

19. Air Bleeding of Control Valve

A: GENERAL DESCRIPTION

- When ATF is drained from the automatic transmission, make sure to bleed air from the control valve after filling with the specified amount of ATF.
- Follow the messages displayed on the Subaru Select Monitor when working.

B: PROCEDURE

1. PREPARATION FOR AIR BLEED

- 1) Cool down until the ATF temperature displayed on the Subaru Select Monitor is 60°C (140°F) or less.
- 2) Move the select lever to "P" range.
- 3) Fully apply the parking brake.
- 4) Lift up the vehicle.

CAUTION:

While working, be sure to keep the lower edge of the tires 30 cm or more above the ground as vehicle will vibrate.

- 5) Connect the Subaru Select Monitor to the data link connector.
- 6) Turn the ignition switch to ON.
- 7) Turn off all switches causing an electrical load, such as headlights, A/C, seat heater and rear defogger.

2. AIR BLEEDING PROCEDURES

CAUTION:

Do not turn the power of the Subaru Select Monitor OFF during work, and do not disconnect the data link connector.

- 1) Select {Learning and inspection mode related to AT} in the «Transmission Diagnosis» screen of the Subaru Select Monitor.
- 2) Select {AT air bleeding mode} in the «Learning and inspection mode related to AT» screen of the Subaru Select Monitor.
- 3) Follow the messages displayed on the Subaru Select Monitor screen when working.

NOTE:

When «AT air bleeding in progress», the «SPORT» light in the combination meter will flash at 2 Hz, and air bleed will start. When the indicator light flashing at 2 Hz turns off, the following message will appear on the screen.

- 4) Air bleed is complete when a message «AT air bleeding normally ended» is displayed.

NOTE:

- If a communication error occurs during air bleed, start the «AT air bleeding» over from the beginning.
- If the message «Execute AT learning again after fixing troubles of the vehicle» appears during air bleed, select [OK] and display the DTC list. After repairing the locations indicated by the DTC, start the «AT air bleeding» over from the beginning.
- If the message «AT air bleeding ended abnormally» is displayed, start the «AT air bleeding» over from the beginning.

Message	Main reasons for abnormal termination
«AT air bleeding ended abnormally»	• A failure was detected during AT air bleed • The accelerator was stepped on during AT air bleed. • An unspecified operation was performed during AT air bleed • Brake pedal not stepped on firmly enough. • Side brake not applied strongly enough. • Abnormal idle speed increase

- For operation procedures, refer to the "PC application help for Subaru Select Monitor".