

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 BLEEDING

- 1) Cool down until the ATF temperature displayed on the Subaru Select Monitor is 60°C (140°F) or less.
- 2) Shift 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 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, etc.

2. AIR BLEEDING

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» display screen of the Subaru Select Monitor.
- 2) Select {AT air bleeding mode} in the «Learning and inspection mode related to AT» display 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 "AT OIL TEMP" 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.

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AUTOMATIC TRANSMISSION

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.
- When communication error occurs during air bleeding, select lever does not shift occasionally. If select lever does not shift, turn the ignition switch to OFF before operating the select lever.

| Message | Main reasons for abnormal termination |
|-------------------------------------|--|
| “AT air bleeding ended abnormally.” | <ul style="list-style-type: none">• A failure was detected during AT air bleeding• The accelerator pedal is depressed during AT air bleeding.• An unspecified operation was performed during AT air bleeding• Brake pedal is not depressed fully.• Parking brake not applied strongly enough.• Abnormal idle speed increase, etc. |

- For details concerning the operation procedure, refer to “PC application help for Subaru Select Monitor”.