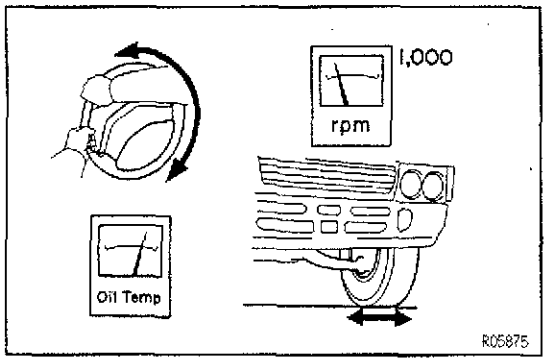
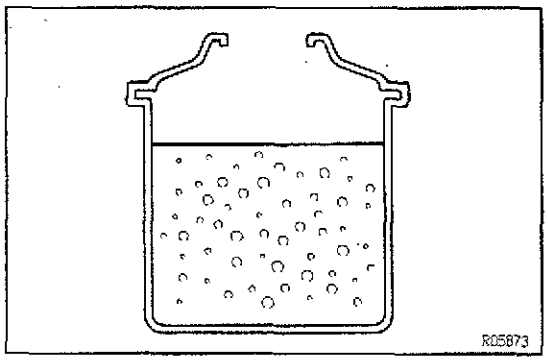


ON–VEHICLE INSPECTION

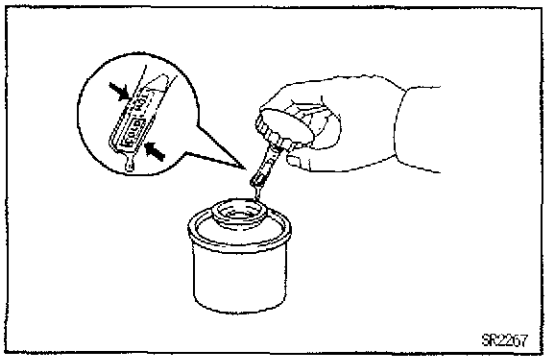
SR08C–02

FLUID LEVEL CHECK

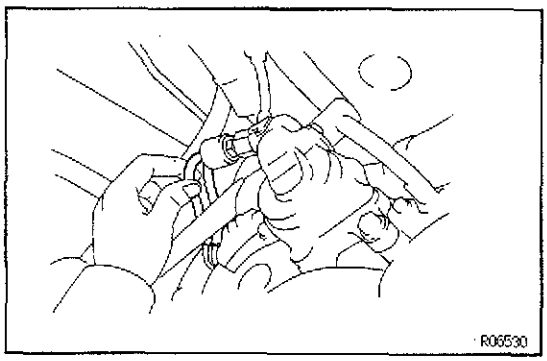
1. **KEEP VEHICLE LEVEL**
2. **BOOST FLUID TEMPERATURE**
   With the engine idling at 1,000 rpm or less, turn the steering wheel from lock to lock several times to boost fluid temperature.
   Fluid temperature:
   100–110°C (212–230°F)
3. **CHECK FOR FOAMING OR EMULSIFICATION**
   HINT: Foaming and emulsification indicate either the existence of air in the system or that the fluid level is too low.



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4. **CHECK FLUID LEVEL IN RESERVOIR**
   Check the fluid level and add fluid if necessary.
   Fluid:
   ATF DEXRON® II
   HINT: When the fluid temperature is hot (80 – 100° C), check that the fluid level is within the HOT LEVEL of the dipstick. If the fluid is cold (30 – 50°C), check that it is within the COLD LEVEL of the dipstick.

