

Transfer Clutch Pressure Test

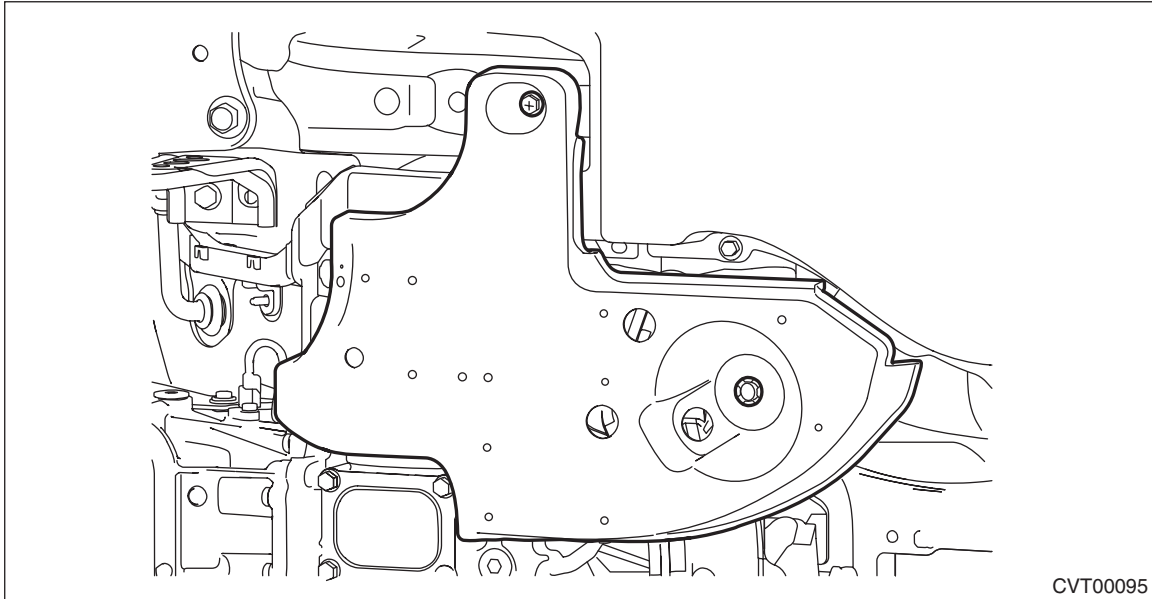
CONTINUOUSLY VARIABLE TRANSMISSION

10. Transfer Clutch Pressure Test

A: INSPECTION

CAUTION:

- Directly after the vehicle has been running or the engine has been idling for a long time, the CVTF is hot. Be careful not to burn yourself.
 - Make sure no other person is around the vehicle during transfer clutch pressure test measurement.
- 1) Lift up the vehicle.
 - 2) Remove the under cover front - cable.



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CONTINUOUSLY VARIABLE TRANSMISSION

3) Remove the transfer clutch pressure test plug, and install ST1 and ST2.

