

Rear Brake Caliper

Reassembly

⚠ WARNING


- Never use an air hose or dry brush to clean brake assemblies.
- Use a vacuum cleaner to avoid breathing brake dust.
- Contaminated brake discs or pads reduce stopping ability.
- When reusing the pads, install them in their original positions to prevent loss of braking efficiency.

CAUTION:

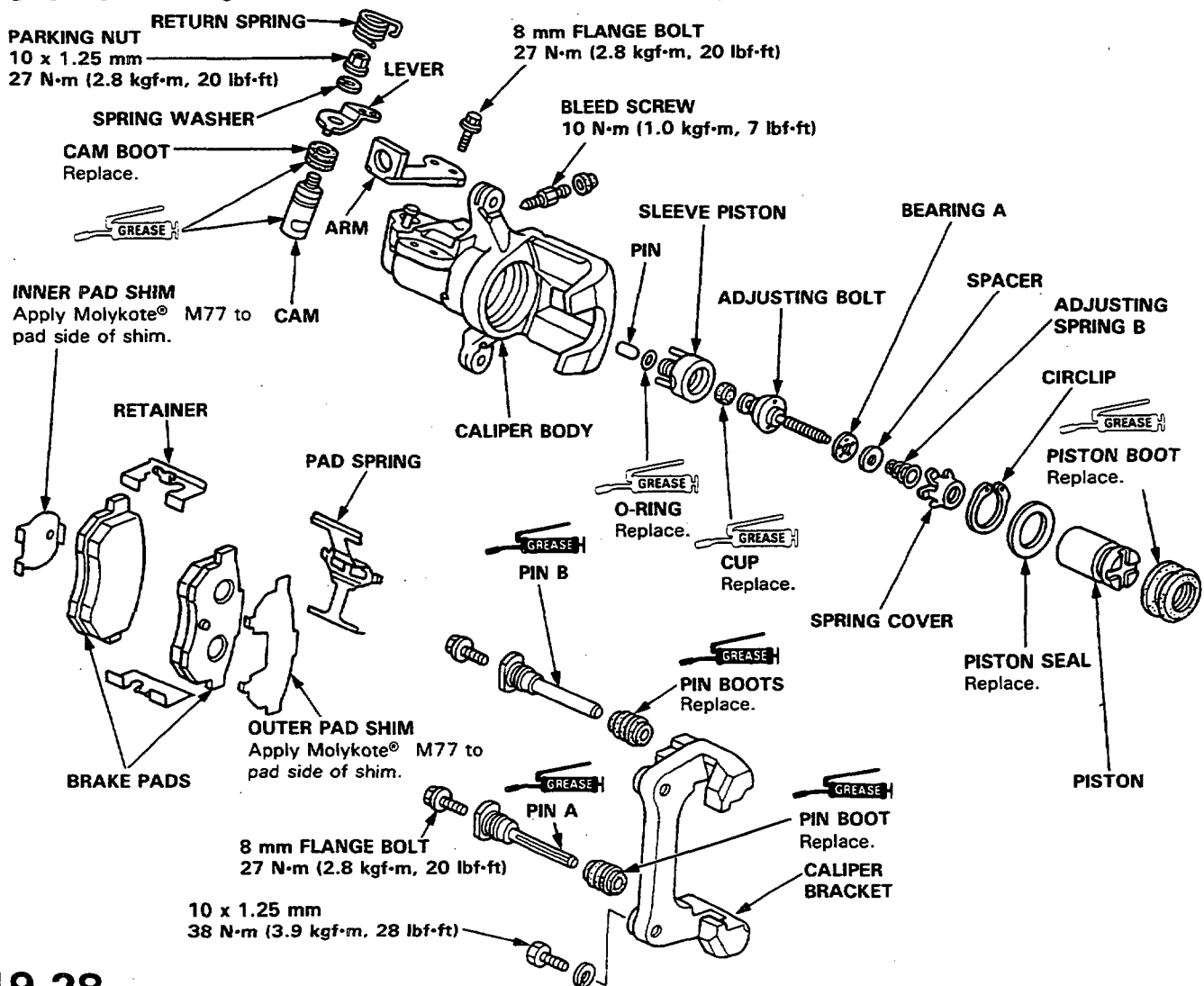
- Do not spill brake fluid on the car; it may damage the paint; if brake fluid does contact the paint, wash it off immediately with water.
- Clean all parts in brake fluid and air dry; blow out all passage with compressed air.
- Before reassembling, check that all parts are free of dust and other foreign particles.
- Replace parts with new ones whenever specified to do so.
- Make sure no dirt or other foreign matter is allowed to contaminate the brake fluid.
- Do not mix different brands of brake fluid as they may not be compatible.
- Do not reuse the drained fluid. Use only clean DOT 3 or 4 brake fluid.

