

# 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 details, refer to the “PC application help for Subaru Select Monitor”.

##### NOTE:

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

Step	Check	Yes	No
<b>1</b> <b>CHECK PRE-INSPECTION.</b> Ask the customer when and how the trouble occurred using the interview check list. <Ref. to LAN(diag)-3, Check List for Interview.>	Did you interview the customer?	Go to step 2.	Interview the customer.
<b>2</b> <b>BASIC INSPECTION.</b> Check 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</b> <b>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.> NOTE: <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)-31, 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? ECM: P0600 TCM: P1718 VDCCM: C0047 or C0057, etc.	Refer to the DTC related table. <Ref. to LAN(diag)-30, DTC TABLE, LIST, List of Diagnostic Trouble Code (DTC).> Go to step 5.	Go to step 4.
<b>4</b> <b>PERFORM GENERAL DIAGNOSIS.</b> Inspect using the “General Diagnostics Table”. <Ref. to LAN(diag)-100, General Diagnostic Table.>	Is the result of inspection OK?	LAN system is normal.	Go to step 5.
<b>5</b> <b>PERFORM DIAGNOSIS.</b> 1) Correct the cause of trouble. 2) Perform the Clear Memory Mode. <Ref. to LAN(diag)-20, 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.