

# 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 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 <b>CHECK PRE-INSPECTION.</b> 1) Ask the customer when and how the trouble occurred using the interview check list. <Ref. to LAN(diag)-3, Check List for Interview.> 2) Check the display of communication error display. (combination meter, odometer/trip meter) (except meters with MID)	Is the communication error displayed?	Go to step 3.	Go to step 2.
2 <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.
3 <b>CHECK INDICATION OF DTC.</b> 1) Read the DTC. <Ref. to LAN(diag)-12, READ DIAGNOSTIC TROUBLE CODE (DTC), OPERATION, Subaru Select Monitor.>  NOTE: If the communication function of the Subaru Select Monitor cannot be executed properly, check the communication circuit. <Ref. to LAN(diag)-32, COMMUNICATION FOR INITIALIZING IMPOSSIBLE, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> 2) Record all DTC.	Is DTC displayed?	Go to step 5.	Go to step 4.
4 <b>PERFORM GENERAL DIAGNOSTICS.</b> Inspect using the "General Diagnostics Table". <Ref. to LAN(diag)-83, General Diagnostic Table.>	Is result of inspection OK?	LAN system is normal.	Go to step 5.
5 <b>PERFORM DIAGNOSIS.</b> 1) Correct the cause of trouble. 2) Perform 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.