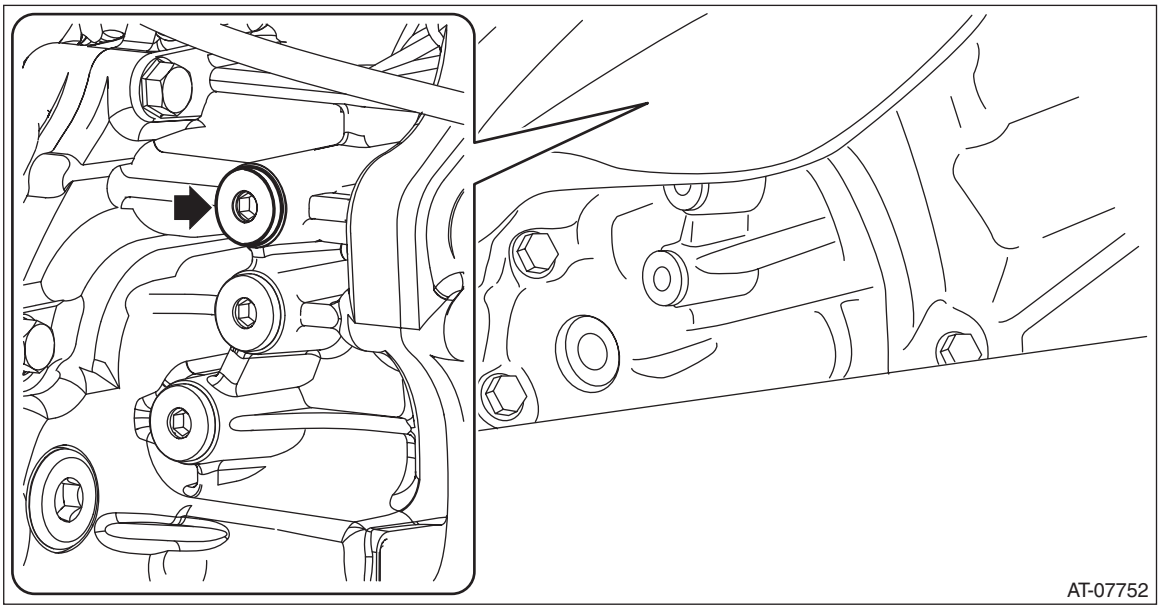
9. Transfer Clutch Pressure Test

A: INSPECTION

1) Lift up the vehicle.
2) Remove the test plug.

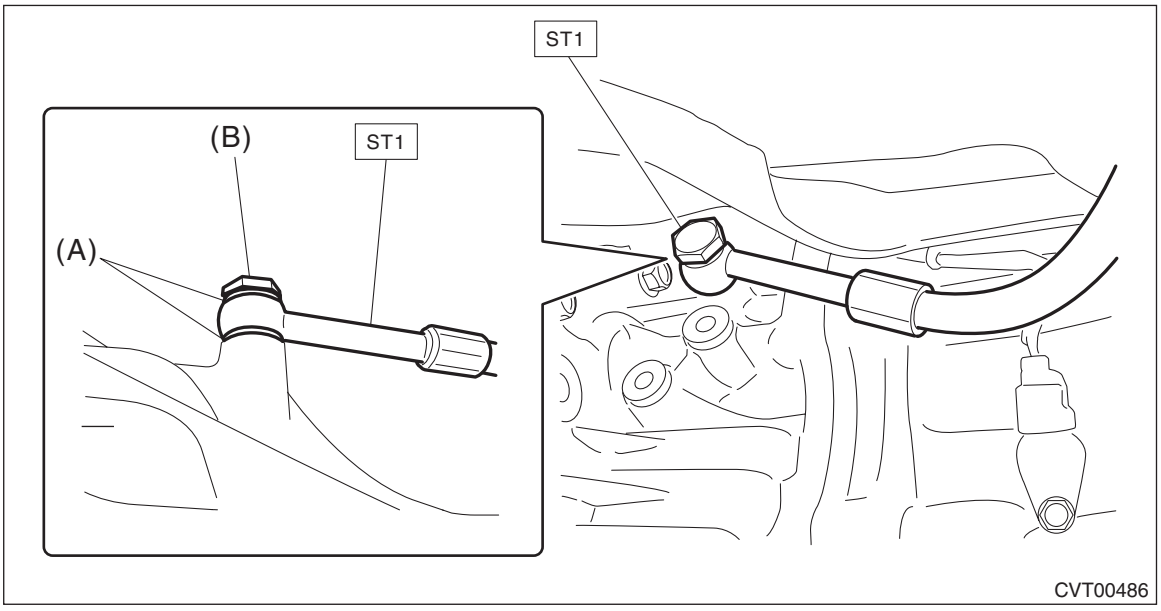


3) Set the ST1, ST2, ST3 and ST4 to the transmission.

