

## 4. Parking Brake Actuator

### A: REMOVAL

**CAUTION:**

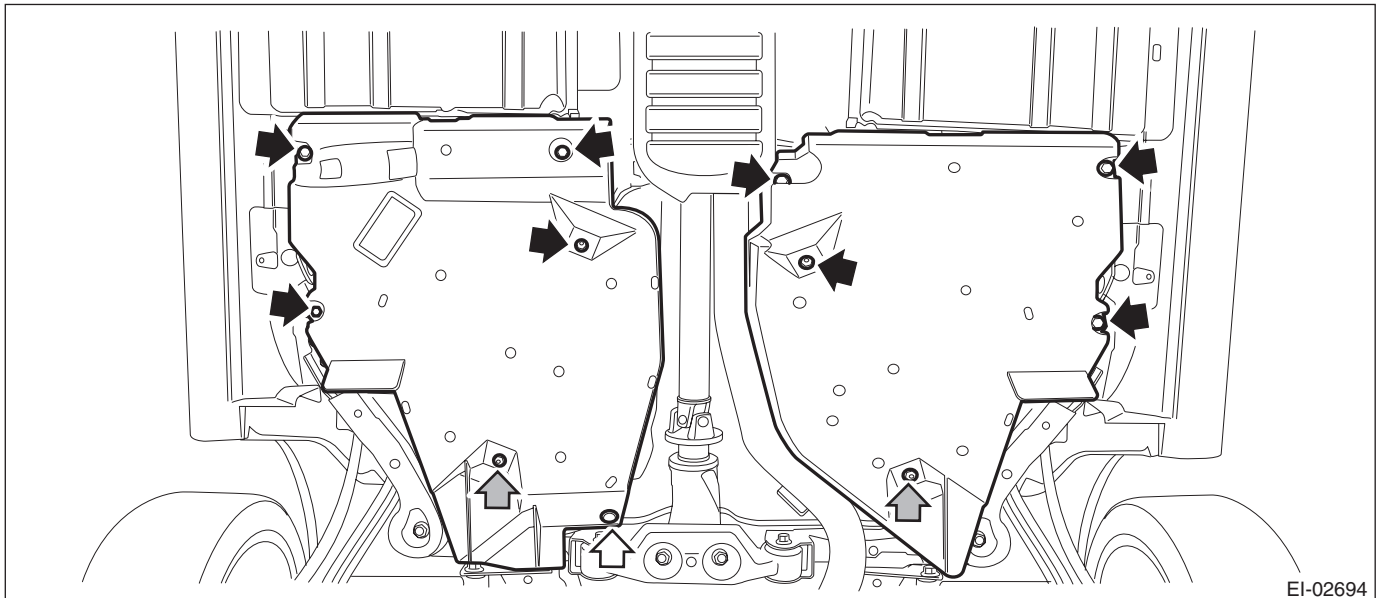
Since the parking brake actuator and parking brake cable are integrated as a unit, do not disassemble them.

- 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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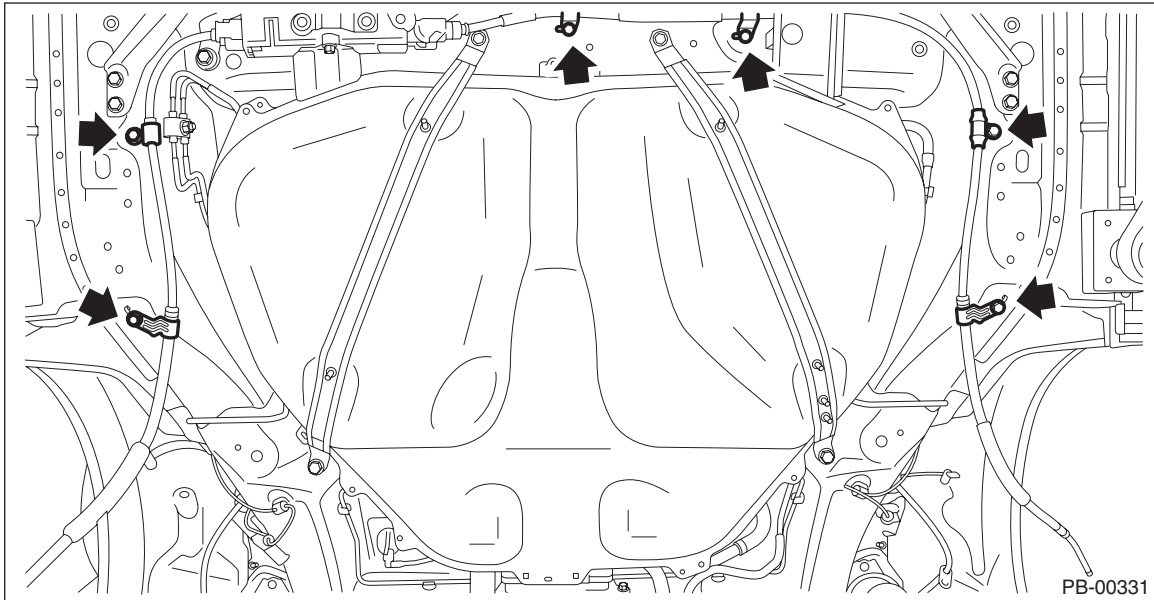
# Parking Brake Actuator

