

C0551 The EBCM receives the vehicle power train options information

Circuit Description

When the electronic brake control module (EBCM) is replaced, software and calibrations are flash programmed into the EBCM. The EBCM receives the vehicle power train options information from the PCM in order for the EBCM to automatically calibrate to the vehicle.

Conditions for Running the DTC

- The ignition is ON.
- Ignition voltage is greater than 8 volts.

Conditions for Setting the DTC

One or more of the following conditions are present:

- The incorrect EBCM is installed on the vehicle.
- The incorrect software or calibrations have been flash programmed into the EBCM.

Action Taken When the DTC Sets

If equipped, the following actions occur:

- The EDC/TCS are disabled.
- The TCS indicator turns ON.

The DIC displays the Service Traction System message.

Conditions for Clearing the DTC

- The condition for the DTC is no longer present and the DTC is cleared with a scan tool.
- The electronic brake control module (EBCM) automatically clears the history DTC when a current DTC is not detected in 100 consecutive drive cycles.

Diagnostic Aids

If the DTC was set after EBCM replacement, verify that the replacement EBCM and software are correct for the vehicle.

Step	Action	Yes	No
Schematic Reference: ABS Schematics			
1	Did you perform the Diagnostic System Check – ABS?	Go to Step 2	Go to Diagnostic System Check -ABS
2	Is the EBCM the correct module for the vehicle?	Go to Step 4	Go to Step 3
3	Replace the EBCM. Refer to Electronic Brake Control Module (EBCM) Replacement Did you complete the repair?	Go to Step 5	Go to Step 4
4	Reprogram the EBCM. Refer to Service Programming System (SPS) in Programming. Did you complete the repair?	Go to Step 5	—
5	1. Use the scan tool in order to clear the DTCs. 2. Turn ON the ignition. Does the DTC reset?	Go to Step 2	System OK