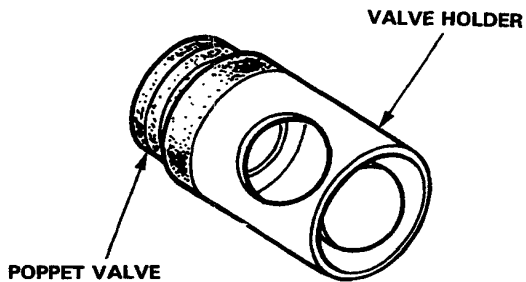


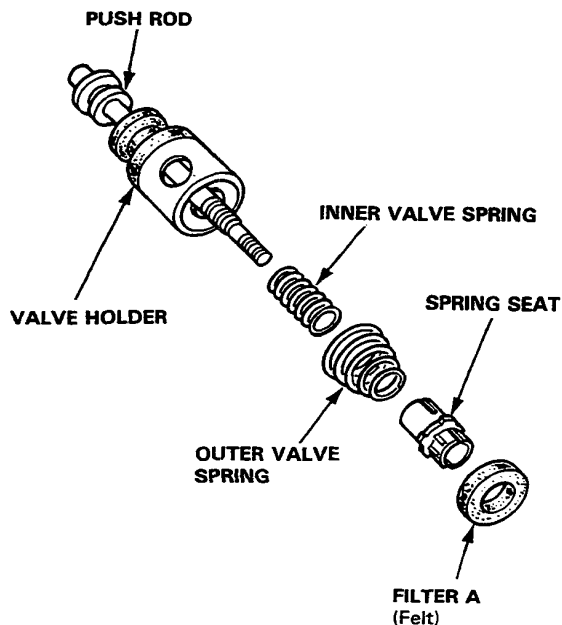
Brake Booster

Reassembly

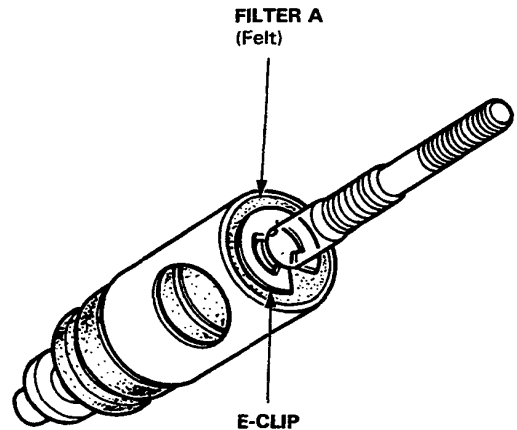
1. Install the poppet valve on the valve holder.



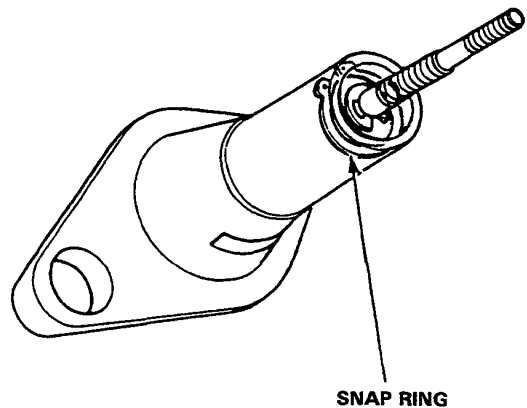
2. Install the valve holder, inner valve spring, outer valve spring and spring seat on the push rod.



3. Install filter A and the E-clip on the push rod.

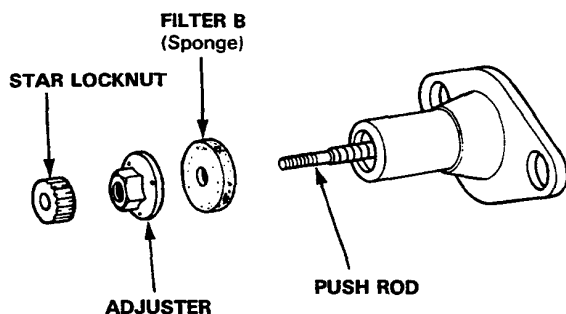


4. Apply silicone grease to the inner and outer surfaces of the tube of valve holder. Press the push rod assembly into the tube of valve holder, and install the push rod retainer.

