



Technical Service Bulletin

SUBJECT:			No: TSB-12-35-003
STOP LIGHT SWITCH INSTALLATION AND ADJUSTMENT – SERVICE MANUAL REVISION			DATE: December, 2012
			MODEL: See below
CIRCULATE TO:	<input type="checkbox"/> GENERAL MANAGER	<input type="checkbox"/> PARTS MANAGER	<input type="checkbox"/> TECHNICIAN
<input type="checkbox"/> SERVICE ADVISOR	<input type="checkbox"/> SERVICE MANAGER	<input type="checkbox"/> WARRANTY PROCESSOR	<input type="checkbox"/> SALES MANAGER

TSB Revision: TSB-12-35-003

PURPOSE

This TSB clarifies the stop light switch installation and adjustment procedure in the affected service manuals.

AFFECTED VEHICLES

2007–2012 Outlander
 2008–2012 Lancer
 2008–2012 Lancer Evolution
 2009–2012 Lancer Sportback
 2011–2013 Outlander Sport

AFFECTED SERVICE MANUALS

2007–2012 Outlander Service Manual Group 35A: Basic Brake System > On–Vehicle Service > Brake Pedal Inspection

2011–2013 Outlander Sport Service Manual Group 35A: Basic Brake System> On–Vehicle Service > Brake Pedal Inspection

2008–2012 Lancer Evolution Service Manual Group 35A: Basic Brake System> On–Vehicle Service > Brake Pedal Inspection

2008–2010 Lancer Service Manual Group 35A: Basic Brake > On–Vehicle Service > Brake Pedal Check and Adjustment

2009–2010 Lancer Sportback Service Manual Group 35A: Basic Brake System> On–Vehicle Service > Brake Pedal Check and Adjustment

2011–2012 Lancer/Lancer Sportback Service Manual Group 35A: Basic Brake System> On–Vehicle Service > Brake Pedal Check and Adjustment

Continued

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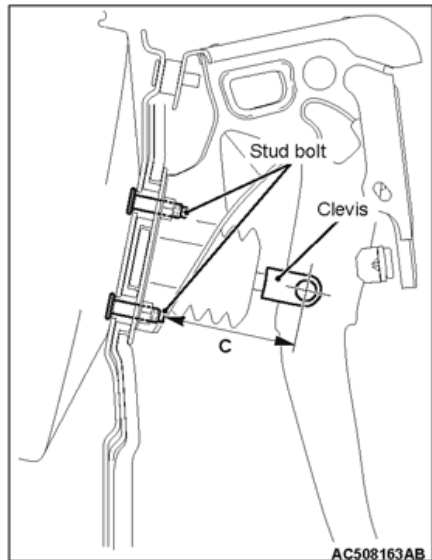
(3949)

The information contained in this bulletin is subject to change. For the latest version of this document, go to the Mitsubishi Dealer Link, MEDIC, or the Mitsubishi Service Information website (www.mitsubishitechinfo.com).

Apply the following changes to:

2007-2013 Outlander Service Manual Group 35A: Basic Brake System > On-Vehicle Service > Brake Pedal Inspection

2011-2013 Outlander Sport Service Manual Group 35A: Basic Brake System> On-Vehicle Service > Brake Pedal Inspection



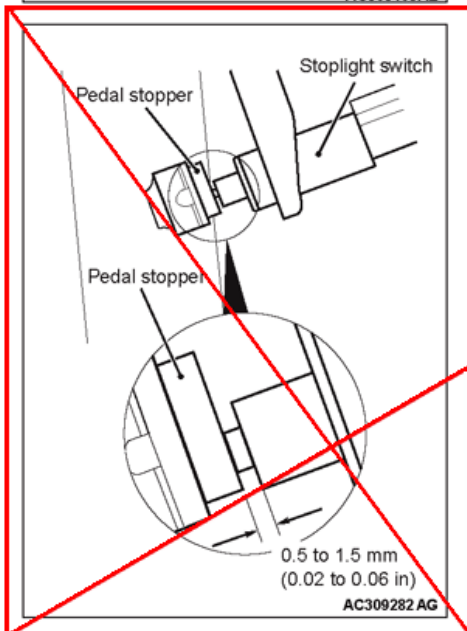
(4) Measure the brake pedal height again, and make sure that it is within the standard value (A + B).

When the measured value is not within the standard value, measure the dimension C in the figure (distance from the stud bolt end to the clevis hole center), and make sure it is within the standard value (C).

Standard value (C): 75.8 – 80.2 mm (2.98 – 3.16 inch)

(5) When the measured value is not within the standard value (C), replace the brake booster

<Incorrect>



7. After checking the brake pedal height, install the stoplight switch in the following procedure:

- (1) Screw in the stoplight switch until its thread contacts the pedal stopper, then turn the switch approximately one eighth of a clockwise turn to fix it. While doing this, pull and hold the brake pedal by hand.
- (2) Check that the clearance between the stoplight switch and the pedal stopper is as shown in the figure.

CAUTION

Make sure that the stoplight is not illuminated when the brake pedal is not depressed.

- (3) Connect the stoplight switch connector.

8. Check the key interlock mechanism and the shift lock mechanism (Refer to GROUP 23A – On-vehicle Service, Shift Lock Mechanism Check).

