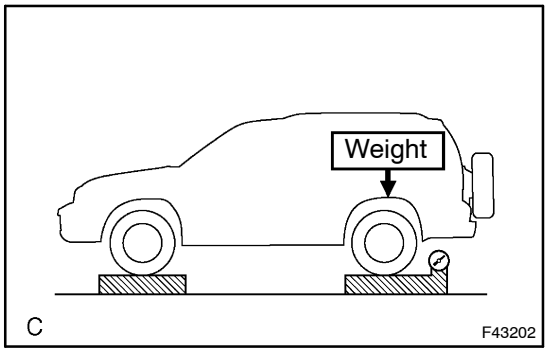
LOAD SENSING W/SPRING VALVE ASSY

320QQ–01

ON–VEHICLE INSPECTION



1. INSPECT LOAD SENSING W/SPRING VALVE ASSY

(a) Set the vehicle to its curb weight.

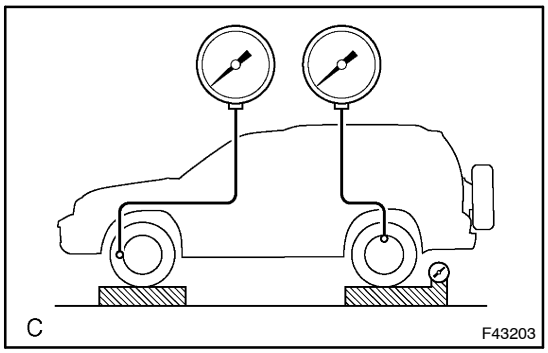
(b) Place some weight on the rear deck until the rear axle road becomes the value on the table below.

Standard:

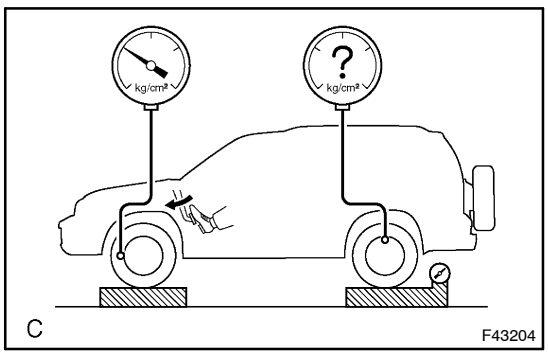
Vehicle type	Rear axle load
3 Door	1,050 kg (2,315 lb)
5 Door	1,100 kg (2,425 lb)

NOTICE:

- **Be sure to place the vehicle on a level surface before the procedure.**
- **When placing the weight on, place it approx. 60 kg (132 lb) heavier than the specified value first, and then adjust the value by removing the weight.**



(c) Set the SST, and bleed the brake system.
SST 09709–29018



(d) Raise the front brake fluid pressure to 8,000 kPa (86.1 kgf/cm^2, 1,160 psi) when the brake pedal is depressed, check the rear brake fluid pressure.

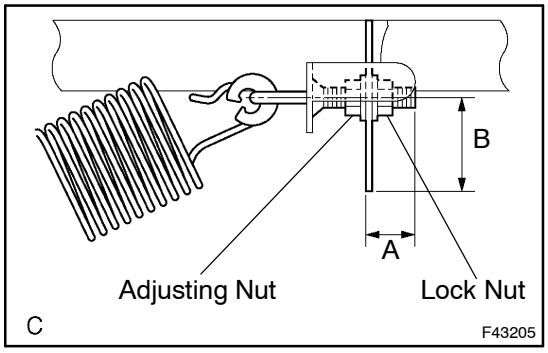
Standard:

Vehicle type	Rear brake fluid pressure
3 Door	3,400 ± 600 kPa (34.7 ± 6.1 kgf/cm^2, 493 ± 87 psi)
5 Door	4,400 ± 600 kPa (44.9 ± 6.1 kgf/cm^2, 638 ± 87 psi)

HINT:

The brake pedal should not be depressed twice and/or returned while the specified pressure is being set. Read the value of rear pressure after holding the specified fluid pressure for 2 seconds after adjusting the specified fluid pressure.

If necessary, adjust load sensing w/ spring value assy.



2. ADJUST LOAD SENSING W/SPRING VALUE ASSY

(a) Loosen the lock nut.

(b) Adjusting the rear brake fluid pressure by changing the "A" or "B" length.

(1) Low pressure – Lengthen "A" or "B"

(2) High pressure – Shorten "A" or "B"

HINT:

The rear brake fluid pressure changes to the value on the table below by adjusting the value of "A" or that "B".

Vehicle type	For one turn of the adjusting nut "A"	For 1 mm (0.039 in.) of the "B" length
3 Door	160 kPa (1.6 kgf/cm^2, 23 psi)	40 kPa (0.4 kgf/cm^2, 5.8 psi)
5 Door	170 kPa (1.7 kgf/cm^2, 25 psi)	10 kPa (0.1 kgf/cm^2, 1.5 psi)

(c) Tighten the lock not.

Torque: 12.7 N·m (130 kgf·cm, 9 ft·lbf)