B	TFL-112 (mto)			A	TRL-113 (mto)			
10/00-7/02	30 Series	4	1.8	B				A	TRL-125 (mto)			
<b>Paseo</b>												
6/91-99	EL44,54	4	1.5	B	TFL-84>			C				
<b>Starlet</b>												
3/96-9/99	EP90,91 Hatch	4	All	A	TFL-84>	TFS-76 (mto)		A				
<b>Supra</b>												
6/83-12/85	MA61 Coupe	6	2.8	B	TFL-37	TFS-37		A	TRL-27	TRS-27	TRR-27 (mto)	
3/86-12/82	MA70,71 Coupe	6	3.0	B	TFL-88 (mto)			B	TRL-89* (mto)			
3/86-12/92	MA70,71 Turbo	6	T	B	TFS-88 (mto)			A	CRL-40SL			
Note: * Check end configuration of original coil spring before ordering - if coil straight, use part no. TRL-63												
<b>Sprinter</b>												
7/83-85	AE86 Coupe	4	All	A	TFL-33SL (mto)	TFL-33 (mto)	TFS-33 (mto)	A	TRL-34SL (mto)	TRL-34 (mto)	TRS-34 (mto)	
<b>Tercel</b>												
10/83-4/88	AL25 4WD	4	1.5	B			TFR-38>	B			TRR-39	
<b>Tarago 2WD</b>												
2/83-8/90	YR-Series	4	All		Torsion Bar			A		TRS-40	TRR-40 (mto)	
9/90-00	AC-Series	4	2.5	B	TFL-114 (mto)	TFS-114 (mto)		B	TRL-115 (mto)	TRS-115	TRR-115>	
9/90-00	TCR-10	4	All	B	TFL-114 (mto)	TFS-114 (mto)		B	TRL-115 (mto)	TRS-115	TRR-115>	
<b>TOYOTA LIGHT COMMERCIAL (4WD Applications - refer 4x4 Spring Catalogue)</b>												
<b>Hi-Ace</b>												
1995 on	SBV Van (SWB)	4	2.4					A			TRS-98	
1995 on	SBV Van (LWB)	4	2.4					A		TRS-98	TRR-98* (mto)	
IMPORTANT: * Extra heavy duty coil springs available for SBV LWB Van - part no. TRR-98HD												
<b>Hi-Lux 2WD</b>												
9/68-10/81	T/Back & Ute	4	All	A	TFL-9	TFS-9 (mto)	TFR-9 (mto)					
11/99-2/05	T/Back & Ute	4	All		Torsion Bar							
3/05-12/15	T/Back & Ute	6	All	B	TFL-130SL	TFL-130	TFS-130	TFR-130		TL-52 (mto)	TL-52HD (mto)	
	KUN126/GGN15/ TGN16											
IMPORTANT: * Extra heavy duty front coil springs and rear leaf springs available for 3/05 on Hilux - Front part no. TFR-130HD. Rear part no. TL-52EXHD												
<b>VOLKSWAGEN</b>												
<b>Beetle</b>												
1/00-01	WVW Sedan	4	2.0	B	VFL-30 (mto)			B	VRL-31 (mto)			
<b>Golf</b>												
3/76-78	Hatch (Petrol)	4	1.6	B	VFL-11 (mto)	VFS-11 (mto)	VFR-11 (mto)	B				
6/79-82	Hatch	4	All					B				
3/94-8/98	Hatch	4	All	B	VFL-15 (mto)	VFS-15 (mto)		B				
9/98 on	4th Gen. Hatch	4	All	B	VFL-20 (mto)			B				
IMPORTANT: 9/98 on Golf part numbers do not suit GTi												
<b>Passat</b>												
2/98 on	Sedan	4	All	B	AFL-1 (mto)			A	HRS-9			
<b>Polo</b>												
12/96-12/99	AO3 Hatch	4	1.6	B	VFL-15 (mto)			A				
<b>VOLKSWAGEN LIGHT COMMERCIAL</b>												
<b>Transporter 2wd</b>												
11/92-7/04	T4 LWB Van/T'Back		All		Torsion Bar			D		VRR-13 (mto)	VRR-13HD	
11/92-7/04	T4 SWB Van/T'Back		All		Torsion Bar			D		VRL-13 (mto)	VRR-13 (mto)	
8/04 on	T5 Van/T'Back		All	C			VFR-17	D			VRR-16	
Note: Extra heavy duty coil springs available for LWB VRR-13EHD (T4) & VRR-16HD (T5)												

Year	Model & Type	Engine			FRONT				REAR				
		Cyl	Cap	Lbs	Super Low	Sport Low	H/Duty Std. Hgt.	Raised	Lbs	Super Low	Sport Low	H/Duty Std. Hgt.	Cargo/ LPG
<b>VOLVO</b>													
<b>240 Series</b>													
3/75-1/83	242,244 Sedan	4	All	B		VFL-4 (mto)	VFS-4 (mto)	VFR-4 (mto)	B		VRL-2 (mto)	VRS-2 (mto)	VRR-2 (mto)
2/83-9/93	240 Sedan	4	2.4	B		VFL-6	VFS-6 (mto)	VFR-6	B		VRL-7	VRS-7 (mto)	VRR-7
3/75-87	245 Wagon	4	All	B		VFL-6	VFS-6 (mto)	VFR-6	B		VRL-2 (mto)	VRS-5 (mto)	VRR-5 (mto)
<b>260 Series</b>													
1980-81	262	6	3.0	B		VFL-6	VFS-6 (mto)	VFR-6	B		VRL-7	VRS-7 (mto)	VRR-7
3/75-83	264 Sedan	4	All	B		VFL-6	VFS-6 (mto)	VFR-6	B		VRL-7	VRS-7 (mto)	VRR-7
3/75-86	265 Wagon	4	All	B		VFL-6	VFS-6 (mto)	VFR-6	B		VRL-2 (mto)	VRS-5 (mto)	VRR-5 (mto)
<b>740 Series</b>													
1983-93	740 w/live axle	4	2.4	B		VFL-8	VFS-8 (mto)	VFR-8 (mto)	B		VRL-9 (mto)	VRS-9 (mto)	VRR-9 (mto)
1983-93	740 w/IRS	4	2.4	B		VFL-8	VFS-8 (mto)	VFR-8 (mto)	A		FRL-35	FRS-35	FRR-35>
6/85-1/92	740 incl Turbo	4	2.4	B		VFL-8	VFS-8 (mto)	VFR-8 (mto)	B		VRL-9 (mto)	VRS-9 (mto)	VRR-9 (mto)
<b>760 Series</b>													
1983-93	760 w/live axle	4	2.4	B		VFL-8	VFS-8 (mto)	VFR-8 (mto)	B		VRL-9 (mto)	VRS-9 (mto)	VRR-9 (mto)
1983-93	760 w/IRS	4	2.4	B		VFL-8	VFS-8 (mto)	VFR-8 (mto)	A		FRL-35	FRS-35	FRR-35>
<b>940 Series</b>													
1983-93	940 w/live axle	4	2.4	B		VFL-8	VFS-8 (mto)	VFR-8 (mto)	B		VRL-9 (mto)	VRS-9 (mto)	VRR-9 (mto)
1983-93	940 w/IRS	4	2.4	B		VFL-8	VFS-8 (mto)	VFR-8 (mto)	A		FRL-35	FRS-35	FRR-35>