

SECTION **ST**

MODIFICATION NOTICE:

- Power steering oil pump for ZD30ETi engine has been adopted.

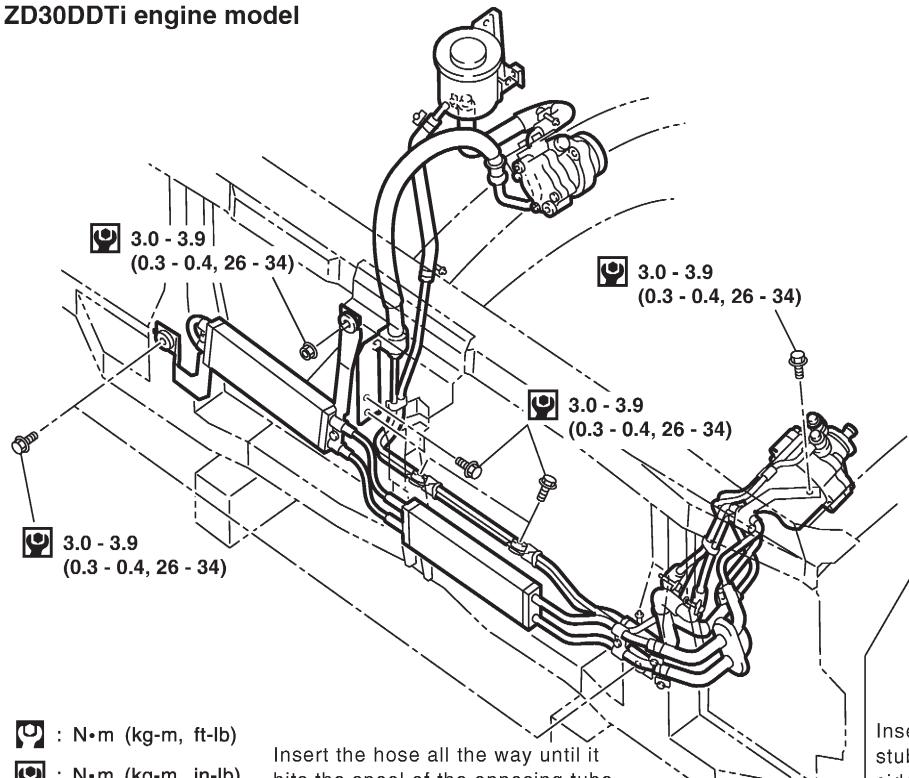
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POWER STEERING OIL PUMP

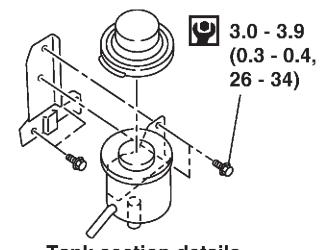
Removal and Installation

SEC. 497
ZD30DDTi engine model

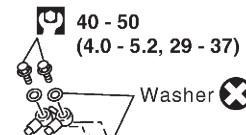


● : N·m (kg·m, ft-lb)

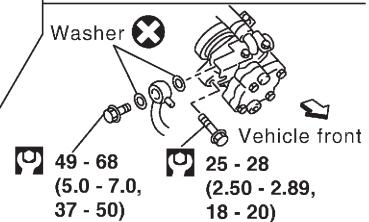
● : N·m (kg·m, in-lb)



Tank section details



Vehicle front
Gear section details



Insert and secure the hose cap stub into the notch on the pump side, and confirm the position.

