

Basic Diagnostic Procedure

LAN SYSTEM (DIAGNOSTICS)

1. Basic Diagnostic Procedure

A: PROCEDURE

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
1 CHECK PRE-INSPECTION. 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.
2 BASIC INSPECTION. 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.
3 CHECK INDICATION OF DTC. 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">• The LAN system is for the overall vehicle, so read the DTC of all systems.• If the communication function of the Subaru Select Monitor cannot be executed normally, check the communication circuit. <Ref. to LAN(diag)-25, COMMUNICATION FOR INITIALIZING IMPOSSIBLE, INSPECTION, Subaru Select Monitor.> 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)-34, DTC TABLE, LIST, List of Diagnostic Trouble Code (DTC).> Go to step 5.	Go to step 4.
4 PERFORM GENERAL DIAGNOSIS. Inspect using the “General Diagnostics Table”. <Ref. to LAN(diag)-85, General Diagnostic Table.>	Is the result of inspection OK?	LAN system is normal.	Go to step 5.
5 PERFORM DIAGNOSIS. 1) Correct the cause of trouble. 2) Perform the Clear Memory Mode. <Ref. to LAN(diag)-22, 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.