

POWER STEERING FLUID (Independent Front Suspension) INSPECTION

SR1IV-01

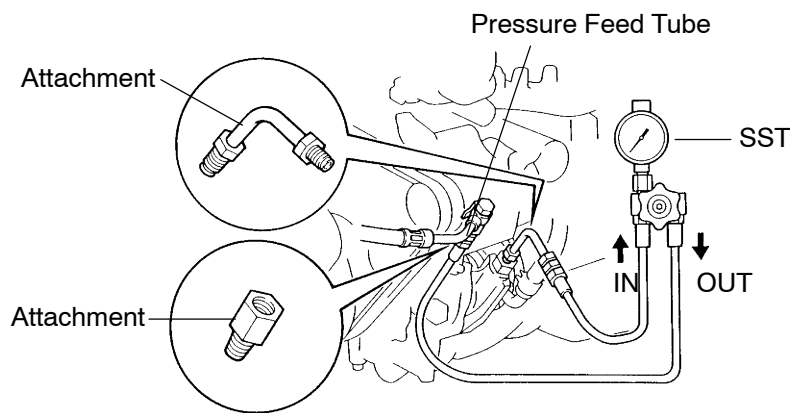
1. CHECK STEERING FLUID PRESSURE

- Disconnect the pressure feed tube from the PS vane pump.
- Connect SST, as shown in the illustration below.
SST 09640 –10010 (09641 –01010, 09641 –01030, 09641–01060)

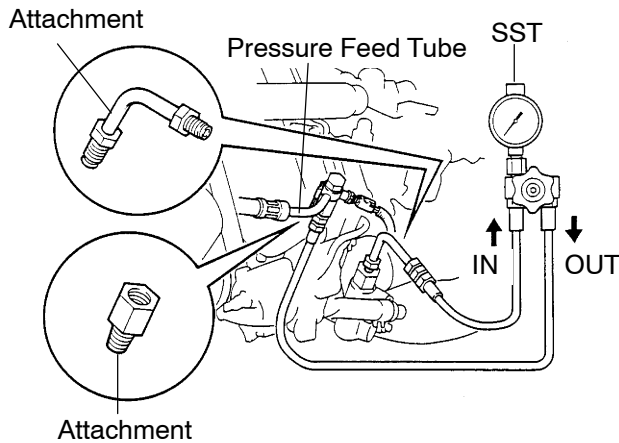
NOTICE:

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

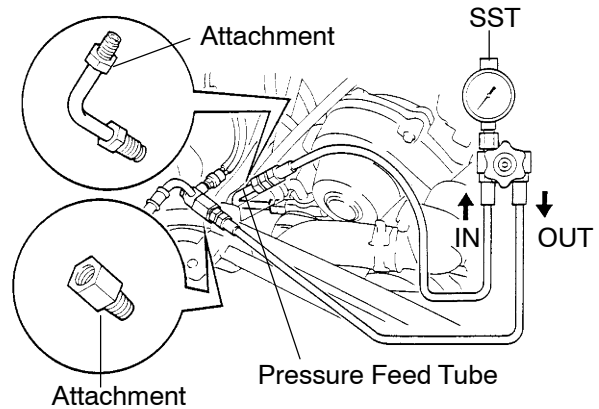
1FZ-FE:



1HD-FTE:



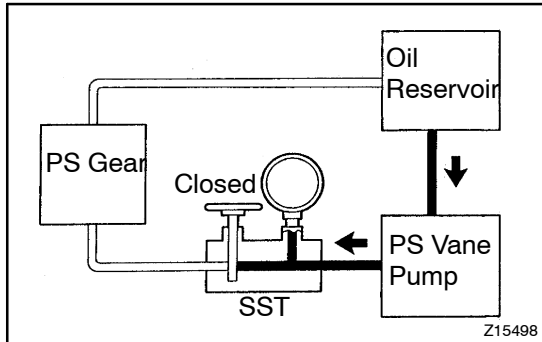
2UZ-FE:



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- (c) Bleed the power steering system.
- (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)



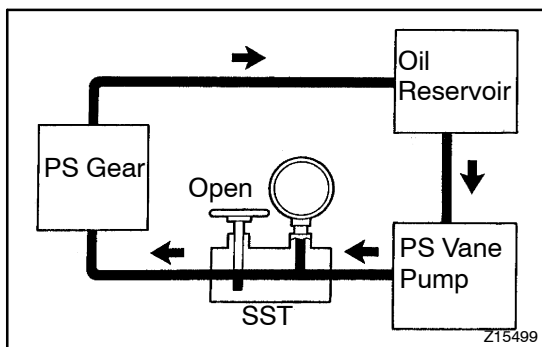
- (f) With the engine idling, close the valve of the SST and observe the reading on the SST.

Minimum fluid pressure:

10,000 kPa (102 kgf/cm², 1,451 psi)

NOTICE:

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



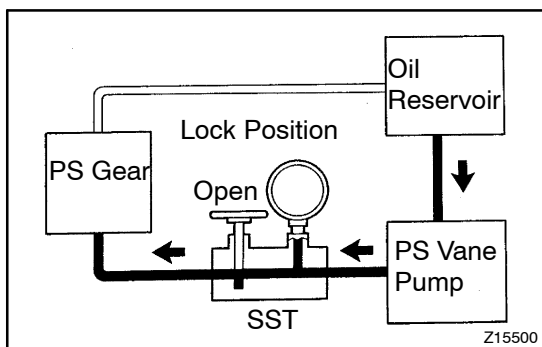
- (g) With the engine idling, open the valve fully.
- (h) Measure the fluid pressure at engine speeds of 1,000 rpm and 3,000 rpm.

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:

10,000 kPa (102 kgf/cm², 1,451 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 to the PS vane pump.

1FZ-FE: (See page SR-31)

2UZ-FE : (See page SR-32)

1HD-FTE: (See page SR-50)

- (l) Bleed the power steering system.

(See Pub. No. RM616E on page SR -4)