

## INSPECTION

### 1. CHECK FLUID LEVEL

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

If necessary, add fluid.

**Fluid: ATF DEXRON® II or III**

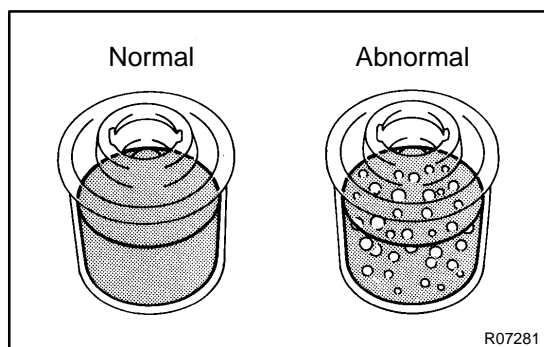
#### HINT:

When the fluid is hot, check that the fluid level is within the HOT range.

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

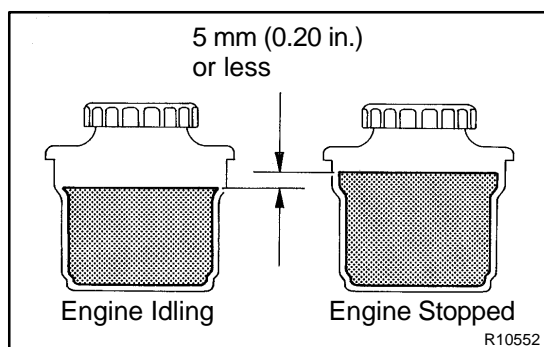
- Start the engine and run at idle.
- Turn the steering wheel from lock to lock several times to raise fluid temperature.

**Fluid temperature: 80°C (176°F)**



- Check for foaming or emulsification.

If foaming or emulsification is identified, bleed air from the power steering system (See page [SR-4](#)).



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

- Stop the engine.

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

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

If the fluid level rise exceeds the maximum, bleed air from the power steering system (See page [SR-4](#)).

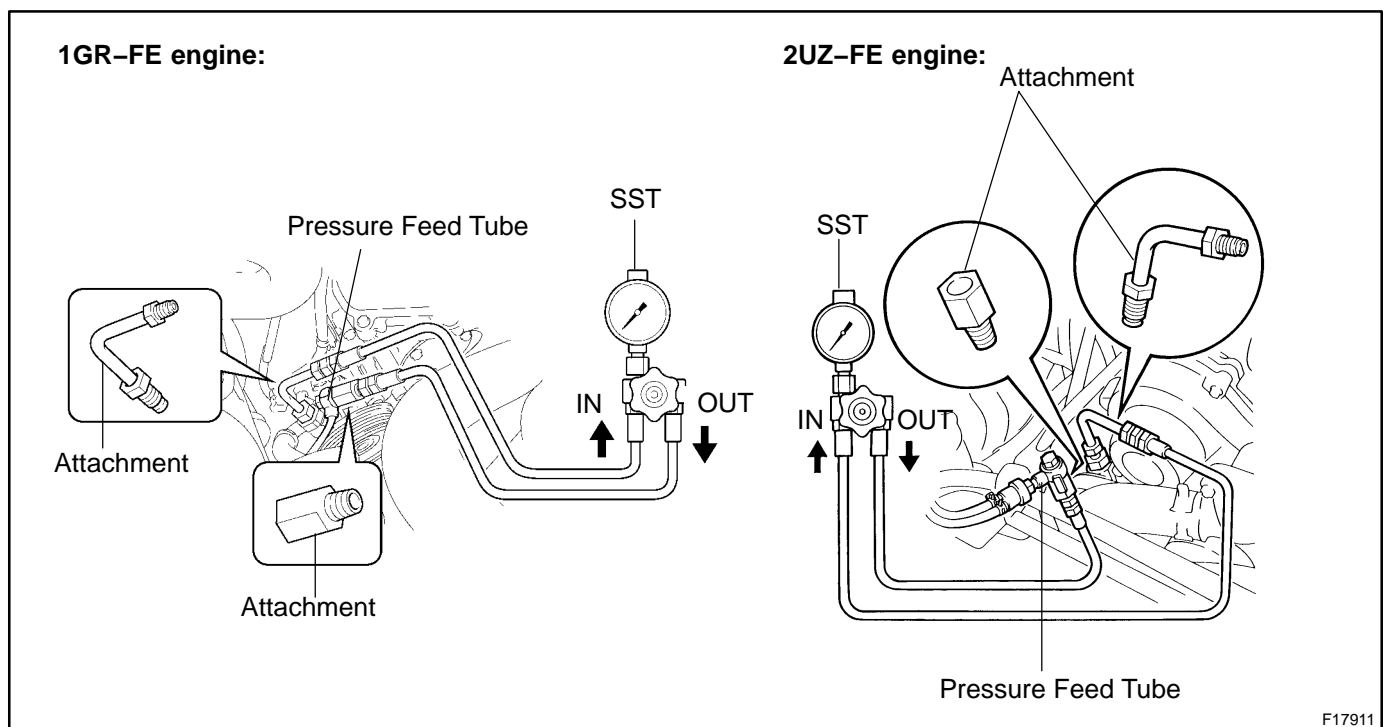
- Check the fluid level.

