

POWER STEERING FLUID (3UZ-FE) INSPECTION

SR0DH-04

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

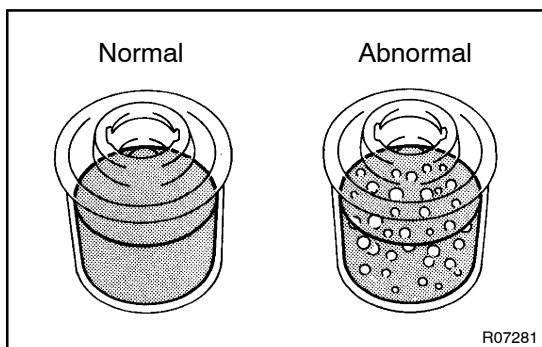
HINT:

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.

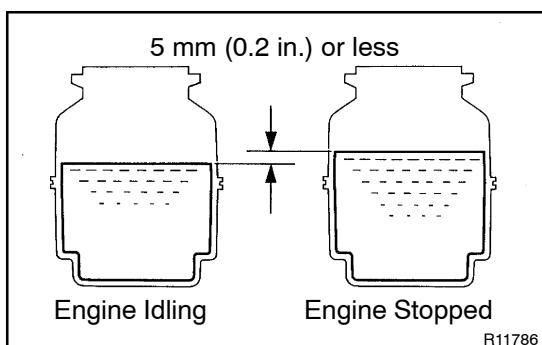
- Start the engine and run it at idle.
- Turn the steering wheel from lock to lock several times to boost fluid temperature.

Fluid temperature: 80°C (176°F)



- Check for foaming or emulsification.

If there is foaming or emulsification, bleed power steering system (See Pub. No. RM588E on page SR-3).



- 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 Pub. No. RM588E on page SR-3).

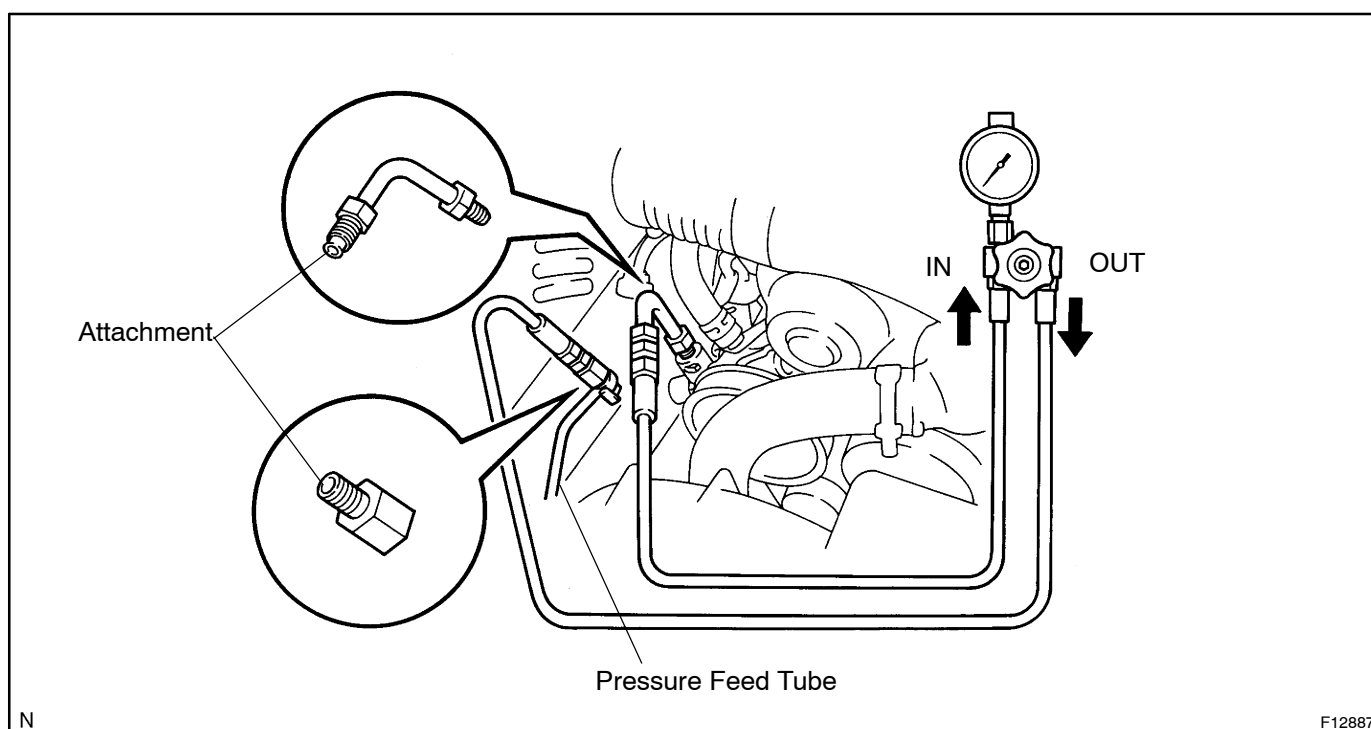
- Check the fluid level.

