

INSPECTION

1. CHECK FLUID LEVEL

- Keep the vehicle level.
- With the engine stopped, check the fluid level in the oil reservoir.

If necessary, add fluid.

Fluid: ATF DEXRON® II or III

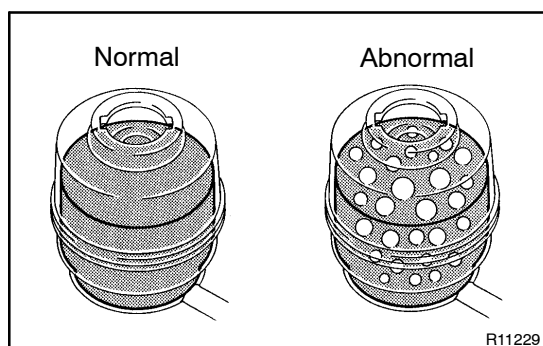
HINT:

Check that the fluid level is within the HOT LEVEL range on the reservoir.

If the fluid is cold, check that it is within the COLD LEVEL range.

- Start the engine and run it at idle.
- Turn the steering wheel from lock to lock several times to boost fluid temperature.

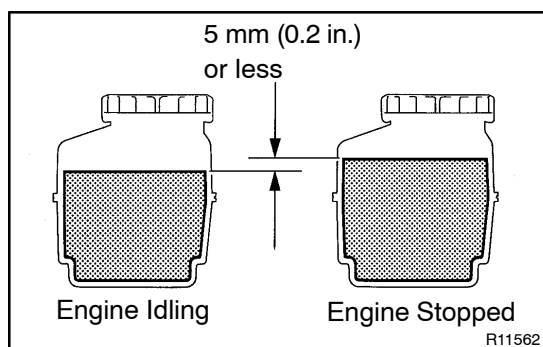
Fluid temperature: 80°C (176°F)



- Check for foaming or emulsification.

If there is foaming or emulsification, bleed power steering system.

(See page [SR-4](#))



- With the engine idling, measure the fluid level in the oil reservoir.

- Stop the engine.

- Wait a few minutes and remeasure the fluid level in the oil reservoir.

Maximum fluid level rise: 5 mm (0.20 in.)

If a problem is found, bleed power steering system.

(See page [SR-4](#))

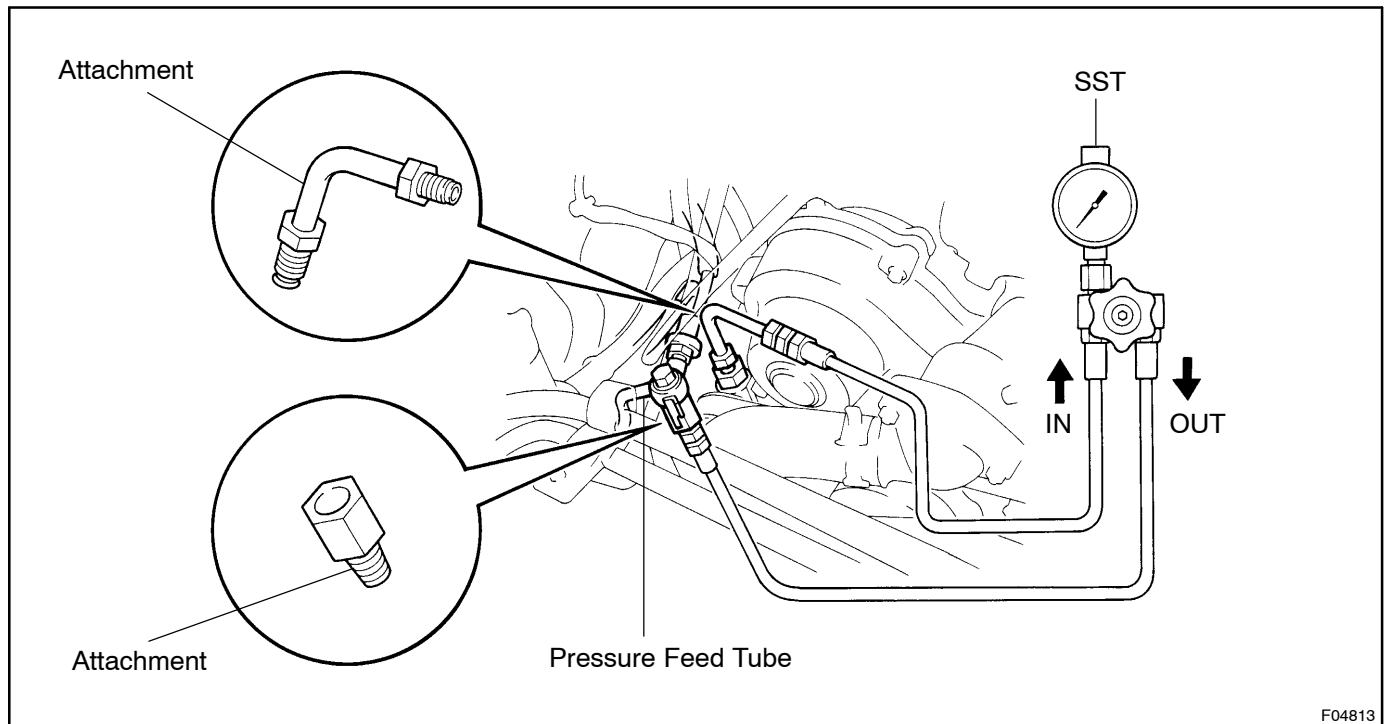
- Check the fluid level.

