



PEDDERS

28 Point **SUSPENSION** SAFETY CHECK





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SAFETY CHECK

What's the first thing you notice when you drive a new car?

For most people it's the smooth ride and extra comfort, precise handling and the feeling of direct and responsive steering.

If the car you drive is over three or four years old, then it has probably lost most of its "as new" qualities. What causes this is normal wear and tear of the suspension components such as the shock absorbers and the bushes that connect all the moving parts.

In short, your car is aging and it needs a check up.

As the suspension wears out, tyres will begin to show signs of uneven wear on the edges. And a "loose" suspension will often result in your car wallowing and diving under brakes, while from the inside of the car there will be tell-tale rattles and vibrations.

PEDDERS 28 POINT SUSPENSION SAFETY CHECK POLICY:

Any component that in our opinion is likely to become unserviceable within 6 months or 10,000kms of the inspection based upon our experience of both the vehicle type and model, kilometres travelled and likely driving situation will be recommended for immediate replacement.

THERE ARE THREE PARTS TO OUR 28 POINT SAFETY INSPECTION:

1. A Complete Undercar Inspection

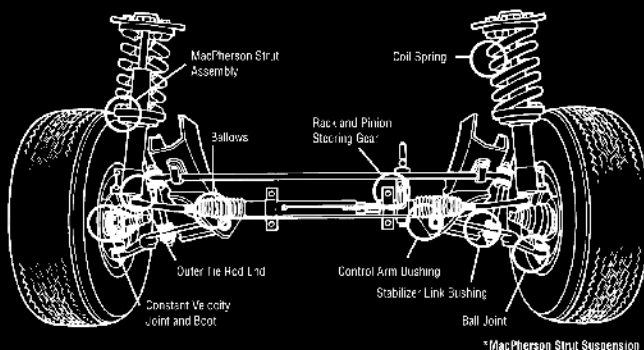
Our trained specialist technicians will systematically inspect your vehicle's entire steering and suspension system from front to rear. No less than 28 individual components will be checked for condition and safety.

2. A Drive-on Pedders Shock Absorber Test.

Your car will be driven on to the shock tester, a specialist piece of equipment which graphically records the condition of your car's shock absorbers.

3. Skilled Evaluation of the Inspection and Test Results

Pedders technicians are trained to know how to accurately evaluate the results of the shock test and full undercar inspection. Should your car require work to be carried out, we will outline the available Pedders products and the options open to you. This is an obligation-free inspection, so you can decide what suits you best.



EVERY TYRE TELLS A STORY

The front and rear tyres of your car tell a story. They provide a skilled technician with important basic information.

As various steering and suspension components become worn they contribute to particular tyre wear patterns. Knowing what causes these irregular tyre wear patterns ensures the real problem is tracked down.

Pedders' trained technicians have this vital knowledge. The ability to recognise faults contributing to poor handling and general safety is the basis of our business.

Depicted opposite are four tyres with irregular wear patterns. The most probable faults causing that type of wear are listed.

TYRE 1



TYRE 2



TYRE 3



TYRE 4



TYRE 1 Cupped Tyre Wear

Pattern

Scalloped-like, spotty, can also be visible around the inner or outer tyre edge.

Handling Problems

Shaking and vibration in steering wheel, also accompanied by light thumping and whining sounds.

TYRE 2 Feathered Sawtooth Tyre Wear

Pattern

Outside edge of each tread element is visibly worn while the inside edge is sharp and ragged.

Handling Problems

Shimmy in steering wheel with pulling, may also be accompanied by humming, whining and in more pronounced cases, squealing.

TYRE 3 Worn Edge Tyre Wear

Pattern

Outside tread of tyre is worn smooth, generally around entire circumference of the tyre.

Handling Problems

Vehicle pulls towards worn edge of tyre.

TYRE 4 Uneven Tyre Wear

Pattern

Combines wear patterns from all tyre wear groups

Handling Problems

Vehicle wanders and drifts, giving sensation of floating, may also be accompanied by squeaking and clunking sounds and in severe cases, grinding noises.

PEDDERS' "DRIVE-ON" SHOCK TESTER

The function of a vehicle's shock absorbers and the effect they have on handling, ride quality, but above all safety, is poorly understood.

It has been well documented that thousands of cars currently being driven on our roads have defective shock absorbers. It's not that so many drivers choose to ignore that their car has ineffective shocks; they just don't realise!

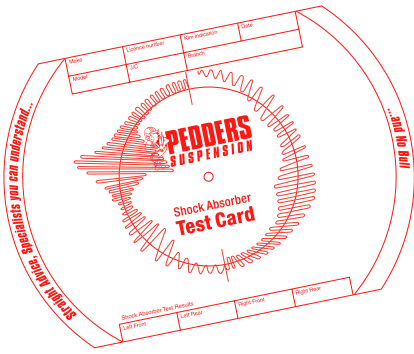
This gradual deterioration occurs over many thousands of kilometres and because faulty shocks won't prevent the car from starting or running, shock absorber condition is commonly overlooked.

That's why each Pedders branch is equipped with a shock absorber tester.

This specialist piece of equipment is able to quickly chart and record the performance of all four shock absorbers, simply by driving your vehicle onto the machine's oscillator pads.



How well your car passes this test will be determined by the difference between each shock's maximum figure value, obtained during the test and a known standard: A Pedders shock absorber unit.



By comparing the test result to a new Pedders shock absorber fitted to the same or similar vehicle, Pedders can provide you with a relevant and informed evaluation of the condition of your vehicle's shock absorbers.

Using a shock tester, all will be revealed in no time at all!

Remember, suspension and steering components including shock absorbers, struts and springs wear out gradually. That's the problem! You become used to the faults your car has developed over many thousands of kilometres. It's not until someone points out the problem or you drive another car of similar make and model in better condition that you become aware a potentially dangerous condition exists; or until it's too late.

By having a Pedders 28 point suspension and steering inspection performed on your car at least every 12 months, you will have safety, comfort and peace of mind.

