

PARKING BRAKES

Click on the applicable bookmark to selected the required model year.

PARKING BRAKES

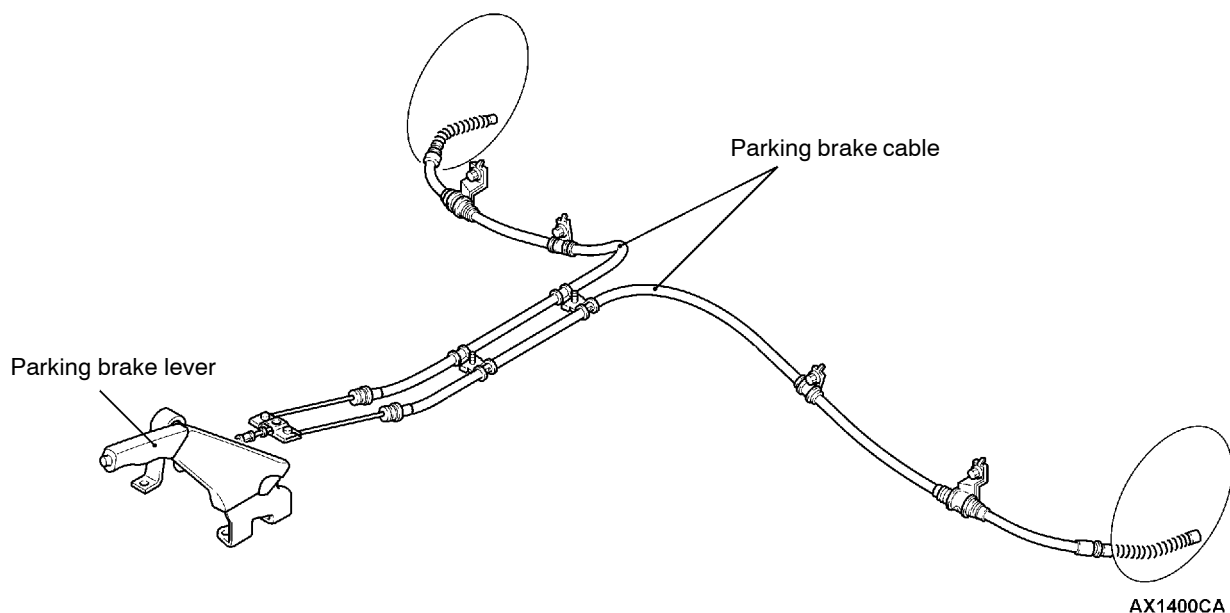
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GENERAL INFORMATION

The parking brake is of a mechanical control type acting on the rear wheels. A lever is used to apply the parking brake.

CONSTRUCTION DIAGRAM



SERVICE SPECIFICATIONS

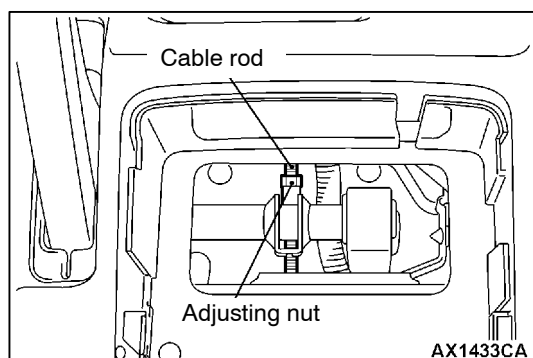
Items	Standard value	Limit
Parking brake lever stroke	5 - 7 notches	-
Rear brake lining thickness mm	3.0	1.0
Rear drum inside diameter mm	199.0	200.0

LUBRICANTS

Items	Specified lubricants
Backing plate	Multipurpose grease
Shoe and lining assembly	
Adjuster	

SEALANT

Items	Specified lubricants	Remarks
Shoe hold-down pin	3M ATD Part No. 8513 or equivalent	Drying sealant



