



SI M12 02 18
Engine Electrical Systems

January 2018
Technical Service

SERVICE ACTION: ENGINE HARNESS RE-ROUTING

Please perform the procedure outlined in this Service Information on all affected vehicles before customer delivery. In the event the customer has already taken delivery of the vehicle, please perform the procedure the next time the vehicle is in the shop.

MODEL

F56 (MINI Cooper S)

AFFECTED VEHICLES

This Service Action involves MINI Cooper S vehicles with B48 engines produced from January 1st, 2014 up to January 6th, 2014.

Vehicles which require this Service Action to be completed will show it as "Open" when checked either in AIR, the "Service Menu" of DCSnet (Dealer Communication System) or with the Key Reader.

SITUATION

Part of the engine wiring harness, specifically connection to the A/C compressor and to the thermostat, may contact blades of the electric fan.

In such a case, electric cables may be damaged causing Check Control messages to be displayed and certain faults stored in the DME and IHKA control modules.

CAUSE

Incorrect routing of the engine harness.

CORRECTION

Re-route and secure engine harness to the B+ line, following the attached procedure.

PARTS INFORMATION

Part Number	Description	Quantity
61 13 1 377 134	Wire tie	1

WARRANTY INFORMATION

Reimbursement for this Service Action will be via normal claim entry utilizing the following information:

Defect Code:	12660300	
Labor Operation:	Labor Allowance:	Description:
00 62 514	4 FRU	Re-route harness and secure with wire tie (Plus work)

ATTACHMENTS

View PDF attachment [M120218_EngineHarnessRerouting](#).

[Copyright ©2018 BMW of North America, Inc.]

Repair Procedure: Secure Engine Harness to B+ line (def code 0012660300)

Affected Vehicles:

F56 with B48 engine according to VIN selection

Remedy



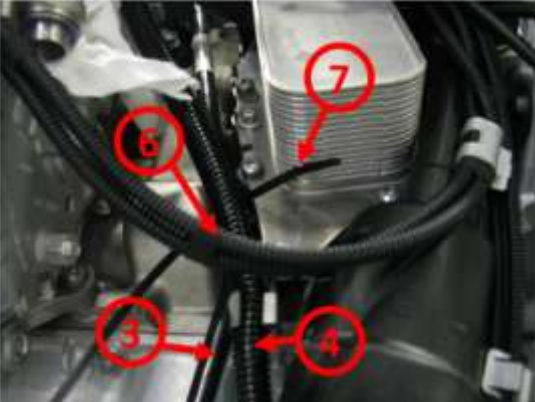
Secure engine harness to B+ line



Orientation on vehicle: Under hood.



Repair Option 1

1.	A close-up photograph of engine components. Red circles with numbers 1 through 5 are overlaid on the image, with red arrows pointing to specific parts: 1 points to a corrugated tube, 2 points to a venting tube, 3 points to a cable, 4 points to another cable, and 5 points to a cable tie position.	<p>Orientation on engine</p> <ol style="list-style-type: none">1. Starter cable in Corrugated tube (B+)2. Tank venting tube (TEV)3. Cable to MAP thermostat4. Cable to A/C compressor5. Position for Cable tie <p>Position of cable tie – height of oil cooler</p>
----	--	--

2.		<p>Remove under car cover.</p> <p>Red circle → area of repair</p>
3.		<p>Faulty wiring harness. Cable for A/C compressor and MAP thermostat reach into radiator fan area.</p> <ol style="list-style-type: none">1. Harness for Map thermostat and A/C compressor.2. Fan shroud3. Oil filter4. B+ cable for starter5. Tank vent line (TEV)
4.		<p>The cable tie should be installed as seen in the graphic.</p> <p>The harness for the MAP thermostat and A/C compressor is to be placed in front of the B+ line (4) and the tank vent line (3).</p> <p>The cable tie (7) should be placed behind the B+ line (4) and the tank vent line (3).</p> <p>The cable tie should be placed at the height of the oil cooler.</p>

5.		<p>When tightening the cable tie pull the harness (6) in direction of the arrow (A/C compressor) and make sure that there is enough space between the harness and the oil cooler.</p>
6.		<p>When closing the cable tie make sure that the harness does not reach into the radiator area. Cut the wire tie end off.</p>

6. Reassemble the vehicle.
7. Select the "complete" button next to the line operation 13M02 to release the vehicle from the repair.

Special None
Tools

Repair Option	Defect Code	Labor Operation	Flat Rates	Part Number, (qty), Description
1. Retrofit engine harness	00 12 66 03 00	00 62 514	4 FRU	Cable tie, 1 61 13 1 377 134