 HYUNDAI NEW THINKING. NEW POSSIBILITIES.	GROUP CAMPAIGN	NUMBER 16-01-034-2
	DATE AUGUST 2016	MODEL ELANTRA (AD/ADa)
Technical Service Bulletin		
SUBJECT:	ENGINE THERMOSTAT REPLACEMENT P0128 (SERVICE CAMPAIGN TLL)	

This TSB supersedes TSB 16-01-034-1 to add Dealer Stock vehicles.

***** Dealer Stock and Retail Vehicles *****

Dealers must perform this Service Campaign on all affected vehicles prior to customer retail delivery and whenever an affected vehicle is in the shop for any maintenance or repair.

When a vehicle arrives at the Service Department, access Hyundai Motor America's "Warranty Vehicle Information" screen via WEBDCS to identify open Campaigns.

Description: This bulletin provides a procedure for replacing the thermostat on certain 2017 Elantra vehicles. The thermostat may function improperly and may result in Diagnostic Trouble Code P0128. Replacement of thermostat is required even without a P0128 code.


No drivability issues are associated with this condition.

DTC List:

DTC	DESCRIPTION
P0128	Coolant Thermostat (Coolant temperature below thermostat regulating temperature)

APPLICABLE VEHICLES:	Certain 2017 Elantra (AD, ADa) with 2.0L Gasoline (Nu) MPI engine
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Parts Information:

MODEL	PART NUMBER	DESCRIPTION	PHOTO
Elantra (AD/ADa)	25500-2E085-QQH	Thermostat	

Warranty Information:

MODEL	OP CODE	OPERATION	OP TIME
Elantra (AD/ADa)	60C042R1	Thermostat Replacement	0.9

NOTE: Submit claim on Campaign Claim Entry Screen

Service Procedure:

1. Open the hood and loosen the radiator cap.

**CAUTION**

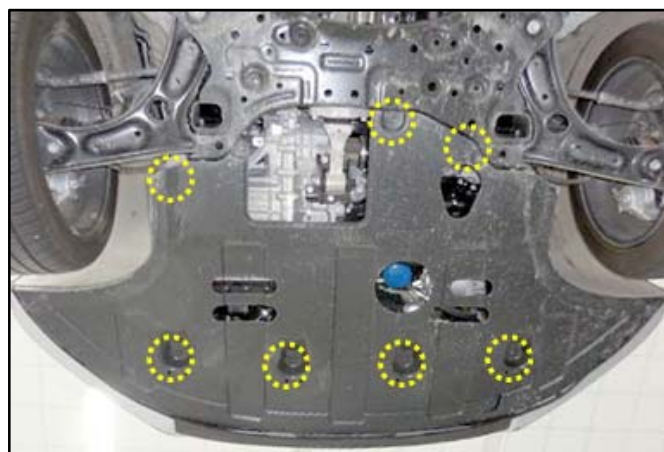
DO NOT open the cap when the engine is hot.



2. Lift the vehicle on a hoist.

Use a 10mm socket and ratchet to remove 7 bolts as shown.

Use a trim tab or similar tool to remove 12 plastic fittings and remove the undercover.



3. Place a **clean container** under the radiator.

Use pliers to loosen the plastic drain plug for the radiator and drain approximately 1/2 gallon of coolant.

Tighten the plug.

NOTICE

The drained coolant will be re-used during the repair.



4. Lower the vehicle.

Place the same coolant container under the engine.

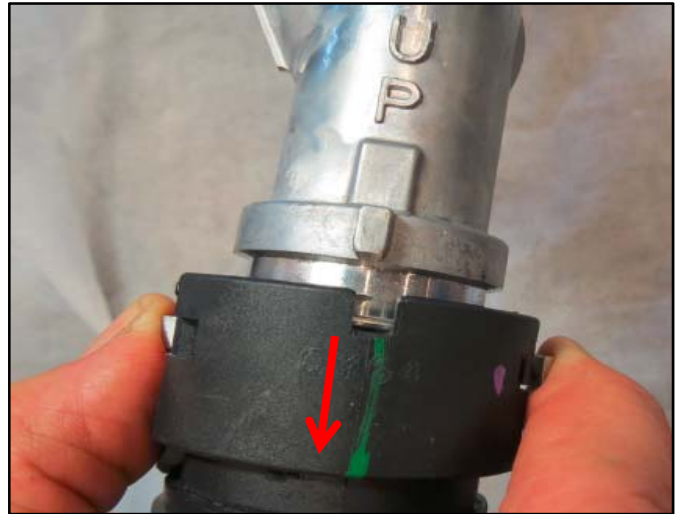
5. Locate the lower radiator hose with integral quick disconnect under the alternator.

For vehicles with a white retainer:

Insert a 90° pick or similar tool under the silver tab. Gently rotate the pick clockwise and lift the silver tab up. Pull the white retainer out of the tab.



