

Published: May 24, 2005

## Parking Brake Actuator - 4.0L/4.4L (70.35.48)

### Removal

#### NOTE:

If the parking brake shoes or the brake discs have been removed for access to other components then DO NOT carry out the bedding in procedure.

1.



**CAUTION:** Do not turn the ignition on when the parking brake service mode has been set, this will result in the parking brake being released from the service mode.

Enter the parking brake into the service mode.

- Turn the ignition key to position II.
- Apply, and hold, the footbrake.
- Apply, and hold, the parking brake switch to the RELEASE position.
- Turn the ignition key to position '0' and remove the key.
- Release the footbrake.
- Release the parking brake switch.

2.

Isolate the parking brake electrical circuit.

- Remove fuse number 8 from the BJB.

3.



**WARNING:** Do not work on or under a vehicle supported only by a jack. Always support the vehicle on safety stands.

Raise and support the vehicle.

4.

Remove the evaporative emissions canister. For additional information, refer to [Evaporative Emission Canister \(17.15.13\)](#) (Section 303-13)

5.

Remove the RH rear brake disc. For additional information, refer to [Brake Disc \(70.12.33\)](#) (Section 206-04)

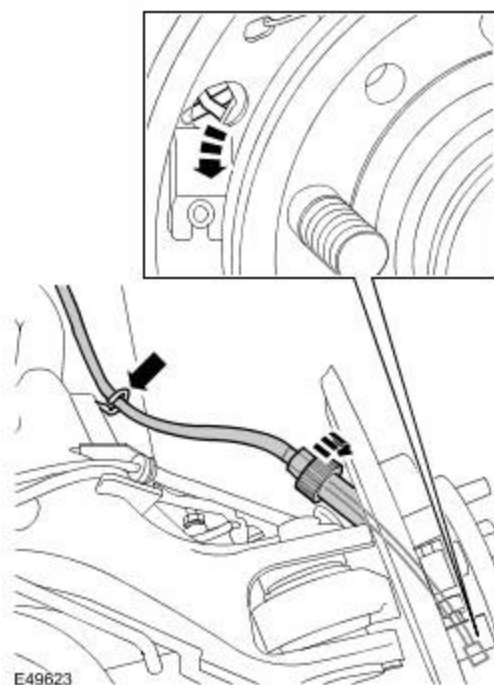
6.

Remove the LH rear brake disc.

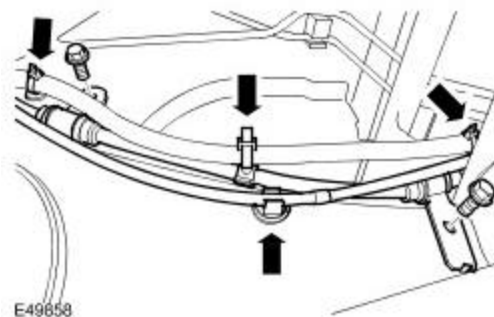
7.

Disconnect both parking brake cables from the wheel hubs.

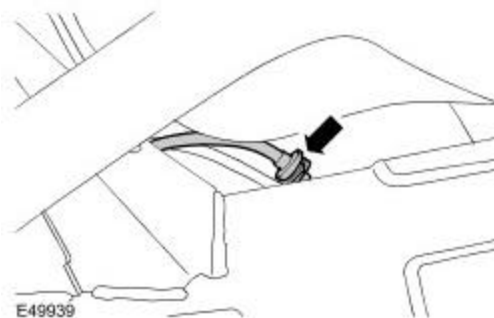
- Release the retaining nut.
- Release the cable from the lower arm.
- Disconnect the inner cable from the brake shoe.



8. Release the LH parking brake cable.
- Remove the bolts securing the 2 clips and remove the clips.
  - Release the 3 wiring harness clips.
  - Release the cable from the clip on the chassis.

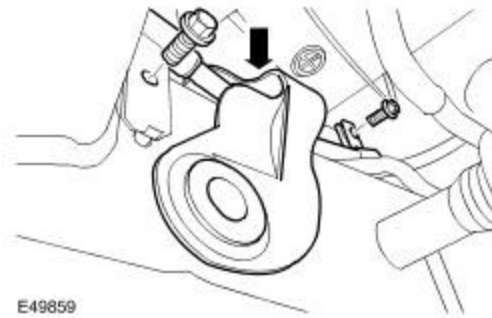


9. Release the LH parking brake cable.

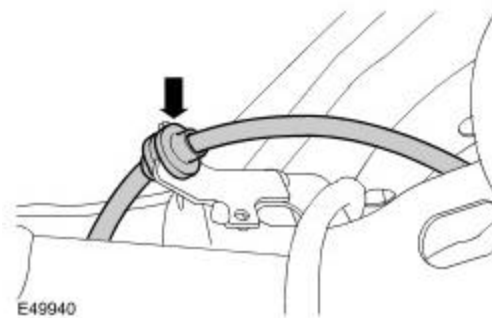


10. Release the RH parking brake cable.
- Remove the bolts securing the 2 clips and remove the clips.

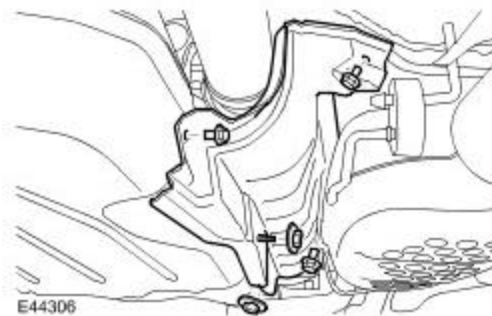
- ▶ Release the handbrake cable from the 2 pipe clips.
- ▶ Release the cable from the clip on the chassis.




