

- (f) Install the torque plate onto the knuckle.
Torque: 147 N·m (1,500 kgf·cm, 108 ft·lbf)

CALIPER INSTALLATION

BR1EP-01

Installation is in the reverse order of removal.
**AFTER INSTALLATION, FILL BRAKE RESERVOIR
WITH BRAKE FLUID, BLEED BRAKE SYSTEM (See
Pub. No. RM156E on page BR-7) AND CHECK FOR
LEAKS**

BR

LOAD SENSING PROPORTIONING AND BY-PASS VALVE (LSP & BV) FLUID PRESSURE CHECK AND ADJUSTMENT

BR1EG-01

1. SET REAR AXLE LOAD

Rear axle load (include vehicle weight):
1,100 kgf (2,425 lbf)

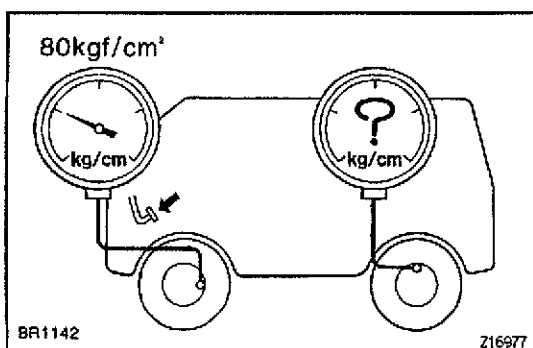
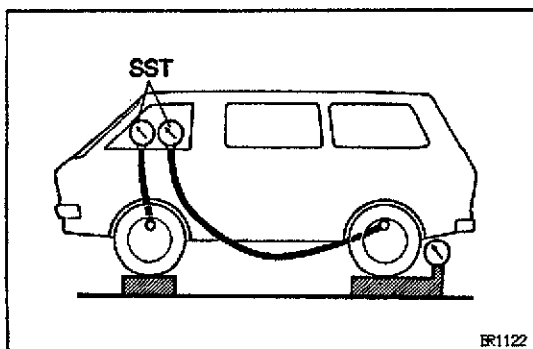
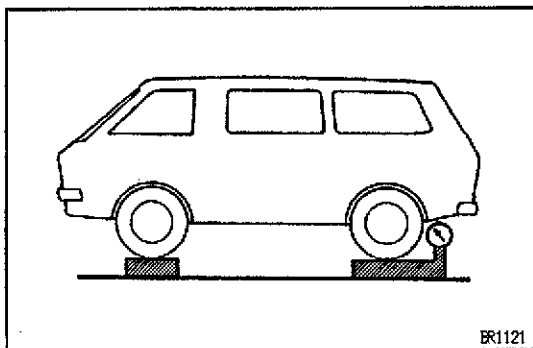
2. INSTALL LSPV GAUGE (SST) AND BLEED AIR SST 09709-29017

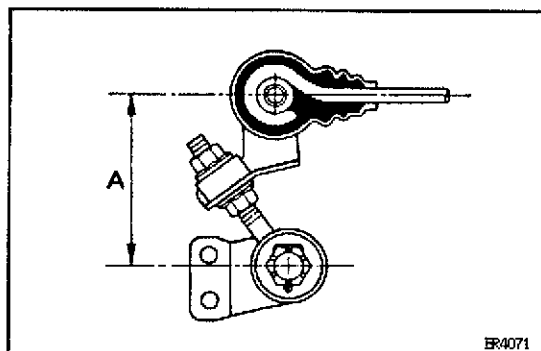
3. RAISE FRONT BRAKE PRESSURE TO 7,845 kPa (80 kgf/cm², 1,138 psi) AND CHECK REAR BRAKE PRE- SSURE

Rear brake pressure:

4,795 ± 588 kPa (48.9 ± 6 kgf/cm², 696 ± 85 psi)

HINT: The brake pedal should not be depressed twice
and/or returned while setting to the specified pres-
sure. Read the value of rear pressure 2 seconds after
adjusting the specified fluid pressure.




4. IF NECESSARY, ADJUST FLUID PRESSURE

- (a) Adjust the length of the shackle No.2.

Low pressure — Lengthen A

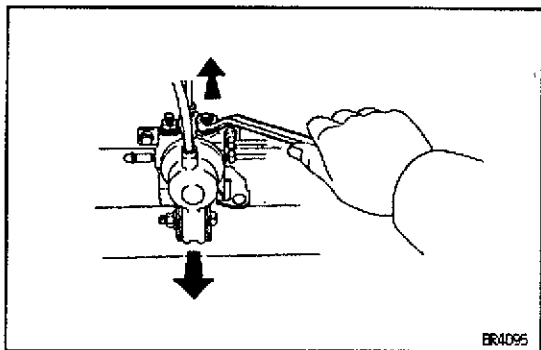
High pressure — Shorten A

Initial set: 78 mm (3.07 in.)

Adjusting range: 72 — 84 mm (2.83 — 3.31 in.)

HINT: One turn of the nut changes the fluid pressure about following specification:

167 kPa (1.7 kgf/cm², 24 psi)



- (b) In event pressure cannot be adjusted by the shackle No.2, raise or lower the valve body.

Low pressure — Lower

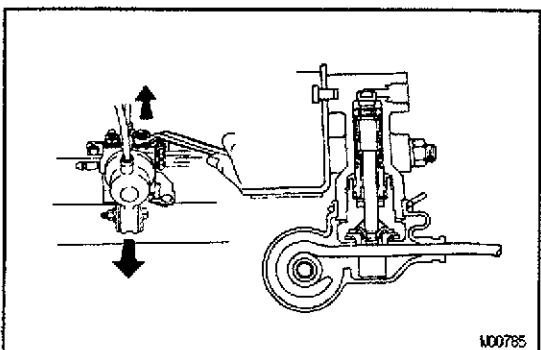
High pressure — Raise

- (c) Torque the nuts.

Torque: 13 N·m (130 kgf·cm, 9 ft·lbf)

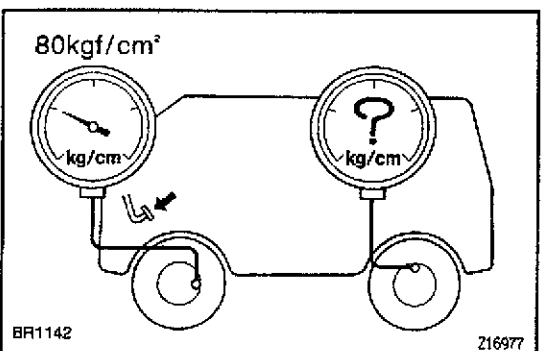
- (d) Adjust the length of the shackle No.2 again.

If it cannot be adjusted, inspect the valve housing.


5. IF NECESSARY, CHECK VALVE BODY

- (a) Assemble the valve body in the uppermost position.

HINT: When the brakes are applied, the piston will move down about 1 mm (0.04 in.). Even at this time, the piston should not make contact with or move the load sensing spring.



- (b) In this position, check the rear brake pressure.

Front brake pressure kPa (kgf/cm ² , psi)	Rear brake pressure kPa (kgf/cm ² , psi)
981 (10, 142)	981 (10, 142)
2,942 (30, 427)	1,079—1,471 (11—15, 156—213)
5,884 (60, 853)	1,373—2,059 (14—21, 199—299)

If the measured value is not within the standard, replace the valve body.