TOYOTA

REPAIR MANUAL

6FG10-30 / 6FD10-30

CE012

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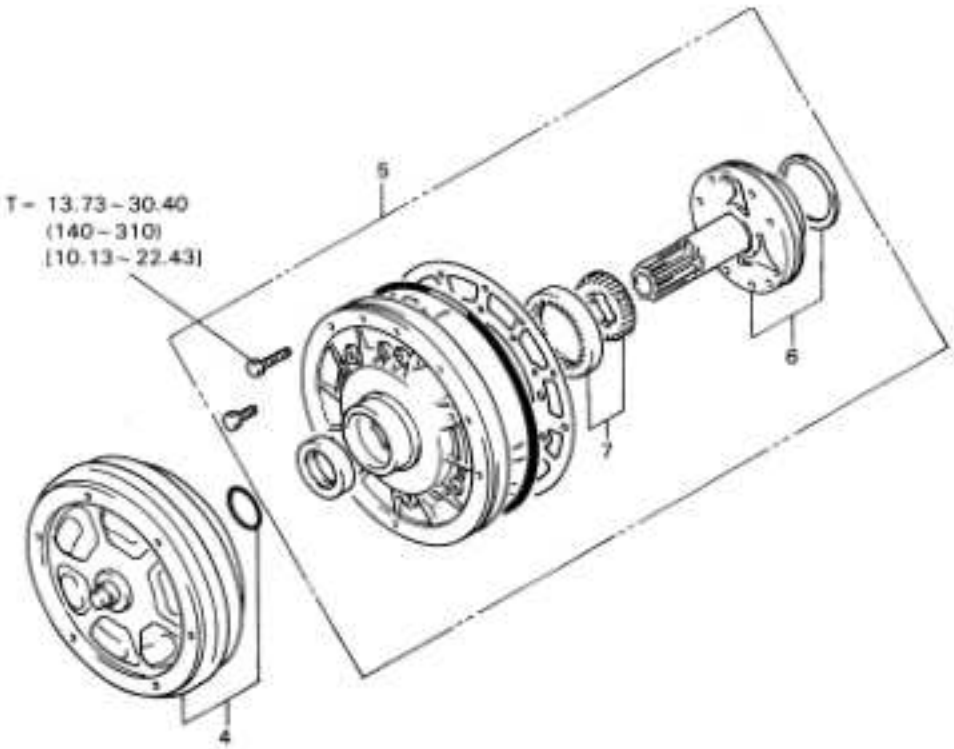
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TORQUE CONVERTER·OIL PUMP

REMOVAL·INSTALLATION

T=N·m (kg-cm) [ft-lb]



1 Torque converter oil
2 Engine W/torque converter
3 Torque converter housing ASSY

Removal Procedure

1 Drain torque converter oil.

2 Remove the engine W/torque converter. (See page 1-12 in the engine section.)

3 Disconnect the engine and torque converter housing ASSY. (See steps 1 to **4** of the removal procedure on page 1-16 in the engine section.)

4 Remove the torque converter ASSY. **[Point 1]**

5 Remove the oil pump W/stator shaft. **[Point 21**

6 Remove the stator shaft.

7 Remove the oil pump gear. **[Point 31**

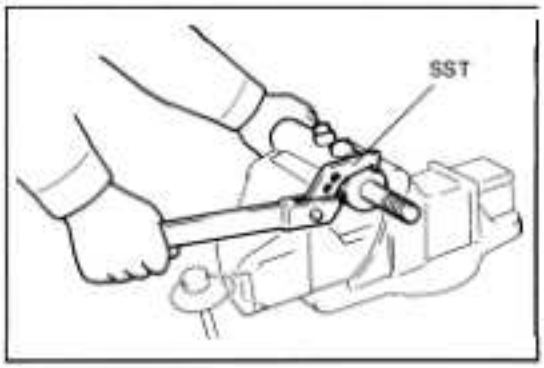
8 Remove the oil seal. **[Point 41**

Installation Procedure

The installation procedure is the reverse of the removal procedure.