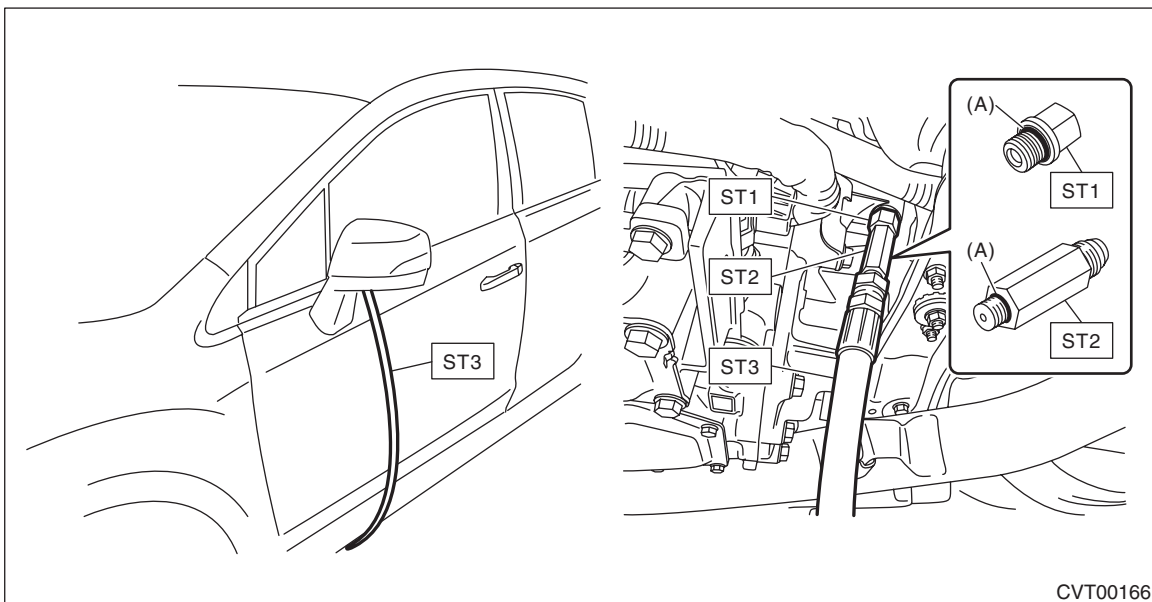
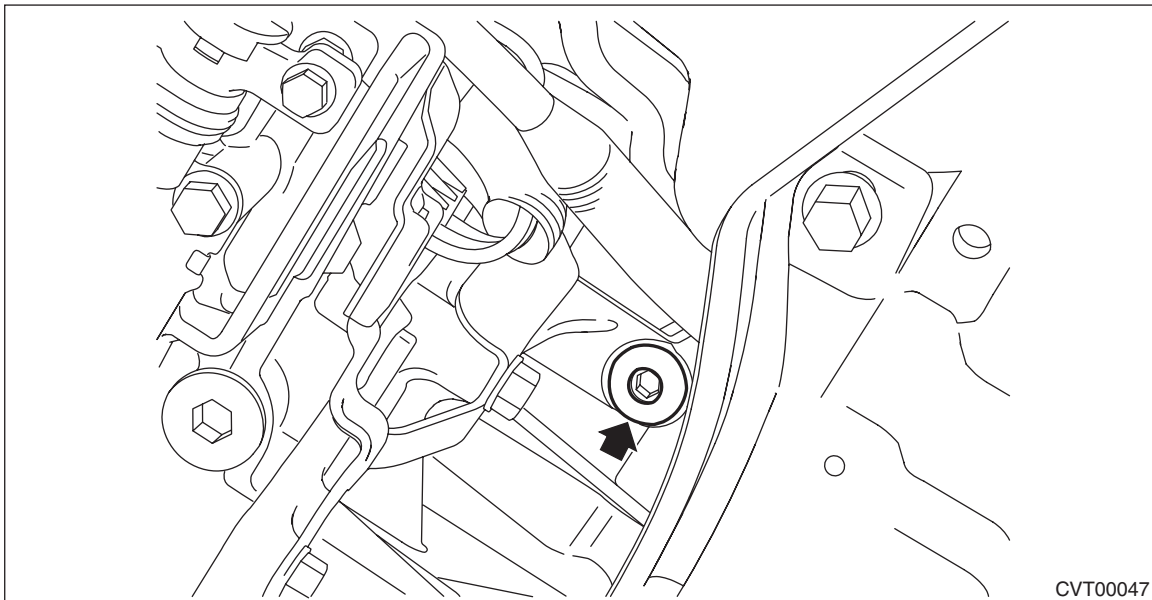
CAUTION:

Removal of the test plug and installation of the ST shall be both performed quickly.

NOTE:

- Use ST1 (PRESSURE GAUGE ADAPTER) with genuine O-ring (part No. 806911080) attached.
- Use ST2 (OIL PRESSURE GAUGE ADAPTER) with genuine O-ring (part No. 806908070) attached.

ST1 18681AA000 PRESSURE GAUGE ADAPTER
ST2 498897200 OIL PRESSURE GAUGE ADAPTER
ST3 498575400 OIL PRESSURE GAUGE ASSY



(A) O-ring (genuine part)

4) Lower the vehicle.

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- 5) Connect the Subaru Select Monitor to the data link connector and read the current data.
- 6) Check the transfer clutch pressure as in secondary pressure (line pressure) test. <Ref. to CVT(TH58A)-54, Secondary Pressure (Line Pressure) Test.>

NOTE:

- Use Subaru Select Monitor for switching to FWD mode. <Ref. to CVT(TH58A)-49, AWD ON/OFF Switching Mode.>
- If no oil pressure is produced, if it does not change in AWD mode or if oil pressure is produced in FWD mode, there may be a problem in the control valve body.

Range position	ON Duty ratio (%)	Accelerator pedal opening angle (%)	Standard transfer clutch pressure kPa (kgf/cm ² , psi)	
			AWD mode	FWD mode
D	85 — 100	Fully opened (100)	800 — 1,200 (8.2 — 12.2, 117 — 174)	—
	60	Adjust ON Duty ratio to 60%.	400 — 700 (4.1 — 7.1, 58 — 102)	—
	0	Fully closed (0)	—	0 (0, 0)
N or P	25 — 40	Fully closed (0)	30 — 300 (0.3 — 3.1, 4 — 43)	—

- 7) Lift up the vehicle.
- 8) Remove the ST and install the plug.

NOTE:

- Use new O-rings.
- Apply CVTF to the O-ring.

Tightening torque:

25 N·m (2.5 kgf-m, 18.4 ft-lb)

- 9) Install the under cover front - cable.

Tightening torque:

18 N·m (1.8 kgf-m, 13.3 ft-lb)

- 10) Adjust the CVTF level. <Ref. to CVT(TH58A)-41, ADJUSTMENT, CVTF.>