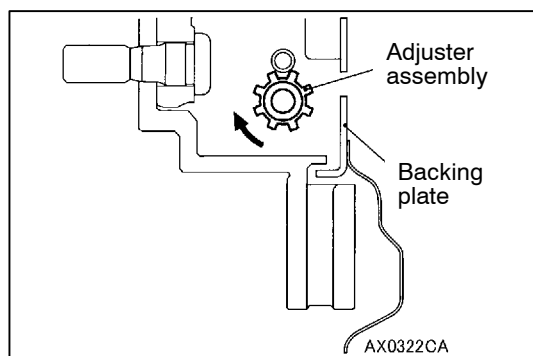
ON-VEHICLE SERVICE

PARKING BRAKE LEVER STROKE CHECK AND ADJUSTMENT

1. Pull the parking brake lever with a force of approx. 200 N and count the number of notches.

Standard value: 5 - 7 notches

2. If the parking brake lever stroke is not the standard value, adjust as described below.
 - (1) Remove the cup holder, and then loosen the adjusting nut to move it to the cable rod end so that the cable will be free.
 - (2) Remove the rear wheels.

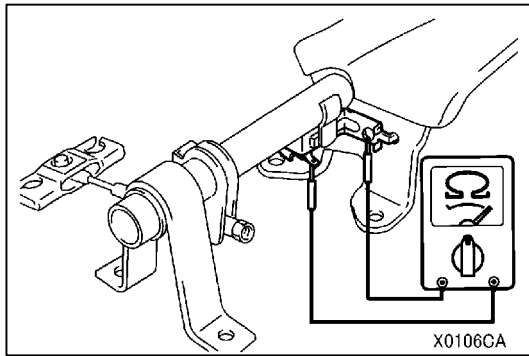


- (3) Remove the adjustment hole plug on the rear brake backing plate, and then use a flat-tip (-) screwdriver to turn the adjuster in the direction of the arrow (the direction which expands the shoe) so that the disc will not rotate. Return the adjuster three or four notches in the direction opposite to the direction of the arrow.
 - (4) Turn the adjusting nut to adjust the parking brake lever stroke to the standard value. After adjusting, check that there is no space between the adjusting nut and the parking brake lever.

Caution

If the parking brake lever stroke is below the standard value and the braking is too firm, the rear brakes may drag.

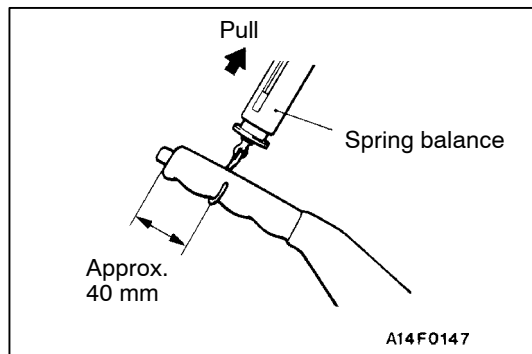
- (5) Release the parking brake and turn the rear wheels to check that the rear brakes are not dragging.



PARKING BRAKE SWITCH CHECK

1. Remove the cup holder and indicator panel.
2. Check for continuity between the parking brake switch terminal and the switch mounting bolt.

When parking brake lever is pulled	Continuity
When parking brake lever is released	No continuity



LINING RUNNING-IN

Carry out running-in by the following procedure when replacing the parking brake linings or the rear brake disc rotors, or when brake performance is insufficient.

Caution

Carry out running-in in a place with good visibility, and pay careful attention to safety.

1. Adjust the parking brake stroke to the specified value.
Standard value [Operation force: Approx. 200 N] : 5 - 7 notches
2. Hook a spring balance onto the centre of the parking brake lever grip and pull it with a force of 100 - 150 N in a direction perpendicular to the handle.
3. Drive the vehicle at a constant speed of 35 - 50 km/h for 100 metres.
4. Release the parking brake and let the brakes cool for 5 - 10 minutes.
5. Repeat the procedure in steps 2 to 4 four or five times.