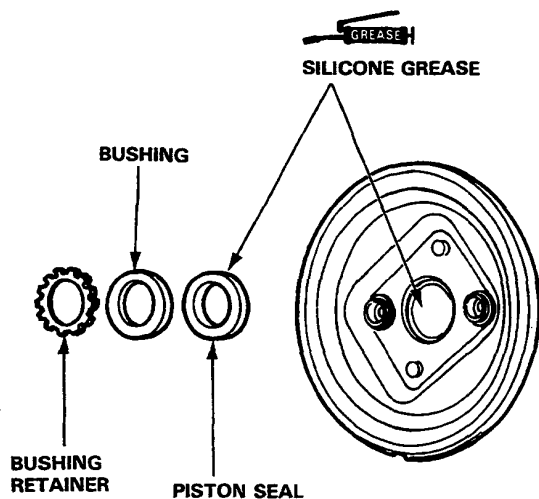




5. Slip filter B (sponge) over the end of the push rod. Thread the adjuster and star locknut onto the push rod but do not tighten.



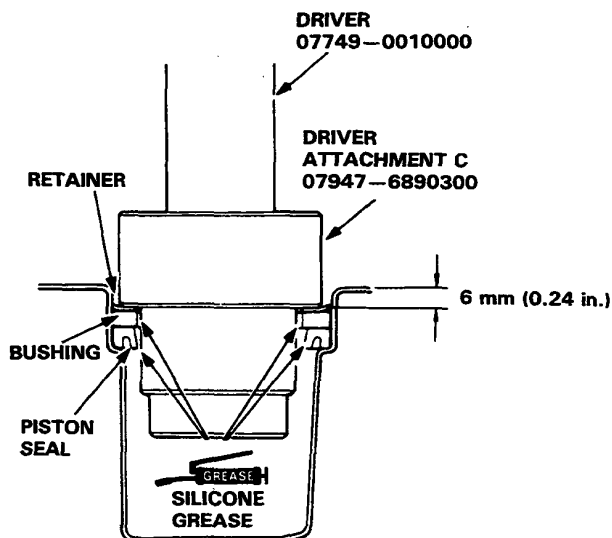
6. Apply silicone grease to piston seal, then set the seal in position on the housing.



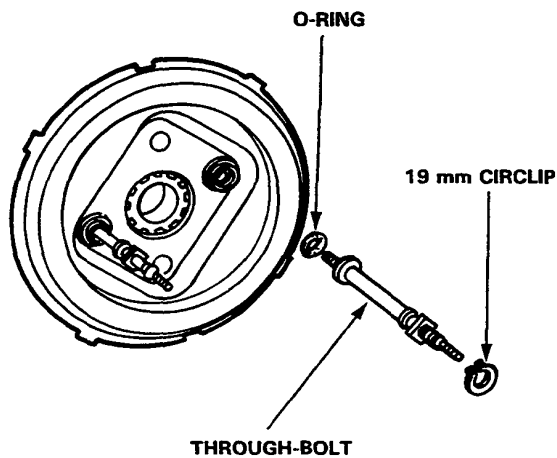
NOTE: Make sure the lip of the seal is facing in, as shown in drawing below.

7. Install the piston seal and bushing in the rear housing, and gently drive the retainer in until it is 6 mm below the edge of the rear housing.

CAUTION: If you drive in the retainer more than 6 mm, you may distort the piston seal.



