

# PEDDERS

**LOAD CARRYING &  
TOWING SOLUTIONS**

The place to go before you TOW

- Shock Absorbers •
- Heavy Duty Coil Springs •
- Leaf Springs •
- Torsion Bars •
- Air Bag Kits •
- Tow Bars & Accessories •
- Bushes •
- Brakes •



## Load Carrying & Towing Solutions from Pedders Suspension

A vehicle's suspension is designed to provide optimum handling and comfort under a "normal load carrying or towing situation".

### But what is deemed to be normal?

In our experience at Pedders Suspension, many light commercials, SUV & crossover vehicles that regularly carry close to their maximum load require shock and spring replacements for safe and comfortable levels of suspension control and support.

Likewise, passenger cars that regularly carry their maximum number of occupants with luggage or extra equipment such as trailers or campervans do not perform to their potential in terms of ride comfort and handling without suspension upgrading.

Pedders has a comprehensive range of load carrying and towing products and the expert "No Bull" advice to help identify and satisfy the real needs of the private and commercial vehicle markets.

When towing or carrying heavy loads, a vehicle has reduced compression travel in the suspension, thus resulting in reduced bump stop clearance. Ride comfort, traction, handling, steering, braking efficiency and even the aim of the headlights can all be adversely affected thus reducing comfort levels, stability and safety.

Tow hitches distribute the weight of the towed vehicle, but do not compensate for the effects of the load on the vehicle's suspension.

Pedders Suspension recommends the installation of upgraded suspension components. This will restore a vehicles ride height, comfort, stability, safety and handling under loads. The available options listed in this brochure are all designed to suit particular needs and applications.

Pedders has the expertise and specialist products to improve the ride, handling, stability and safety of virtually all vehicles on our roads today, when carrying or towing heavy loads.

## Towbars



APPROVED  
INSTALLER



Choosing the right equipment is essential for safe, comfortable and trouble free towing. Pedders towing solutions include everything that is required from Hayman Reese such as towbars, accessories, brake controllers to weight distribution systems.

## Pedders Suspension Shocks for Load Carrying & Towing

Pedders has shock absorbers rated to match heavy duty springs for most applications. Pedders Suspension has a range of shocks that maintain superior comfort levels while providing that extra level of suspension control needed under those heavy load carrying conditions.



Pedders Suspension TrakRyder 9100 Series Shock Absorber.



Pedders TrakRyder 9500 Series Foam Cell Shock Absorber.

Pedders has shock absorbers rated to match heavy duty springs for most applications. Pedders Suspension has a range of Gas Shocks that maintain superior comfort levels while providing that extra level of suspension control needed when Load Carrying.



## Pedders Suspension Heavy Duty Coils for Load Carrying & Towing

Pedders heavy duty replacement coil springs improve the load carrying ability while maintaining high levels of comfort and control. We offer a range of HEAVY DUTY replacement coils for the heavy loads and “raised” height coils for extra ground clearance, or to compensate for permanent extra loads such as LPG tanks, long range fuel tanks, extra spare wheel carriers, bull bars, winches and storage systems.

### For Example: Toyota Prado Fitted with Pedders Raised Height Heavy Duty Coils

Pedders Suspension has 6 different designs of coil springs to suit the 120 series Toyota Prado's that need extra ground clearance for towing and load carrying. With a boat, caravan or trailer attached to the towbar the rear of the car will squat noticeably. As an example the Pedders 7828 & 7829 heavy duty towing coils are specifically designed to enhance the vehicles load carrying characteristics. They are also particularly suitable for people who are often carrying loads by trailer or in the boot of the vehicle.



Please visit our product catalogue for further listings of heavy duty coils to suit other makes and models.

# Load Carrying & Towing with Leaf Springs

## Leaf Spring Packs

Pedders Suspension has a variety of replacement leaf spring packs for a wide range of 4WD & 2WD vehicles designed specifically for load carrying applications. Pedders replacement leaf spring packs are durable whilst providing improved vehicle control and stability due to the fact that they feature redesigned spring rates.

A number of these packs have a 2-stage design which provides a comfortable ride when unladen whilst maintaining extra height when a load is applied.

For heavy load carrying and towing, leaf springs remain the best performing suspension design, but can become harsh, noisier and less effective in absorbing bumps and vibrations. They are also prone to sagging and should be re-set or replaced when a change in ride height or ride quality is observed.

Pedders offer full replacement TrakRyder leaf spring packs that feature inter-leaf friction pads and metal eye sleeves to minimise binding or noise\*. They are constructed from only the highest grade steels for the most durable performance.



## Leaf Spring Resetting And Adding Extra Leaves

Although we have a large range of new applications there are still many cases that leaf springs require re-setting. Every Pedders store has the ability to do this for you in a relatively short period of time.

Simply contact your local Pedders Outlet for further information regarding Leaf Spring Resetting and Adding Extra Leaves.

\* Some exceptions apply

# Pedders Air Assist Adjustable Air Suspension

Pedders Air Assist air bag kits for coil and leaf sprung vehicles make light work of heavy loads. Common benefits of both types of kits include:

- Improves towing and load carrying capability
- Assist spring, shock & bush life
- Maintains superior comfort levels while providing that extra level of suspension control needed when towing
- Incorporates full adjustability
- Improves braking and reduces body roll
- Compensates for general instability associated with heavy loads

**NOTE:** Pedders Suspension recommend replacement springs be installed where springs are sagged more than 10mm. Fitting auxiliary air springs to compensate for majorly sagged coil or leaf springs will result in a harsh ride and poor handling.

