PARKING BRAKES

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E36AA--

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SPECIFICATIONS

SERVICE SPECIFICATION

E36CB--

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

LUBRICANTS

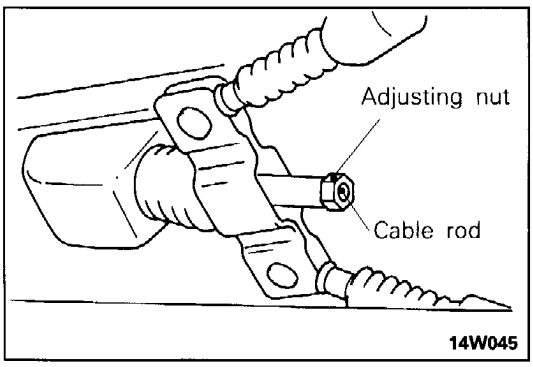
E36CD--

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

SEALANT

E36CE--

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



SERVICE ADJUSTMENT PROCEDURES

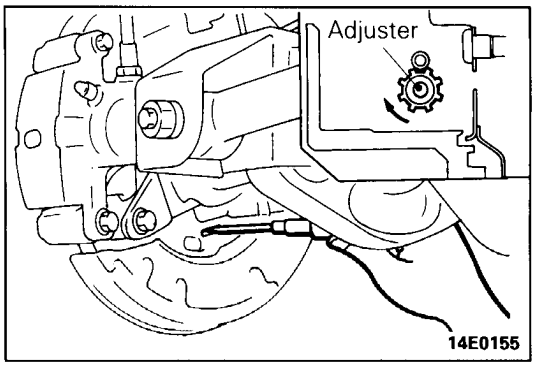
PARKING BRAKE LEVER STROKE INSPECTION AND ADJUSTMENT

E36FAAU

Standard value: 4–6 notches

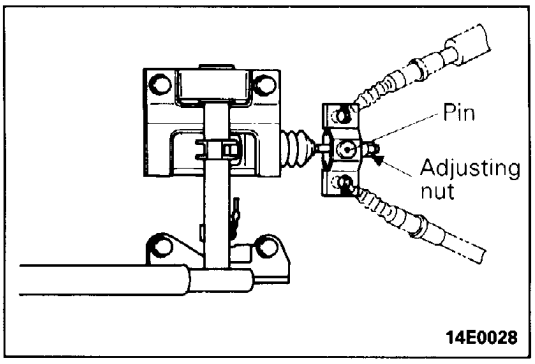
If the parking brake lever stroke is not within the standard value range, make adjustment by the following procedures.

(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.

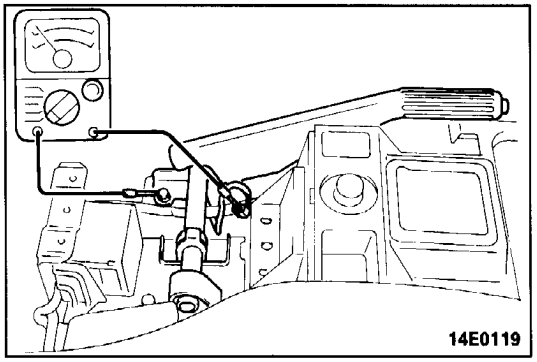


(3) Return the adjuster 3–4 notches in the direction opposite to the direction of the arrow.
(4) Turn the adjusting nut to adjust the parking brake lever stroke to within the standard value range.

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.



(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.

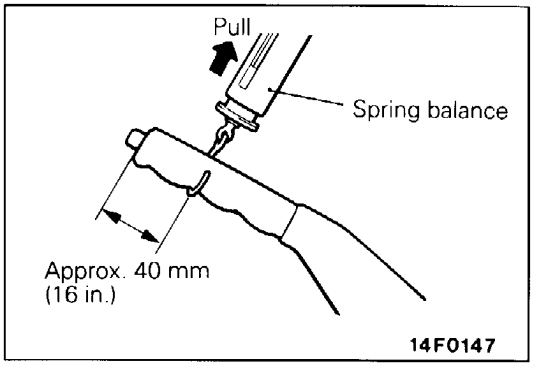


PARKING BRAKE SWITCH CHECK E36FCAH

(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.



(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.

