



DTC (Code) SPN 110 FMI 0 // P0217-00 Codigo:	Bulletin: RD18-002 Date Fecha: May 11, 2018
Description: See below for fault code description(s)	
Application: US10 – US20 Emissions	

General Information

These repair instructions are intended to address the following faults:

DTC	Description	Possible Cause	Possible (Observable) Symptoms
SPN 110 FMI 0 // P0217-00	Engine Coolant Over Temperature Condition	<ul style="list-style-type: none"> • Extreme driving conditions • Coolant thermostat • Engine cooling fan • Radiator • Engine Cooling System • Coolant pump • Cylinder Head • Oil cooler 	High derate with potential engine shutdown

Required Parts

Part Number	Description	Quantity
21613426	Thermostat	1

Repair Instructions

Thermostat, Replacement

Removal

1. Use the coolant extractor to remove the coolant from the engine. An alternate method is to drain the coolant into a suitable container using the drain hose. Note: Coolant is toxic; risk of poisoning. Do not drink coolant. Use proper hand protection when handling. Keep coolant out of reach of children and animals. Failure to follow these precautions can cause serious illness or death. Special tools: 85112740, 9996049
2. Loosen the clamp and remove the upper radiator hose from the radiator and suction out any remaining coolant.
3. Loosen the clamp and remove the upper radiator hose from the thermostat housing.

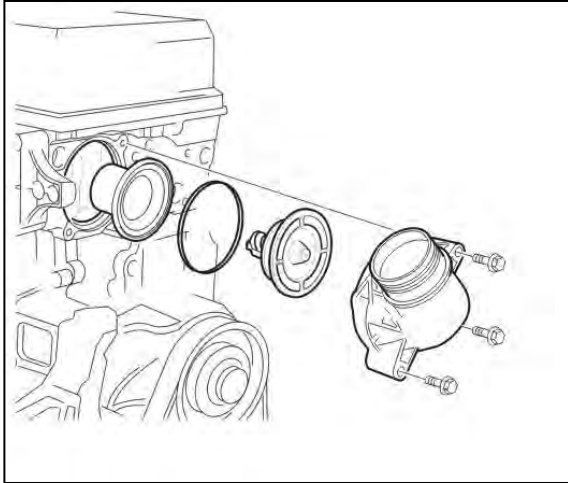
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4. Remove the bolts, the thermostat housing and the thermostat. Carefully clean the thermostat seat and all cylinder head-to-thermostat housing mating surfaces. Note: The position of the thermostat depends if the vehicle has retarder or not.



Installation

1. Install the new thermostat. Note: Make sure that the rubber seal remains properly seated.
2. Position the thermostat housing to the cylinder head, install the bolts and torque-tighten to 24 ± 4 Nm (18 ± 3 ft-lb). Specifications: 24 ± 4 Nm (18 ± 3 ft-lb)
3. Install the upper radiator hose to the thermostat housing and to the radiator. Position the clamps and tighten to secure.
4. Using the coolant extractor, fill the cooling system with the recommended coolant. Special tools: 85112740
5. Start the engine, check for leaks and proper operation. After shutdown, replenish fluids as necessary.

Additional Resources

These repairs are the most likely fix for the identified fault(s), if this does not fix the issue, Tech Tool will need to be used for more detailed diagnostics. If filing a warranty claim, please include the ASIST case number.

Labor Code	
2627-03-02-02	1.6
Causal Part	21613426