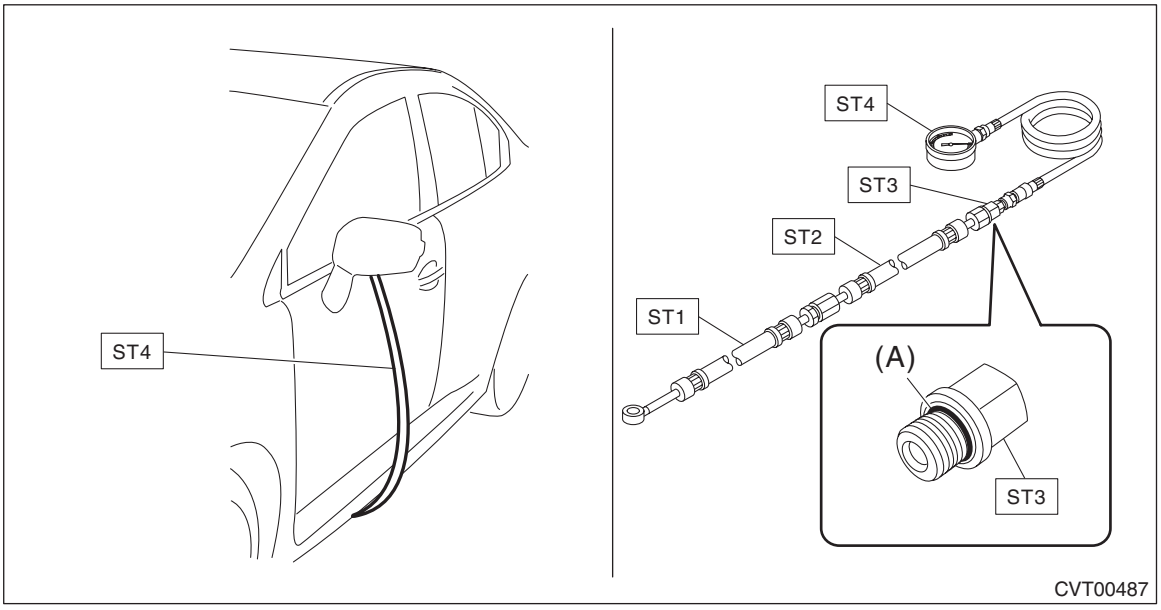
CAUTION:
Be careful when setting tools so that the hoses do not touch the exhaust pipes.

NOTE:
• Use ST1 ADAPTER HOSE B with genuine union screw (part No. 801914010) and gasket (part No. 803914060) attached.
• Use ST3 PRESSURE GAUGE ADAPTER with genuine O-ring (part No. 806911080) attached.

ST1 34099AC020 ADAPTER HOSE B
ST2 34099AC010 ADAPTER HOSE A
ST3 18681AA000 PRESSURE GAUGE ADAPTER
ST4 498575400 OIL PRESSURE GAUGE ASSY



(A) Gasket (genuine part)
(B) Union screw (genuine part)



(A) O-ring (genuine part)

4) Lower the vehicle.
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(TR690)-49, Secondary Pressure (Line Pressure) Test.>

NOTE:
If oil pressure is not produced or it does not change, the control valve body may be malfunctioning.

Range position	ON Duty ratio (%)	Accelerator pedal opening angle (%)	Standard transfer clutch pressure kPa (kgf/cm^2, psi)
D	95 — 100	Fully opened (100)	1,000 — 1,200 (10.2 — 12.2, 145 — 174)
	60	Adjust ON Duty ratio to 60%.	400 — 700 (4.1 — 7.1, 58 — 102)
	0	Fully closed (0)	—
N or P	0	Fully closed (0)	0