NOTE:

- Coat piston and caliper bore with clean brake fluid.
- Replace all rubber parts with new ones whenever disassembled.

 : Brake cylinder grease (P/N: 08733-B020E) or equivalent rubber grease.

 : Silicon grease (SHIN ETSU G40M) or equivalent silicon grease.




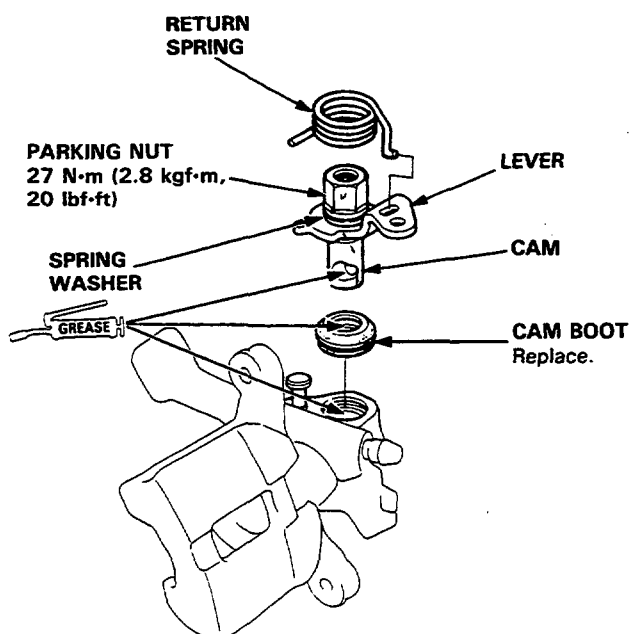


1. Pack all cavities of the needle bearing with the rubber grease.
2. Coat the new cam boot with the rubber grease, and install it in the caliper body.
3. Apply the rubber grease to the pin contacting area of the cam, and install the cam and lever assembly into the caliper body.
4. Install the return spring.

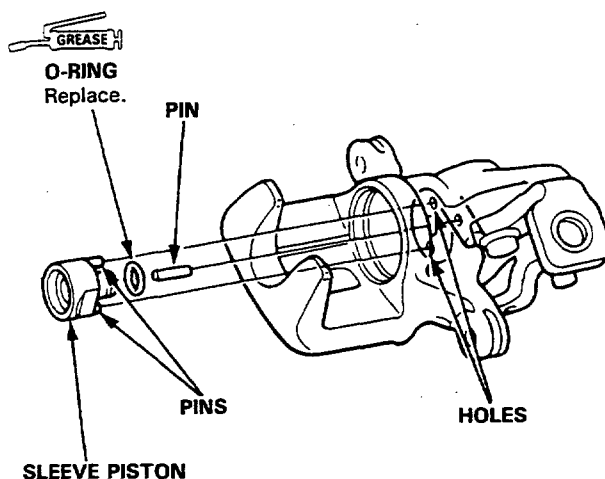
CAUTION:

- When the cam and lever were separated, be sure to assemble them before installing the cam in the caliper body. Install the lever and spring washer, apply locking agent to the threads, and tighten the parking nut while holding the lever with a vise.
- Avoid damaging the cam boot since it must be installed before the cam.
- When installing the cam, do not allow the cam boot lips to turn outside in.

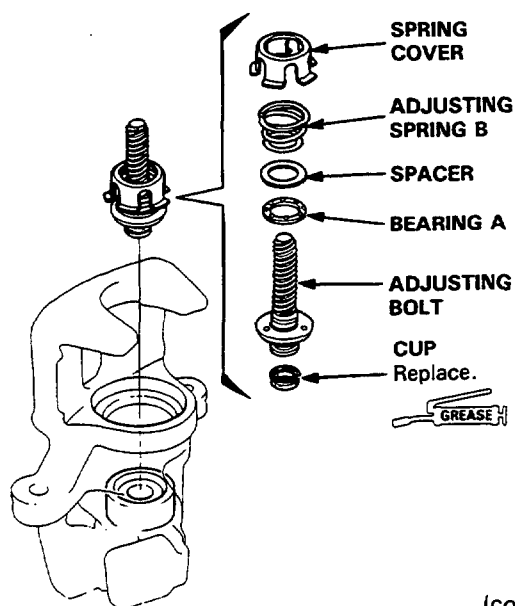
 : Brake cylinder grease (P/N: 08733-BO20E) or equivalent rubber grease.



5. Install the pin in the cam.
6. Apply the rubber grease to the new O-ring, and install it on the sleeve piston.
7. Install the sleeve piston so the hole in the bottom of the piston is aligned with the pin in the cam, and the two pins on the piston are aligned with the holes in the caliper.



8. Coat a new cup with rubber grease, and install it with its groove facing the bearing A side of the adjusting bolt.
9. Fit the bearing A, spacer, adjusting spring B and spring cover on the adjusting bolt, and install them in the caliper cylinder.