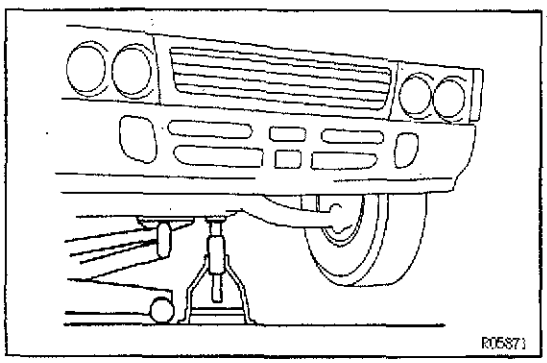


IDLE–UP CHECK

SR01R–03

1. **WARM UP ENGINE**
2. **TURN AIR CONDITIONER SWITCH OFF**
3. **CHECK IDLE–UP**

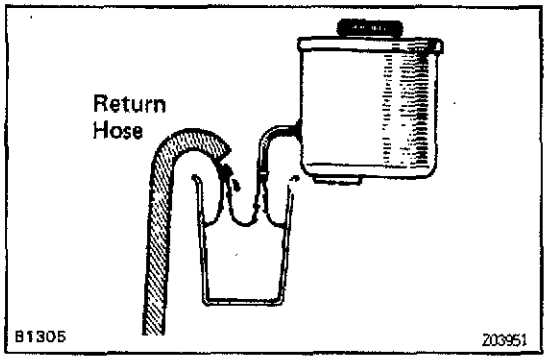
(a) Fully turn the steering wheel.
(b) Check that the engine rpm decreases when the air control valve hose is pinched.
(c) Check that the engine rpm increases when the air control valve hose is released.



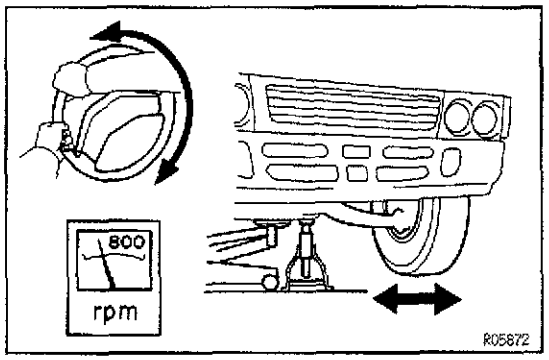
POWER STEERING FLUID REPLACEMENT

SR0F7–01

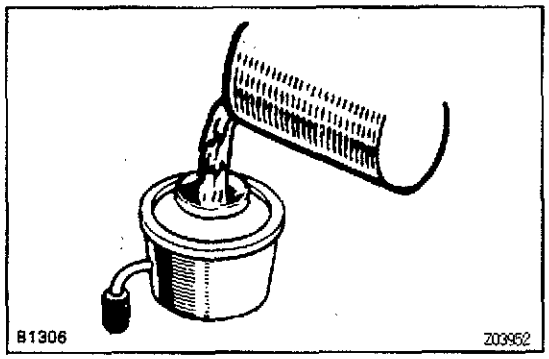
1. **JACK UP FRONT OF VEHICLE AND SUPPORT IT WITH STANDS**



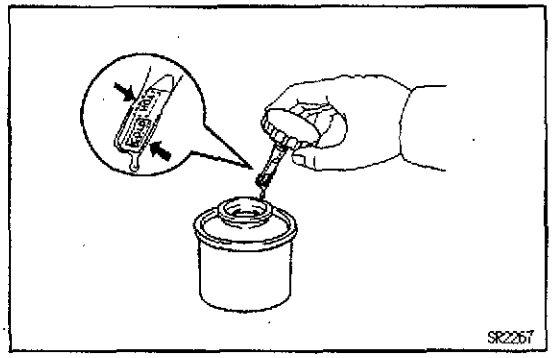
2. **REMOVE FLUID RETURN HOSE FROM RESERVOIR TANK AND DRAIN FLUID INTO CONTAINER**



