

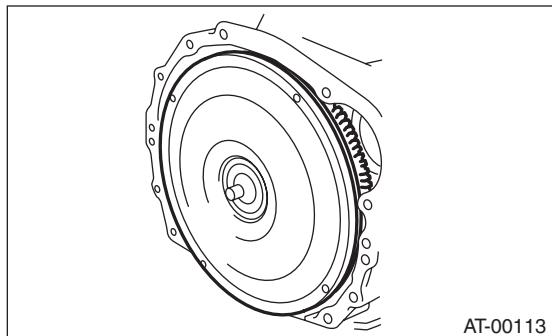
24. Torque Converter Clutch Assembly

A: REMOVAL

- 1) Remove the transmission assembly from the vehicle. <Ref. to 4AT-34, REMOVAL, Automatic Transmission Assembly.>
- 2) Pull out the torque converter clutch assembly and oil pump shaft horizontally.

NOTE:

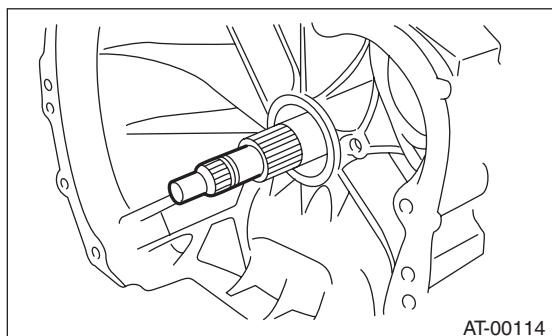
Be sure not to scratch the inside of bushing in oil pump shaft.



- 3) Remove the input shaft.

NOTE:

When the torque converter clutch assembly is removed, the input shaft will also come off.

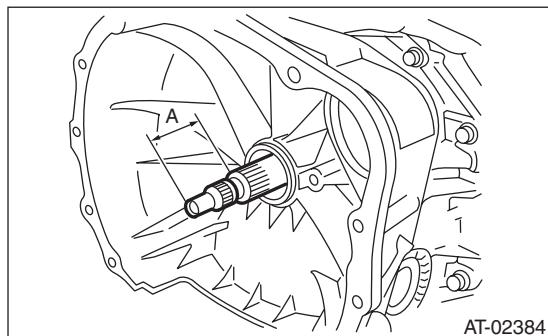


- 4) Remove the oil pump shaft from torque converter clutch assembly as necessary.

B: INSTALLATION

- 1) When the oil pump shaft is removed, install the shaft to converter case.
- 2) Install the oil pump shaft to the torque converter clutch assembly, and make sure the clip is secured on the groove.
- 3) Apply ATF to the O-ring and insert onto the input shaft while rotating the shaft slowly by hand. Check the amount of protrusion.

Normal protrusion A:
50 — 55 mm (1.97 — 2.17 in)

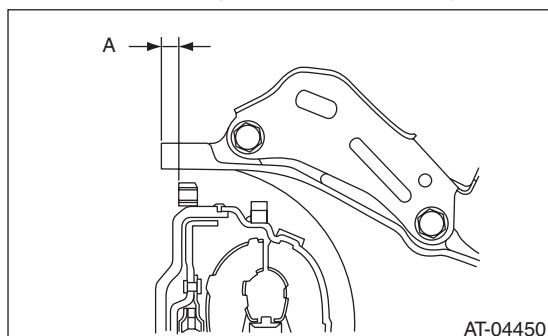


A Measured value

- 4) While holding the torque converter clutch assembly by hand, carefully install it to the torque converter case. Take care not to damage the bushing. Do not allow the oil pump shaft bushing to touch the stator shaft section of the oil pump cover inappropriately.
- 5) Slowly rotate the shaft by hand to engage the splines securely, then check that dimension A is within the specified range.

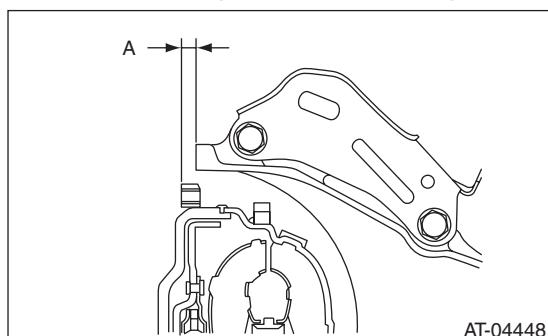
Dimension A:
Non-turbo model

1.1 — 1.3 mm (0.043 — 0.051 in)



A Measured value

Turbo model
2.7 — 2.9 mm (0.106 — 0.114 in)



A Measured value

6) Install the transmission assembly to the vehicle.
<Ref. to 4AT-37, INSTALLATION, Automatic Transmission Assembly.>

C: INSPECTION

Check the ring gear and the protrusion of torque converter clutch assembly end for deformation and damage.