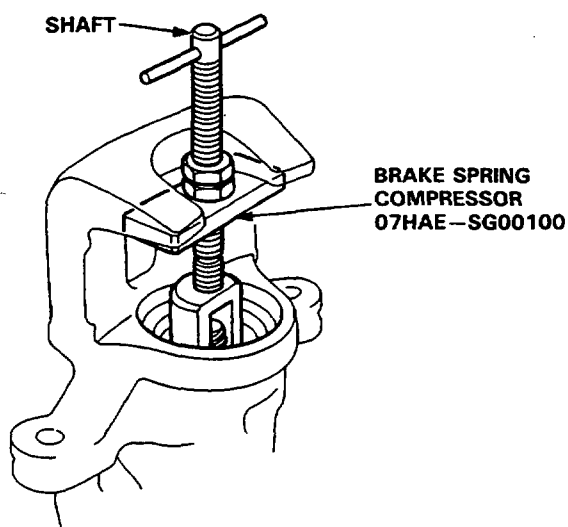


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Rear Brake Caliper

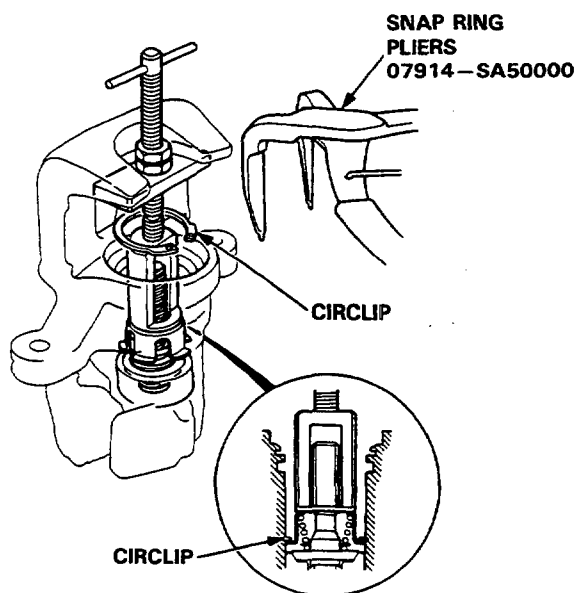
Reassembly (cont'd)

10. Install the special tool on the spring cover, and turn the shaft until the locknut contacts the plate.



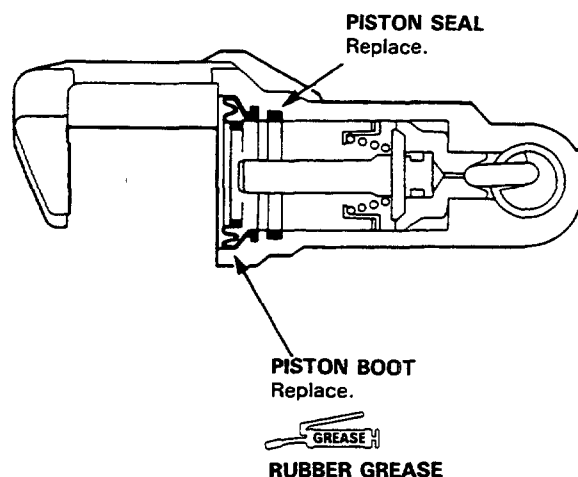
11. Check that the flared end of the spring cover is below the circlip groove.
12. Install the circlip in the groove, then remove the special tool.

NOTE: Check that the circlip is seated in the groove properly.



13. Coat a new piston seal with assembly fluid (BRITISH PETROLEUM BREOX BCF 11S), and install it in the caliper.

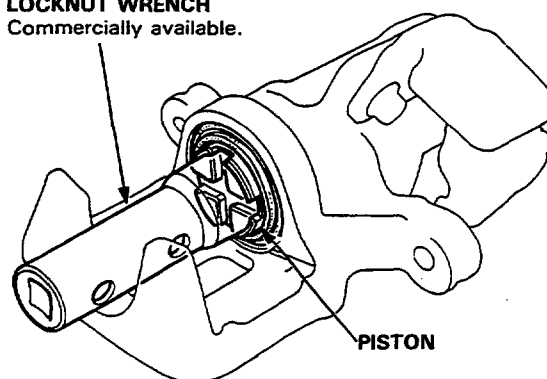
14. Apply brake cylinder grease (P/N: 08733-B020E) or equivalent rubber grease to the sealing lips and inside of a new piston boot, and install it in the caliper.



15. Coat the outside of the piston with brake fluid, and install it on the adjusting bolt while rotating it clockwise with the special tool.

