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SERVICE PROCEDURE

Date: 8/13/2014

Alert: SP2015-15

Water Flow Sensor

Water Flow Sensor Test Conditions – Engine must be running over 750 RPM

The water flow sensor produces an output voltage from about 0.5 volts to 5.0 volts. The ECM calculates a water flow in GPM based on engine speed and load. This sets a “normal” flow curve and the diagnostics for the sensor are set to 25% of the normal. For example, at 2000 rpm the flow should be about 16 GPM. If the measured sensor value indicates less than 4 GPM for 60 seconds, a code will set and the dashboard display will be activated. If the condition is corrected, the display will be deactivated without a key cycle or warm up cycle.

Water Flow Data Trouble Code SPN 110 FMI 1 Water Flow Fault

Water Flow Sensor P/N 597004

The water flow sensor is in the raw water input line after the transmission oil cooler and the engine oil cooler. If the water flow trouble code is set, check for debris in the transmission and oil coolers and in the water flow sensor.

