

Diagnostic Procedure without Diagnostic Trouble Code (DTC)

CONTINUOUSLY VARIABLE TRANSMISSION (DIAGNOSTICS)

18. Diagnostic Procedure without Diagnostic Trouble Code (DTC)

A: CHECK SHIFT INDICATOR

DIAGNOSIS:

- CAN communication is abnormal with the combination meter.
- Combination meter malfunction

TROUBLE SYMPTOM:

- Shift indicator does not display or remains displayed.
- Shift indicator display does not change.

Step	Check	Yes	No
1 CHECK DTC. Read the DTC relating the TCM using the Subaru Select Monitor.	Is DTC U0155 or U0423 displayed?	Perform the self-diagnosis of combination meter.	Go to step 2.
2 CHECK DTC. Read the DTC relating the TCM using the Subaru Select Monitor.	Are DTCs other than U0155 and U0423 displayed?	Perform the diagnosis according to DTC.	Go to step 3.
3 CHECK COMBINATION METER. Read DTC of combination meter.	Is DTC displayed?	Perform the diagnosis according to DTC.	Go to step 4.
4 CHECK TCM. 1) Operate the + side of the paddle shift switch. 2) Read the data of «Up Switch» using the Subaru Select Monitor.	Does it change between ON and OFF according to the operation?	Go to step 5.	Check for poor contact between TCM and paddle shift UP switch, and repair the defective part.
5 CHECK TCM. 1) Operate the – side of the paddle shift switch. 2) Read the data of «Down Switch» using the Subaru Select Monitor.	Does it change between ON and OFF according to the operation?	Go to step 6.	Check for poor contact between TCM and paddle shift down switch, and repair the defective part.
6 CHECK TCM. 1) Turn the ignition switch OFF, then turn it ON again. 2) Shift the select lever to manual mode. 3) Read the data of «Shift step in Manu. mode» using the Subaru Select Monitor.	Is “1” displayed?	Go to step 7.	Perform the diagnosis according to DTC P0951. <Ref. to CVT(diag)-77, DTC P0951 MANUAL SWITCH, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
7 CHECK TCM. 1) Shift up the select lever. 2) Read the data of «Shift step in Manu. mode» using the Subaru Select Monitor.	Is “2” displayed?	Currently, shift indicator is normal.	Replace the TCM. <Ref. to CVT(TR690)-126, Transmission Control Module (TCM).>