2. CHECK STEERING FLUID PRESSURE

- (a) Remove the air cleaner assembly with air cleaner hose.
(See page [SR-26](#))
- (b) Disconnect the pressure feed tube from the PS vane pump.
(See page [SR-26](#))
- (c) Connect SST, as shown below.
SST 09640-10010 (09641-01010, 09641-01030, 09641-01060)

NOTICE:

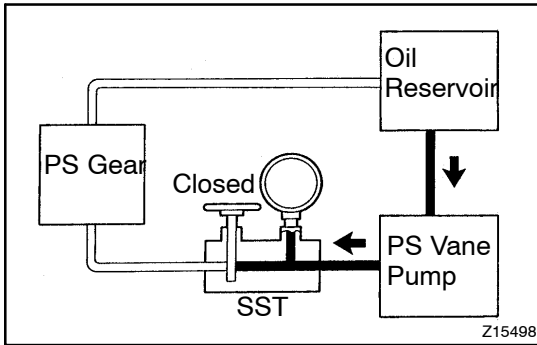
Check that the valve of the SST is in the open position.



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- (d) Bleed the power steering system.
(See page [SR-4](#))
- (e) Start the engine and run it at idle.
- (f) Turn the steering wheel from lock to lock several times to boost fluid temperature.

Fluid temperature: 80 °C (176 °F)



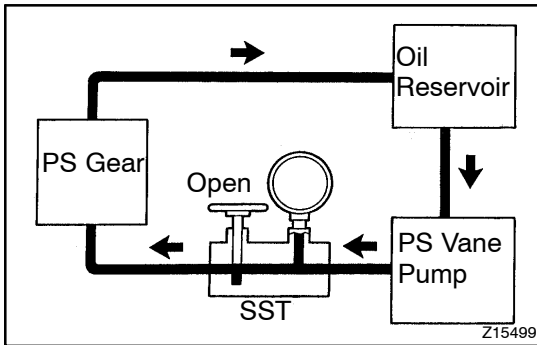
- (g) With the engine idling, close the valve of the SST and observe the reading on the SST.

Minimum fluid pressure:

8,336 kPa (85 kgf/cm², 1,209 psi)

NOTICE:

- Do not keep the valve closed for more than 10 seconds.
- Do not let the fluid temperature become too high.



- (h) With the engine idling, open the valve fully.

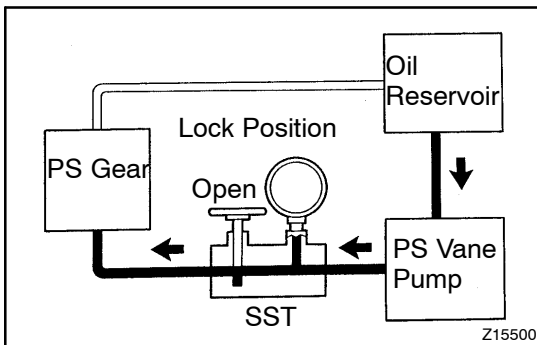
- (i) Measure the fluid pressure at engine speeds of 1,000 rpm and 3,000 rpm.

Difference fluid pressure:

490 kPa (5 kgf/cm², 71 psi) or less

NOTICE:

Do not turn the steering wheel.



- (j) With the engine idling and valve fully opened, turn the steering wheel to full lock.

Minimum fluid pressure:

8,336 kPa (85 kgf/cm², 1,209 psi)

NOTICE:

- Do not maintain lock position for more than 10 seconds.
- Do not let the fluid temperature become too high.

- (k) Disconnect the SST.

- (l) Connect the pressure feed tube.

(See page [SR-33](#))

- (m) Install the air cleaner assembly with air cleaner hose.

(See page [SR-33](#))

- (n) Bleed the power steering system.

(See page [SR-4](#))