

8. Transfer Clutch Pressure Test

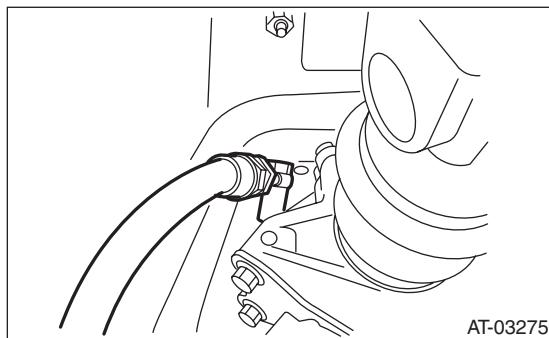
A: INSPECTION

- 1) Lift up the vehicle.
- 2) Remove the bolts holding the heat shield cover, and move the heat shield cover to the rear.
- 3) Remove the test plug and install the ST.

CAUTION:

Be careful not to cut yourself on the heat shield cover when removing the test plugs and setting the ST.

ST 498897800 OIL PRESSURE ADAPTER SET



- 4) Set the ST.

ST 498575400 OIL PRESSURE GAUGE ASSY

- 5) Lower the vehicle, and pull ST, which were set in step 4), into the vehicle.
- 6) Connect the Subaru Select Monitor to the data link connector and read the current data. <Ref. to 5AT(diag)-18, Read Current Data.>
- 7) Perform the transfer clutch pressure test in the same manner as the line pressure test.

NOTE:

- Do not perform the transfer clutch pressure test for 5 seconds or more at a time. Doing so will make the engine oil and ATF deteriorate and the clutch and brake to be adversely affected.
- After performing the transfer clutch pressure test, be sure to cool down the engine for at least one minute with the select lever set in the “P” or “N” range, and at an idle speed of 1,200 rpm or less.
- Adjust the accelerator pedal opening angle in order to obtain the “T/F solenoid target pressure” displayed on the Subaru Select Monitor.

Range of the select lever	Accelerator pedal opening angle	ATF temperature condition	“T/F Solenoid Target Pressure” displayed on the Subaru Select Monitor kPa	Standard transfer clutch pressure kPa (kg/cm ² , psi)
2nd gear of manual mode	Partial throttle	45 — 55°C (113 — 131°F)	400	300 — 500 (3.06 — 5.10, 43.5 — 72.5)
N	Full closed		0	0 — 50 (0 — 0.51, 0 — 7.2)

- 8) Remove the ST and install the test plug.

NOTE:

Use new O-rings.

Tightening torque:

13 N·m (1.3 kgf·m, 9.6 ft-lb)

- 9) Install the heat shield cover. <Ref. to EI-174, INSTALLATION, Heat Shield Cover.>