



NUMBER: 18-031-11

GROUP: Vehicle Performance

DATE: June 16, 2011

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THIS SERVICE BULLETIN IS ALSO BEING RELEASED AS RAPID RESPONSE TRANSMITTAL (RRT) 11-054. ALL APPLICABLE 2010 LX AND LC SOLD AND UN-SOLD RRT VIN's HAVE BEEN LOADED. TO VERIFY THAT THIS RRT SERVICE ACTION IS APPLICABLE TO THE VEHICLE, USE VIP OR PERFORM A VIN SEARCH IN TECHCONNECT. FOR VEHICLES NOT INCLUDED IN THE RRT VIN LIST, APPLICATION OF THIS SERVICE BULLETIN TO SOLD UNITS IS BASED UPON THE CUSTOMER EXPERIENCING THE SYMPTOM/CONDITIONS. ALL REPAIRS ARE REIMBURSABLE WITHIN THE PROVISIONS OF WARRANTY.

SUBJECT:

MIL Illumination for P0128 - Thermostat Rationality

OVERVIEW:

This Bulletin involves installing a shim onto the thermostat for vehicles on the RRT VIN list that have not experienced the MIL Illumination. For vehicle that have experienced the MIL illumination it will be necessary to replace the thermostat housing. The new thermostat housing kits include the new shim.

There are two repair procedures. One for vehicles on the VIN list that have **not** experienced the MIL. The other repair procedure for vehicles on the VIN list or Customers that **have** experienced the MIL illumination.

MODELS:

2009 - 2010	(LC)	Challenger
2008 - 2010	(LE)	300/300 Touring (International Markets)
2008 - 2010	(LX)	300//Charger/Magnum
2008 - 2009	(L2)	300 (China)

NOTE: This bulletin applies to vehicles equipped with the 3.5L engine (Sales Code EGG).

SYMPTOM/CONDITION:

Some customers may complain of a MIL illumination. Upon further investigation the Technician may find that P0128 - Thermostat Rationality has been set.

This condition may be caused by the block retaining feature for the thermostat not holding the thermostat in place. This causes the thermostat to tip into the engine block opening allowing coolant to pass through without going through the thermostat. With the thermostat

out of position the system will set this DTC.

DIAGNOSIS:

Using a Scan Tool (wiTECH™) with the appropriate Diagnostic Procedures available in TechCONNECT, verify all engine and transmission systems are functioning as designed. If DTC's are present other than the one listed above record them on the repair order and repair as necessary before proceeding further with this bulletin.

If a customer's VIN is listed in VIP or your RRT VIN list, perform the repair. For all other customers that describe the symptom/condition or if the technician finds the DTC, perform the Repair Procedure.

PARTS REQUIRED:

Qty.	Part No.	Description
AR (1)	68148113AA	Housing, Thermostat Includes Shim
AR (1)	04893168AA	Shim

REPAIR PROCEDURE FOR VEHICLES THAT HAVE NOT SET THE MIL:

1. Remove the thermostat housing following the detailed repair procedures available in DealerCONNECT/TechCONNECT group 7 - Cooling > Engine > Thermostat removal procedure.
2. Install shim over the thermostat ([Fig. 1](#)).

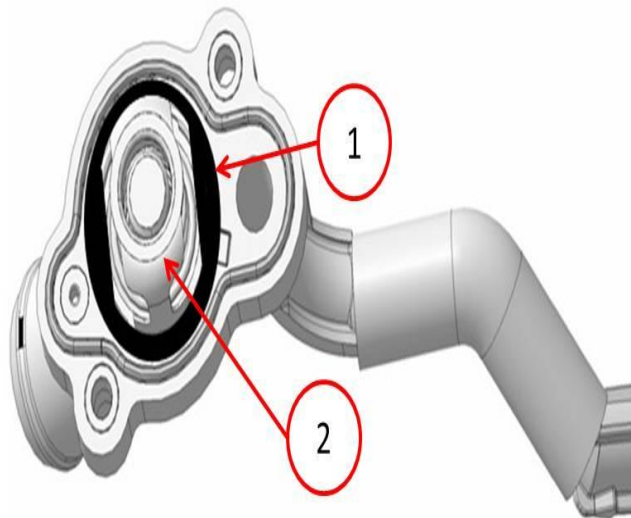


Fig. 1 Shim

1 - Shim

2 - Thermostat

NOTE: Shim when installed may be a tight fit over the thermostat.

- 3. Install the thermostat housing following the detailed repair procedures available in DealerCONNECT/TechCONNECT group 7 - Cooling > Engine > Thermostat installation procedure.
- 4. Fill cooling system. Following the detailed procedures found in DealerCONNECT>TechCONNECT > 07 Cooling > Standard Procedure - Adding Additional Coolant.

REPAIR PROCEDURE FOR VEHICLES THAT HAVE SET THE MIL:

- 1. Replace the thermostat housing following the detailed repair procedures available in DealerCONNECT/TechCONNECT group 7 - Cooling > Engine > Thermostat removal and installation procedures.
- 2. Install shim following the instructions included with the part (Fig. 1).

NOTE: Shim when installed may be a tight fit over the thermostat.

- 3. Fill cooling system. Following the detailed procedures found in DealerCONNECT>TechCONNECT > 07 Cooling > Standard Procedure - Adding Additional Coolant.

POLICY:

Reimbursable within the provisions of the warranty.

TIME ALLOWANCE:

Labor Operation No:	Description	Amount
07-40-05-92	Housing, Thermostat Install - (C)	0.7 Hrs.
07-40-05-93	Shim, Install - (C)	0.7 Hrs.

FAILURE CODE:

ZZ	Service Action
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