PARKING BRAKE LEVER

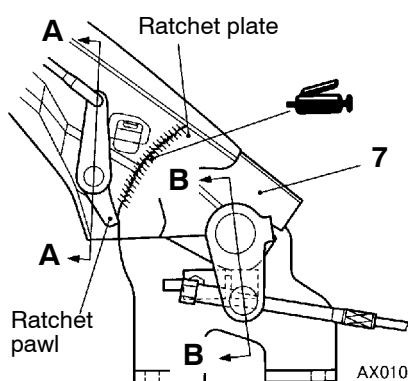
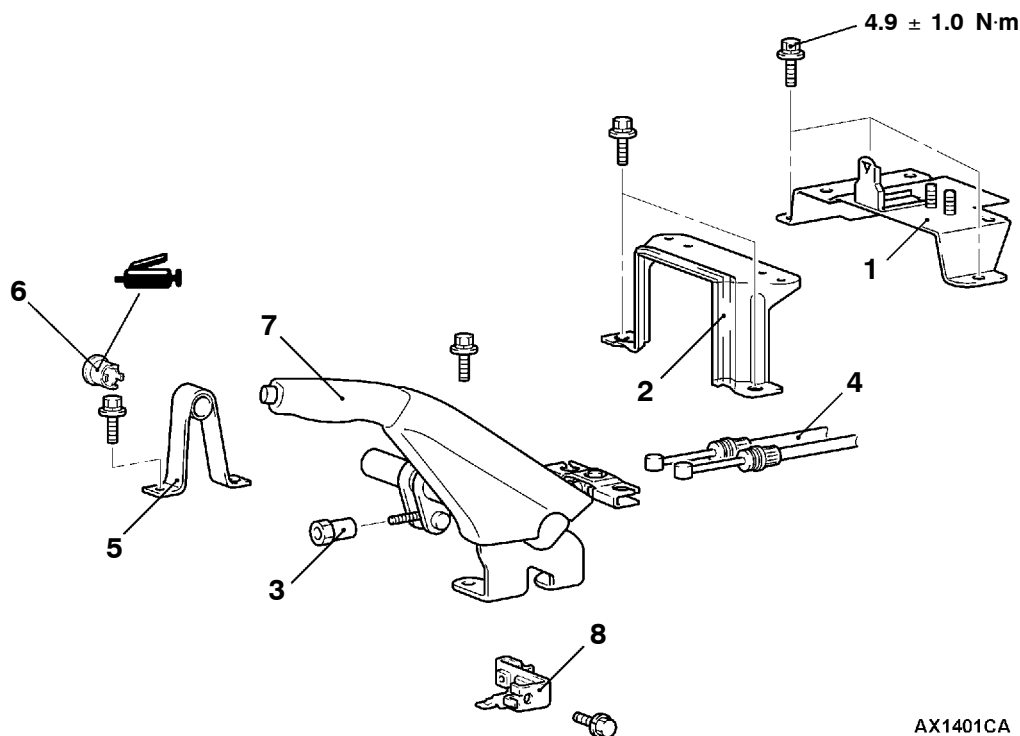
REMOVAL AND INSTALLATION

Pre-removal Operation

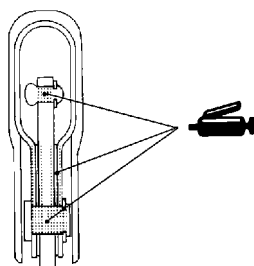
Floor Console Removal (Refer to GROUP 52A.)

Post-installation Operation

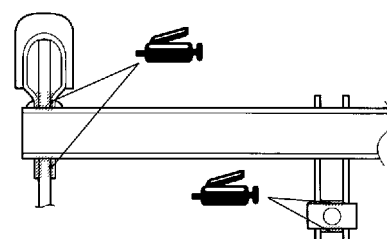
- Parking Brake Lever Stroke Adjustment (Refer to P.36-3.)
- Floor Console Installation (Refer to GROUP 52A.)