**2. CHECK STEERING FLUID PRESSURE**

- (a) 2UZ-FE engine:  
Remove the air cleaner assembly with the air cleaner hose (See page [SR-61](#)).
- (b) Disconnect the pressure feed tube from the PS vane pump.  
(1GR-FE engine: See page [SR-47](#).)  
(2UZ-FE engine: See page [SR-61](#).)
- (c) Connect SST, as shown in the illustration below.  
SST 09640-10010 (09641-01010, 09641-01030, 09641-01060)

**NOTICE:**

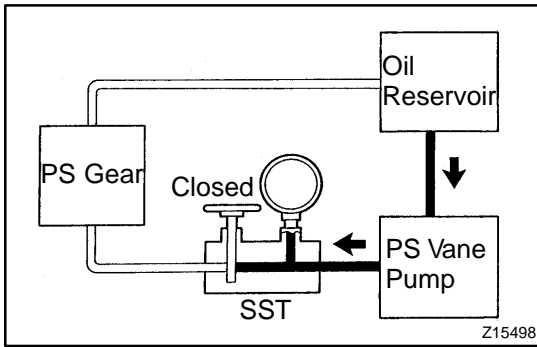
**Check that the valve of the SST is in the open position.**



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

**Fluid temperature: 80 °C (176 °F)**



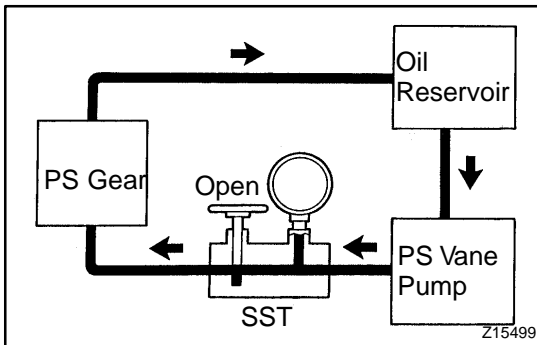
- (g) With the engine idling, close the valve of the SST and observe the reading on the SST.

**Minimum fluid pressure:**

**8,336 kPa (85 kgf/cm<sup>2</sup>, 1,209 psi)**

**NOTICE:**

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



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

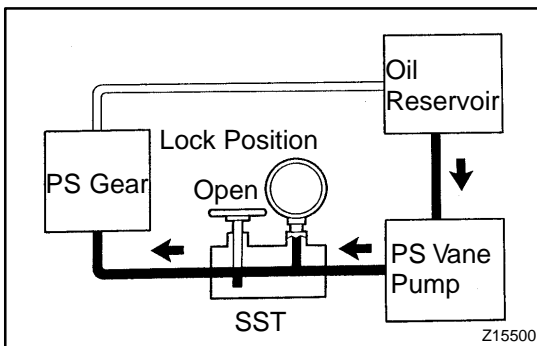
- (i) Measure the fluid pressure at engine speeds of 1,000 rpm and 3,000 rpm.

**Difference in fluid pressure:**

**490 kPa (5 kgf/cm<sup>2</sup>, 71 psi) or less**

**NOTICE:**

**Do not turn the steering wheel.**



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

**Minimum fluid pressure:**

**8,336 kPa (85 kgf/cm<sup>2</sup>, 1,209 psi)**

**NOTICE:**

- Do not keep the steering wheel in the full lock position for more than 10 seconds.
- Do not allow the fluid temperature to become too high.

- (k) Disconnect the SST.

SST 09640-10010 (09641-01010, 09641-01030, 09641-01060)

- (l) Connect the pressure feed tube.

(1GR-FE engine: See page [SR-57](#).)

(2UZ-FE engine: See page [SR-69](#).)

- (m) 2UZ-FE engine:

Install the air cleaner assembly with the air cleaner hose (See page [SR-69](#)).

- (n) Bleed air from the power steering system (See page [SR-4](#)).