



Service Action: Retrofit of Engine Coolant Temperature Sensor

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.

This Service Information bulletin supersedes SI 17 02 13 dated May 2013.

MODEL

R55	R56	R57	R58
R60	All with the N18 engine		

AFFECTED VEHICLES

This Service Action involves R55, R56, R57, R58 and R60 MINI /Cooper S vehicles with N18 engines which were produced from 3/2012 to 6/2012.

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

Internal corrosion could form in the engine coolant temperature sensor. This corrosion leads to internal bridging of the contacts, which can cause an inaccurate engine temperature reading. This false reading could lead to difficulty in the engine starting and/or a "Service Engine Soon" lamp being illuminated.

CORRECTION

Replace the upper coolant hose with a modified hose that houses a new engine temperature sensor. An adapter harness needs to be fitted to the car to utilize this new sensor.

Only then:

If the hose with temperature sensor is no longer available from MINI USA, then replace thermostat as outlined below.

PROCEDURE

For coolant hose with sensor:

- Follow the attachment for the correct repair procedure.

If the coolant hose with temperature sensor is unavailable:

- Replace the thermostat and the adapter harness

* Certain parts stock of coolant hoses with the integrated temp sensor have been depleted.

* If the PN lookup shows none in stock, replace the thermostat with PN 11 53 7 647 751 and adapter harness 12 51 8 611 289.

PARTS INFORMATION

UPDATE! A. Replace coolant hose with the integrated temperature sensor (until these parts are no longer available MINI USA)

Part Number	Description	Quantity
17 12 9 813 275	Coolant hose (R60 Automatic)	1
17 12 9 813 276	Coolant hose (R60 Manual)	1
17 12 8 619 857	Coolant hose (R5x Manual)	1
17 12 8 619 858	Coolant hose (R5x Automatic)	1
12 51 7 647 200	Adapter cable	1
64 53 7 578 707	Spacer	1
61 13 1 367 599	Cable tie	1

Only then:

UPDATE! B. Replace the thermostat and adapter harness

Part Number	Description	Quantity
11 53 7 647 751	Thermostat	1
12 51 8 611 289	Adapter harness	1

UPDATE! WARRANTY INFORMATION

Reimbursement for performing this Service Action repair as noted below (either A or B as applicable) is via normal claim entry utilizing the following information;

Defect Code:	0011050300	
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A. Replace coolant hose with the integrated temperature sensor (until the applicable parts are no longer available from MINI USA)

Labor Operation:	Labor Allowance:	Description:

00 61 623	Refer to KSD2	Replace the coolant line (hose) and connect the adapter cable (Plus work)
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Only then:

B. Replace the thermostat and the adapter harness

Labor Operation:	Labor Allowance:	Description:
11 53 500	Refer to KSD2	Replacing and installing/replacing the coolant thermostat (Plus work)
Or:		
11 53 700	Refer to KSD2	Replacing and installing/replacing the coolant thermostat (Associate work – Coolant drained as part of performing another repair during the same repair visit)

And:

Bulk Materials (Items A and B)

Sublet Code 4	See sublet reimbursement calculation below	Reimbursement for replacing the drained quantity of antifreeze/coolant (bulk container reference P/N 82 14 0 031 133, one gallon container. Do not use this part number for claim submission).
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Sublet calculation: MINI antifreeze/coolant (bulk container reference P/N 82 14 0 031 133 only) - partial refill /used quantity (50/50 mixture) at dealer net plus your dealer's handling.

Enter this material cost in sublet and itemize the amount in the claim comment section.

ATTACHMENTS

View PDF attachment [Installing the Temperature Sensor](#).

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