



## **KIA Cee'd Model years 2006 to 2012 All vehicles with variable valve timing**

### **Engine has no power**

If a customer complains about the above problem, this could be caused by a defective camshaft actuator. Also, various fault codes are stored in the engine control unit in conjunction with variable valve timing. Further, unsteady idling and poor throttle response may also be complained about. But before replacing the actuator, you should carry out the following tests:

1. Turn off the ignition.
2. Remove the plug from the actuator.
3. Measure the resistance between the two contact pins.  
At 20 °C, the following resistances should be measured.
  - Siemens actuator 6.8 – 8.0 Ohm
  - Denso actuator 6.9 – 7.9 Ohm
  - Delphi actuator 6.7 – 7.7 Ohm
4. If the readings are not OK, the actuator must be replaced. If the readings are OK, remove the camshaft actuator and check it for mechanical damage. In some circumstances, metal debris may deposit in the actuator, making adjustments no longer possible (see figure). In this case, blow out the actuator with compressed air, for example.

