

## 4. Parking Brake Actuator

### A: REMOVAL

**CAUTION:**

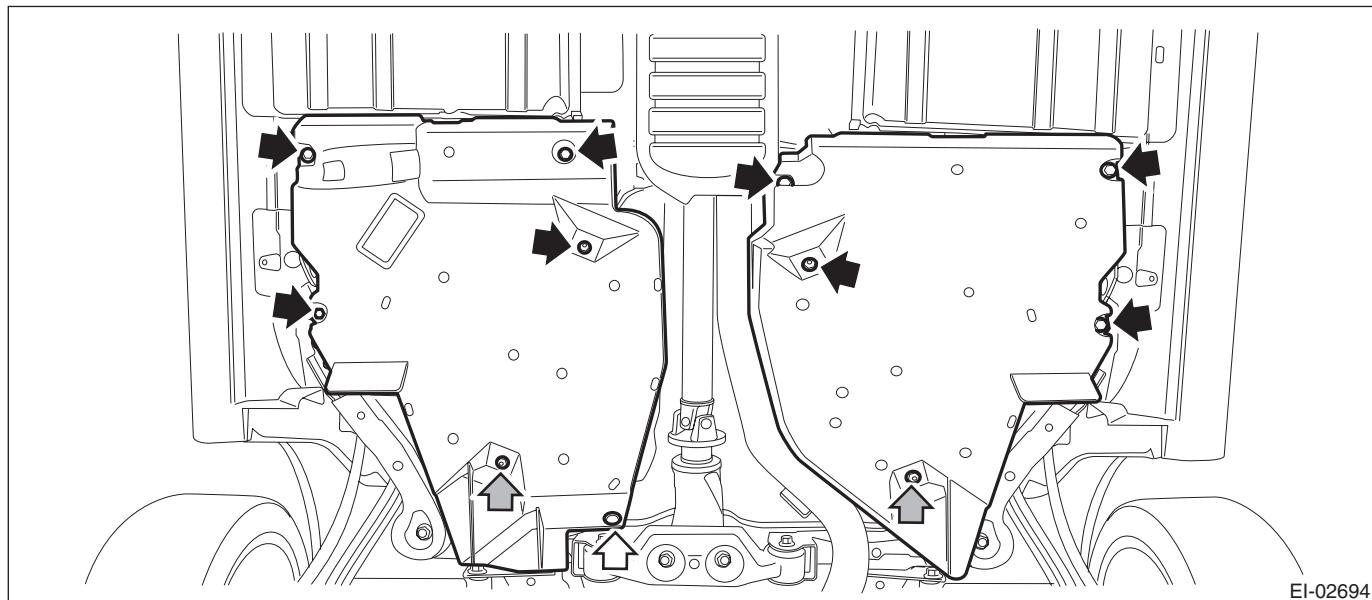
Since the parking brake actuator and parking brake cable are integrated as a unit, do not disassemble them.

- 1) Lift up the vehicle, and then remove the rear wheels.
- 2) Perform "Parking Brake Removal Mode" after connecting the Subaru Select Monitor. <Ref. to PB(diag)-17, PARKING BRAKE REMOVAL MODE, OPERATION, Subaru Select Monitor.>

**CAUTION:**

Be sure to lift up the vehicle before performing the "Parking Brake Removal Mode".

- 3) Disconnect the ground cable from battery.
- 4) Remove the fuel tank protector.
  - (1) Remove the bolt and nuts and remove the fuel tank protector.
  - (2) Remove the clips.