**PEDDERS**  
**AIR ASSIST**  
ADJUSTABLE AIR SUSPENSION

## Coil Spring Air Assist

- Exceptional load assistance characteristics with up to 225kgs – 450kgs of extra weight bearing support per set\*



## Leaf Spring Air Assist

- Air Assist Bag fits on top of leaf spring to provide variable spring rate
- Exceptional load assistance characteristics with up to 2265kgs of extra weight bearing support per set\*
- Restrict bottoming out caused by heavy loads or rough terrain



\* Please refer to the vehicle manufacturers maximum load carrying rating.

## Load Carrying & Towing with Higher Rated Torsion Bars

A higher rated large diameter torsion bar is the only permanent solution to a drooping front end on vehicles with torsion bar front suspension. Adjusting OE torsion bars will temporarily restore ride height under the weight of accessories such as bull bars, winches and driving lights, however further adjustments are usually required which can lead to failure of the torsion bar. A torsion bar will usually break at the most inconvenient time and place. A Pedders higher-rated torsion bar optimizes road handling, vehicle stability and control, while maintaining suspension travel and wheel traction.

All torsion bars may look much the same, but because they perform exactly the same function as coil and leaf springs, they must also be rated to match the total suspension system and the weight of the vehicle. Like Pedders' coil springs, TrakRyder torsion bars are made from the highest quality alloy spring steel and are manufactured according to a strict production procedure.

They are fully heat treated for high durability, hardness and consistency. TrakRyder torsion bars are made to a larger diameter than most original bars, providing a stronger rate for greater control, stability and improved load carrying ability. Pedders' TrakRyder torsion bars are heavy-duty replacement units that provide a permanent upgrade for the front suspension.

Whether your vehicle is in standard form or has been fitted with a bull bar, winch, dual battery system or any other heavy accessory, TrakRyder torsion bars provide extra control, stability and traction for enhanced performance.



## Brakes

Pedders has teamed up with Bosch, DBA, PBR & Bendix to bring you one of Australia's most comprehensive range of brake parts made available to suit your load carrying & towing needs:

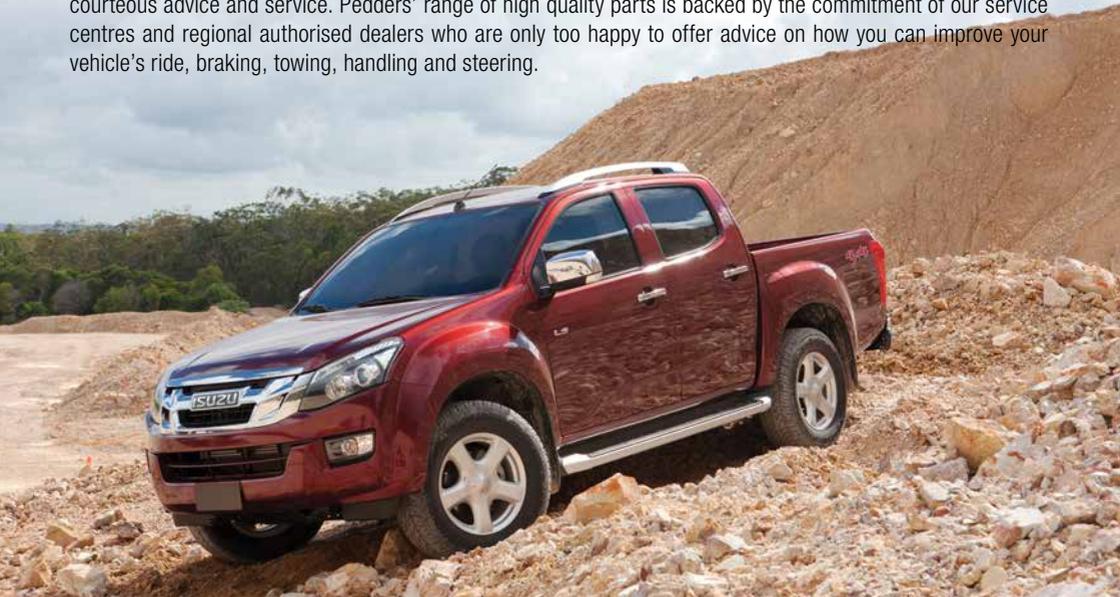
- Replacement, Performance & 4WD Rotors & Pads
- Brake Calipers, Master Cylinders & Wheel Cylinders
- Performance Upgrade Kits
- Load Proportioning Devices & Brake Boosters
- Fluids, Greases & Liquids
- Solid and Flexible Brake Lines
- Repair/Overhaul Kits



Pedders is Australia's Number 1 chain of franchised under-car specialist stores. We offer a comprehensive range of products and services for all suspension, braking, towing, load carrying and steering needs to suit passenger cars, four-wheel drives, light commercials and high performance vehicles.

Since 1950 Pedders has been designing, manufacturing, selling, fitting and servicing its world class products through its own network of warehousing, service and authorised dealer centres throughout the world.

Every Pedders store offers the most comprehensive specialist under-car diagnosis and repairs with unmatched courteous advice and service. Pedders' range of high quality parts is backed by the commitment of our service centres and regional authorised dealers who are only too happy to offer advice on how you can improve your vehicle's ride, braking, towing, handling and steering.



**NOTE:** In order to maximise the performance and handling of vehicles modified for load carrying or towing purposes, it is essential to perform a comprehensive wheel alignment while the vehicle is carrying a typical load.

## WARRANTY

Pedders Suspension provides a comprehensive two-year, 40,000km nation wide warranty on Pedders brand-name products designed for road use, including shock absorbers, struts, springs and steering gears.#



#Some exceptions apply. Please contact your local store for further information.

[www.pedders.com.au](http://www.pedders.com.au)