3. **WITH ENGINE IDLING, TURN STEERING WHEEL FROM LOCK TO LOCK WHILE DRAINING FLUID**
4. **STOP ENGINE**

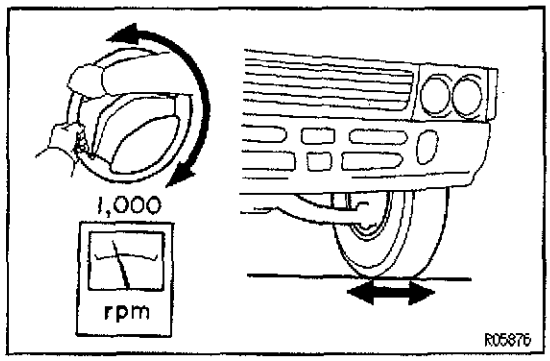


5. **FILL RESERVOIR TANK WITH FRESH FLUID**
   Fluid:
   ATF DEXRON® II

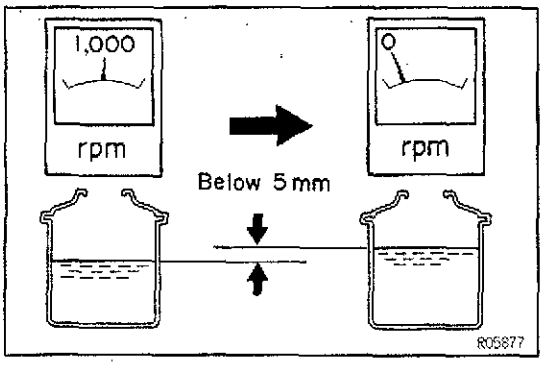


POWER STEERING SYSTEM BLEEDING SR000Q-0A

1. **CHECK FLUID LEVEL IN RESERVOIR TANK**
   Check the fluid level and add fluid if necessary.
   Fluid:
   ATF DEXRON® II
   HINT: When the fluid temperature is hot (80 — 100° C), check that the fluid level is within the HOT LEVEL of the dipstick. If the fluid is cold (30 — 50° C), check that it is within the COLD LEVEL of the dipstick.



2. **START ENGINE AND TURN STEERING WHEEL FROM LOCK TO LOCK THREE OR FOUR TIMES**
   With the engine speed below 1,000 rpm, turn the steering wheel to left or right full lock and keep it there for 2—3 seconds, then turn the wheel to the opposite full lock and keep it there for 2—3 seconds.



3. **CHECK THAT FLUID IN RESERVOIR IS NOT FOAMY OR CLOUDY AND DOES NOT RISE OVER MAXIMUM WHEN ENGINE IS STOPPED**

Measure the fluid level with the engine running. Stop the engine and measure the fluid level.

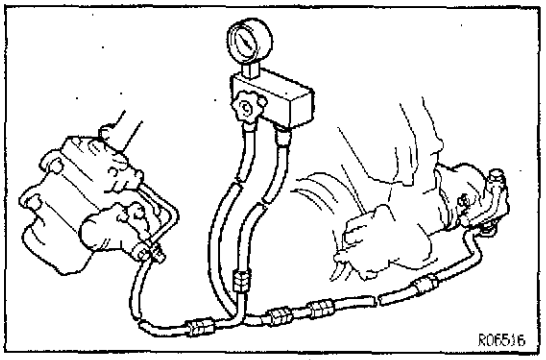
Maximum rise:

5 mm (0.20 in.)

If a problem is found, repeat steps 5 on page POWER STEERING FLUID REPLACEMENT. Repair the PS if the problem persists.

SR0BD-02

OIL PRESSURE CHECK



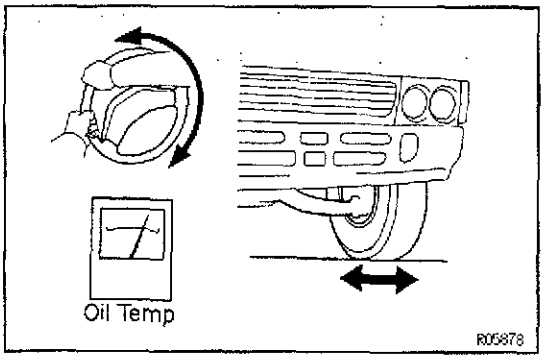
1. **CONNECT PRESSURE GAUGE**

(a) Disconnect the pressure line from the PS pump.

(b) Connect the valve side of the pressure gauge to the pressure line, and the gauge side to the PS pump.

