
PARKING BRAKES

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E36AA--

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SPECIFICATIONS**SERVICE SPECIFICATION**

E36CB--

Items	Specifications	
Standard value		
Parking brake lever stroke	mm (in.)	4–6 notches 6.5 (0.256)
Brake lining thickness	mm (in.)	197 (7.76)
Brake drum inner diameter	mm (in.)	
Limit		
Brake lining thickness	mm (in.)	4.5 (0.177)
Brake drum inner diameter	mm (in.)	198 (7.80)

LUBRICANTS

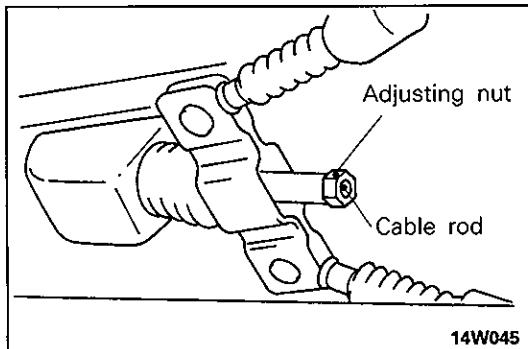
E36CD--

Items	Specified lubricant	Quantity
Backing plate		
Shoe and lining assembly	Brake grease SAE J310, NLGI No.1	As required
Adjuster		

SEALANT

E36CE--

Items	Specified sealant	Remarks
Both sides of sealer	3M ATD Part No. 8661, 8663 or equivalent	Semi-drying sealant
Shoe holdown pin	3M ATD Part No. 8513 or equivalent	Drying sealant
Backing plate		

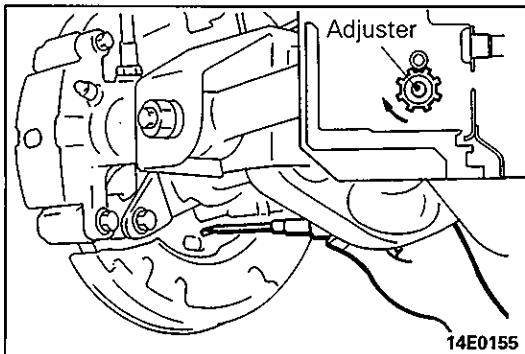
**SERVICE ADJUSTMENT PROCEDURES****PARKING BRAKE LEVER STROKE INSPECTION AND ADJUSTMENT**

E36FAAU

Standard value: 4–6 notches

If the parking brake lever stroke is not within the standard value range, make adjustment by the following procedures.

- (1) Loosen the adjuster to slacken the parking brake cable.
- (2) Remove the adjustment hole plug, 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.

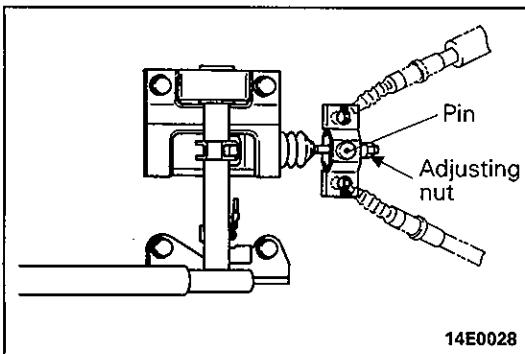


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- (3) Return the adjuster 3–4 notches in the direction opposite to the direction of the arrow.
- (4) Turn the adjusting nut to adjust the parking brake lever stroke to within the standard value range.

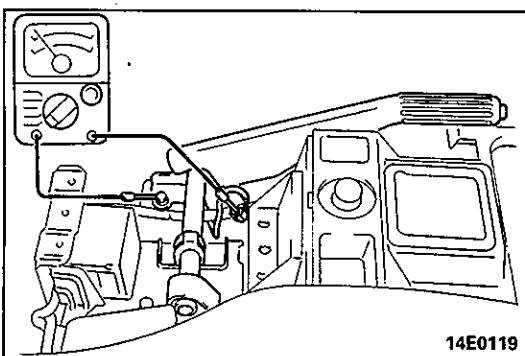
Caution

If the number of brake lever notches engaged is less than the standard value, the cable has been pulled excessively. Be sure to adjust it to within the standard value.