Section A - A



Section B - B



Removal steps

1. G sensor bracket
2. Floor console bracket
3. Adjusting nut
4. Parking brake cable assembly connection
5. Parking brake stay
6. Bushing
7. Parking brake lever assembly
8. Parking brake switch

PARKING BRAKE CABLE

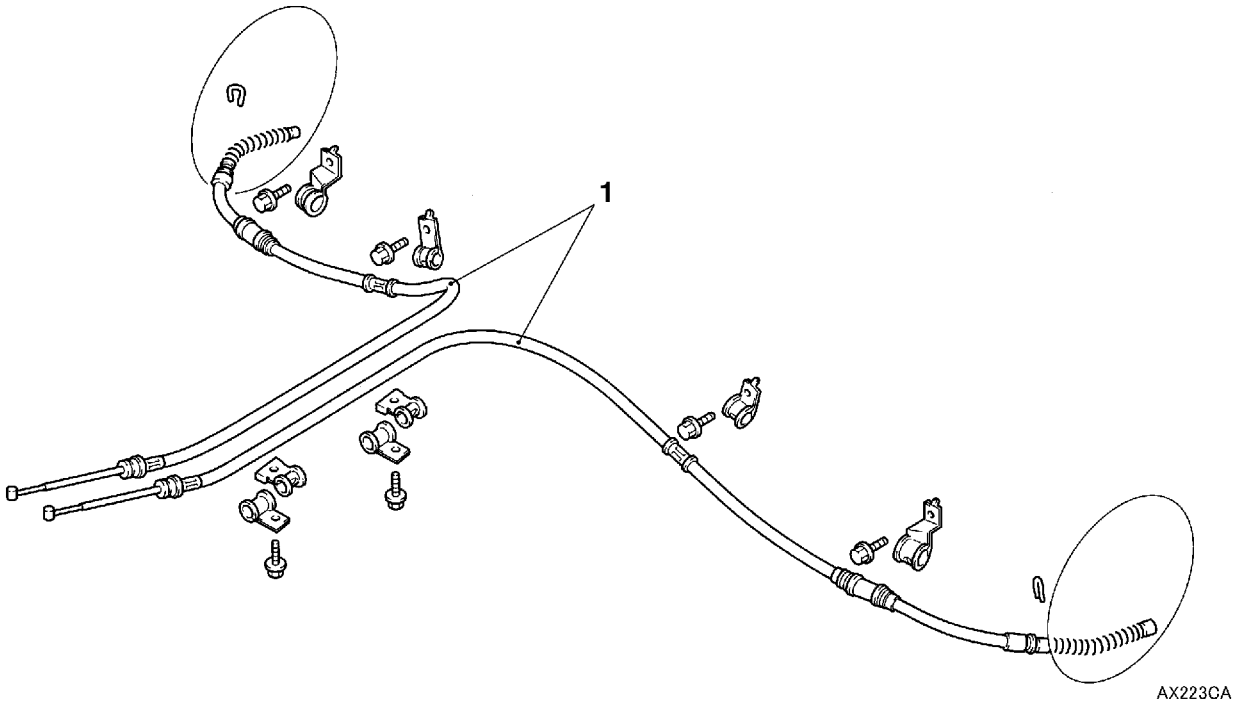
REMOVAL AND INSTALLATION

Pre-removal Operation

Floor Console Removal (Refer to GROUP 52A.)

