

SECTION 206-06: Hydraulic Brake Actuation
DIAGNOSIS AND TESTING

2014 F-150 Workshop Manual
Procedure revision date: 10/25/2013

Inspection And Verification

Special Tool(s)

 ST2834-A	Vehicle Communication Module (VCM) and Integrated Diagnostic System (IDS) software with appropriate hardware, or equivalent scan tool
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Adjustable Pedals

1. Verify the customer concern.
2. Visually inspect for obvious signs of mechanical or electrical damage.

Visual Inspection Chart — Without Memory Feature

Mechanical	Electrical
• Adjustable accelerator pedal and motor with cable attached • Adjustable brake pedal and bracket • Foreign objects or material	• Wiring, terminals or connectors • Body Control Module (BCM) fuse(s): ■ 23 (15A) ■ 24 (15A) • Steering Column Control Module (SCCM) • Brake pedal control switch

Visual Inspection Chart — With Memory Feature

Mechanical	Electrical
• Adjustable accelerate pedal and motor with cable attached • Adjustable brake pedal and bracket • Foreign objects or material	• <u>BCM</u> fuse(s): ■ 23 (15A) ■ 24 (15A) • Memory SET switch • Remote Keyless Entry (RKE) transmitter • <u>SCCM</u> • Wiring, terminals or connectors • Brake pedal control switch

3. If an obvious cause for an observed or reported concern is found, correct the cause (if possible) before proceeding to the next step.

4. **NOTE:** Make sure to use the latest scan tool software release.

If the cause is not visually evident, connect the scan tool to the Data Link Connector (DLC).

5. **NOTE:** The Vehicle Communication Module (VCM) LED prove out confirms power and ground from the DLC are provided to the VCM.

If the scan tool does not communicate with the VCM :

- check the VCM connection to the vehicle.
- check the scan tool connection to the VCM.
- refer to [Section 418-00](#), No Power To The Scan Tool, to diagnose no power to the scan tool.

6. If the scan tool does not communicate with the vehicle:

- verify the ignition is ON.
- verify the scan tool operation with a known good vehicle.
- refer to [Section 418-00](#) to diagnose no response from the PCM.

7. Carry out the network test.

- If the scan tool responds with no communication for one or more modules, refer to [Section 418-00](#).
- If the network test passes, proceed with module self-test diagnostics.

8. Carry out the self-test diagnostics for the SCCM, BCM and Driver Seat Module (DSM).

9. If the DTCs retrieved are related to the concern, go to SCCM DTC Chart. For all other SCCM DTCs, refer to [Section 211-05](#). For DSM DTCs, refer to [Section 501-10](#). For BCM and all other DTCs, refer to [Section 419-10](#).

10. If no DTCs related to the concern are retrieved, GO to [Symptom Chart](#).
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