

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.
- Perform the procedures according to the message displayed on the Subaru Select Monitor.

B: PROCEDURE

1. PREPARATION FOR AIR BLEEDING

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

CAUTION:

Be sure to keep the lowest edge of the tires 30 cm or more off the ground because the vehicle vibrates during the work.

- 5) Connect the Subaru Select Monitor to the data link connector.
- 6) Turn the ignition switch to ON.
- 7) Turn OFF all switches, which produce an electrical load, including headlight, air conditioner, seat heater, rear defogger, etc.

2. AIR BLEEDING

CAUTION:

Do not turn the power of the Subaru Select Monitor to OFF or disconnect the data link connector during the operation.

- 1) Select {Learning and inspection mode related to AT} on the «Transmission Diagnosis» display screen of Subaru Select Monitor.
- 2) Select {AT air bleeding mode} on the «Learning and inspection mode related to AT» display screen of Subaru Select Monitor.
- 3) Perform the procedures according to the message displayed on the Subaru Select Monitor.

NOTE:

During air bleeding in progress, AT OIL TEMP light in the combination meter starts flashing at a cycle of 2 Hz and air bleeding starts. The following message is displayed on the screen when the indicator light turns off.

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AUTOMATIC TRANSMISSION

4) When “AT air bleeding normally ended.” is displayed, air bleeding is completed.

NOTE:

- If communication error occurs during air bleeding, retry AT air bleeding from the beginning.
- If “Execute AT learning again after fixing troubles of the vehicle” is displayed during air bleeding, select [OK] to display the “List of Diagnostics Trouble Code”. Retry AT air bleeding from the beginning after repairing the DTC detecting portion.
- If “AT air bleeding ended abnormally.” is displayed, retry AT air bleeding from the beginning.

Message	Primary cause of abnormal end
“AT air bleeding ended abnormally.”	<ul style="list-style-type: none">• Fault is detected during AT air bleeding.• The accelerator pedal is depressed during AT air bleeding.• Operation which is not directed is performed during AT air bleeding.• The brake pedal is not depressed fully.• The parking brake is not applied fully.• Abnormal idle rise occurs. Other similar causes are probable.

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