9. Recover the floor carpet under the brake pedal.

Replace with page 4

<Correct>

Apply the following changes to:

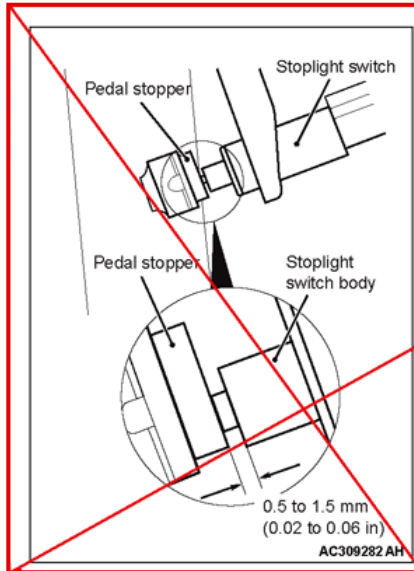
2008–2013 Lancer Evolution Service Manual Group 35A: Basic Brake System> On-Vehicle Service > Brake Pedal Inspection

2008–2010 Lancer Service Manual Group 35A: Basic Brake > On-Vehicle Service > Brake Pedal Check and Adjustment

2009–2010 Lancer Sportback Service Manual Group 35A: Basic Brake System> On-Vehicle Service > Brake Pedal Check and Adjustment

2011–2013 Lancer/Lancer Sportback Service Manual Group 35A: Basic Brake System>

<Incorrect>



7. After checking the brake pedal height, install the stoplight switch in the following procedure:
 - (1) Pull and hold the brake pedal by hand. Insert the stoplight switch until the stoplight switch body contacts the pedal stopper, then turn the switch approximately one eighth of a clockwise turn to fix it.
 - (2) Check that the clearance between the stoplight switch and the pedal stopper is as shown in the figure.

CAUTION

Make sure that the stoplight is not illuminated when the brake pedal is not depressed.

- (3) Connect the stoplight switch connector.
8. Check the key interlock mechanism and the shift lock mechanism (Refer to GROUP 22C – On-vehicle Service, Shift Lock Mechanism Check <TC-SST> or GROUP 23A – On-vehicle Service, Shift Lock Mechanism Check <CVT>).
9. Recover the floor carpet under the brake pedal.

Replace with page 4

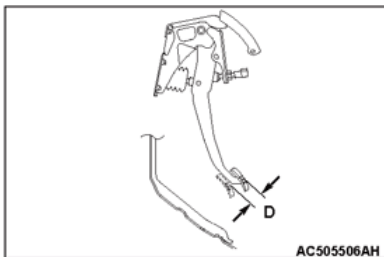
<Correct>

BRAKE PEDAL FREE PLAY CHECK AND ADJUSTMENT

1. With the engine stopped, depress the brake pedal 2 or 3 times to release the vacuum in the brake booster. Then, press the brake pedal with your finger and check if the pedal stroke until the pedal becomes heavy (play) is within the standard value.

Standard value (D): 3 – 8 mm (0.12 – 0.31 inch)

2. When the brake pedal free play is not within the standard value, check the brake pedal-to-clevis pin looseness, clevis pin-to-booster operating rod looseness, brake pedal height, and stoplight switch position, and adjust or replace as necessary.

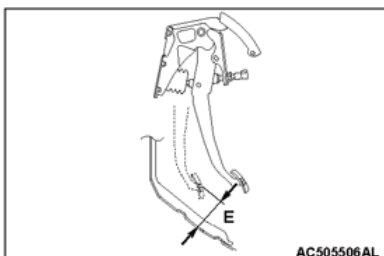


BRAKE PEDAL-TO-FLOOR PANEL CLEARANCE CHECK AND ADJUSTMENT

1. Turn up the floor carpet under the brake pedal.
2. Start the engine and depress the brake pedal with approximately 500 N, and measure clearance between the brake pedal and the floor panel.

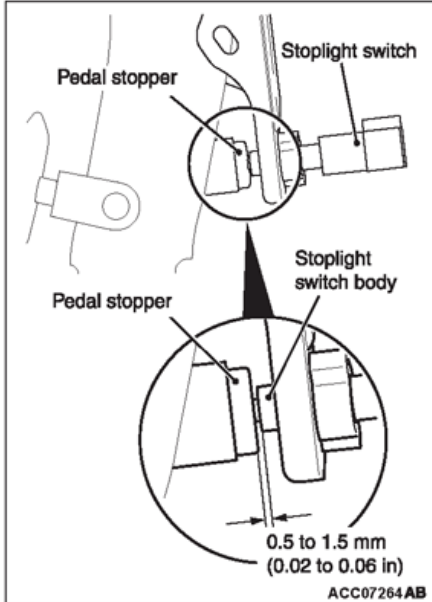
Standard value (E): 85 mm (3.35 inches) or more

3. When the clearance is not within the standard value, check for air in the brake line and thickness of the disc brake pad, and correct or replace as necessary.
4. Recover the floor carpet under the brake pedal.



Insert the following information where indicated on pages 2 and 3.

<Correct>



7. After checking the brake pedal height, install the stoplight switch in the following procedure:
- (1) Insert the stop lamp switch into the key hole on the plate.
 - (2) While holding the brake pedal upwards, push in the stop lamp switch to the stop position.
 - (3) Lock the stop lamp switch body by twisting it clockwise.
 - (4) Check that the clearance between the stoplight switch and the pedal stopper is as shown in the figure.

CAUTION

Make sure that the stoplight is not illuminated when the brake pedal is not depressed.

- (5) Connect the stoplight switch connector.