

TORQUE CONVERTER CLUTCH ASSEMBLY

AUTOMATIC TRANSMISSION

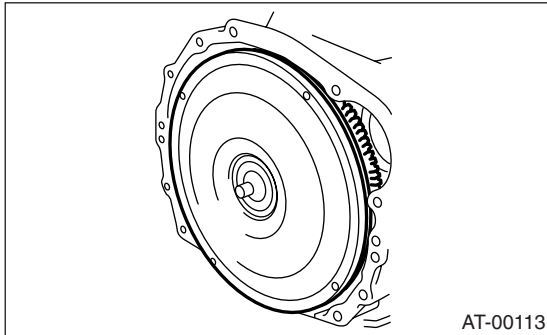
27. Torque Converter Clutch Assembly

A: REMOVAL

- 1) Remove the transmission assembly from the vehicle. <Ref. to 4AT-39, REMOVAL, Automatic Transmission Assembly.>
- 2) Extract the torque converter clutch assembly and oil pump shaft horizontally.

CAUTION:

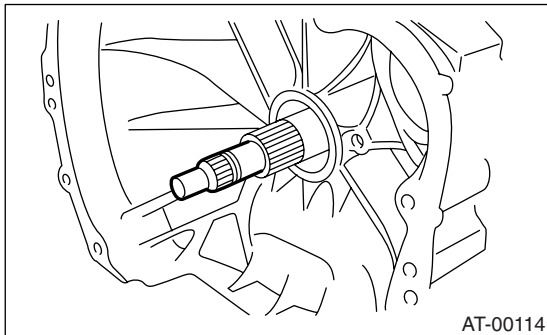
Be careful not to scratch the bushing inside the oil pump shaft.



- 3) Remove the input shaft.

NOTE:

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



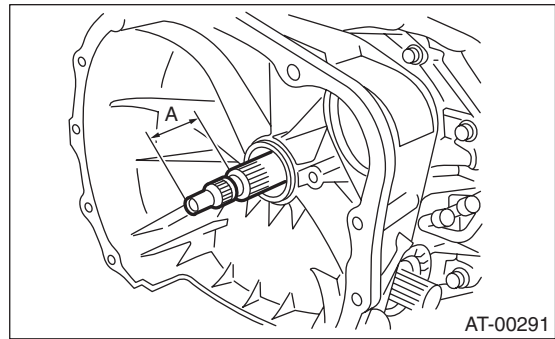
- 4) Remove the clip from torque converter clutch assembly.

B: INSTALLATION

- 1) Install the clip to torque converter clutch.
- 2) Install the oil pump shaft to the torque converter clutch assembly, and then check the clip fits securely in its groove.
- 3) Insert the input shaft while turning lightly by hand and verify the protrusion amount.

Normal protrusion A:

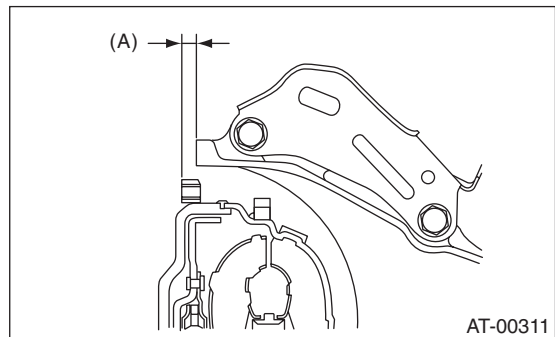
50 — 55 mm (1.97 — 2.17 in)



- 4) Holding the torque converter clutch assembly by hand, carefully install it to the torque converter clutch case. Be careful not to damage the bushing. Also avoid undue contact between the oil pump shaft bushing and stator shaft portion of the oil pump cover.
- 5) Rotate the oil pump shaft lightly by hand to engage the splines securely. And then, measure the dimension A by referring to the following figure.

Dimension A:

2.7 — 2.9 mm (0.106 — 0.114 in)



(A) Dimension A

- 6) Install the transmission assembly to vehicle. <Ref. to 4AT-42, INSTALLATION, Automatic Transmission Assembly.>

C: INSPECTION

Make sure the ring gear is not damaged and that the protrusion on the edge of the torque converter clutch is not deformed or otherwise damaged.