14E0028

- (5) After making the adjustment, check to be sure that there is no play between the adjusting nut and the pin. Also check that the adjusting nut is securely held at the nut holder.
- (6) After adjusting the lever stroke, jack up the rear of the vehicle.
- (7) With the parking brake lever in the released position, turn the rear wheel to confirm that the rear brakes are not dragging.



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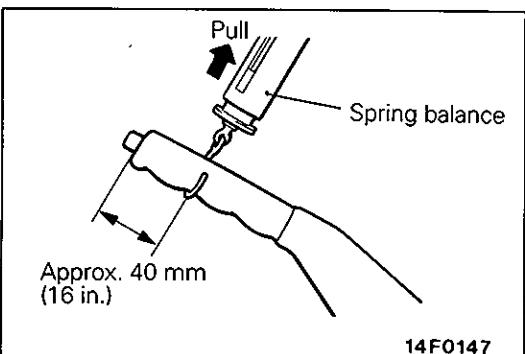
PARKING BRAKE SWITCH CHECK

E36FCAH

- (1) Disconnect the connector of the parking brake switch, and connect an ohmmeter to the parking brake switch and the switch installation bolt.
- (2) The parking brake switch is good if there is continuity when the parking brake lever is pulled and there is no continuity when it is returned.

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.



14F0147

- (1) Adjust the parking brake stroke to the specified value. (Refer to P.36-2.)
- (2) Hook a spring balance onto the the centre of the parking brake lever grip and pull it with a force of 100–150 N (10–15 kgf, 22–23 lbs.) in a direction perpendicular to the handle.
- (3) Drive the vehicle at a constant speed of 35–50 km/h (22–30 mph) for 100 metres (330 ft.).
- (4) Release the parking brake and let the brakes cool for 5–10 minutes.
- (5) Repeat the procedure in steps (2) to (4) 4–5 times.

Caution

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

PARKING BRAKE LEVER**REMOVAL AND INSTALLATION**

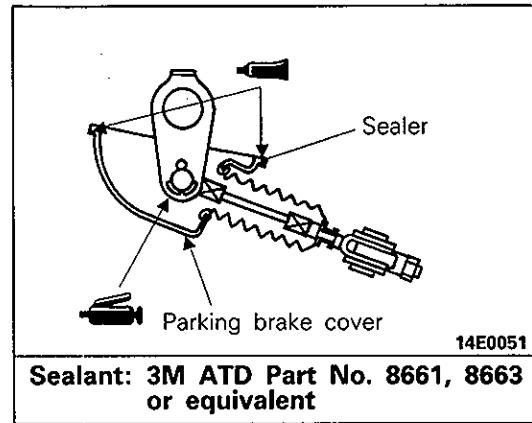
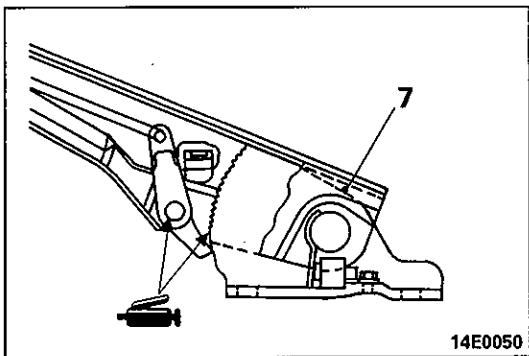
E36GA--

