

# A L L Diagnostic Trouble Codes ( DTC ): C Code Charts

## C0090

DTC C0060-C0095

Step	Action	Yes	No
<b>Schematic Reference: ABS Schematics</b>			
1	Did you perform the Diagnostic System Check?	Go to Step 2	Go to <i>Diagnostic System Check - ABS</i>
2	<ol style="list-style-type: none"><li>Using a scan tool clear the DTC.</li><li>Remove the scan tool from the DLC.</li><li>Carefully drive the vehicle above 12 km/h (8 mph) for several minutes.</li><li>Turn the ignition switch to the OFF position.</li><li>Install a scan tool.</li><li>Turn the ignition switch to the ON position, engine off.</li><li>Using the scan tool in Diagnostic Trouble Codes, check for DTCs.</li></ol> Did any one of the DTCs C0060-C0095 reset as a current DTC?	Go to Step 3	Go to <i>Testing for Intermittent and Poor Connections</i>
3	Replace the EBCM. Is the repair complete?	Go to Step 4	—
4	<ol style="list-style-type: none"><li>Use the scan tool in order to clear the DTCs.</li><li>Operate the vehicle within the Conditions for Running the DTC as specification in the supporting text.</li></ol> Does the DTC reset?	Go to Step 2	System OK

### Circuit Description

The inlet and outlet valve solenoid circuits are supplied with battery power when the ignition is in the ON position. The EBCM controls the valve functions by grounding the circuit when necessary.

### Conditions for Running the DTC

- ^ The DTC can set anytime the ignition switch is in the ON position.
- ^ The DTC can set when the vehicle speed is greater than **6 km/h (4 mph)** and the brake pedal is not applied.
- ^ The DTC can set when the vehicle speed is greater than **15 km/h (9 mph)** and the brake pedal is applied.

### Conditions for Setting the DTC

The DTC will set when the EBCM detects one of the following internal to the EBCM only:

- ^ An open in the solenoid coil or circuit.
- ^ A short to ground in the solenoid coil or circuit.
- ^ A short to voltage in the solenoid coil or circuit.

### Action Taken When the DTC Sets

If equipped, the following actions occur:

- ^ A malfunction DTC is stored.
- ^ ABS/TCS is disabled.
- ^ The ABS/TCS indicators are turned on.

### Conditions for Clearing the DTC

- ^ The condition for the DTC is no longer present and you used the scan tool Clear DTC function.
- ^ The EBCM automatically clears the history DTC when a current DTC is not detected in 100 consecutive drive cycles.

### Diagnostic Aids

The solenoid valve circuit and the solenoid coil are internal to the EBCM. No part of the solenoid circuit is diagnosable external to the EBCM. The DTC sets when there is a malfunction in the solenoid circuit internal to the EBCM only.

### Test Description

The numbers below refer to step numbers on the Diagnostic Table.

- This step determines if the DTC is current.