
PARKING BRAKES

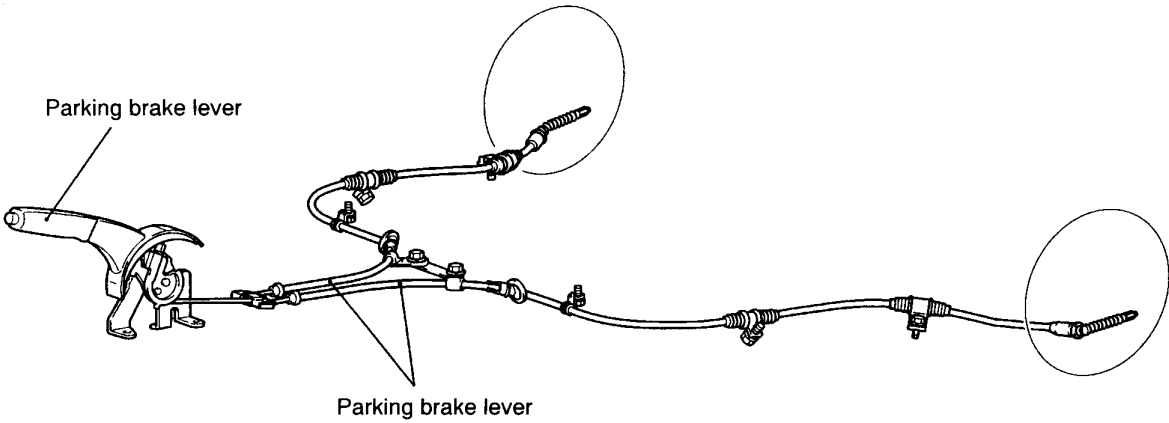
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GENERAL INFORMATION

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



AY2351AU

SERVICE SPECIFICATIONS

Items	Standard value	Limit
Parking brake lever stroke	5 – 7 notches	–
Rear brake lining thickness mm	2.8	1.0
Rear drum inside diameter mm	168.0	169.0

LUBRICANTS

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

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 floor console assembly. (Refer to GROUP52A)
- (2) Loosen the adjusting nut to move it to the cable rod end so that the cable will be free.
- (3) Depress the brake pedal repeatedly until the lever has no change in its stroke.

NOTE

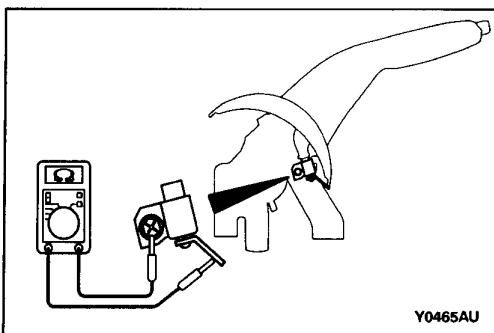
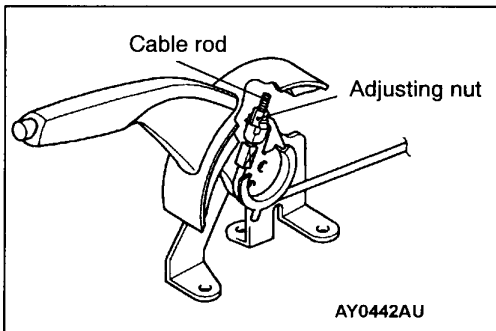
Depressing the brake pedal repeatedly adjusts shoe clearance correctly.

- (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. Check that the adjusting nut is secured with the nut holder.

Caution

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

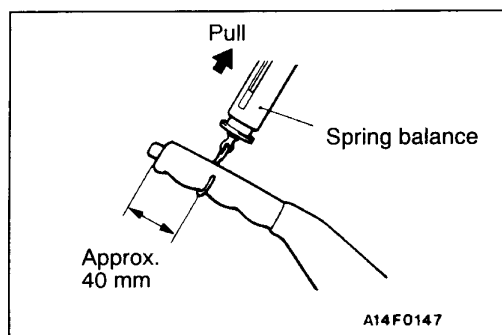
- (5) After adjusting the parking brake lever stroke, jack up the rear end of the vehicle, and then release the parking brake and turn the rear wheels to check that the rear brakes are not dragging.



