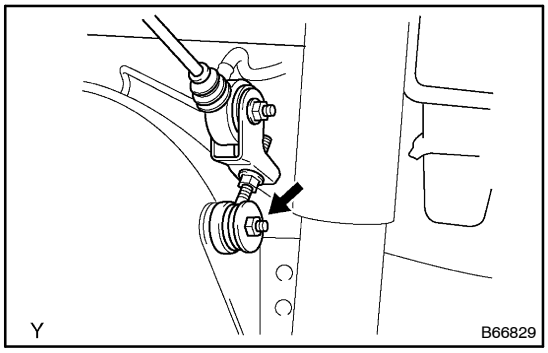
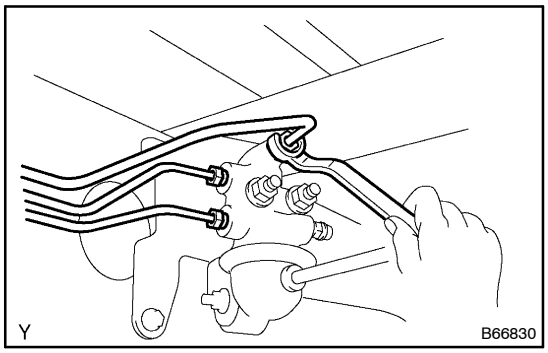
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REPLACEMENT



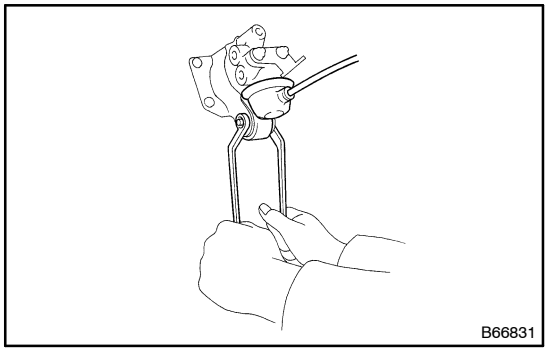
1. DISCONNECT NO.2 SHACKLE

(a) Remove the nut and cushion retainer from the bracket.
(b) Disconnect the No. 2 shackle from the bracket.
(c) Remove the 2 cushions and collar.



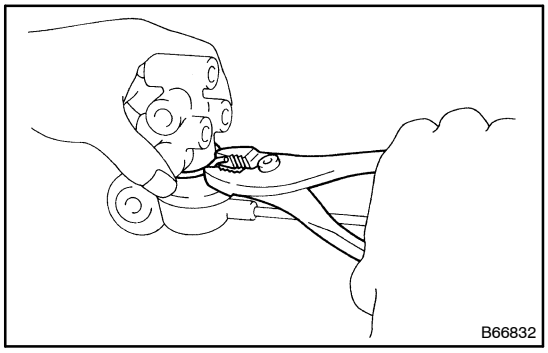
2. REMOVE LOAD SENSING PROPORTIONING VALVE

(a) Using SST, disconnect the 3 brake lines from the valve body.
SST 09751–36011
(b) Remove the 3 valve bracket mounting bolts and LSPV.



3. REMOVE VALVE BRACKET

(a) Remove the bolt, nut and 2 plate washers.
(b) Remove the 2 nuts and bracket from the valve body.

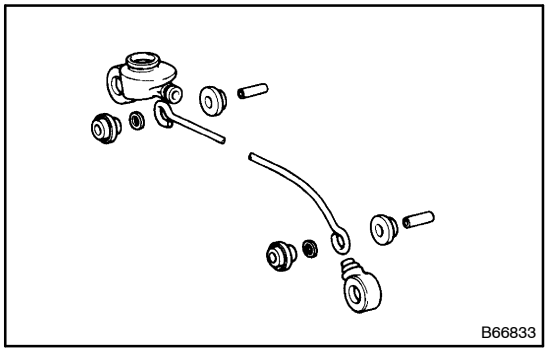


4. REMOVE LOAD SENSING SPRING ASSY

Using pliers, remove the clip and load sensing spring assembly from the valve body.

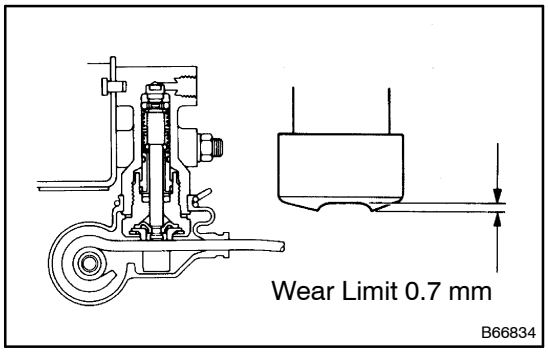
5. REMOVE NO. 1 AND NO. 2 SHACKLES

(a) Remove the bolt, nut, 2 plate washers, No. 1 shackle and No.2 shackle assembly.
(b) Loosen the lock nut.
(c) Remove the nut, No. 2 shackle and washer from the No. 1 shackle.
(d) Remove the lock nut.