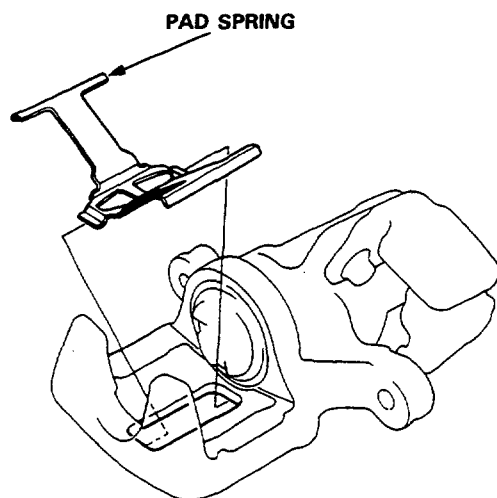
CAUTION: Avoid damaging the piston and piston boot.

LOCKNUT WRENCH
Commercially available.





16. Install the pad spring on the caliper.

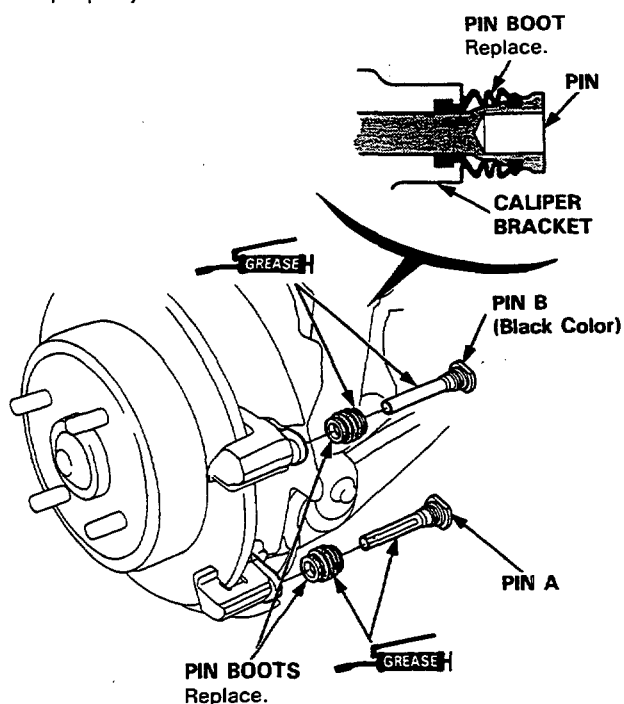


17. Apply the silicon grease (SHIN ETSU G40M) or equivalent grease to the sliding surface of the pins and inside the new pin boots.

18. Install the pin boots into the groove in the caliper bracket properly.

19. Insert the pin A and pin B into the caliper bracket.

20. Install the pin boots into the grooves in the pins properly.

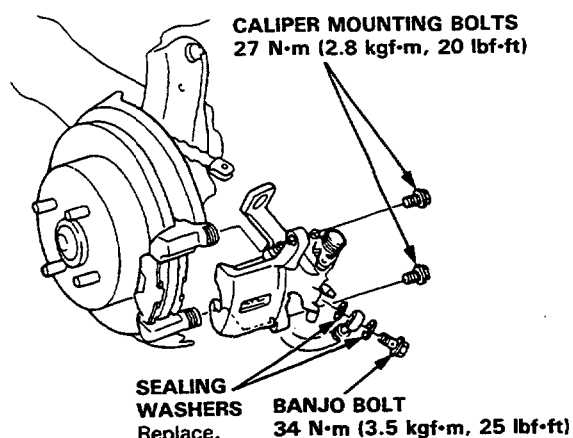


21. Install the brake pad retainers and brake pads (see page 19-22).

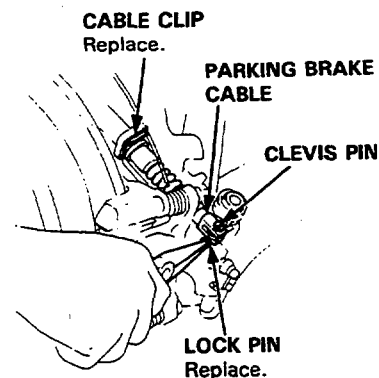
22. Align the cutout in the piston with the tab on the inner pad (see page 19-23).

23. Install the caliper on the caliper bracket, and tighten the caliper mounting bolts.

24. Connect the brake hose to the caliper with new sealing washers, and tighten the banjo bolt.



25. Insert the cable through the arm, and connect the cable to the lever with the clevis pin and lock pin. Install the cable clip securely.



26. Fill the brake reservoir and bleed the brake system (see page 19-6).

27. Operate the brake pedal several times, then adjust the parking brake (see page 19-5).

28. After installation, perform the following checks.

- Check for leaks at hose and line joints or connections, and retighten if necessary.
- Check the parking brake lever for operation, and adjust it if necessary.