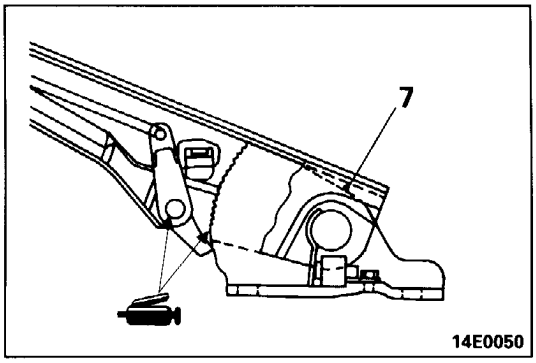
PARKING BRAKE LEVER

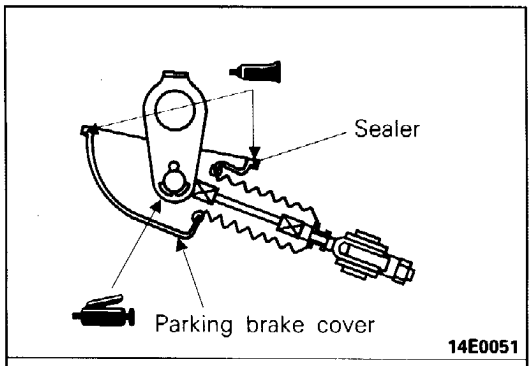
REMOVAL AND INSTALLATION

E36GA--

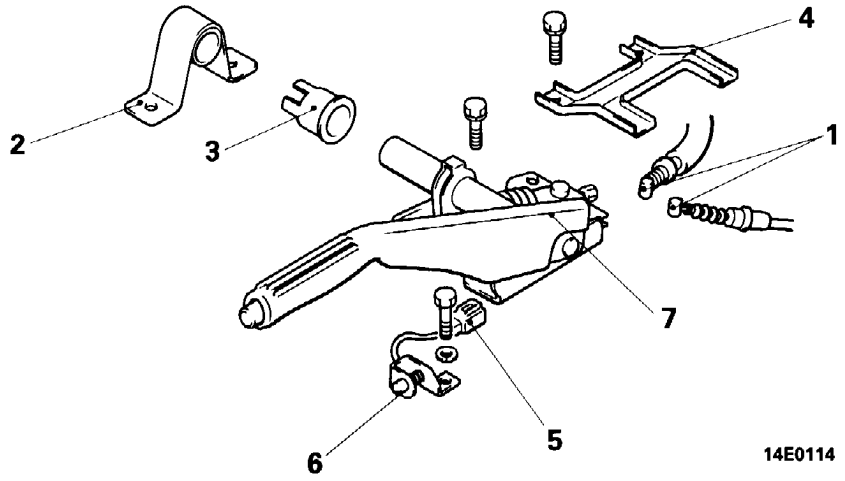
Pre-removal Operation
- Removal of Floor Console Assembly (Refer to GROUP 52 – Floor Console.)

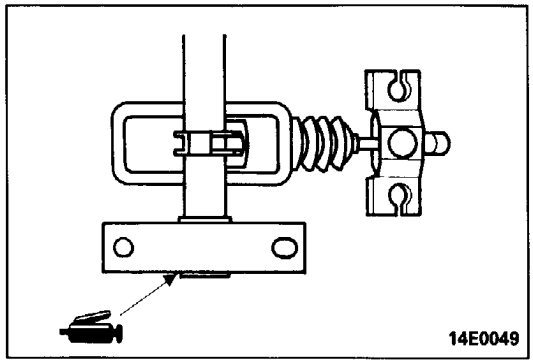
Post-installation Operation
- Adjustment of Parking Brake Lever Stroke (Refer to P.36-2.)
- Installation of Floor Console Assembly (Refer to GROUP 52 – Floor Console.)





