

Diagnostic Procedure without Diagnostic Trouble Code (DTC)

AUTOMATIC TRANSMISSION (DIAGNOSTICS)

17. Diagnostic Procedure without Diagnostic Trouble Code (DTC)

A: CHECK SHIFT INDICATOR

DIAGNOSIS:

- Output signal circuit of shift indicator is open or shorted.
- 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 TCM. Check the DTC relating the TCM using the Subaru Select Monitor.	Is DTC displayed?	Perform the diagnosis according to DTC.	Go to step 2.
2 CHECK COMBINATION METER. Check the DTC of combination meter.	Is DTC displayed?	Perform the diagnosis according to DTC.	Go to step 3.
3 CHECK TCM. 1) Turn the ignition switch to OFF. 2) Connect the Subaru Select Monitor to data link connector. 3) Turn the ignition switch to ON. 4) Run the Subaru Select Monitor. 5) Shift the select lever to manual mode. 6) Read the data of «Gear Position» using Subaru Select Monitor.	Is the gear position “1”?	Go to step 4.	Replace the TCM. <Ref. to 5AT-56, Transmission Control Module (TCM).>
4 CHECK TCM. 1) Shift up the select lever. 2) Read the data of «Gear Position» using Subaru Select Monitor.	Is the gear position “2”?	Replace the combination meter assembly. <Ref. to IDI-25, Combination Meter.>	Replace the TCM. <Ref. to 5AT-56, Transmission Control Module (TCM).>