PARKING BRAKE SWITCH CHECK

1. Remove the floor console assembly. (Refer to GROUP52A)
2. Remove the front seat assembly(RH). (Refer to GROUP52A)
3. 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

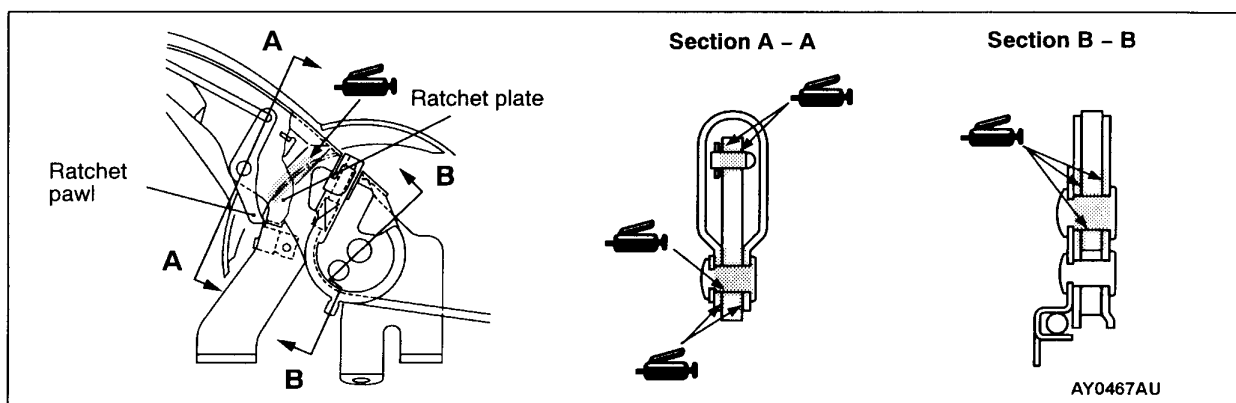
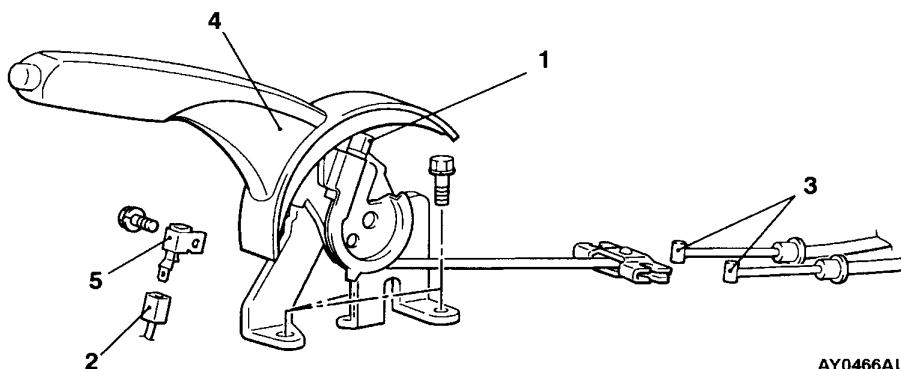
REMOVAL AND INSTALLATION

Pre-removal Operation

Rear Floor Console Assembly and Rear Console Bracket Removal (Refer to GROUP 52A-Floor Console.)