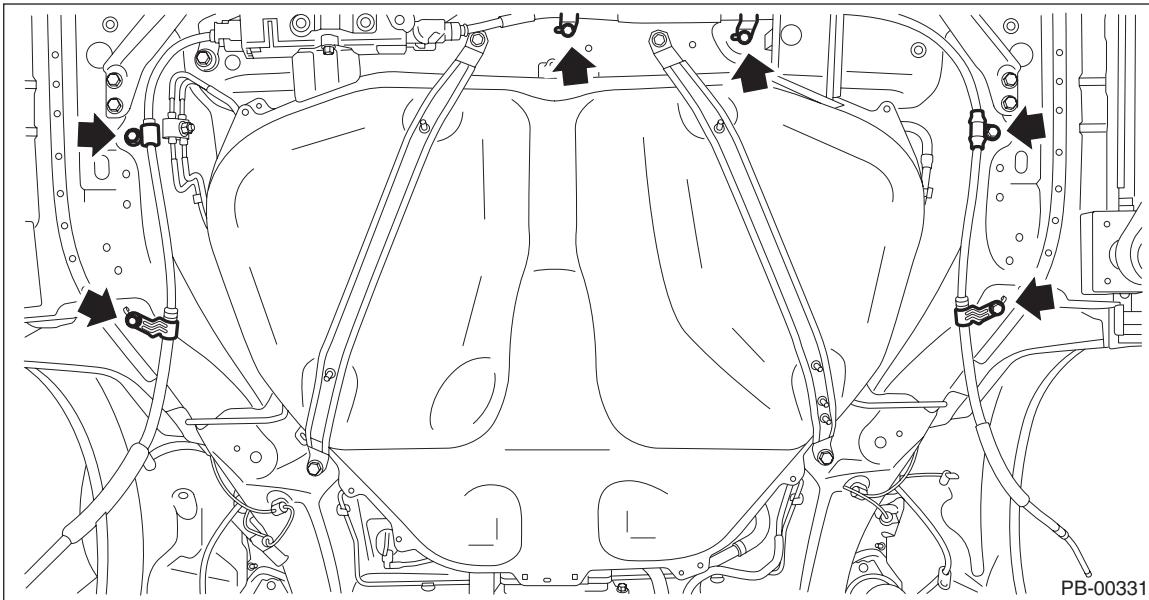


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### 5) Remove the parking brake actuator.

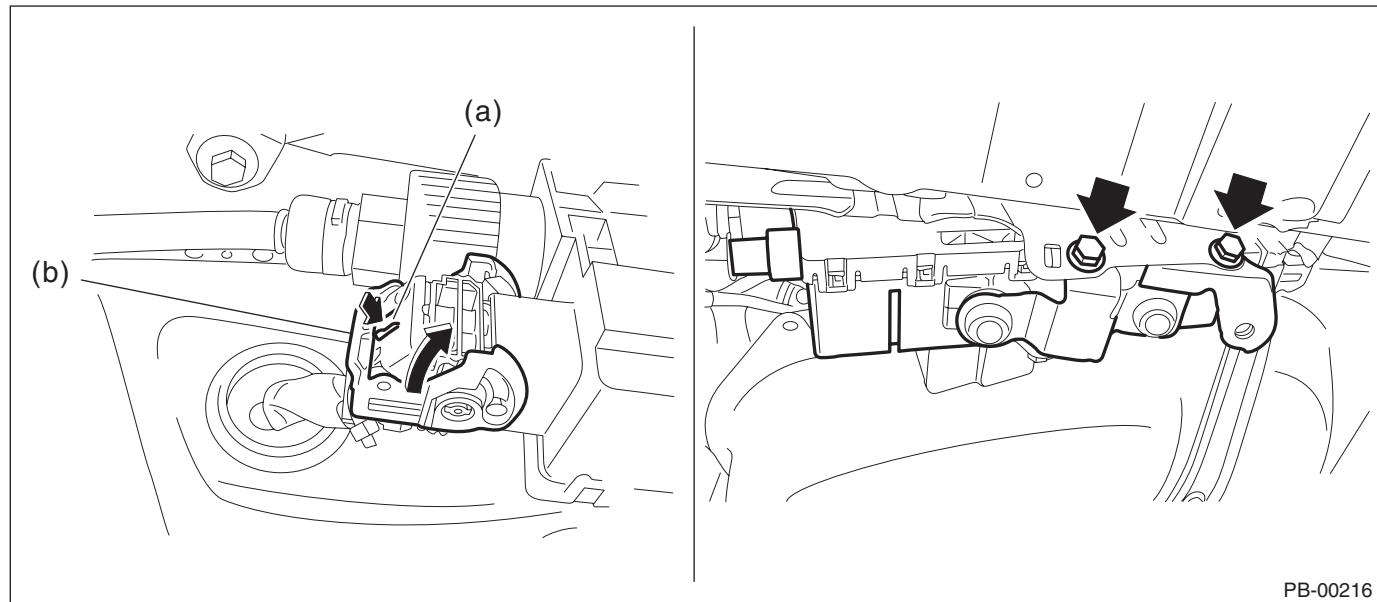
- (1) Remove the parking brake cable from parking brake assembly. <Ref. to PB-11, REMOVAL, Parking Brake Assembly (Rear Disc Brake).>
- (2) Remove the bolt and detach the cable clamp.



