

9-8 BRAKES

To install:

5. Install the caliper over the rotor with the outer brake pad against the rotor's braking surface. This prevents pinching the piston boot between the inner brake pad and the piston.
6. Lubricate the locating pins and the inside of the locating pin insulators with silicone dielectric grease. Install the caliper locating pins and thread them into the spindle/anchor plate assembly by hand.
7. Tighten the caliper locating pins to 45–65 ft. lbs. (61–88 Nm).
8. Install new sealing washers on each side of the brake hose fitting outlet and install the hollow bolt, through the hose fitting and into the caliper. Tighten the bolt to 30 ft. lbs. (41 Nm).
9. Position the other end of the brake hose in the bracket and install the retaining clip. Make sure the hose is not twisted.
10. Remove the plug from the brake line, connect the brake line to the brake hose and tighten the fitting nut to 10–18 ft. lbs. (13–24 Nm).
11. Bleed the brake system, install the wheel and tire assembly and lower the vehicle.
12. Apply the brake pedal several times before moving the vehicle, to position the brake pads.
13. Road test the vehicle.

Rear

See Figures 28 and 29

1. Raise and safely support the vehicle.
2. Remove the rear wheel and tire assembly.
3. Remove the brake fitting retaining bolt from the caliper and disconnect the flexible brake hose from the caliper. Plug the hose and the caliper fitting.
4. Remove the caliper locating pins. Lift the caliper off the rotor and anchor plate using a rotating motion.

*** WARNING

Do not pry directly against the plastic piston or damage to the piston may occur.

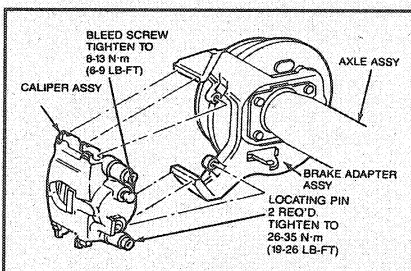


Fig. 28 Rear disc brake caliper removal

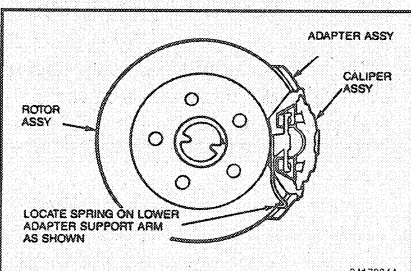


Fig. 29 Rear disc brake caliper installation

To install:

5. Position the caliper assembly above the rotor with the anti-rattle spring located on the lower adapter support arm. Install the caliper over the rotor with a rotating motion. Make sure the inner pad is properly positioned.
6. Install the caliper locating pins and start them in the threads by hand. Tighten them to 19–26 ft. lbs. (26–35 Nm).
7. Install the brake hose on the caliper with a new gasket on each side of the fitting outlet. Insert the retaining bolt and tighten to 30–40 ft. lbs. (40–54 Nm).
8. Bleed the brake system, install the wheel and tire assembly and lower the vehicle.
9. Pump the brake pedal prior to moving the vehicle to position the linings.
10. Road test the vehicle.

Brake Disc (Rotor)

REMOVAL & INSTALLATION

1988–91 Vehicles

See Figure 30

1. Raise and safely support the vehicle.
2. Remove the wheel and tire assembly.
3. Remove the caliper from the spindle and rotor, but do not disconnect the brake hose. Suspend the caliper inside the fender housing with a length of wire. Do not let the caliper hang by the brake hose.
4. Remove the grease cap from the hub and remove the cotter pin, nut retainer and adjusting nut.
5. Grasp the hub/rotor assembly and pull it out far enough to loosen the washer and outer wheel bearing. Push the hub/rotor assembly back onto the spindle and remove the washer and outer wheel bearing.
6. Remove the hub/rotor assembly from the spindle.
7. Inspect the rotor for scoring and wear. Replace or machine as necessary. If machining, observe the minimum thickness specification.

To install:

8. If the rotor is being replaced, remove the

protective coating from the new rotor with brake cleaner. Pack a new set of bearings with high-temperature wheel bearing grease and install the inner roller bearing in the inner cup. Pack grease lightly between the lips of a new seal and install the seal, using a seal installer.

9. If the original rotor is being installed, make sure the grease in the hub is clean and adequate, the inner bearing and grease seal are lubricated and in good condition, and the rotor braking surfaces are clean.

10. Install the hub/rotor assembly on the spindle. Keep the assembly centered on the spindle to prevent damage to the grease seal or spindle threads.

11. Install the outer wheel bearing, washer and adjusting nut. Adjust the wheel bearings according to the procedure in Section 8, then install the nut retainer, cotter pin and grease cap.

12. Install the caliper and the wheel and tire assembly. Lower the vehicle.

13. Apply the brake pedal several times before moving the vehicle, to position the brake pads.

1992–99 Vehicles

See Figures 31 thru 36

1. Raise and safely support the vehicle.
2. Remove the wheel and tire assembly.
3. Remove the caliper from the spindle and rotor, but do not disconnect the brake hose. Suspend the caliper inside the fender housing with a length of wire. Do not let the caliper hang by the brake hose.

4. Remove the rotor retaining push nuts, if equipped, and remove the rotor from the hub.

5. Inspect the rotor for scoring and wear. Replace or machine as necessary. If machining, observe the minimum thickness specification.

To install:

6. If the rotor is being replaced, remove the protective coating from the new rotor with brake cleaner. If the original rotor is being installed, make sure the braking surfaces are clean.

7. Install the rotor on the hub.

8. Install the caliper and the wheel and tire assembly. Lower the vehicle.

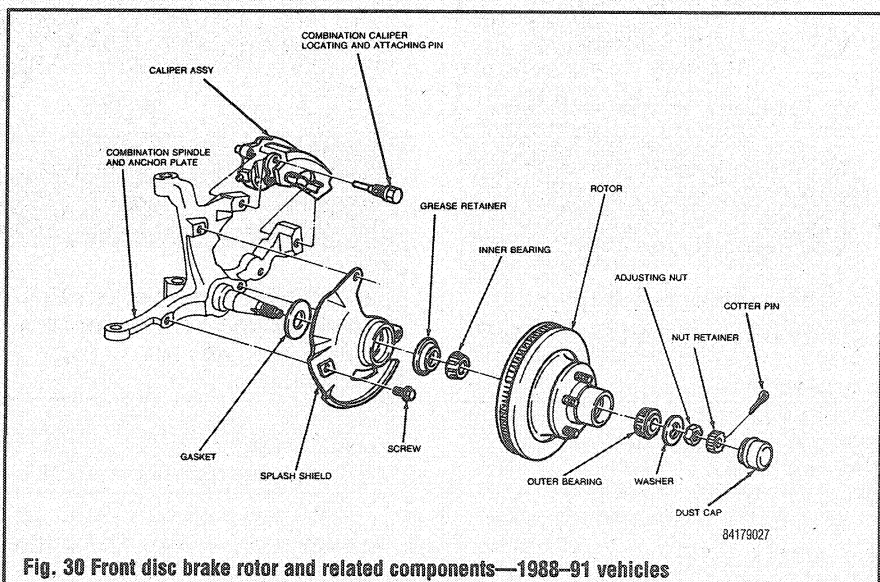


Fig. 30 Front disc brake rotor and related components—1988–91 vehicles