

## CASE STUDY: MIL glowing while driving the vehicle (DTC P0115)

<b>MODEL:</b>	S Cross 1.6	<b>MILEAGE:</b>	129883	<b>SYSTEM:</b>	Engine
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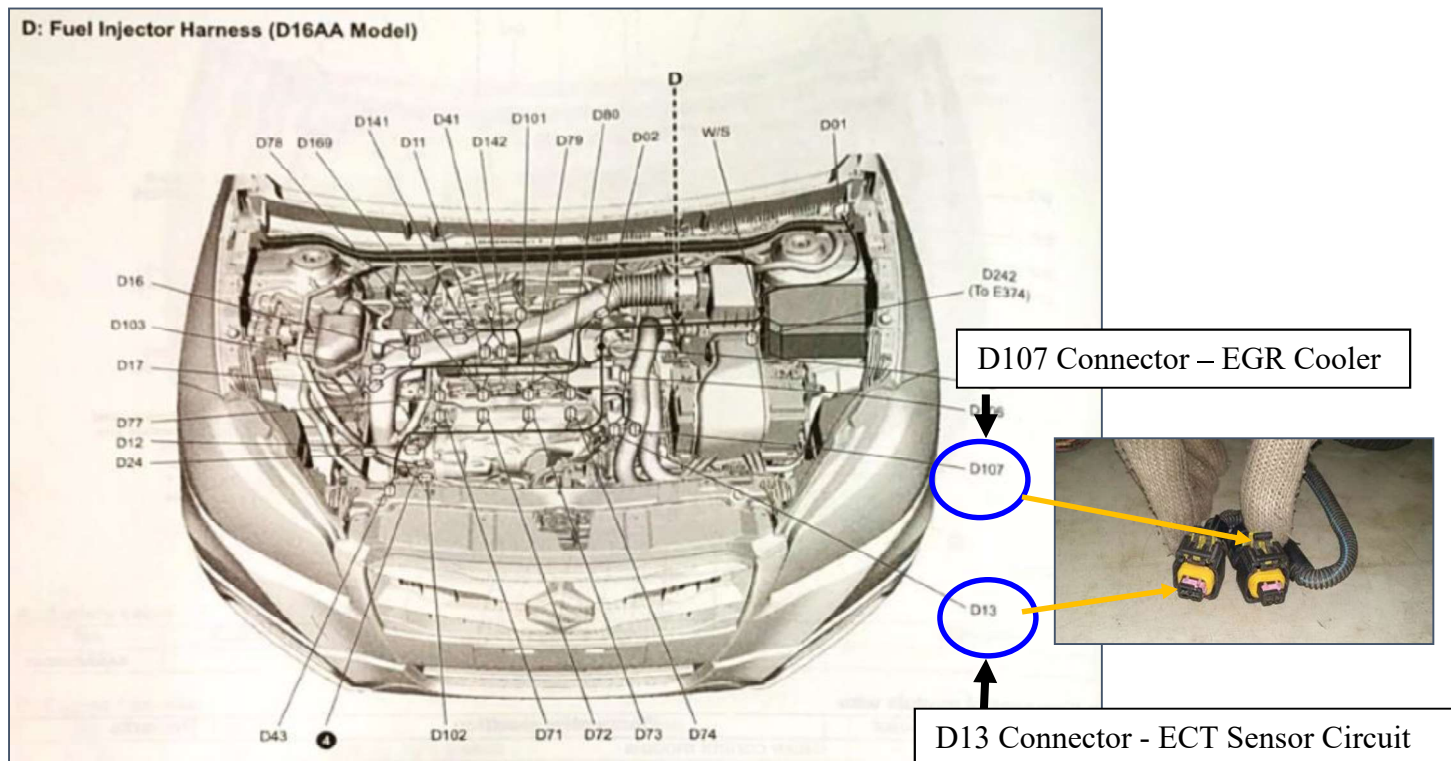
PROBLEM	ROOT CAUSE	ACTION FOR RESOLUTION
MIL Glowing while driving (DTC P0115 ).	Due to similar appearance, wiring connectors of ECT sensor and EGR Cooler got interchanged during fitment of fuel injector harness at workshop.	Correct wiring connections Re-stored and problem resolved.

### Observation:

- Vehicle visited workshop for Low pickup problem (DTC P2562). On investigation, the Fuel Injector harness was found tampered. The harness was replaced for resolution of the problem.
- After replacement of harness, during road test of vehicle, MIL was found glowing.
- It was observed that this time a new DTC P0015, (Engine Coolant Temperature Sensor 1 Circuit) was reflecting in current status.

### Investigation

- DTC P0015 (Engine Coolant Temperature Sensor 1 Circuit) was checked as per service manual.
- During inspection, it was observed that the connectors of ECT sensor and EGR Cooler circuit were interchanged during replacement of Fuel injector harness.
- Both these connectors were similar in size and appearance ( Refer photograph below)





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**Root Cause**

Due to similar appearance of connectors, the wiring connections of ECT sensor and EGR Cooler were incorrectly fitted during replacement of fuel injector harness at workshop. Due to this, the MIL was glowing during road test by workshop.

**Action Taken:**

Service manual was referred for checking the correct wire connections, connector's position was restored and vehicle was road tested for 30 Kms and problem was found to be resolved.

**Learning:**

If any wire connectors appear similar in size and appearance, service manual must be referred for correct wiring connections during assembly.