

7. Line Pressure Test

A: MEASUREMENT

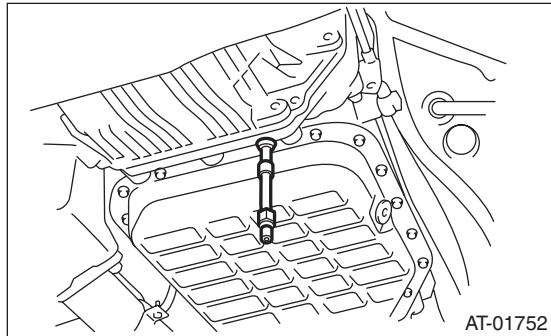
NOTE:

If the clutch or brake shows a sign of slippage, or shifting interval is not correct, check the line pressure.

- Excessive shock during up-shift may be due to the line pressure being too high.
- Slippage or inability to operate the vehicle may, in most cases, be due to loss of oil pressure for the operation of clutch, brake or control valve.

- 1) Set the vehicle on a lift.
- 2) Remove the under cover.
- 3) Remove the test plug and attach the ST.

ST 498897200 OIL PRESSURE ADAPTER



- 4) Set the ST1 and ST2.

ST1 498897200 OIL PRESSURE ADAPTER
ST2 498575400 OIL PRESSURE GAUGE ASSY

- 5) Lower the vehicle, and pull ST1 and ST2 into the vehicle.

ST1 498897200 OIL PRESSURE ADAPTER
ST2 498575400 OIL PRESSURE GAUGE ASSY

- 6) Connect the Subaru Select Monitor to the data link connector and read the current data. <Ref. to 5AT(diag)-16, READ CURRENT DATA, OPERATION, Subaru Select Monitor.>

- (1) Start the engine.
- (2) Run the Subaru Select Monitor.
- (3) On the «Main Menu» display screen, select the {Each System Check}.
- (4) On the «System Selection Menu» display screen, select {Transmission Control System}.
- (5) Select the [OK] after the information of transmission type is displayed.
- (6) On the «Transmission Diagnosis» display screen, select {Current Data Display & Save}.
- (7) On the «Transmission Diagnosis» display screen, select the {Data Display}.
- (8) Using the scroll key, display the «P/L solenoid target oil pressure».

- 7) Perform the line pressure test.

NOTE:

- Do not perform the line 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 line pressure test, be sure to cool down the engine for at least one minute with the select lever set in "P" or "N" range and with the idle speed at 1,200 rpm or less.
- Adjust the throttle valve angle in order to match the "P/L Solenoid Pressure" displayed on the Subaru Select Monitor.

| Range of the selector lever | Throttle valve angle | ATF temperature condition | "P/L Solenoid Pressure" displayed on the Subaru Select Monitor kPa | Standard line pressure kPa (kg/cm ² , psi) |
|-----------------------------|----------------------|----------------------------|--|---|
| D | Full closed | 45 — 55°C (113 — 131°F) | 490 | 385 — 555 (3.93 — 5.66, 55.8 — 80.5) |
| | Full open | | 1,370 | 1,235 — 1,475 (12.59 — 15.04, 179.1 — 213.9) |
| R | Full closed | | 1,370 | 1,530 — 1,925 (15.60 — 19.6, 221.9 — 279.2) |