

11. Learning Control

A: GENERAL DESCRIPTION

- After performing the following services, perform the transmission learning operation.
Replacement of TCM/Replacement or disassembly of transmission assembly/Replacement of control valve body/Performing "Clear Memories 2".
- Perform the procedures according to the message displayed on the Subaru Select Monitor.

B: PROCEDURE

1. PREPARATION FOR LEARNING

- 1) Warm-up or cool down until the ATF temperature displayed on the Subaru Select Monitor reaches 60 — 80°C (140 — 176°F).
- 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.
- 8) Turn the ECO switch to ON for model with ECO switch. Turn the SPORT mode switch to OFF for model with SPORT mode. Turn the POWER/HOLD switch to OFF for model with POWER/HOLD switch. Set to I mode for model with SI-DRIVE.

NOTE:

Error message is not displayed even when an incorrect mode is set. While the operation is continued, "AT learning promoting" is displayed, but it cannot end normally. If the message does not change after 2 minutes have passed, retry "AT learning mode" from the beginning.

2. SIMPLE LEARNING

NOTE:

Simple learning is learning performed with the vehicle lifted, without actually running the vehicle.

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 learning 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 AT learning in progress, SPORT indicator light in the combination meter starts flashing at 2 Hz and the learning operation starts. The following message is displayed on the screen when the SPORT indicator light turns off.

Learning Control

AUTOMATIC TRANSMISSION (DIAGNOSTICS)

4) "AT learning normally ended." is displayed, simple AT learning is completed.

NOTE:

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

Message	Primary cause of abnormal end
"AT learning ended abnormally."	• Fault is detected during AT learning. • The accelerator pedal is depressed during AT learning. • Operation which is not directed is performed during AT learning. • 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".