6. Press the tabs on the left and right sides of the quick disconnect and pull the radiator hose from the thermostat.



7. Press the tab on the bottom side of the coolant temperature sensor connector and disconnect the connector.

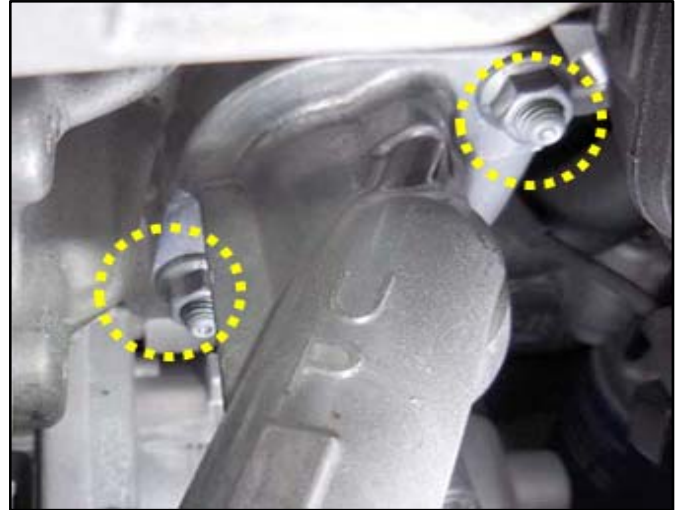


8. Use a 12mm socket and ratchet to remove the nuts for the thermostat and remove the thermostat.

Install the new thermostat and tighten the nuts to the specified torque.

Tightening torque:

15~18 lb-ft (2.0~2.5 kgf.m, 2.0~24 Nm)

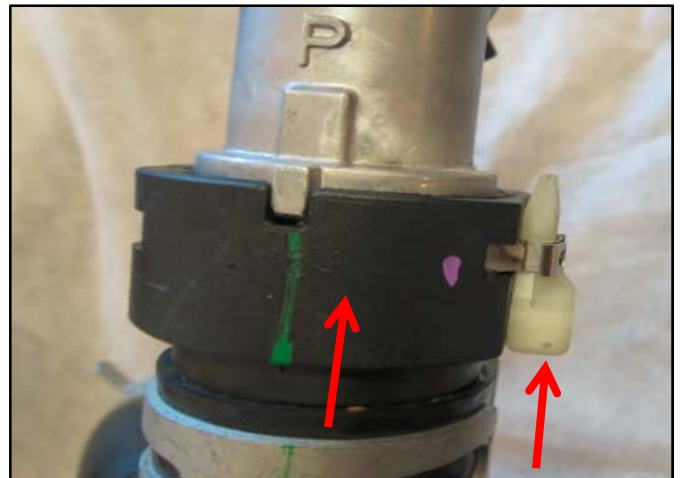


9. Reconnect the coolant temperature sensor connector.



10. Reinstall the radiator hose to the thermostat. Push firmly until a click is heard from the quick disconnect.

Insert the white retainer into the tab.

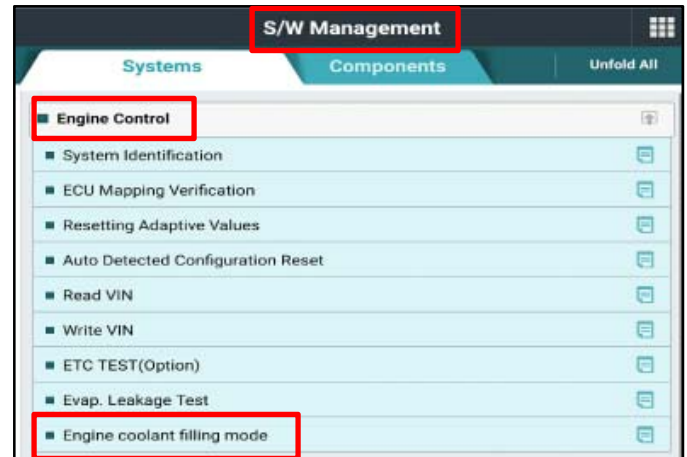


11. Fill the radiator with the drained coolant. Ensure the coolant is clean and free of debris.
12. Install the radiator cap and start the engine.

13. Attach a GDS.

From the GDS home page, Select VIN, **Software Management, Engine Control** and **Engine coolant filling mode**. Follow the prompts on the GDS to bleed air from the cooling system.

Confirm the radiator and coolant overflow reservoir have the correct level.



14. Clean any coolant residue under the engine.

Check for leaks from the thermostat.

Reinstall the undercover.

Tightening torque:

3~4 lb-ft, 0.4~0.6 kgf.m, 4~6 N.m



15. Check for Diagnostic Trouble Codes and erase any DTC.

Erase the DTC in the BlueLink system according to TSB 12-BE-005-2.

Drive the vehicle to confirm proper engine coolant temperature operation.