Post-installation Operation

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



Removal steps

1. Adjusting nut
2. Parking brake switch connector
3. Parking brake cable connection

4. Parking brake lever assembly
5. Parking brake switch

PARKING BRAKE CABLE

REMOVAL AND INSTALLATION

CAUTION

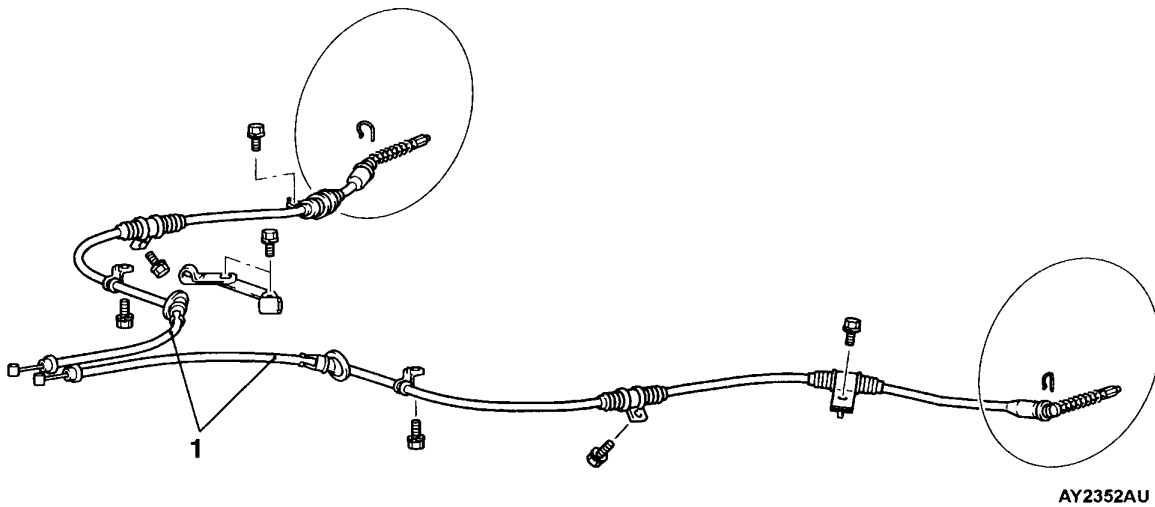
If the vehicle is equipped with the Brembo disc brake, during maintenance, take care not to contact the parts or tools to the caliper because the paint of caliper will be scratched. And if there is brake fluid on the caliper, wipe out quickly.

Pre-removal Operation

- Rear Floor Console Assembly and Rear Console Bracket Removal (Refer to GROUP 52A-Floor Console.)
- Rear Seat Cushion Assembly Removal (Refer to GROUP 52A-Seat.)

Post-installation Operation

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



Removal steps

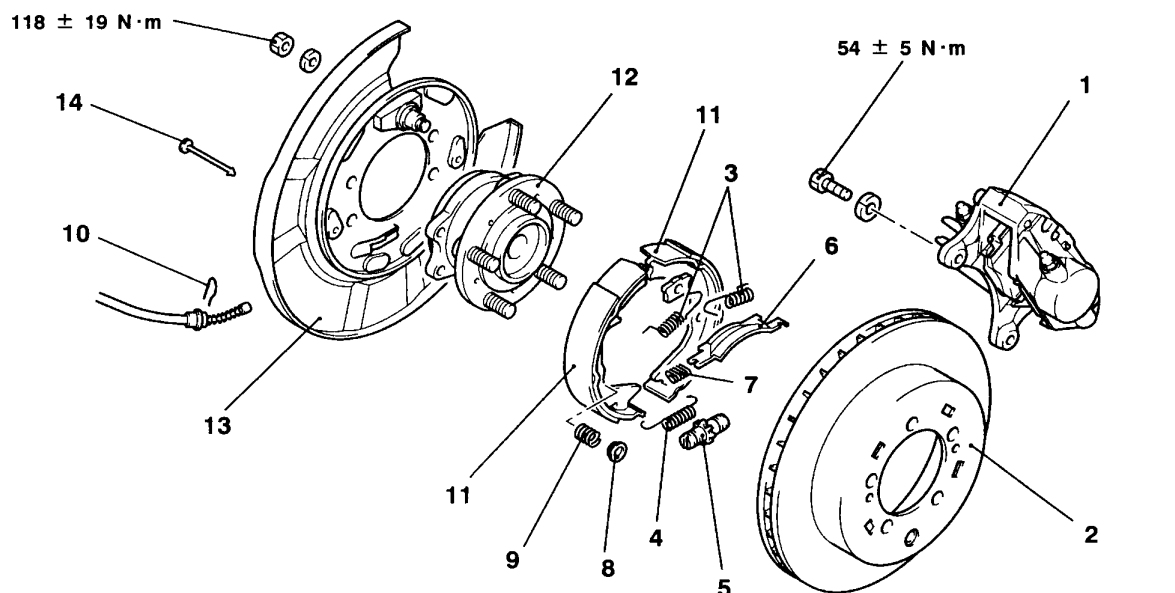
- Shoe and lining assembly
(Refer to P.36-7.)
 - Parking brake cable connection
(Refer to P.36-5.)
1. Parking brake cable