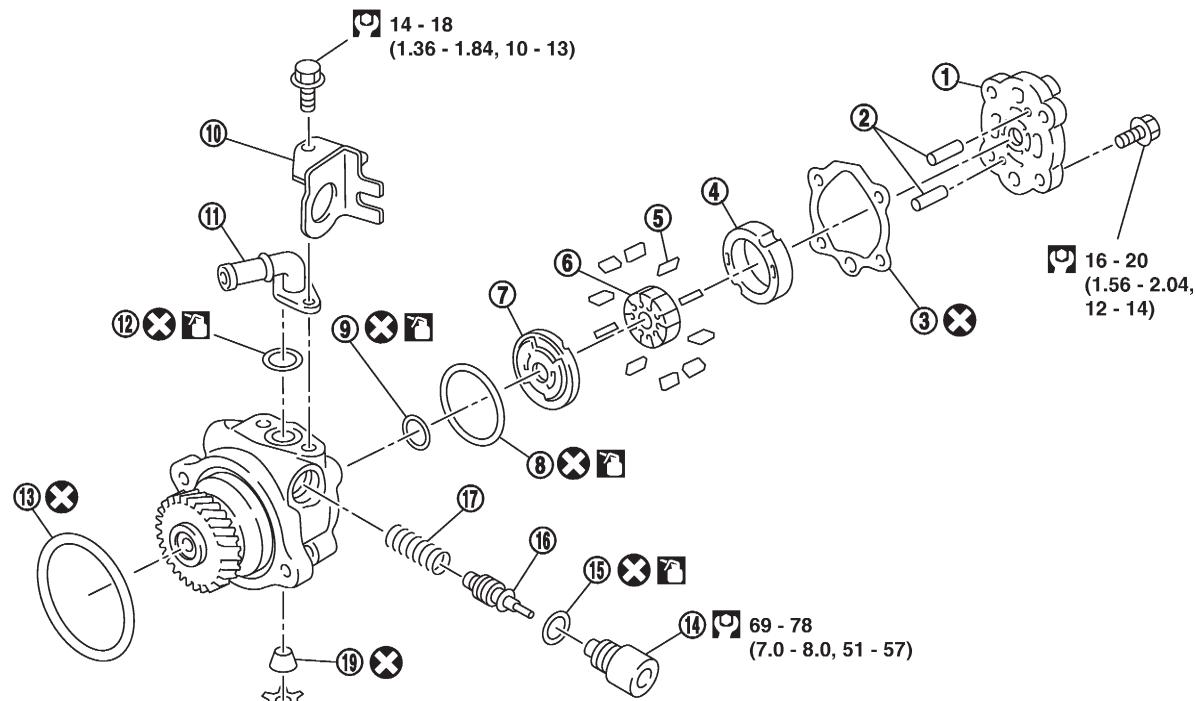
Pump section details

SST921C

POWER STEERING OIL PUMP

Disassembly and Assembly

SEC. 490-493



■ : Lubrication points
(With automatic transmission fluid type DEXRON™ III or equivalent)

■ : N·m (kg·m, ft·lb)

SST922C

- | | | |
|--------------------|------------------|------------------|
| ① Rear body | ⑧ O-ring (Outer) | ⑭ Connector bolt |
| ② Pin | ⑨ O-ring (Inner) | ⑮ O-ring |
| ③ Gasket | ⑩ Blacket | ⑯ Spool valve |
| ④ Cam ring | ⑪ Suction pipe | ⑰ Spring |
| ⑤ Vane | ⑫ O-ring | ⑱ Snap ring |
| ⑥ Rotor | ⑬ O-ring | ⑲ Plug |
| ⑦ Front side plate | | |

SERVICE DATA AND SPECIFICATIONS (SDS)

Inspection and Adjustment

POWER STEERING SYSTEM (Model: PB69K)

Steering wheel turning force (at 360° from neutral position and circumference of steering wheel) N (kg, lb)	39 (4, 9) or less
Oil pump pressure kPa (bar, kg/cm ² , psi)	8,140 - 8,728 (81.4 - 87.3, 83 - 89, 1,180 - 1,266) at idling
Fluid capacity liter m ³ (Imp fl oz)	Approximately 1,000 (35.2)
Normal operating temperature °C (°F)	60 - 80 (140 - 176)
Steering gear turning torque N·m (kg-cm, in-lb)	
360° position from straight-ahead position	0.15 - 0.69 (1.5 - 7.0, 1.3 - 6.1)
Straight-ahead position (As compared with steer- ing wheel turned 360°)	0.2 (2, 1.7) higher
Maximum turning torque	0.7 - 1.0 (7 - 10, 6.1 - 8.7)
Backlash at pitman arm top end (in a straight- ahead position) mm (in)	0 - 0.1 (0 - 0.004)
End play (at sector shaft end in neutral position) mm (in)	0.1 (0.004) or less