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





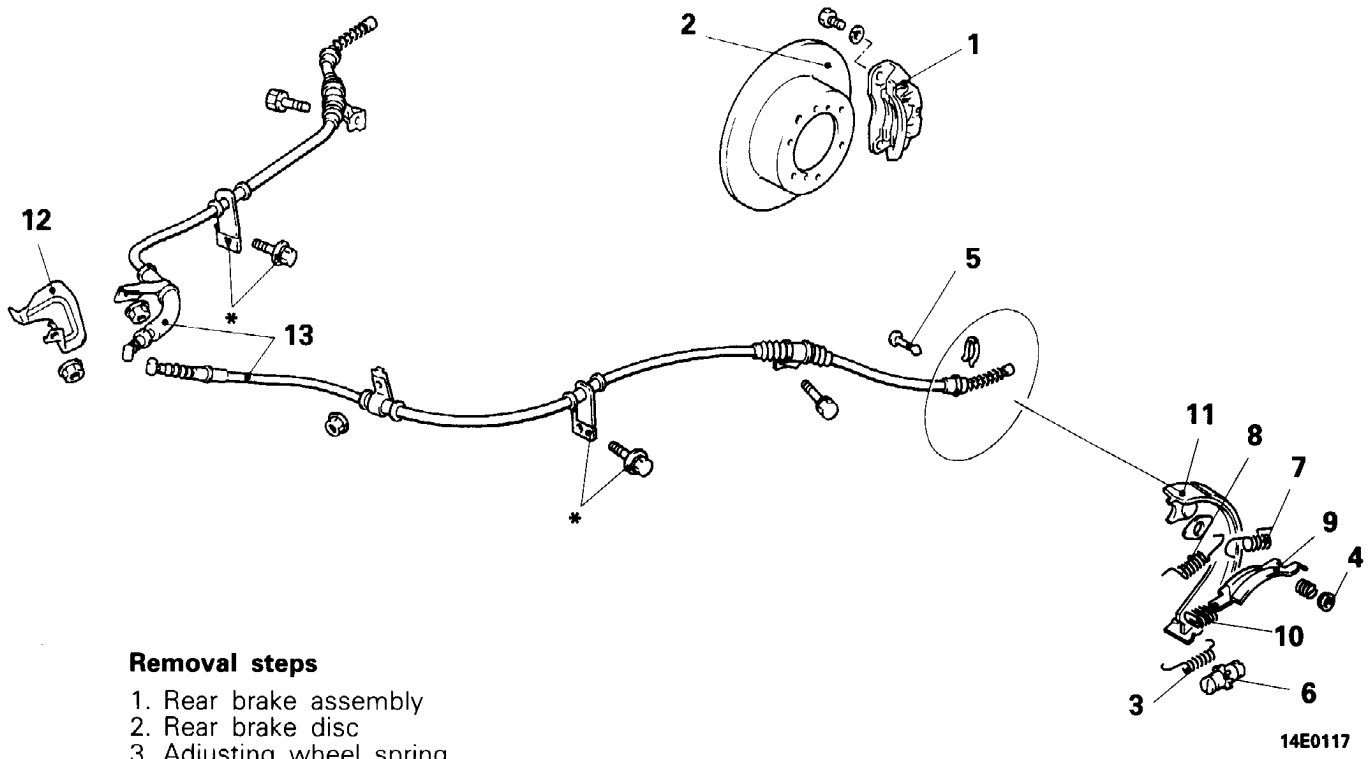
Removal steps
1. Connection for parking brake cable
2. Parking brake stay
3. Bushing
4. Parking brake shaft cover
5. Parking brake switch connector
6. Parking brake switch
7. Parking brake lever

PARKING BRAKE CABLE

REMOVAL AND INSTALLATION

E36KA--

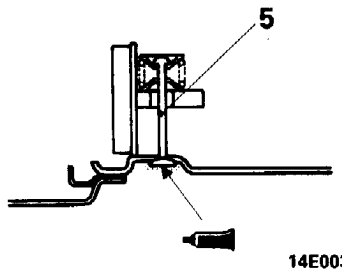
Post-installation Operation
- Adjustment of Parking Brake Lever Stroke (Refer to P.36-2.)



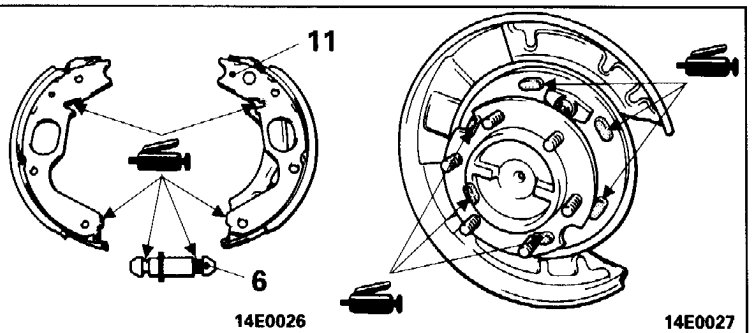
Removal steps

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

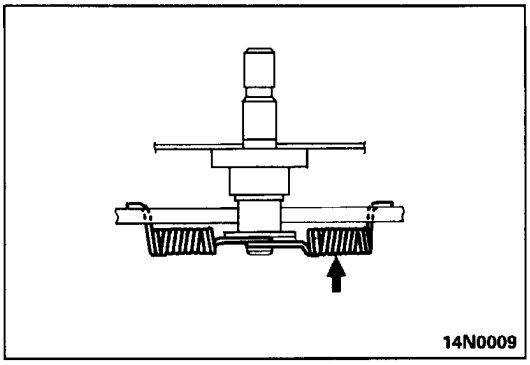
NOTE
* indicates 4-door models.