Pre-removal Operation

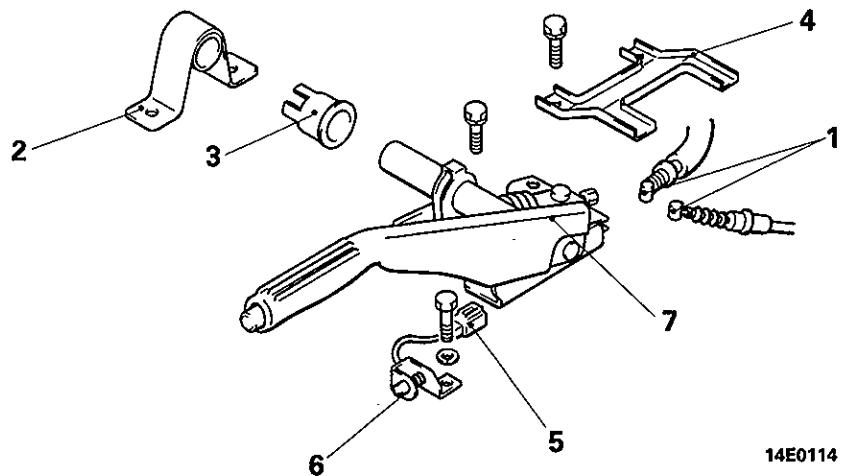
- Removal of Floor Console Assembly (Refer to GROUP 52 – Floor Console.)

Post-installation Operation

- Adjustment of Parking Brake Lever Stroke (Refer to P.36-2.)
- Installation of Floor Console Assembly (Refer to GROUP 52 – Floor Console.)



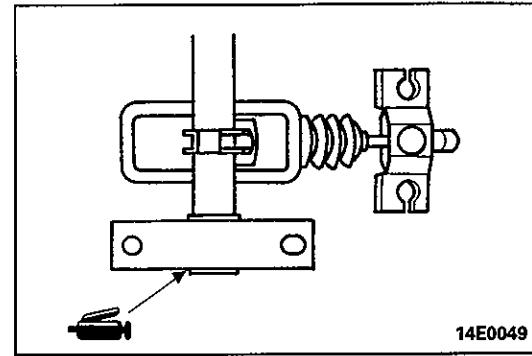
Sealant: 3M ATD Part No. 8661, 8663 or equivalent



14E0114

Removal steps

1. Connection for parking brake cable
2. Parking brake stay
3. Bushing
4. Parking brake shaft cover
5. Parking brake switch connector
6. Parking brake switch
7. Parking brake lever



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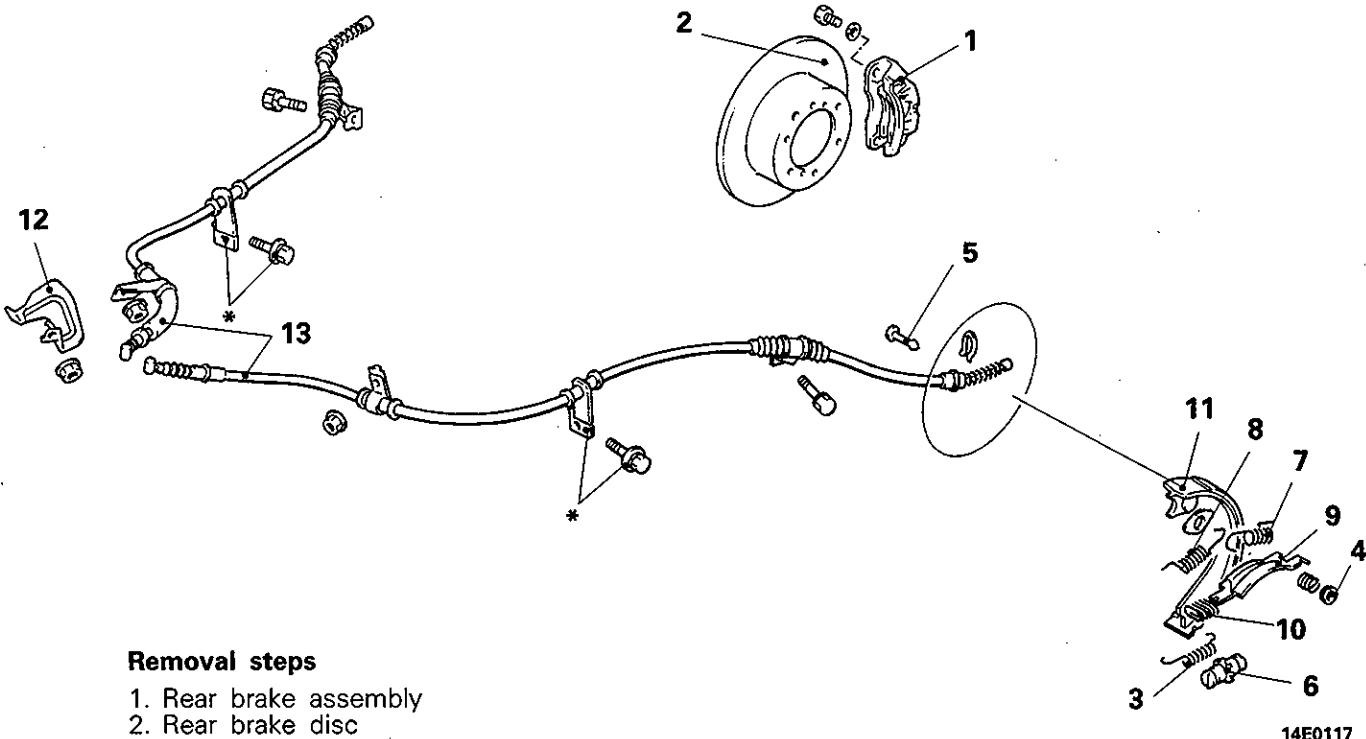
PARKING BRAKE CABLE