- 11 . Release the RH parking brake cable.



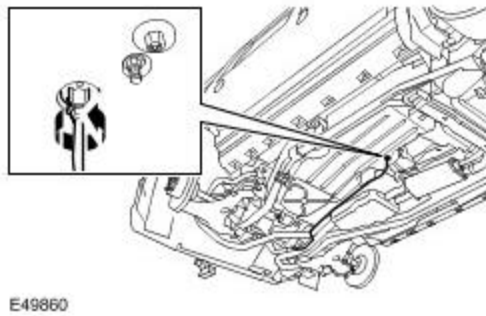
- 12 . Remove the fuel tank heat shield.
- ▶ Remove the 3 bolts and 2 nuts.



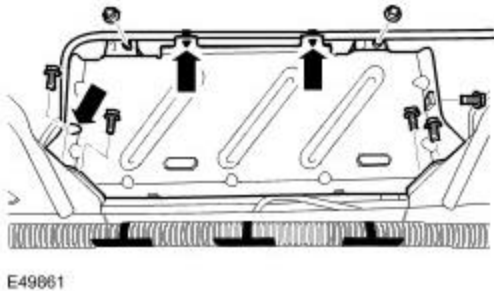
- 13 .  **CAUTION:** Inspect the parking brake emergency release cable to body seal and replace if damaged.

**NOTE:**

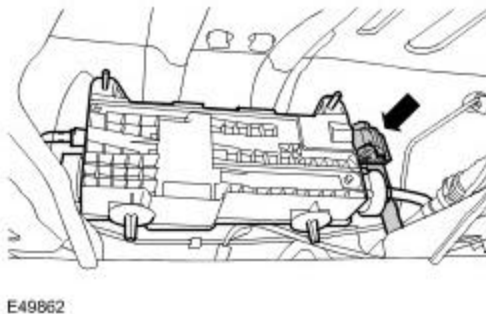
Note the fitted position of the parking brake emergency release cable to body seal.  
Release the parking brake emergency release cable.



- 14 . Remove the parking brake actuator mounting bracket.
- Release the air suspension pipe retaining clips.
  - Remove the 2 nuts.
  - Remove the 5 retaining bolts.
  - Release the 3 wiring harness clips.




- 15 . Disconnect the electrical connector.
- 16 . Remove the parking brake actuator and cable assembly.
- Note the routing of the parking brake cables.
  - Note the routing of the parking brake emergency release cable.



## Installation

- 1 . Install the parking brake actuator and cable assembly.
- Note the routing of the parking brake cables.
  - Note the routing of the parking brake emergency release cable.

- 2 .           Connect the electrical connector.
- 3 .           Install the parking brake actuator mounting bracket.
  - Tighten the bolts to 22 Nm (16 lb.ft).
- 4 .            **CAUTION: Make sure the parking brake emergency release cable to body seal is installed correctly.**

              Locate and secure the parking brake emergency release cable.
- 5 .           Install the fuel tank heat shield.
  - Tighten the bolts to 6 Nm (4 lb.ft).
  - Tighten the nuts to 3 Nm (2 lb.ft).
- 6 .           Locate and secure the RH parking brake cable.
  - Fit the clips.
  - Attach the handbrake cable to the 2 pipe clips.
  - Tighten the new bolts to 22 Nm (16 lb.ft).
  - Secure the cable grommet to the integrated body frame bracket.
- 7 .           Locate and secure the LH parking brake cable.
  - Fit the clips.
  - Tighten the new bolts to 22 Nm (16 lb.ft).
  - Secure the wiring harness.
  - Secure the cable grommet to the integrated body frame bracket.
- 8 .           Connect the parking brake cables to the wheel hubs.
  - Connect the cable to the brake shoe lever.
  - Locate the cable to the backplate.
  - Tighten the coupling to 8 Nm (6 lb.ft).
- 9 .           Install the RH rear brake disc. For additional information, refer to [Brake Disc \(70.12.33\)](#) (Section 206-04)
- 10 .          Install the LH rear brake disc.
- 11 .          Install the wheels and tires.
  - Tighten the wheel nuts to 140 Nm (103 lb.ft).
- 12 .          Install the evaporative emissions canister. For additional information, refer to [Evaporative Emission Canister \(17.15.13\)](#) (Section 303-13)

- 13 .            Install fuse number 8 into the BJB.
- 14 .            Using T4, calibrate the parking brake actuator.