

F03835

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:

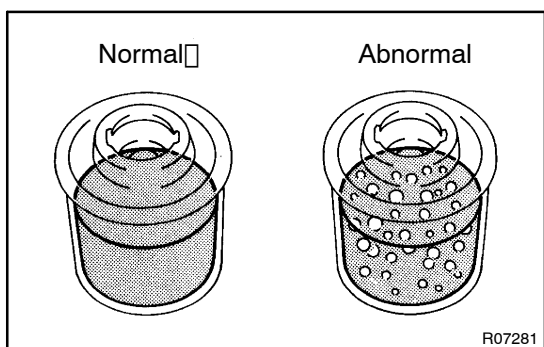
Check that the fluid level is within the HOT LEVEL range on the reservoir cap dipstick.

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.

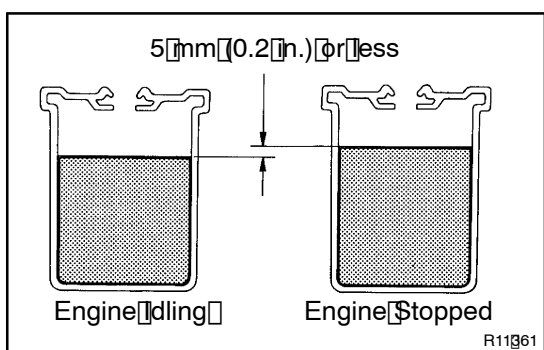
Fluid temperature: 80°C (176°F)



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- Check for foaming or emulsification.

If there is foaming or emulsification, bleed power steering system. (See page SR-4)



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- 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) Disconnect the pressure feed tube from the PS vane pump.

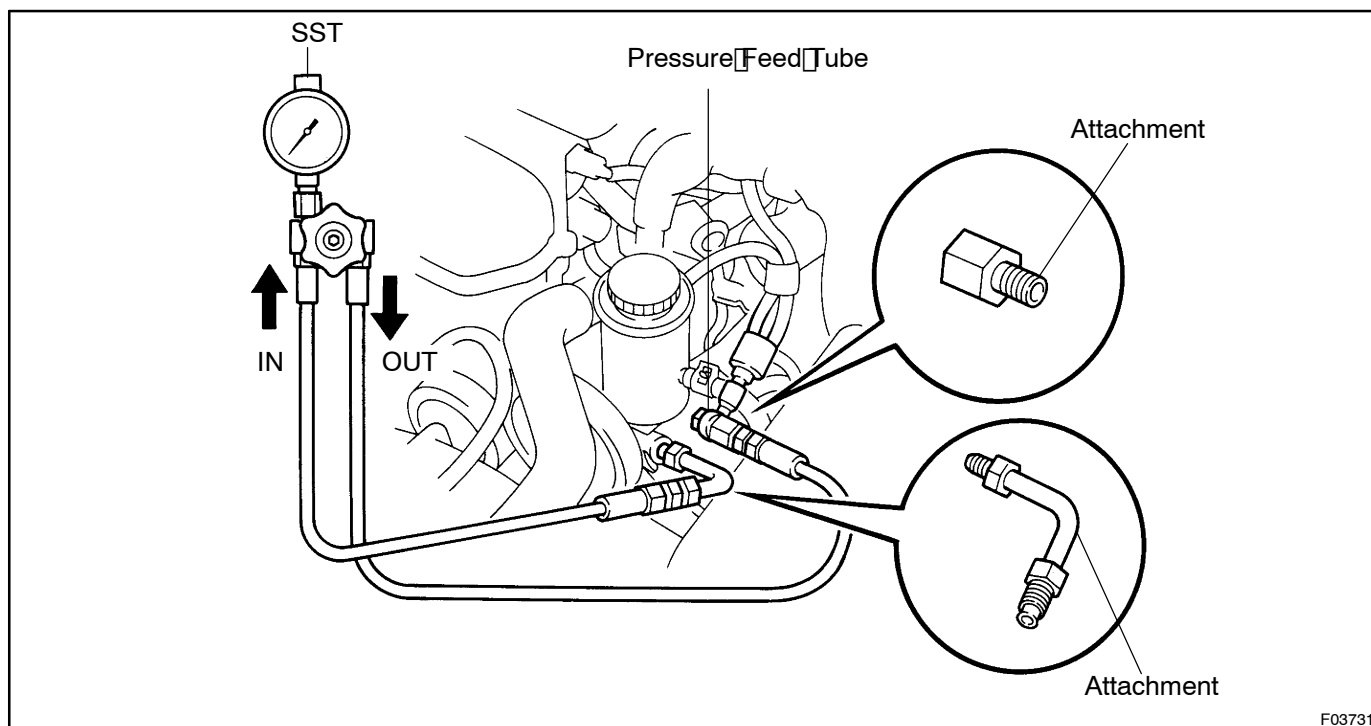
(See page SR-21)

- (b) Connect SST, as shown below.

SST 09640-10010, 09641-10101, 09641-1030, 09641-1060)

NOTICE:

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



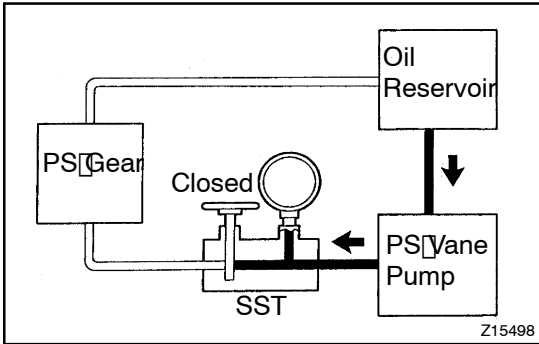
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- (c) Bleed the power steering system.

(See page SR-4)

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

Fluid temperature: 80 °C (176 °F)



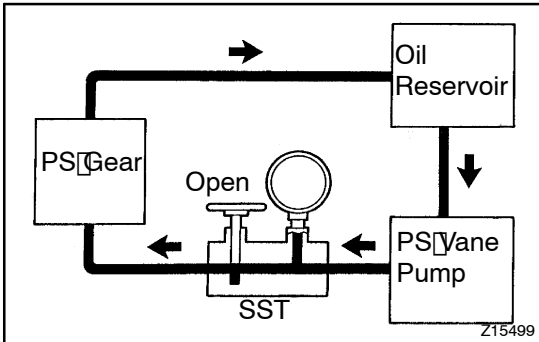
- (f) With the engine idling, close the valve of the SST and observe the reading on the SST.

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.



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

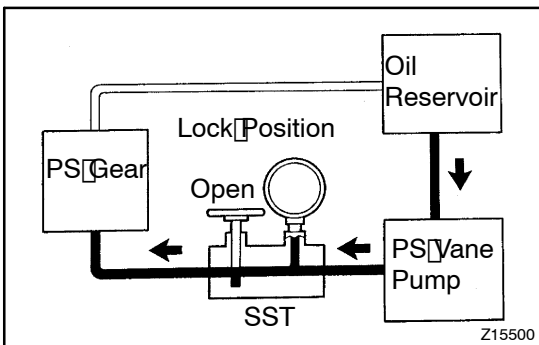
- (h) Measure the fluid pressure at engine speeds of 1,000 rpm and 3,000 rpm.

Difference fluid pressure:

490 kPa (5 kgf/cm² 71 psi) or less

NOTICE:

Do not turn the steering wheel.



- (i) 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.

- (j) Disconnect the SST.

- (k) Connect the pressure feed tube.

(See page SR-28)

- (l) Bleed the power steering system.

(See page SR-4)