REMOVAL AND INSTALLATION

E36KA--

Post-installation Operation

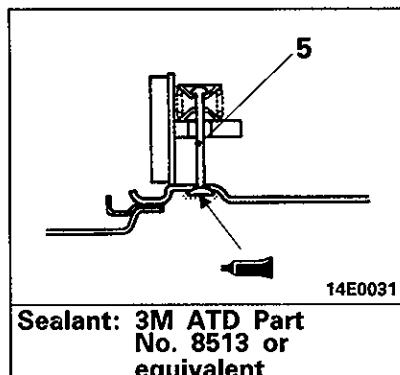
- Adjustment of Parking Brake Lever Stroke (Refer to P.36-2.)


Removal steps

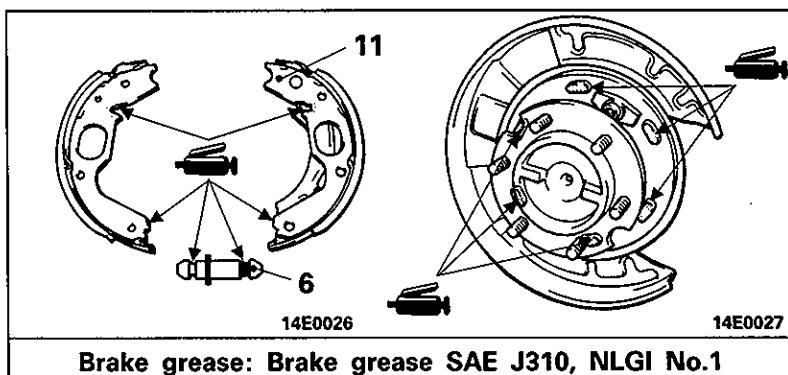
1. Rear brake assembly
2. Rear brake disc
3. Adjusting wheel spring
4. Shoe hold-down cup
5. Shoe hold-down pin
6. Adjuster
7. Anchor to shoe spring
8. Anchor to shoe spring
9. Strut
10. Strut to shoe spring
11. Shoe and lining assembly

NOTE

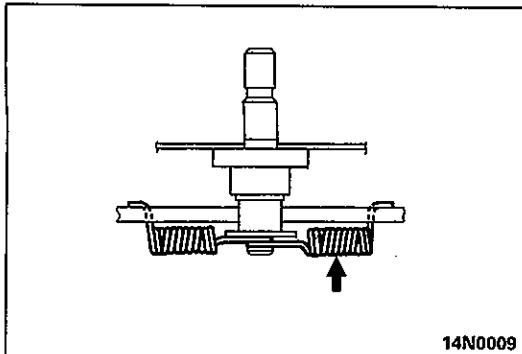
* indicates 4-door models.



