

## Vehicle Standards Instruction (Light Vehicle 16.0)

### REPLACEMENT OF HYDRAGAS SUSPENSION SYSTEM ON MG F MODEL VEHICLES WITH COIL SPRING CONVERSION.

December 2011

#### Intended audience

**Transport Inspectors:** Provide sufficient guidance to enable thorough and consistent inspection of affected MG F model vehicles fitted with coil spring conversion.

**Approved Inspection Station (AIS) examiners:** Provide sufficient guidance to enable thorough and consistent inspection of affected MG F model vehicles fitted with coil spring conversion.

**Approved Persons:** Provide sufficient guidance to provide advice to modifiers.

#### Applies to

All MG F model vehicles originally fitted with Hydragas suspension system.

#### Objective

To ensure that the coil spring replacement suspension is fitted correctly.

#### Background

MG F model vehicles were fitted with Hydragas suspension system from new. The Hydragas system uses a closed gas over oil system in pressurised canisters as a suspension spring, damper unit. With age, the Hydragas canisters are failing and replacement canisters are no longer manufactured.

#### Legislation

*Transport Operations (Road Use Management – Vehicle Standards and Safety) Regulation 2010 – s 5.*  
'Vehicles must comply with vehicle standards'.

Lists when a vehicle is not in a condition for use on a road.

#### Issue specifics

To prolong the life of the vehicles a coil spring replacement suspension system has been developed. The replacement suspension system mounts onto the vehicle using the standard mounting points with minor modifications that should not affect the safety of the vehicle. The only known coil spring replacement kit that the department is aware of at the issue of this VSI is manufactured by RV8 Cars Australia P/L.

#### Transport Inspector, AIS examiner or Approved Person's action

When inspecting an MG F model vehicle fitted with the coil spring replacement suspension system a Transport Inspector, AIS examiner or Approved Person must ensure that:

- the replacement coil spring suspension system is fitted in accordance with the manufacturer's fitting instruction supplied with the conversion kit
- all redundant components (pipes, etc) not used with the coil spring conversion kit should be removed
- the vehicle is safe to use on a road.

### **Further Information**

Any enquiries relative to this matter may be referred to the Vehicle Standards and Regulation Unit, Road System Management, Department of Transport and Main Roads via telephone on 3114 5844.