#### NOTE:

Make a line marking to confirm the twist of parking cable, and then perform the following procedures:

- (3) Push the lock (a), and pull up the lock lever (b).
- (4) With the lock lever pulled up, disconnect the parking brake actuator connector.
- (5) Remove the bolts and remove the parking brake actuator.

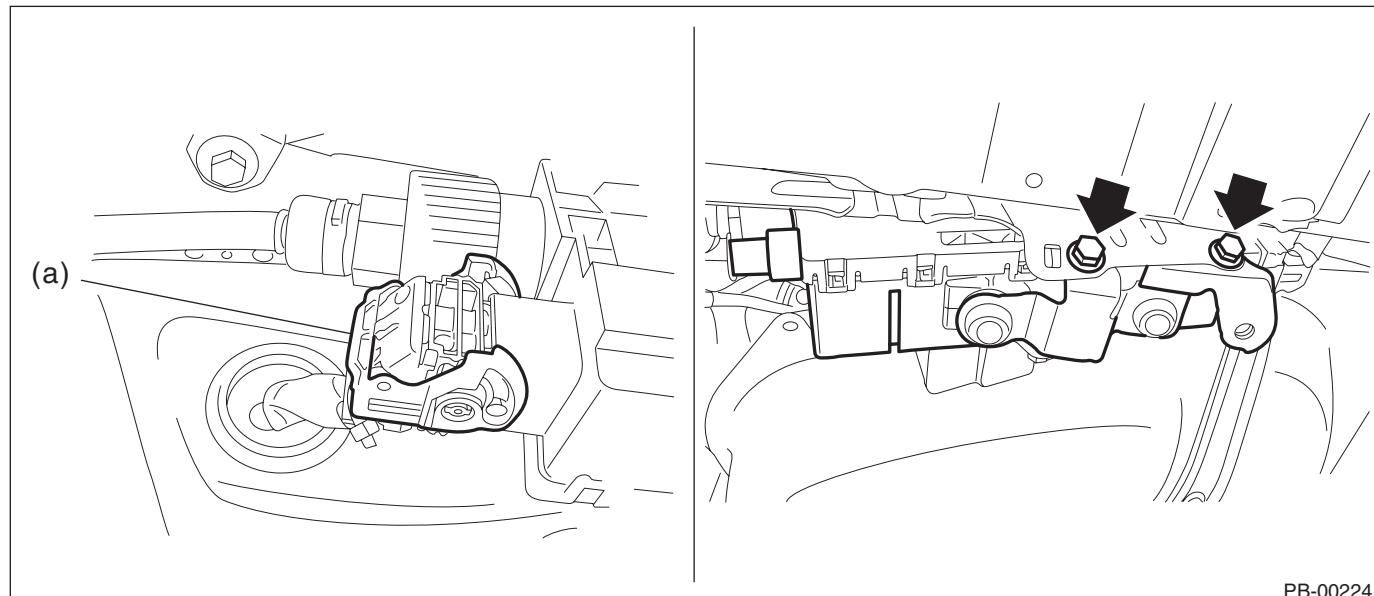


### B: INSTALLATION

- 1) Install the parking brake actuator assembly.
  - (1) Connect the parking brake actuator connector.

