

# Basic Diagnostic Procedure

## LAN SYSTEM (DIAGNOSTICS)

### 1. Basic Diagnostic Procedure

#### A: PROCEDURE

##### 1. WITH SUBARU SELECT MONITOR

##### CAUTION:

- Subaru Select Monitor is required for reading DTC, performing diagnosis and reading current data.
- Remove foreign matter (dust, water, oil, etc.) from the body integrated unit connector during removal and installation.
- For model with immobilizer, registration of immobilizer may be needed after the replacement of controller etc. For detailed procedure, refer to the REGISTRATION MANUAL FOR IMMOBILIZER.

##### NOTE:

- To check harness for broken wires or short circuits, shake trouble spot or connector.
- Check List for Interview. <Ref. to LAN(diag)-3, Check List for Interview.>

Step	Check	Yes	No
<b>1 CHECK PRE-INSPECTION.</b> 1) Ask the customer when and how the trouble occurred using interview check list. <Ref. to LAN(diag)-3, Check List for Interview.> 2) Check the display of communication error display. (Combination meter, odo/trip meter)	Is the communication error displayed?	Go to step 3.	Go to step 2.
<b>2 BASIC INSPECTION</b> Check the components which might affect body control. <Ref. to LAN(diag)-5, INSPECTION, General Description.>	Is the component that might influence the body control problem normal?	Go to step 3.	Repair or replace each component.
<b>3 CHECK INDICATION OF DTC.</b> 1) Read DTC of all systems. <Ref. to LAN(diag)-12, READ DIAGNOSTIC TROUBLE CODE (DTC), OPERATION, Subaru Select Monitor.> <b>NOTE:</b> <ul style="list-style-type: none"> <li>• The LAN system is for the overall vehicle, so read the DTC of all systems.</li> <li>• If the communication function of the Subaru Select Monitor cannot be executed normally, check the communication circuit. &lt;Ref. to LAN(diag)-32, COMMUNICATION FOR INITIALIZING IMPOSSIBLE, Diagnostic Procedure with Diagnostic Trouble Code (DTC).&gt;</li> </ul> 2) Record all DTC.	Is a DTC other than CAN communication displayed in the output code? ECU: P0600 TCU: P1718 VDC CU: C0047 or C0057, etc.	Refer to the DTC related table. <Ref. to LAN(diag)-31, FUNCTION CHECK, DTC TABLE, List of Diagnostic Trouble Code (DTC).> Go to step 5.	Go to step 4.
<b>4 PERFORM GENERAL DIAGNOSTICS.</b> Inspect using "General Diagnostics Table". <Ref. to LAN(diag)-76, General Diagnostic Table.>	Is result of inspection OK?	LAN system is normal.	Go to step 5.
<b>5 PERFORM DIAGNOSIS.</b> 1) Correct the cause of trouble. 2) Perform the clear memory mode. <Ref. to LAN(diag)-21, CLEAR MEMORY MODE, OPERATION, Subaru Select Monitor.> 3) Read the DTC. <Ref. to LAN(diag)-12, READ DIAGNOSTIC TROUBLE CODE (DTC), OPERATION, Subaru Select Monitor.>	Is DTC displayed?	Repeat step 5 until DTC is not shown.	Finish the diagnosis.