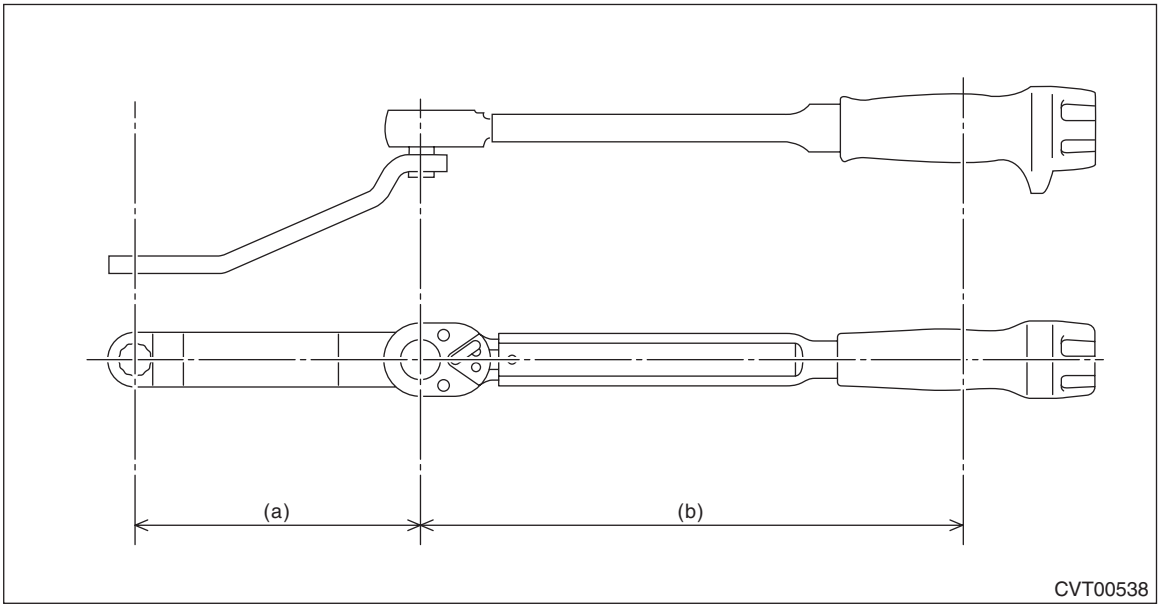
7) Lift up the vehicle.
8) Remove the ST.

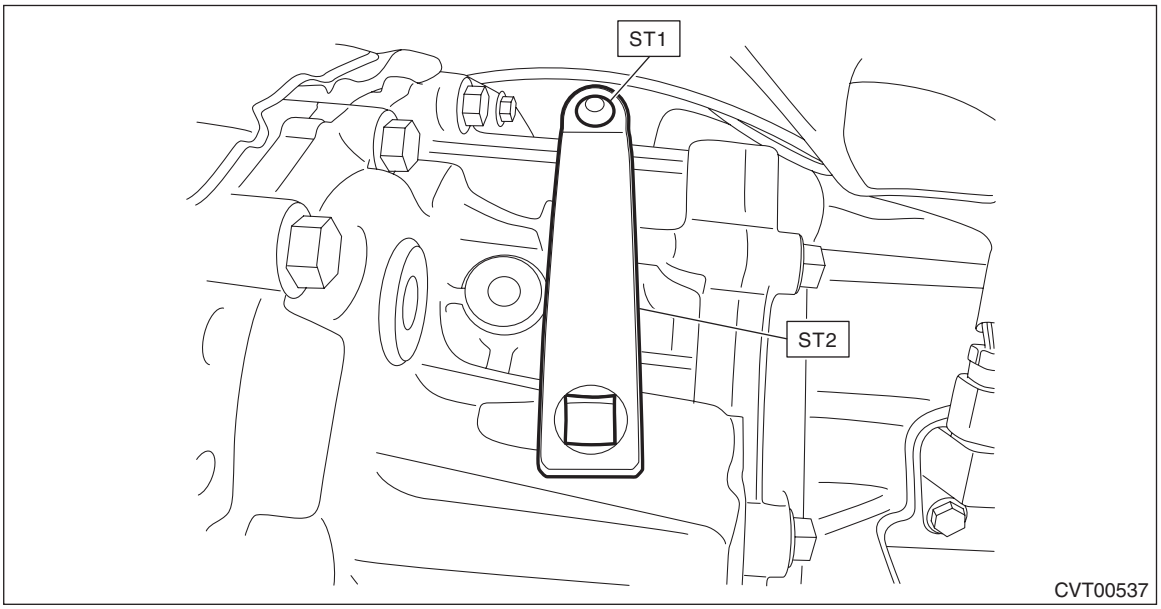
9) Install the test plug using ST1 and ST2.

NOTE:
- Use new O-rings.
- Apply CVTF to the O-rings.
- Tighten the test plug while directly aligning ST2 and torque wrench.

ST1 18270AA040 SOCKET
ST2 73099SG000 SPECIAL TOOL CONDENSER
Using the following formula, calculate the tightening torque for a torque wrench.
T2 = L2/(L1 + L2) × T1
T1: 25 N·m (2.5 kgf-m, 18.4 ft-lb)
L1: ST2 length 0.1 m (3.94 in) (a)
L2: Torque wrench length (b) m (in)

[Required torque setting]
T2: Tightening torque: N·m (kgf-m, ft-lb)





10) Lower the vehicle.