

Component Procedures: Braking Sensor/Switch

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Component Procedures: Braking Sensor/Switch

Parts and Labor (itype_189)

Labor

Operation	Qualifier Path	Skill	Std Hrs	Wty Hrs
Replace	Sensor, R&R	B	0.3	0.2

Brake Pedal Position Sensor Replacement (Article 10376)

Callout Component Name

1 Brake Pedal Position Sensor Bolt Caution: Refer to Fastener Caution . Procedure Remove the sensor bolt.

Tighten 9 Nm (80 lb in)

Procedure

Remove the sensor bolt.

9 Nm (80 lb in)

2 Brake Pedal Position Sensor Procedure Disconnect the electrical connector. Pull the sensor away from the bracket. Recalibrate the brake pedal position sensor. Refer to Brake Pedal Position Sensor Calibration .

- Disconnect the electrical connector.

- Pull the sensor away from the bracket.

- Recalibrate the brake pedal position sensor. Refer to Brake Pedal Position Sensor Calibration .

6L45/6L50/6L80/6L90 (MYB, MYC, MYD) - Automatic Transmission (Article 13711)

Non Standards

- Brake Pedal Position Sensor Learn (13712)

Brake Pedal Position Sensor Calibration (Article 10374)

Calibration Criteria

Brake pedal position sensor calibration must be performed after the brake pedal position sensor or body control module (BCM) have been serviced. The calibration procedure will set the brake pedal position sensor home value. This value is used by the BCM to determine the action of the driver applying the brake system and to provide this information to the vehicle subsystems via serial data.

Calibration Procedure

- Apply the parking brake .

- Place the transmission in the PARK position.

- Install a scan tool.

- Clear all BCM DTCs before proceeding.

- Navigate to the Module Diagnosis menu.

- Select BCM menu item.

- Select Configuration/Reset Functions menu item.

- Select the Brake Pedal Position Sensor Learn procedure and follow the directions displayed on the screen.

- Perform the Engine Control Module (ECM) brake pedal position sensor calibration.