B66833

6. REMOVE LOAD SENSING SPRING

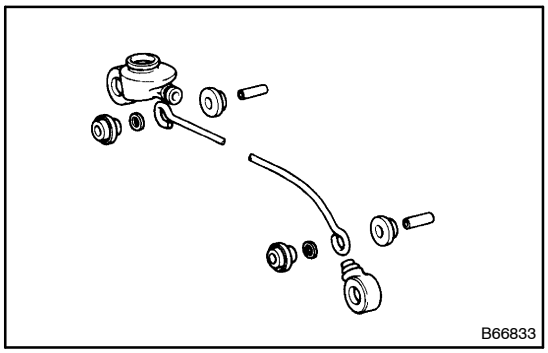
(a) Remove the 4 bushes, 2 collars and 2 rubber plates from the load sensing spring.
(b) Remove the load sensing valve boot.
(c) Remove the load sensing spring boot.



B66834

7. INSPECT VALVE PISTON PIN AND LOAD SENSING SPRING CONTACT SURFACE FOR WEAR

Wear limit: 0.7 mm (0.028 in.)

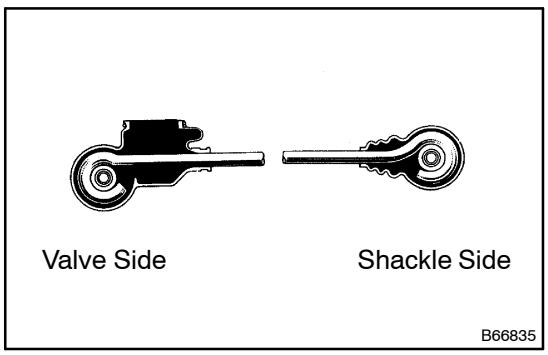

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8. INSTALL LOAD SENSING SPRING

(a) Install the load sensing spring boot.
(b) Install the load sensing valve boot.
(c) Install the 2 rubber plates, 2 collars and 4 bushes.

HINT:

- Apply lithium soap–base glycol grease to all rubbing areas.



B66835

- Do not mistake the valve side for the shackle side of the load sensing spring.

9. INSTALL NO. 1 AND NO. 2 SHACKLES

(a) Install the lock nut, washer, No. 1 shackle and nut to the No. 2 shackle.
(b) Install the shackle assembly and 2 plate washers with the bolt and nut.
Torque: 12.5 N·m (130 kgf·cm, 9 ft·lbf)

10. INSTALL LOAD SENSING SPRING ASSY

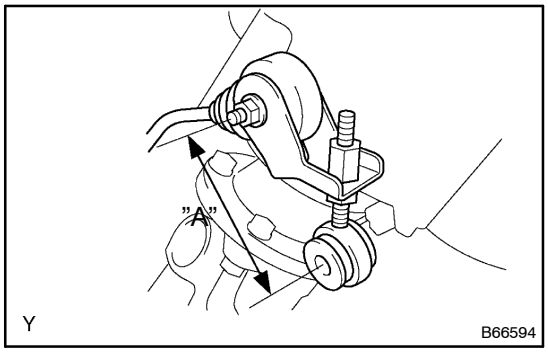
(a) Install the spring to the load sensing valve with a clip.

11. INSTALL VALVE BRACKET

(a) Place the valve bracket to the valve assembly, and temporarily install the 2 valve body mounting nuts.

(b) Install the load sensing spring assembly and 2 plate washers with the bolt and nut.

Torque: 12.5 N·m (130 kgf·cm, 9 ft·lbf)



12. INSTALL LOAD SENSING PROPORTIONING VALVE

(a) Install the LSPV assembly to the frame with the 3 bolts.

25 N·m (260 kgf·cm, 19 ft·lbf)

13. ADJUST SHACKLE

(a) Set the dimension "A" by turning the No. 2 shackle.

Initial set: 78 mm (3.07 in.)

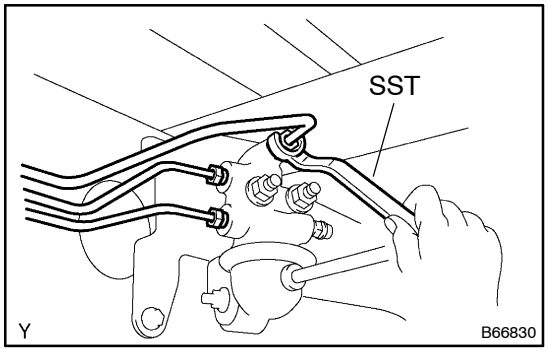
(b) Tighten the lock nut.

Torque: 12.5 N·m (130 kgf·cm, 9 ft·lbf)

(c) Install the 2 cushions and collar to the No. 2 shackle.

(d) Install the No. 2 shackle to the shackle bracket with the cushion retainer and nut.

Torque: 12.5 N·m (130 kgf·cm, 9 ft·lbf)



14. CONNECT BRAKE LINE

(a) Using SST, connect the brake lines.

SST 09751–36011

Torque: 15 N·m (155 kgf·cm, 11 ft·lbf)

15. SET REAR AXLE LOAD

16. SET VALVE BODY

(a) When pulling down the load sensing spring, confirm that the valve piston moves down smoothly.

(b) Position the valve body so that valve piston lightly contacts the load sensing spring.

(c) Tighten the 2 valve body mounting nuts.

Torque: 12.5 N·m (130 kgf·cm, 9 ft·lbf)

17. BLEED BRAKE LINE (See page 32–4)

18. CHECK FLUID LEVEL IN RESERVOIR (See page 32–4)

19. INSPECT FOR LEAKS