

Variator Chain Break-in

CONTINUOUSLY VARIABLE TRANSMISSION

4. Variator Chain Break-in

A: GENERAL DESCRIPTION

Perform Variator Chain Break-in when the following work has been performed.

- Variator chain replacement
- Primary pulley and secondary pulley replacement

B: PROCEDURE

NOTE:

- During variator chain break-in, VDC warning light and EPB warning light illuminate because of the difference between the vehicle speed value and G sensor value. This is not the malfunction. If the warning light illuminates, clear the VDC and EPB memory after the variator chain break-in is finished. <Ref. to VDC(diag)-25, Clear Memory Mode.> <Ref. to PB(diag)-25, Clear Memory Mode.>

- During variator chain break-in, if the above malfunction code is detected, fail mode is entered. If this happens, symptom such as engine speed rapid increase occurs, even when the accelerator pedal is depressed gradually.

1) Lift up the vehicle.

CAUTION:

Lift up the vehicle until the tire bottom is 0.3 m (0.98 ft) or more above the ground.

2) Shift the select lever from “P” to “N” range.

3) Apply the electronic parking brake.

4) Connect the Subaru Select Monitor to data link connector.

5) Idle the engine to raise CVTF temperature to 40 — 50°C (104 — 122°F) on Subaru Select Monitor.

NOTE:

When CVTF temperature does not rise easily or if you want to rise CVTF temperature faster, maintain the engine speed within 2,000 - 2,500 rpm at “P” or “N” range to raise the CVTF temperature.

6) With the select lever in “P” or “N” range, increase the engine speed to 3,000 - 3,500 rpm from the idling condition, and maintain approximately five seconds, then release the accelerator pedal.

7) Depress the accelerator pedal gradually again from idling condition to increase the engine speed to 3,000 - 3,500 rpm, and maintain approximately five seconds, then release the accelerator pedal.

8) Release the electronic parking brake.

9) Shift the select lever into manual mode to set the 1st.

10) Depress the accelerator pedal gradually, and increase the engine speed to 5,300 rpm from engine idling condition.

NOTE:

Increase the engine speed while observing it, so as not to overspeed the engine.

11) Return the accelerator pedal to fully closed position to lower the engine speed to 4,000 rpm.

12) Depress the accelerator pedal gradually again, and increase the engine speed to 5,300 rpm.

13) Repeat the step 11) and 12) for 40 times.

14) Return the accelerator pedal to return the engine idling speed.

15) Shift the select lever to “P” range, and then turn the engine to OFF.