Sealant: 3M ATD Part No. 8513 or equivalent



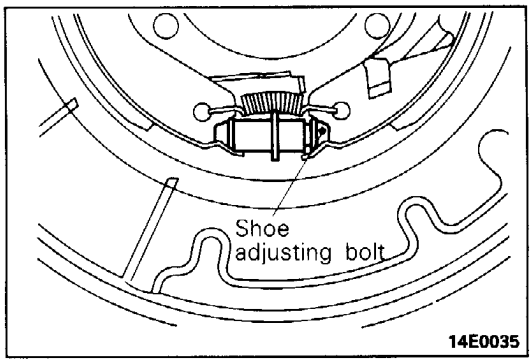
Brake grease: Brake grease SAE J310, NLGI No.1


14N0009

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.



14E0035

6. INSTALLATION OF ADJUSTER

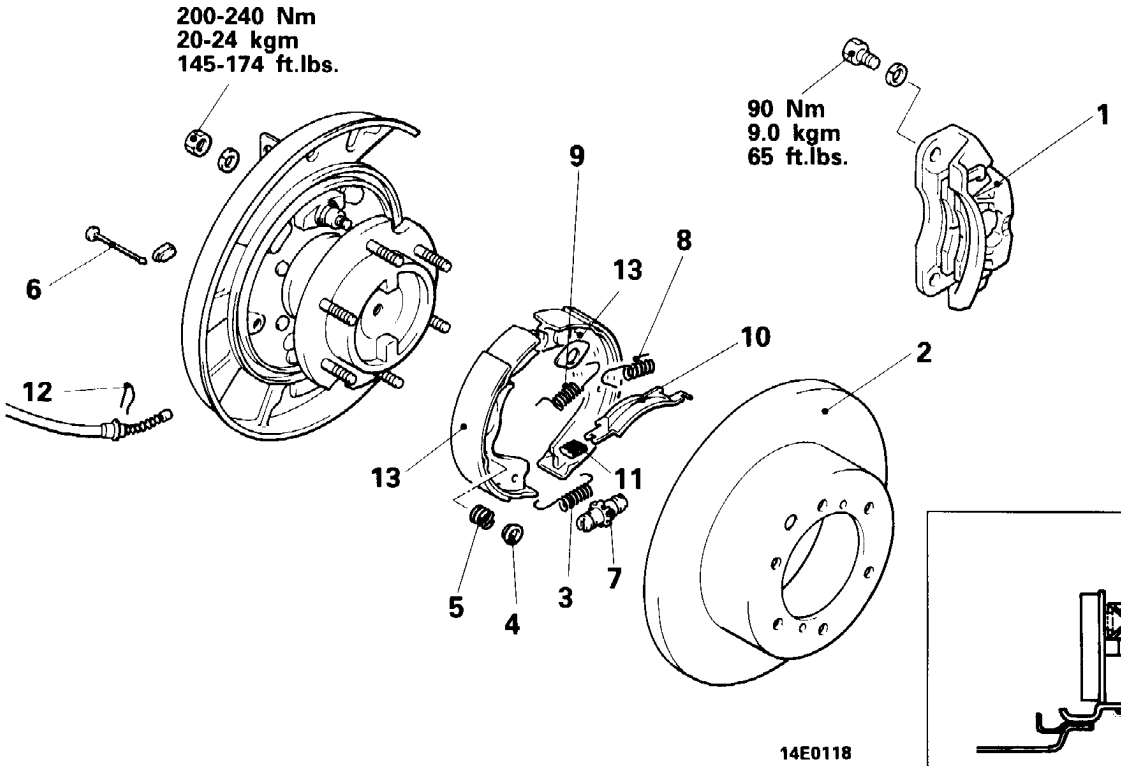
Install the adjuster so that the shoe adjusting bolt for the left-hand wheel is towards the rear of the vehicle, and the shoe adjusting bolt for the right hand wheel is towards the front of the vehicle. Shoe adjusting bolt