## PARKING BRAKE

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.



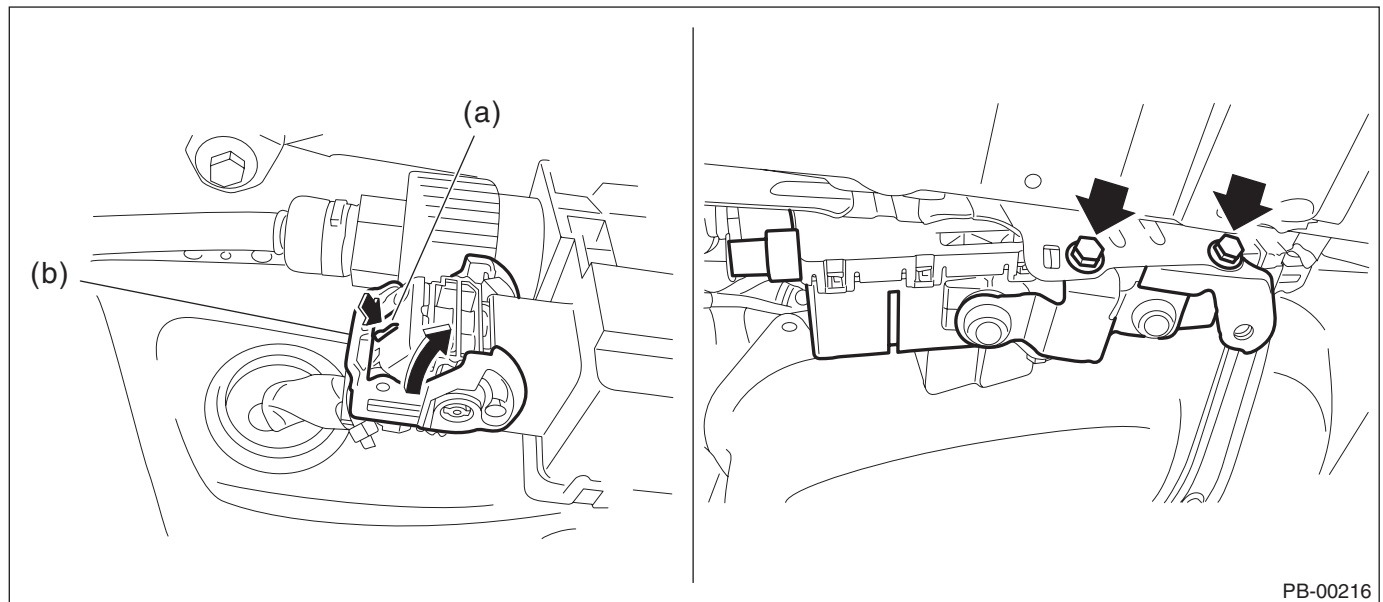
### NOTE:

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.

