

TRANSFER CLUTCH PRESSURE TEST

AUTOMATIC TRANSMISSION

8. Transfer Clutch Pressure Test

A: INSPECTION

1. TEST METHODS

• MPT model

Check the transfer clutch pressure in accordance with the following chart in the same manner as with line pressure. <Ref. to AT-36, Line Pressure Test.>

ST 498897700 OIL PRESSURE ADAPTER
SET

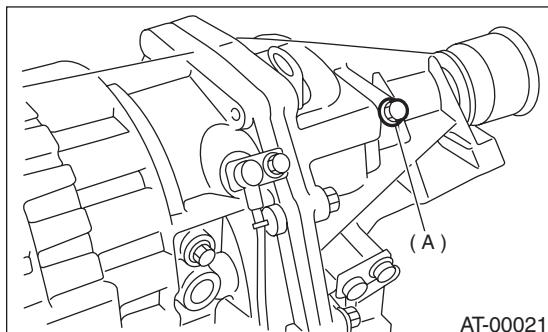
ST 498575400 OIL PRESSURE GAUGE
ASSY

AWD mode: "D" range

FWD mode: "P" range, engine speed 2,000 rpm

CAUTION:

Before setting in FWD mode, install the spare fuse on FWD mode switch.



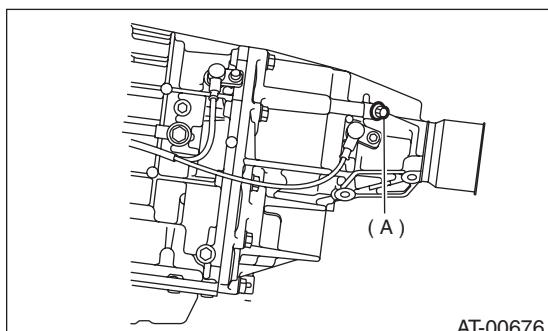
(A) Test plug

• VTD model

Check the transfer clutch pressure in accordance with the following chart in the same manner as with line pressure.

ST 498897700 OIL PRESSURE ADAPTER
SET

ST 498575400 OIL PRESSURE GAUGE
ASSY



(A) Test plug

2. EVALUATION

• MPT model

NOTE:

If oil pressure is not produced or if it does not change in the AWD mode, the AWD duty solenoid or transfer valve assembly may be malfunctioning. If oil pressure is produced in the FWD mode, the problem is similar to that in the AWD mode.

Standard transfer clutch pressure kPa (kg/cm ² , psi)			
ON duty ratio (%)	Throttle position	AWD mode	FWD mode
5	Wide open	951 — 1,089 (9.7 — 11.1, 138 — 158)	—
60	2/3 throttle	226 — 294 (2.3 — 3.0, 38 — 43)	—
95	Fully closed	—	0 (0, 0)

• VTD model

OFF duty ratio (%)	Throttle position	Standard transfer clutch pressure kPa (kg/cm ² , psi)
95	Wide open	951 — 1,089 (9.7 — 11.1, 138 — 158)
40	2/3 throttle	226 — 294 (2.3 — 3.0, 38 — 43)