8. Install both through-bolts, using the O-rings and 19 mm circlip.

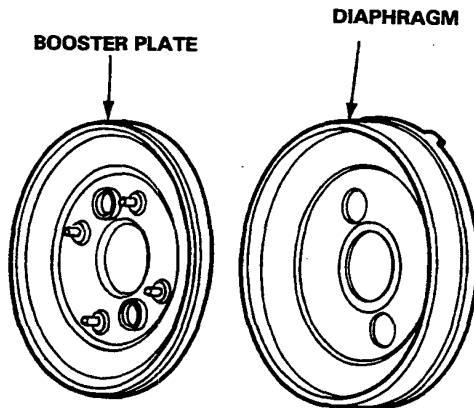


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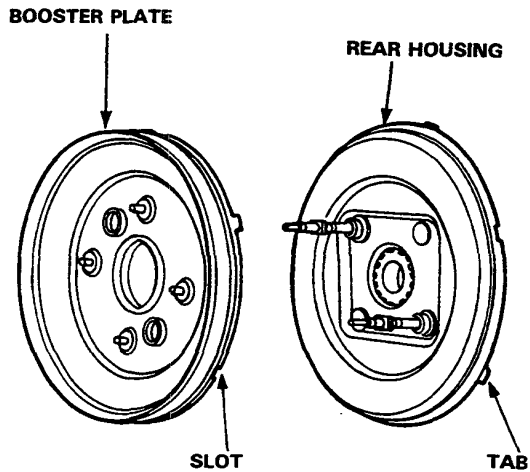
Brake Booster

Reassembly (cont'd)

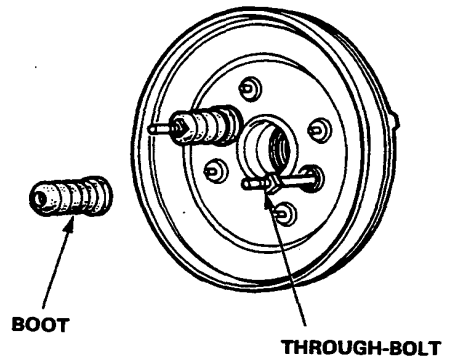
9. Install the diaphragm on the booster plate.



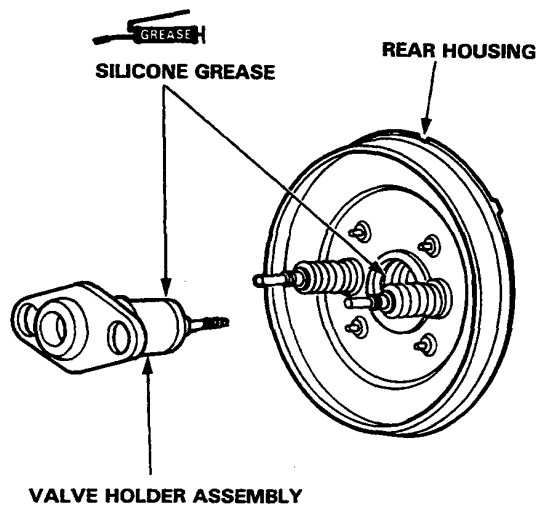
10. Attach the booster plate to the rear housing, aligning their tabs and slots.



11. Install the boots on the through-bolts.

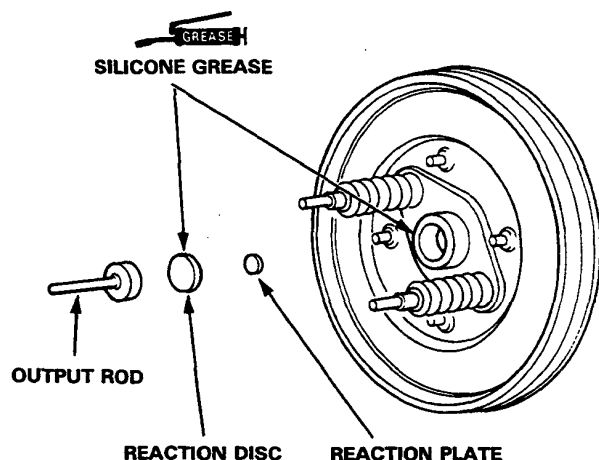


12. Apply silicone grease to the bore of the rear housing and the outer surface of the valve holder assembly. Install the valve holder assembly in the rear housing.