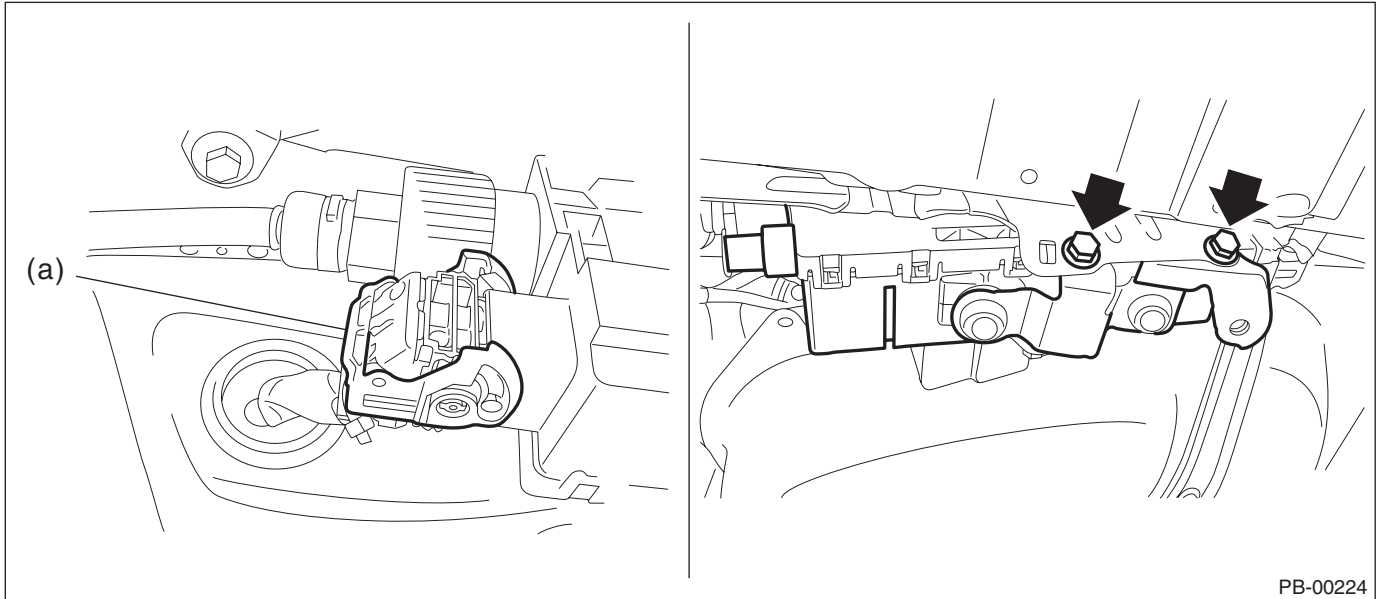


## B: INSTALLATION

- 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.

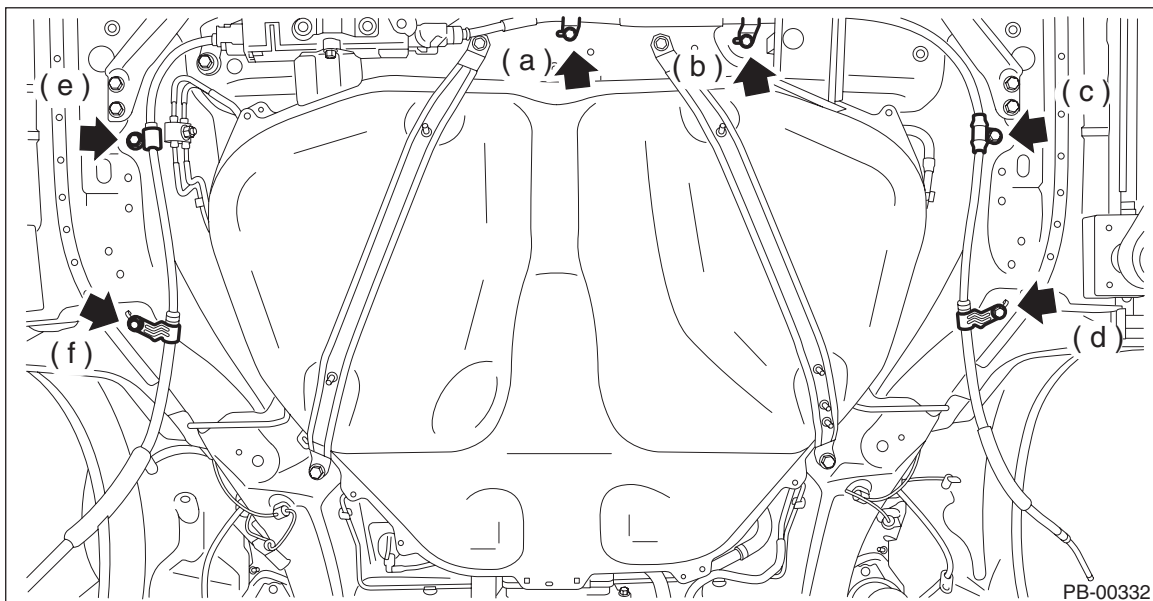
### Tightening torque:

**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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## PARKING BRAKE

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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.>