2. CHECK STEERING FLUID PRESSURE

- (a) Remove the air cleaner inlet.
- (b) Remove the air cleaner assembly with air cleaner hose (See page SR-17).
- (c) Disconnect the pressure feed tube from the PS vane pump (See page SR-17).
- (d) Connect the SST, as shown below.
SST 09640-10010 (09641-01010, 09641-01030, 09641-01060)

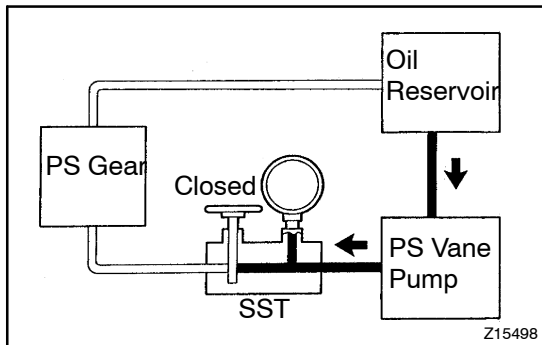
NOTICE:

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



- (e) Bleed the power steering system (See Pub. No. RM588E on page SR-3).
- (f) Start the engine and run it at idle.
- (g) Turn the steering wheel from lock to lock several times to boost fluid temperature.

Fluid temperature: 80 °C (176 °F)



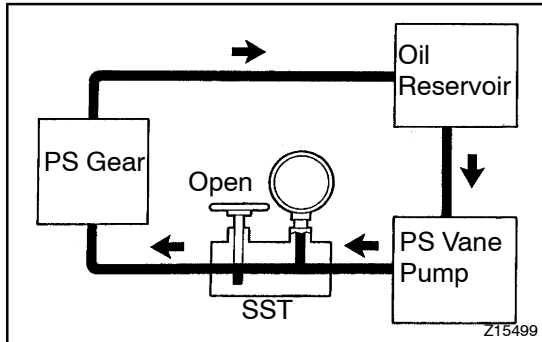
- (h) With the engine idling, close the valve of the SST and observe the reading on the SST.

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.



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

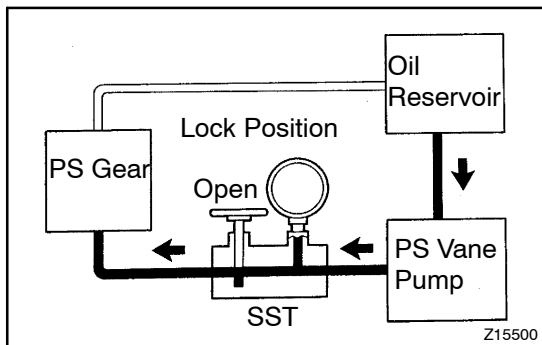
- (j) Measure the fluid pressure at engine speeds of 1,000 rpm and 3,000 rpm.

Difference fluid pressure:

490 kPa (5 kgf/cm², 71 psi) or less

NOTICE:

Do not turn the steering wheel.



- (k) 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.

- (l) Disconnect the SST.

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

- (m) Connect the pressure feed tube (See page SR-28).

- (n) Install the air cleaner assembly with air cleaner hose (See page SR-28).

- (o) Install the air cleaner inlet.

- (p) Bleed the power steering system (See Pub. No. RM588E on page SR-3).