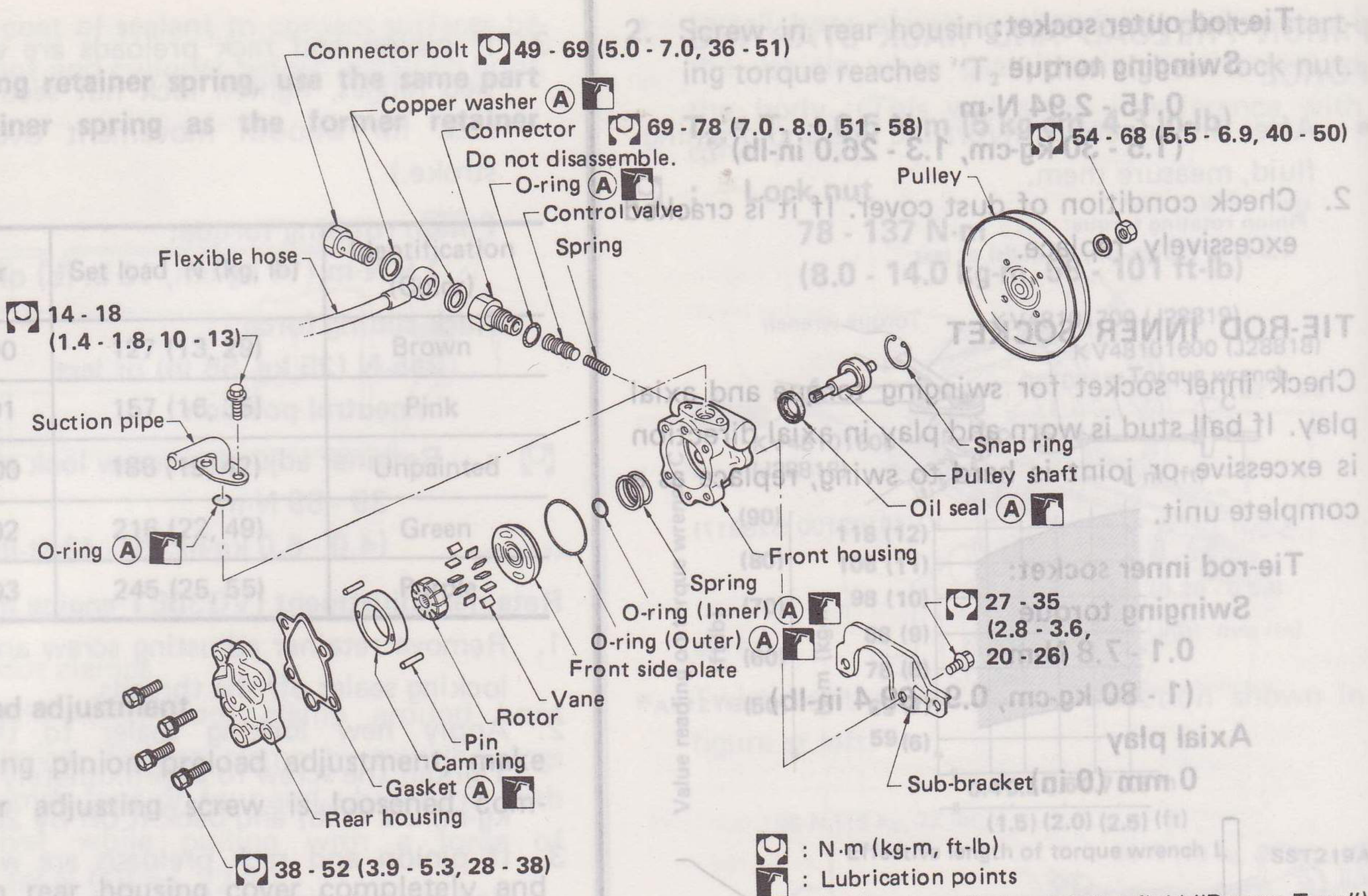
POWER STEERING OIL PUMP

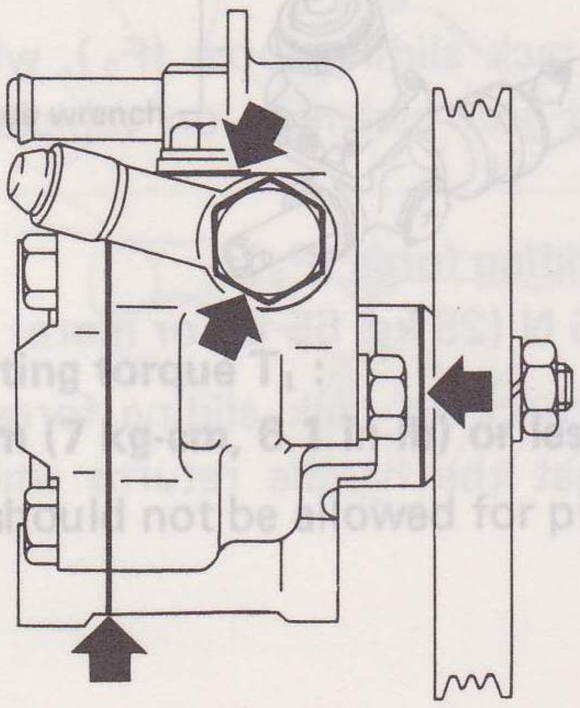


SST979A

Pre-disassembly Inspection

The power steering oil pump should be disassembled only if any of the following conditions are observed.