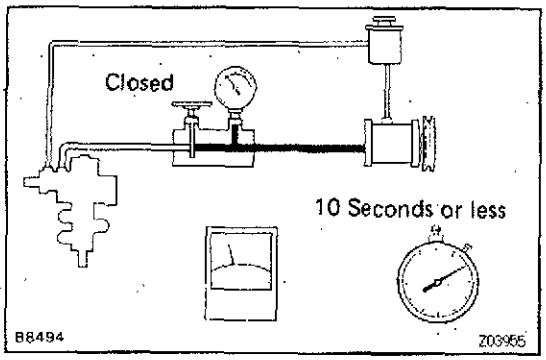
(c) Bleed the system. Start the engine and turn the steering wheel from lock to lock 2 or 3 times.

(d) Check that the fluid level is correct.



2. **CHECK THAT FLUID TEMPERATURE IS AT LEAST 100–110°C (212–230°F)**

3. **START ENGINE AND RUN IT AT IDLE**



4. **CHECK FLUID PRESSURE READING WITH VALVE CLOSED**

Close the pressure gauge valve and observe the reading on the gauge.

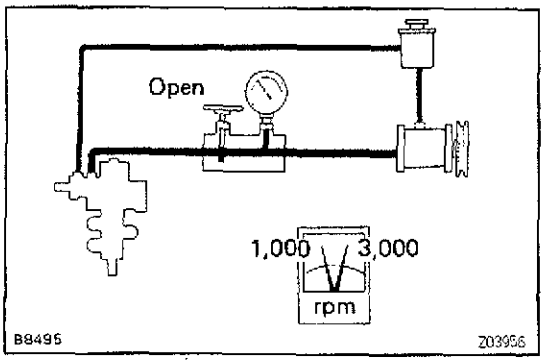
Minimum pressure:

7,845 kPa (80 kgf/cm², 1,138 psi)

NOTICE:

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

If pressure is low, repair or replace the PS pump.



5. **OPEN VALVE FULLY**

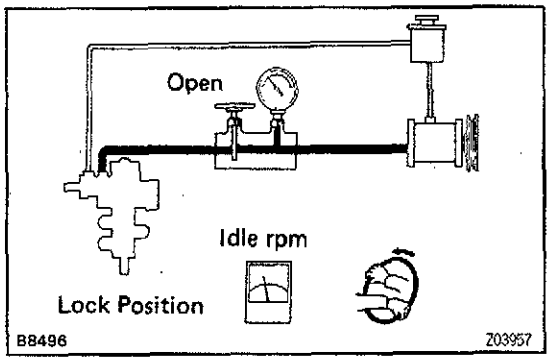
6. **CHECK AND RECORD PRESSURE READING AT 1,000 RPM**

7. **CHECK AND RECORD PRESSURE READING AT 3,000 RPM**

Check that there is 490 kPa (5 kgf/cm², 71 psi) or less difference in pressure between the 1,000 rpm and 3,000 rpm checks.

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If the difference is excessive, repair or replace the flow control valve of the PS pump.



8. CHECK PRESSURE READING WITH STEERING WHEEL TURNED TO FULL LOCK

Be sure the pressure gauge valve is fully opened and the engine idling.

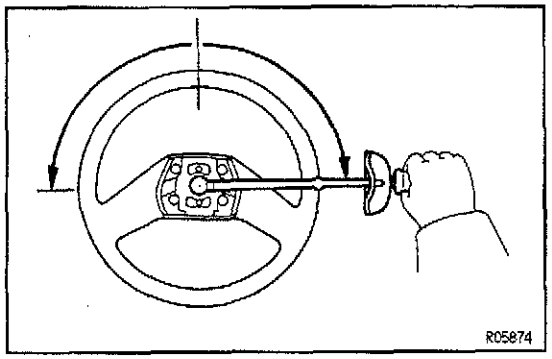
Minimum pressure:

7,845 kPa (80 kgf/cm², 1,138 psi)

NOTICE:

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

If pressure is low, the gear housing has an internal leak and must be repaired or replaced.



9. MEASURE STEERING EFFORT

(a) Center the steering wheel and run the engine at idle.

(b) Using a torque meter, measure the steering effort in both directions.

Maximum steering effort:

8.3 N·m (85 kgf·cm, 73 in.·lbf)

If steering effort is excessive, repair the PS unit.

HINT: Be sure to consider the tire type, pressure and contact surface before making your diagnosis.