

# **C0242 A serial data message is sent to the EBCM indicating that traction control is not allowed**

## **Circuit Description**

The electronic brake control module (EBCM) and the power train control module (PCM) simultaneously control the traction control. The EBCM sends a serial data message to the PCM requesting torque reduction. When certain PCM DTCs are set, the PCM will not be able to perform the torque reduction for traction control. A serial data message is sent to the EBCM indicating that traction control is not allowed.

## **Conditions for Running the DTC**

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

## **Conditions for Setting the DTC**

The PCM diagnoses a condition preventing the engine control portion of the traction control function and sends a serial data message to the EBCM indicating that torque reduction is not allowed. The PCM will typically set a DTC and the EBCM will set this DTC.

## **Action Taken When the DTC Sets**

If equipped, the following actions occur:

- The EBCM disables the TCS/VSES for the duration of the ignition cycle.
- The Traction Control and Active Handling indicator turns ON.
- The DIC displays the following messages:
  - Service Traction System
  - Service Active Handling
  - The ABS remains functional.

## **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

This DTC is for information only. As an aid to the technician, this DTC indicates that there are no problems in the ABS/TCS system.

Step	Action	Yes	No
<b>Schematic Reference: ABS Schematics on page 5-155</b>			
1	Did you perform the Diagnostic System Check – ABS?	—	Go to Diagnostic System Check -ABS

LAUNCH