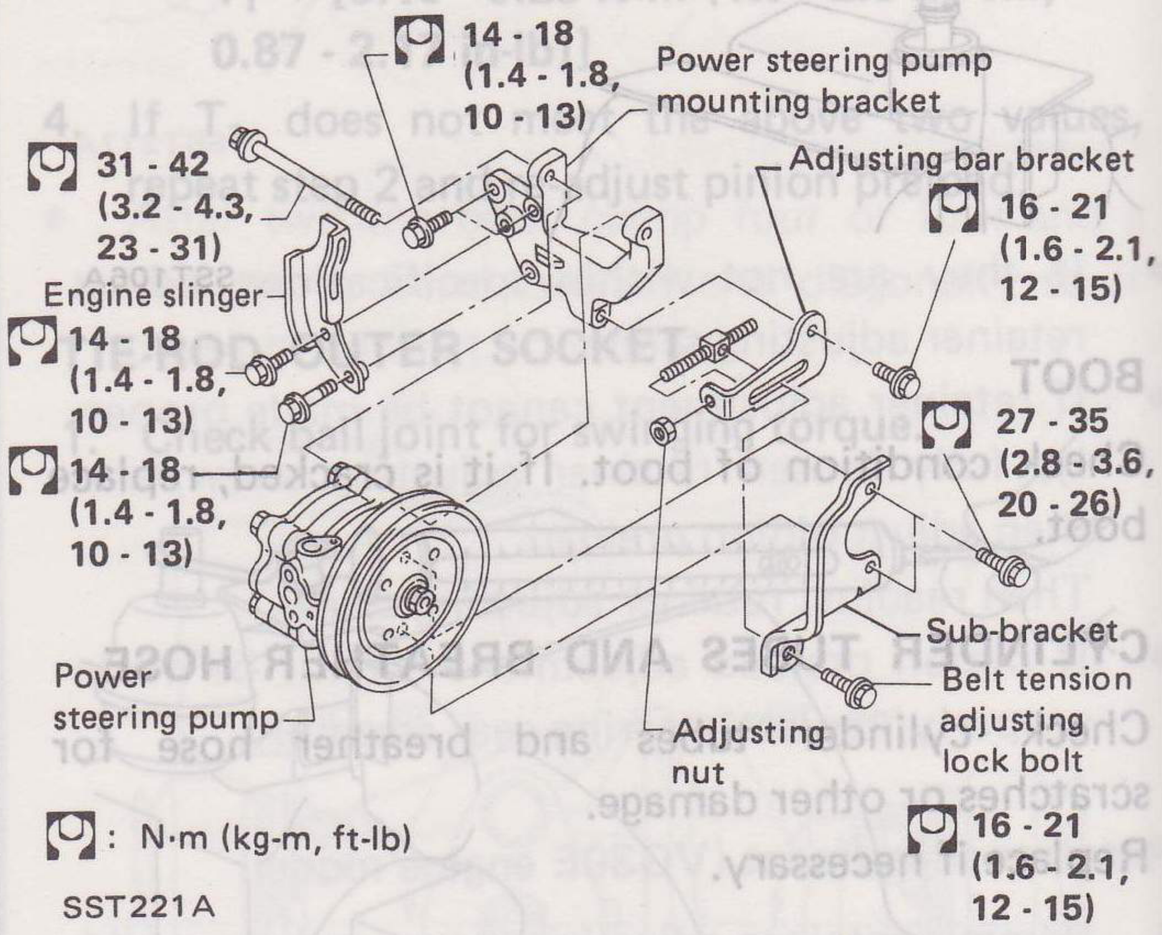
- **Oil leak at the following points**



SST984A

- **Deformed or damaged pulley**

Oil Pump Installation



SST221A

- **After installing oil pump, adjust belt tension. Refer to MA section.**

POWER STEERING OIL PUMP

Disassembly

CAUTION:

- **The parts which can be disassembled are strictly limited. Never disassemble parts other than the specified ones.**
- **Disassembly should be performed in a place as clean as possible.**
- **Do not use a rag. Be sure to use nylon or paper cloth.**
- **When disassembling and reassembling, do not allow any foreign material to enter or contact any parts.**

1. Remove rear cover upward.

- **Be careful not to lose the 2 pins as they often stick to rear cover.**

2. Carefully remove cam ring, rotor and vanes.
3. Remove snap ring, then draw pulley shaft out.

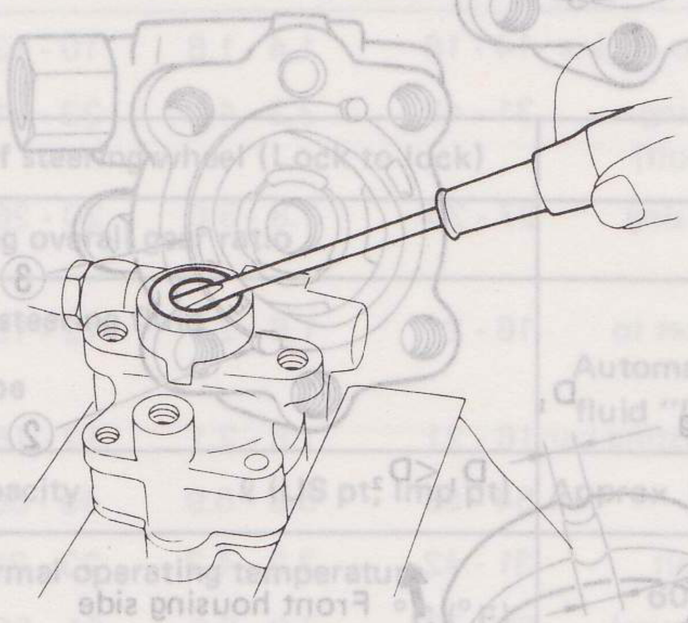
- **Be careful not to drop pulley shaft.**
- **Be careful not to damage rotor. If damaged, replace as a pump assembly.**

4. Remove front side plate.

- **Do not damage inside of front housing.**

5. Remove oil seal from front housing.

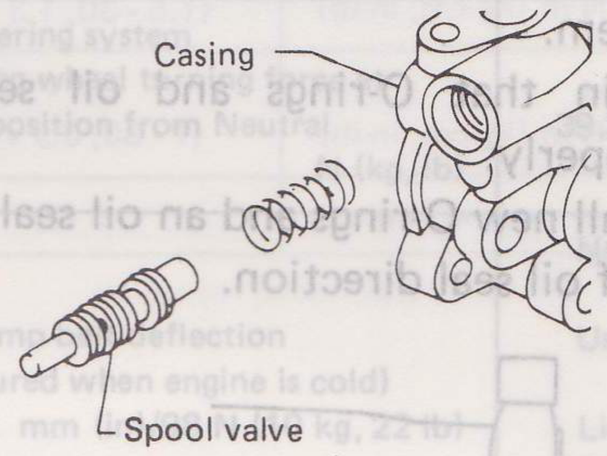
- **Be careful not to damage front housing.**



SST034A

6. Remove connector bolt.
7. Remove connector.

- **Be careful not to drop spool valve.**



SST036A

8. Remove suction pipe, then remove O-ring.

Inspection

Clean all disassembled parts (inside pump) with suitable cleaning solvent.

INSIDE PARTS

If there are any cracks or flaws, replace pump assembly.

PULLEY AND PULLEY SHAFT

- **If pulley is cracked or deformed, replace it.**
- **If an oil leak is observed around pulley shaft oil seal, replace it.**
- **If serration of pulley or pulley shaft is deformed or worn, replace it.**

OIL PRESSURE SWITCH

(Non-turbocharged model)

High-pressure side hydraulic line pressure kPa (kg/cm^2, psi)	Operation
Increasing to 1,961 - 2,942 (20- 30, 284 - 427)	Turn ON
Decreasing to Approx. 981 - 2,942 (10 - 30, 142 - 427)	Turn OFF

Refer to "Hydraulic System Check" in "POWER STEERING SYSTEM – Checking".