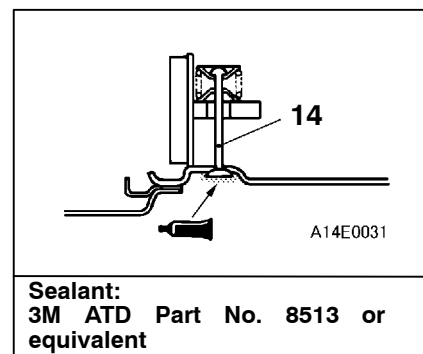
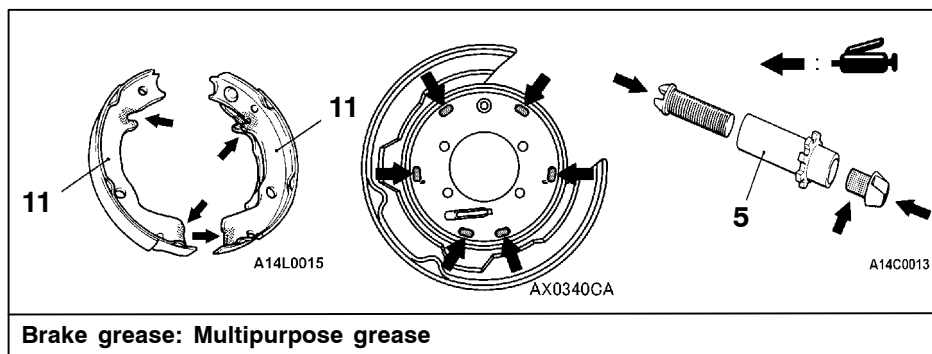
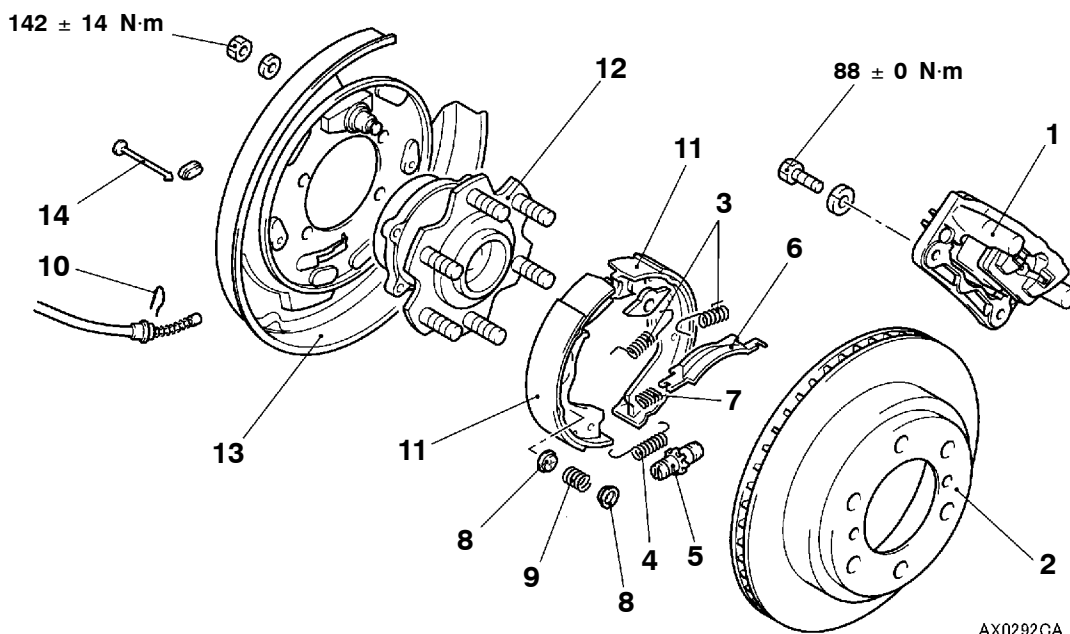
Post-installation Operation

- Parking Brake Lever Stroke Check and Adjustment (Refer to P.36-3.)
- Floor Console Installation (Refer to GROUP 52A.)

**Removal steps**

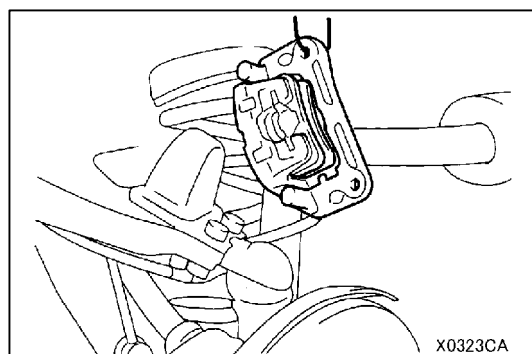
- Shoe and lining assembly (Refer to P.36-7.)
 - Parking brake cable assembly connection (Refer to P.36-5.)
1. Parking brake cable

