OPERATIONS INSIDE THE VEHICLE

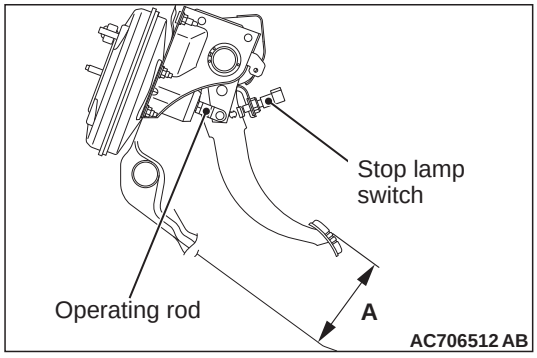
CHECK BRAKE PEDAL FOR FREE PLAY

⚠ CAUTION

Do not apply grease or lubricant to the switch and the switch installation section to avoid malfunction of the switch. In addition, do not use gloves which have grease on them.

BRAKE PEDAL HEIGHT CHECK AND ADJUSTMENT

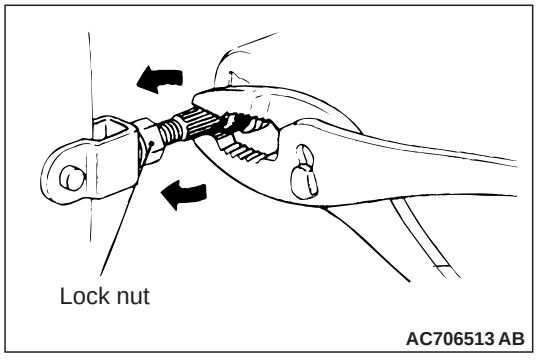
1. Turn up the floor carpet under the brake pedal.



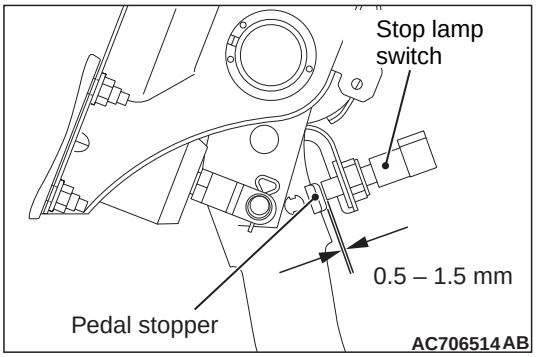
2. Measure the brake pedal height.

   Standard value (A):
   157.4 to 163.4 mm <LHD>
   143.4 to 146.4 mm <RHD>

3. When the brake pedal height is not within the standard value, adjust the brake pedal in the following procedure.
   (1) Disconnect the stop lamp switch connector.
   (2) Loosen the stop lamp switch by turning it anti-clockwise by approximately 1/4 turn.



   (3) Loosen the lock nut of operating rod, then turn the serrated section of operating rod using the pliers to adjust the brake pedal height to the standard value.



   (4) Press in the stop lamp switch until the thread section of stop lamp switch comes in contact with the pedal stopper. Then, secure the stop lamp switch by turning it clockwise by approximately 1/4 turn. While doing this, pull and hold the brake pedal by hand.
   (5) Check that the clearance between the stop lamp switch and the pedal stopper is as shown in the figure.

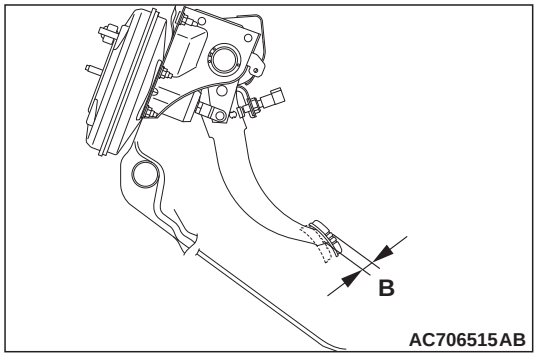
⚠ CAUTION

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

   (6) Connect the stop lamp switch connector.
4. Perform the key interlock mechanism check and the shift lock mechanism check.
5. Recover the floor carpet under the brake pedal.
6. After adjusting the brake pedal height, initialise the brake pedal stroke sensor installed to the brake pedal assembly by performing the EV-ECU data list (item No. 178: B/P stroke S initial learning complete flag) using M.U.T.-III.

   NOTE: The brake stroke sensor learned value can be reset even after the auxiliary battery (–) terminal has been disconnected for 10 seconds or longer.

BRAKE PEDAL PLAY CHECK AND ADJUSTMENT



1. Set the electric motor switch to the LOCK (OFF) position, and depress the brake pedal two to three times to relief the brake booster vacuum pressure. Then, press the brake pedal with your fingers to check that the pedal stroke until the pedal effort becomes heavy (play) is within the standard value.

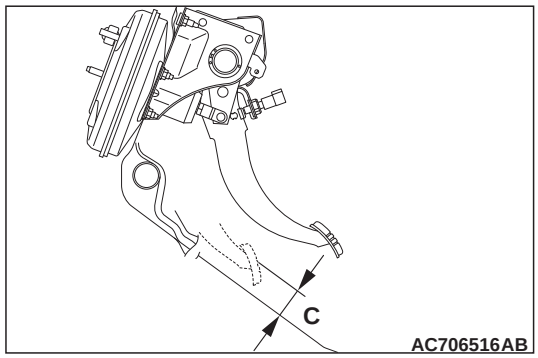
   Standard value (B): 3 to 8 mm

2. When the brake pedal 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 stop lamp switch position, and adjust or replace as necessary.
3. After adjusting the brake pedal play, initialise the brake pedal stroke sensor installed to the brake pedal assembly by performing the EV-ECU data list (item No. 178: B/P stroke S initial learning complete flag) using M.U.T.-III.

   NOTE: The brake stroke sensor learned value can be reset even after the auxiliary battery (–) terminal has been disconnected for 10 seconds or longer.

BRAKE PEDAL-TO-FLOOR CLEARANCE CHECK AND ADJUSTMENT

1. Turn up the floor carpet under the brake pedal.



2. Set the electric motor switch to the ON position, then depress the brake pedal with approximately 500 N, and measure the clearance between the brake pedal and the floor.

   Standard value (C):
   65 mm or more <LHD>
   60 mm or more <RHD>

3. If the clearance between the brake pedal and floorboard exceeds the standard value, check the brake lines for air lock, the thickness of the disc brake pad and the brake drum lining and brake dragging. If necessary, adjust the system or replace component(s).
4. Recover the floor carpet under the brake pedal.

CHECK PARKING BRAKE LEVER STROKE AND PLAY

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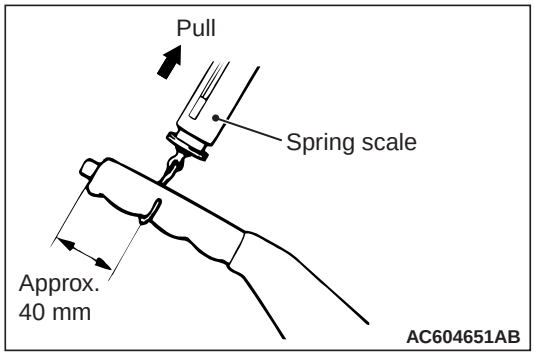
STROKE CHECK



Attach the spring scale to the centre of the parking brake lever grip. Then, check that the stroke is within the standard value when the parking brake lever is pulled to the vertical direction of the lever with a force of approximately 200 N.

Standard value: 6 to 7 notches