PARKING BRAKE DRUM

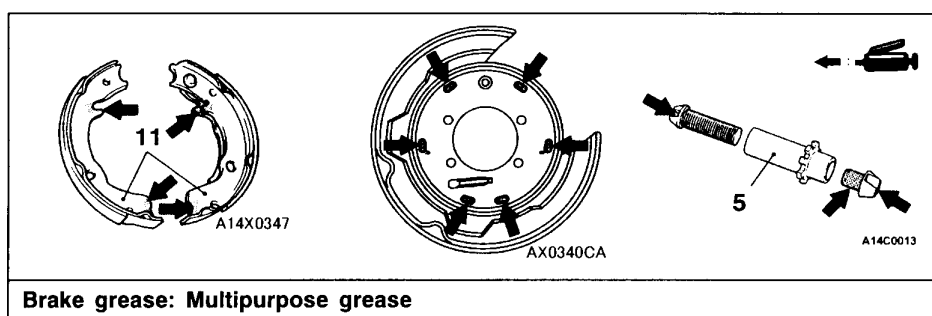
REMOVAL AND INSTALLATION

CAUTION

If the vehicle is equipped with the Brembo disc brake, during maintenance, take care not to contact the parts or tools to the caliper because the paint of caliper will be scratched. And if there is brake fluid on the caliper, wipe out quickly.



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Removal steps

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

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

◀▶

►B◄

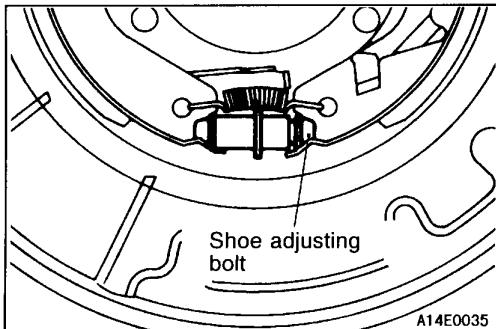
▶A◀

REMOVAL SERVICE POINT**◀A▶ REAR BRAKE CALIPER ASSEMBLY REMOVAL**

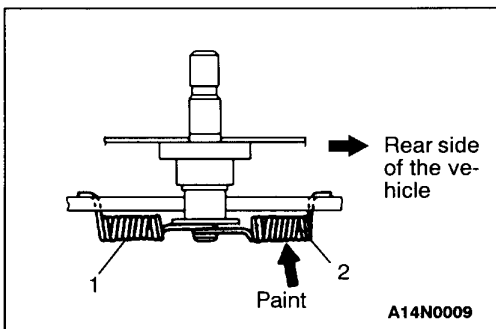
Remove the rear brake caliper assembly and support it with wire or similar.

CAUTION: Brembo disc brake

Take care not to contact the parts or tools to the caliper because the paint of caliper will be scratched. And if there is brake fluid on the caliper, wipe out quickly.

**INSTALLATION SERVICE POINTS****▶A◀ ADJUSTER ASSEMBLY INSTALLATION**

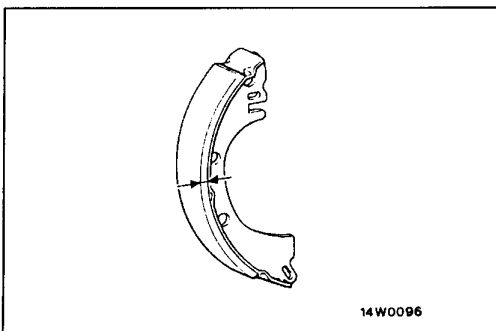
Install the adjuster assembly so that the shoe adjusting bolt of left hand wheel is attached towards the rear of the vehicle, and the shoe adjusting bolt of right hand wheel is towards the front of the vehicle.

**▶B◀ SHOE-TO-ANCHOR SPRING INSTALLATION**

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

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: 2.8 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: 168.0 mm

Limit: 169.0 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.