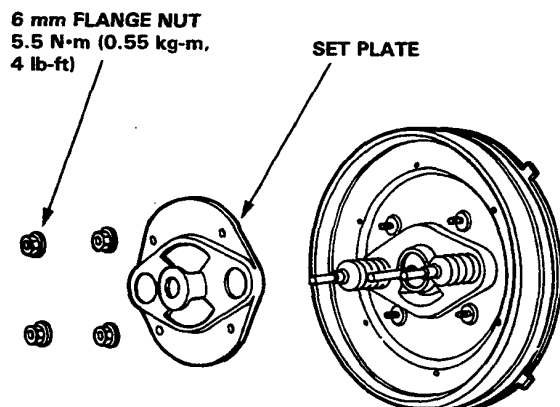




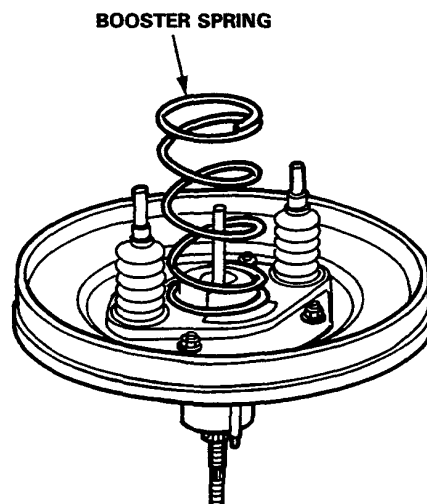
13. Apply silicone grease to the bore of the valve body, then install the reaction plate, reaction disc and output rod.



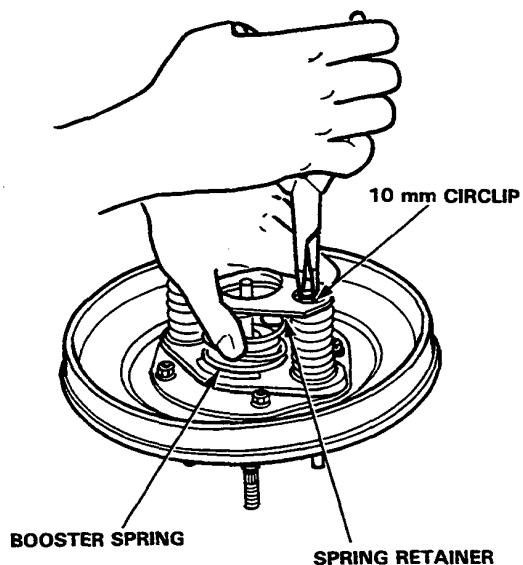
14. Install the set plate, and tighten the four 6 mm flange nuts.



15. Install the booster spring.



16. Install the spring retainer by compressing the booster spring, and installing the 10 mm circlip on the through bolts.

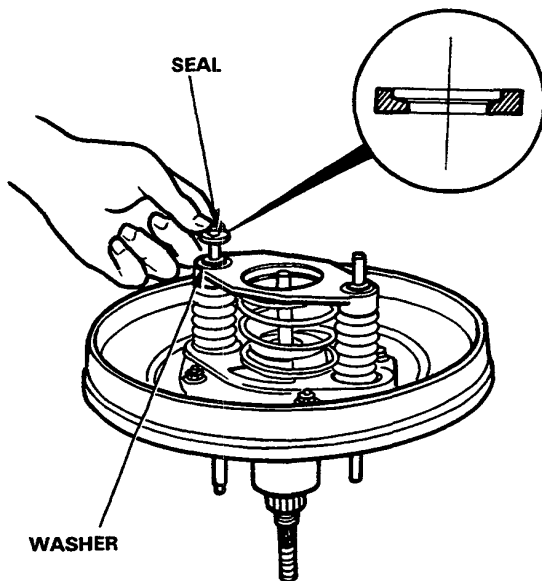


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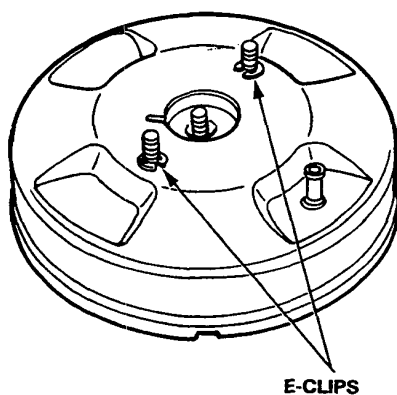
Brake Booster

Disassembly (cont'd)

17. Install the washers and seals.



18. Assemble the front and rear housings.
Press down on the front housing, then install the E-clips on the through bolts.



Pushrod Adjustment

Install the locknut and pushrod yoke on the pushrod, adjust the pushrod length as shown.

