

Parking Brake

Principle of Operation

For a detailed description of the parking brake, refer to the relevant Description and Operation section in the workshop manual.

[Parking Brake](#)

Inspection and Verification

- 1 . Verify the customer concern by operating the system to duplicate the condition.
- 2 . Visually inspect for obvious signs of damage and system integrity.

Mechanical	Electrical
<ul style="list-style-type: none">• Parking brake control• Cable and conduit• Equalizer	<ul style="list-style-type: none">• Parking brake control warning circuit

- 3 . If an obvious cause for an observed or reported concern is found, correct the cause (if possible) before proceeding to the next step.
- 4 . If the concern is not visually evident, verify the symptom and refer to the Symptom Chart.

Symptom Chart

Symptom	Possible Cause	Action
The parking brake will not engage	<ul style="list-style-type: none">• Parking brake control• Cable and conduit	Go to Pinpoint Test A
The parking brake will not release	<ul style="list-style-type: none">• Cable and conduit• Parking brake control	Go to Pinpoint Test B

Pinpoint Tests

PINPOINT TEST G874432p1 : THE PARKING BRAKE WILL NOT ENGAGE

G874432t1 : CHECK FOR INCORRECTLY ADJUSTED REAR PARKING BRAKE CABLE

1. Carry out parking brake cable adjustment procedure.

[Parking Brake Cable Adjustment \(70.35.10\)](#)

- Does the parking brake now engage correctly?

-> Yes

Vehicle OK.

-> No

GO to Pinpoint Test [G874432t2](#).

G874432t2 : CHECK FOR WORN PARKING BRAKE SHOES

1. Inspect the rear parking brake shoes for excessive wear.

- Are parking brake shoes OK?

-> **Yes**

GO to Pinpoint Test [G874432t3](#).

-> **No**

INSTALL new parking brake shoes.

[Parking Brake Shoes \(70.40.09\)](#) Test the system for normal operation.

G874432t3 : CHECK FOR DAMAGED PARKING BRAKE CABLES

1. Inspect the parking brake components, cables and conduit for damage, rust or fraying.

- **Are the parking brake components, cables and conduits OK?**

-> **Yes**

CHECK for other causes such as loose parking brake control or system components.

-> **No**

REPAIR or INSTALL new components, cables and conduit as necessary.

[Parking Brake Front Cable \(70.35.14\)](#)

[Parking Brake Rear Cables \(70.35.16\)](#) TEST the system for normal operation.

PINPOINT TEST G874432p2 : THE PARKING BRAKE WILL NOT RELEASE

G874432t4 : CHECK PARKING BRAKE CONTROL

1. Raise and support the vehicle with the parking brake fully applied.

2. Release the parking brake by pulling upwards on the control lever and pushing the release button.

- **Did the parking brake control release?**

-> **Yes**

CHECK for other causes such as conventional brake system components, REPAIR or INSTALL new components as necessary.

-> **No**

GO to Pinpoint Test [G874432t5](#).

G874432t5 : CHECK PARKING BRAKE CABLES

1. Loosen the parking brake cable tension.

Rotate the wheels by hand.

- **Did the rear wheels rotate OK?**

-> **Yes**

CHECK and INSTALL a new parking brake control as required.

[Parking Brake Control \(70.35.08\)](#) TEST the system for normal operation.

-> **No**

GO to Pinpoint Test [G874432t7](#).

G874432t7 : CHECK REAR PARKING BRAKE CABLES

1. Disconnect the parking brake rear cable from the vehicle and check for binding/sticking.

- **Did the parking brake rear cable show signs of binding/sticking?**

-> **Yes**

INSTALL a new rear parking brake cable.

[Parking Brake Rear Cables \(70.35.16\)](#) TEST the system for normal operation.

-> **No**

Check for parking brake component or rear brake caliper failures.