Sealant: 3M ATD Part No. 8513 or equivalent



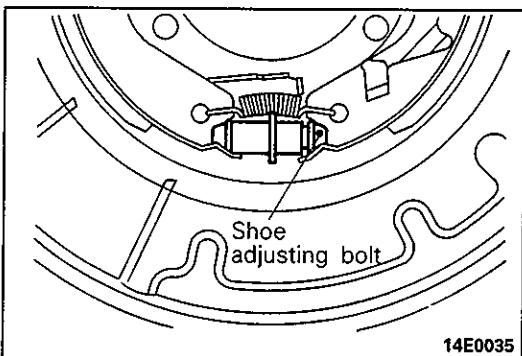
Brake grease: Brake grease SAE J310, NLGI No.1

**SERVICE POINTS OF INSTALLATION**

E36KBAG

8./7. INSTALLATION OF ANCHOR TO SHOE SPRING

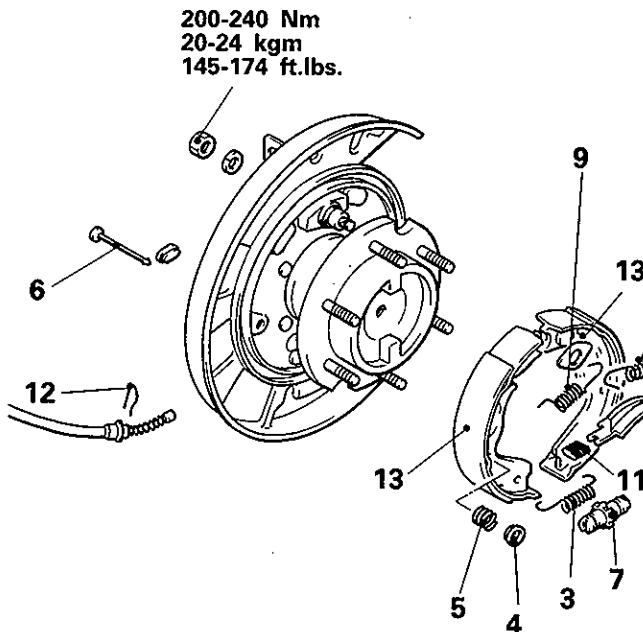
The load on the respective anchor-to-shoe springs is different, so the spring indicated by the arrow has been painted for identification.

**6. INSTALLATION OF ADJUSTER**

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

PARKING BRAKE DRUM REMOVAL AND INSTALLATION

E36RA--

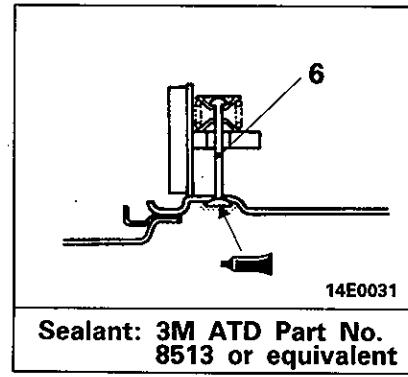


90 Nm
9.0 kgm
65 ft lbs

10

A diagram of a cell with a nucleus and nucleolus. The cell is represented by a large oval with a smaller oval inside representing the nucleus. Inside the nucleus, there are several small circles representing nucleoli.