Note
- **Stator shaft set bolt tightening torque: T = 9.81 ~ 15.69 N·m (100 ~ 160 kg-cm) [7.24 ~ 11.58 ft-lb]**
- **See the note for the engine installation procedure. (See page 1-13 and 1-16.)**

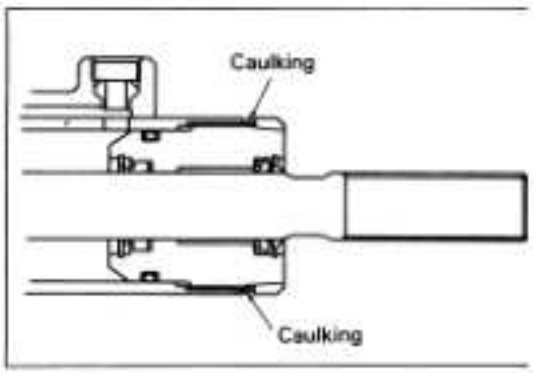
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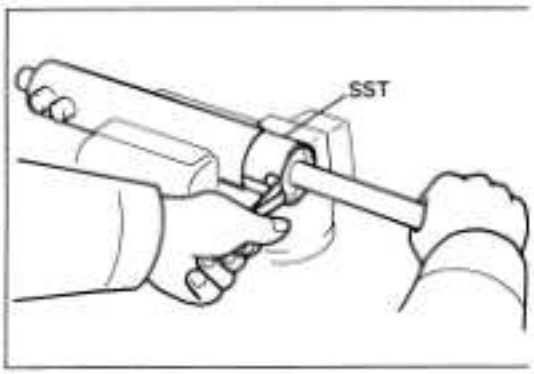
Point Operations

[Point 1]

Disassembly·reassembly: SST 09620-10100-71

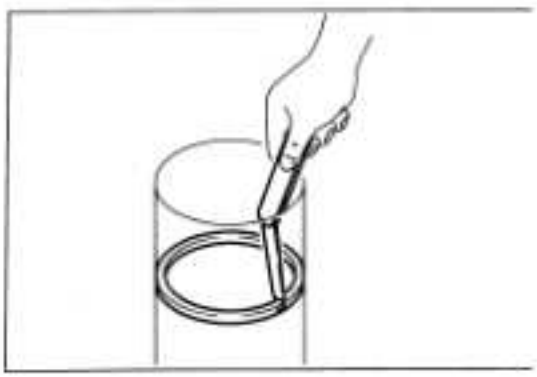


Reassembly: After tightening the rod guide, caulk the cylinder end face with the rod guide groove securely.



[Point 21

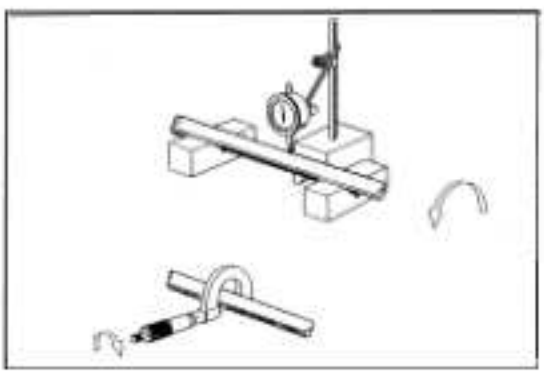
Reassembly: Compress the piston ring with the SST and insert it into the cylinder.
1 ton series: SST 09610-41830-71
2 ton series: SST 09490-20340-71



[Point 31

Inspection: Measure the piston ring joint clearance.
Measure by inserting the piston ring in the cylinder.

Standard clearance: 0.05 – 0.25 mm (0.0020 – 0.0098 in)
Limit clearance: 0.8 mm (0.031 in)



[Paint 41

Inspection: Measure the piston rod outside diameter.

1·2 ton series
Standard outside diameter:
22 mm (0.87 in)
Limit autside diameter:
21.92 mm (0.8634 in)
3 ton series
Standard outside diameter:
25 mm (0.98 in)
Limit outside diameter:
24.92 mm (0.9811 in)

Inspection: Measure the piston rod bend.

Limit bend: 0.5 mm (0.020 in)

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