PARKING BRAKE DRUM REMOVAL AND INSTALLATION



Removal steps

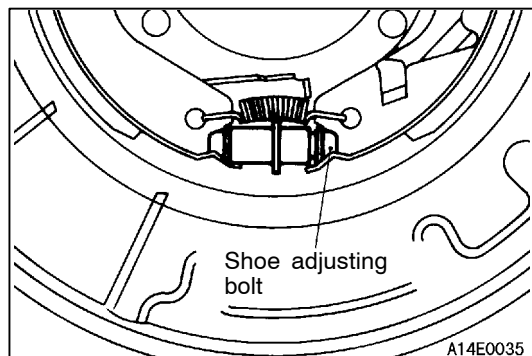
- | | | |
|----------------------------------|---|---|
| <p>◀A▶</p> <p>▶B▶</p> <p>▶A▶</p> | <ol style="list-style-type: none"> 1. Rear brake caliper assembly 2. Rear brake disc 3. Shoe-to-anchor spring 4. Adjusting wheel spring 5. Adjuster assembly 6. Strut 7. Strut-to-shoe spring 8. Shoe hold-down cup | <ol style="list-style-type: none"> 9. Shoe hold-down spring 10. Clip 11. Shoe and lining assembly 12. Rear hub assembly (Refer to GROUP 27.) 13. Backing plate 14. Shoe hold-down pin |
|----------------------------------|---|---|



REMOVAL SERVICE POINT

◀A▶ REAR BRAKE CALIPER ASSEMBLY REMOVAL

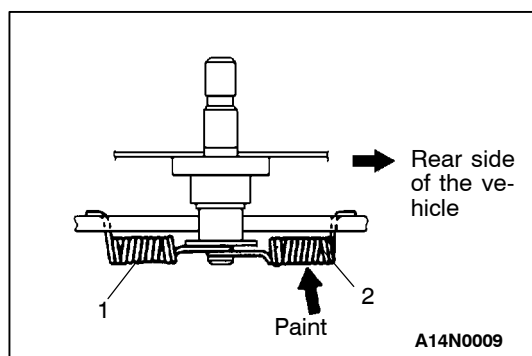
Remove the rear brake caliper assembly and support it with wire or similar.



INSTALLATION SERVICE POINTS

►A◄ ADJUSTER ASSEMBLY INSTALLATION

Install the adjuster assembly so that the shoe adjusting bolt of left hand wheel is attached towards the rear of the vehicle, and the shoe adjusting bolt of right hand wheel is towards the front of the vehicle.



►B◄ SHOE-TO-ANCHOR SPRING INSTALLATION

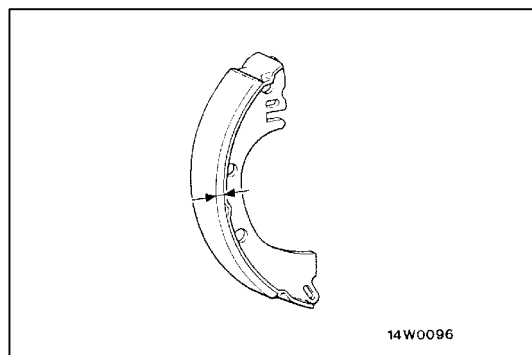
Install the shoe-to-anchor springs in the order shown in the illustration.

Caution

The shoe-to-anchor springs are not interchangeable, so be careful that the spring with the paint mark is installed at the vehicle's rear side.

NOTE

The figure shows the left wheel; for the right wheel, the position is symmetrical.



INSPECTION

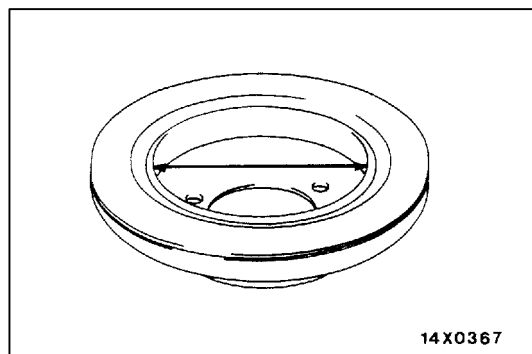
BRAKE LINING AND BRAKE DRUM CHECK

1. Measure the thickness of the brake lining at several places.

Standard value: 3.0 mm

Limit: 1.0 mm

2. If the thickness of the brake lining has worn down to the limit value or more, replace the shoe and lining assemblies on both sides of the vehicle.



3. Measure the inside diameter of the brake disc in two places or more.

Standard value: 199.0 mm

Limit: 200.0 mm

4. If the inside of the brake disc has worn down to the limit value or more, or if it is excessively worn on one side, replace the brake disc.