14E0118

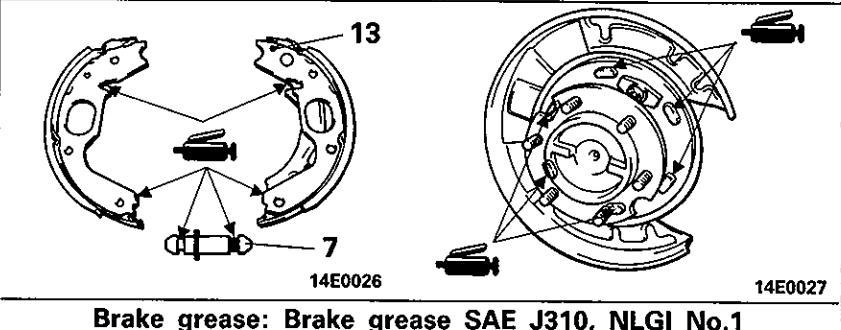


14E0031

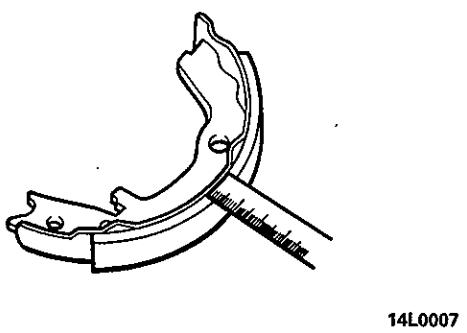
**Sealant: 3M ATD Part No.
8513 or equivalent**

Removal steps

- 1. Rear brake assembly
- 2. Rear brake disc
- 3. Adjusting wheel spring
- 4. Shoe hold-down cup
- 5. Shoe hold-down spring
- 6. Shoe hold-down pin
- 7. Adjuster
- 8. Anchor to shoe spring
- 9. Anchor to shoe spring
- 10. Strut
- 11. Strut to shoe spring
- 12. Clip
- 13. Shoe and lining assembly



Brake grease: Brake grease SAE J310, NLGI No.1



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INSPECTION

E36RCAB

UNUSUAL WEAR OF THE BRAKE LINING AND BRAKE DRUM

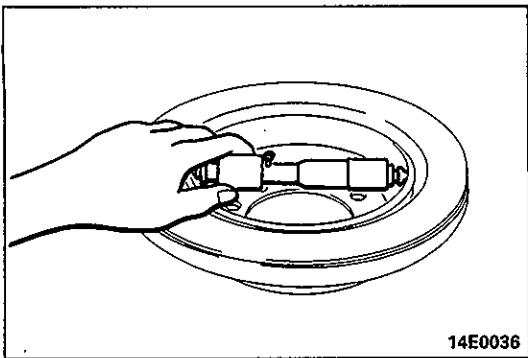
(1) Measure the thickness of the brake lining at several places.

Standard value: 6.5 mm (0.256 in.)

Limit: 4.5 mm (0.177 in.)

Caution

Replace the brake shoes if the thickness of the brake lining is the limit value or less.

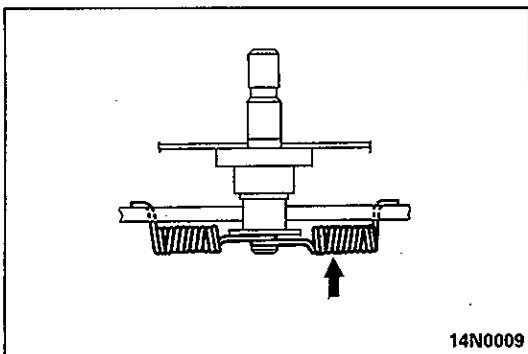


(2) Measure the brake disc drum inner diameter at two or more places.

Standard value: 197 mm (7.76 in.)
Limit: 198 mm (7.80 in.)

Caution

Replace if the brake disc drum inner diameter is the limit value or more.

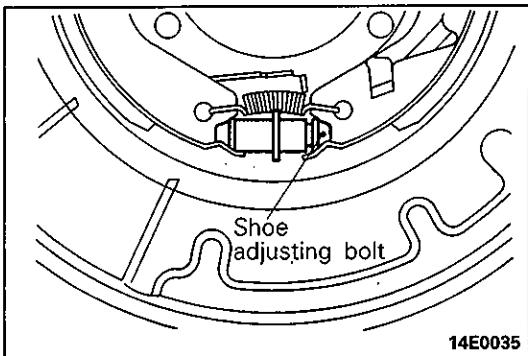


SERVICE POINTS OF INSTALLATION

E36RDAE

9./8. INSTALLATION OF ANCHOR TO SHOE SPRING

The load on the respective anchor-to-shoe springs is different, so the spring indicated by the arrow has been painted for identification.



7. INSTALLATION OF ADJUSTER

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