**CAUTION:**

Securely lock the locking connector (a).



- (2) Install the parking brake actuator.

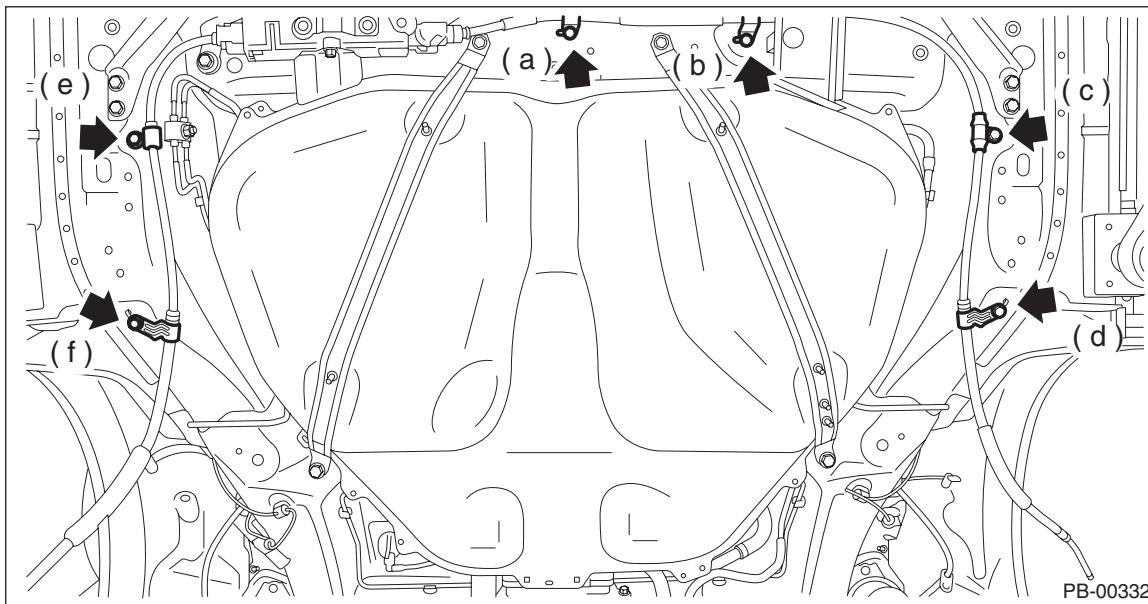
**Tightening torque:**

**18 N·m (1.84 kgf·m, 13.3 ft-lb)**

- (3) Check that the parking brake cable is not twisted, and install the cable clamps in the order of (a) to (f).

**CAUTION:**

- Perform the installation with the line marking of the parking brake cable facing downward.
- Pay special attention to the cable clamps (d) and (f) because the cable is easy to be twisted due to these clamps.



**Tightening torque:**

**18 N·m (1.84 kgf·m, 13.3 ft-lb)**

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2) Install each part in the reverse order of removal.

#### ***Tightening torque:***

***Fuel tank protector installation nut: 9 N·m (0.9 kgf-m, 6.6 ft-lb)***

***Fuel tank protector installation bolt: 18 N·m (1.84 kgf-m, 13.3 ft-lb)***

3) Park the vehicle on a level ground with the four wheels on the ground.

4) Connect the Subaru Select Monitor to perform the following operations.

- “Force Sensor Calibration Mode”: <Ref. to PB(diag)-17, FORCE SENSOR CALIBRATION MODE, OPERATION, Subaru Select Monitor.>
- “Clutch Sensor Calibration Mode” (MT model only): <Ref. to PB(diag)-19, CLUTCH SENSOR CALIBRATION MODE, OPERATION, Subaru Select Monitor.>