



This Service Information bulletin supersedes SI M12 01 12 **dated January 2012.**

NEW designates changes to this revision

SUBJECT

N18 Engine: FC 37DE Engine Ventilation, Heating, Triggering Stored in the DME After Programming

MODEL

R55 (Cooper Clubman) with N18 engine

R56 (Cooper) with N18 engine

R57 (Cooper Convertible) with N18 engine

R60 (Countryman) with N18 engine

SITUATION

The Service Engine Soon lamp is illuminated after reprogramming the vehicle to integration level R056-11-11-503 (ISTA/P P45.1.3.0) or higher. When diagnosed, the following fault code is stored in DME fault memory:

- 37DE Engine ventilation, heating, triggering: open circuit

CAUSE

Due to a DME software change, the diagnostic monitoring capability is improved for the engine ventilation heating system. However, a fault will be stored in the fault memory because the engine ventilation heater circuit has a malfunction currently present.

PROCEDURE

Verify the integrity of the circuit, using the attached document incorporating the wiring schematic and its component locations. The current version of ISTA/D does not incorporate any supporting documents for the engine ventilation heating circuit schematic.

NEW Troubleshooting hints:

- Verify that all connections in the system are properly connected.
- Verify that the crankcase ventilation heater relay (P/N 61 36 8 373 700) is installed in its proper location using the ISTA/D installation location.
- The total circuit resistance when operating properly is approximately 12.5-15.5Ω.

NEW WARRANTY INFORMATION

Not applicable.

ATTACHMENTS

View PDF attachment [M120112 N18 Schematic](#).

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