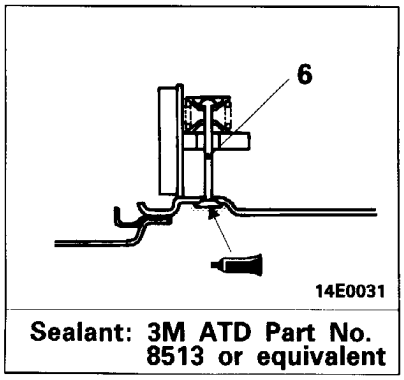
PARKING BRAKE DRUM

REMOVAL AND INSTALLATION

E36RA--

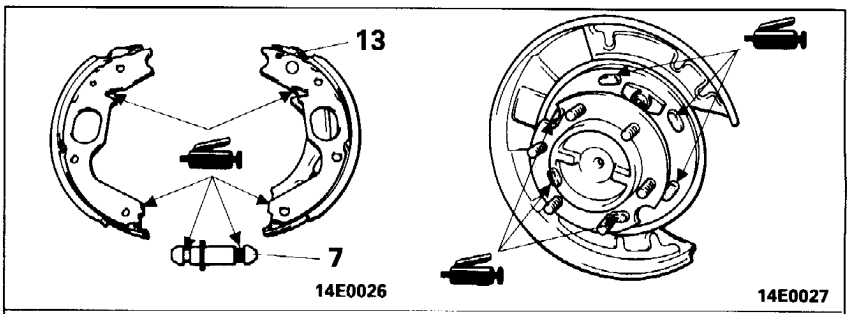
Post-installation Operation
- Lining running-in (Refer to P.36-3.)



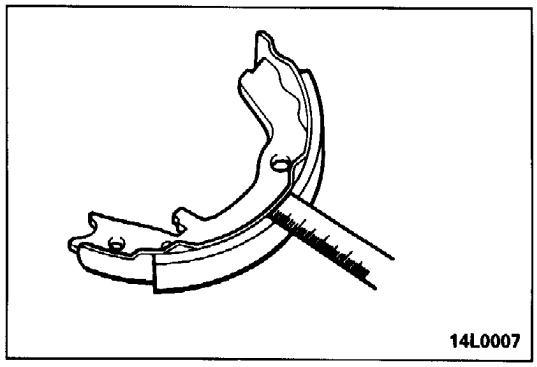


Sealant: 3M ATD Part No. 8513 or equivalent

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



INSPECTION

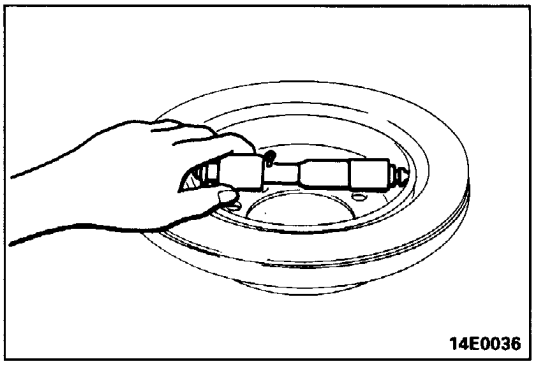
E36RCAB

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.

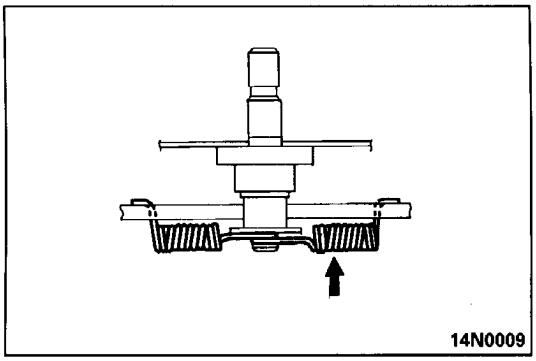

14E0036

(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


14N0009

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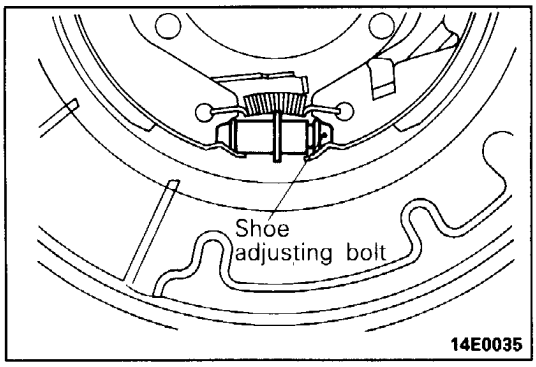

14E0035

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.