

# 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                                |
|--|--|---------------------------------------|-----------------------------------|
| <b>1</b><br><b>CHECK PRE-INSPECTION.</b><br>1) Ask the customer when and how the trouble occurred using the interview check list. <Ref. to LAN(diag)-3, Check List for Interview.><br>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.                     |
| <b>2</b><br><b>BASIC INSPECTION.</b><br>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><br><b>CHECK INDICATION OF DTC.</b><br>1) Read the DTC. <Ref. to LAN(diag)-12, READ DIAGNOSTIC TROUBLE CODE (DTC), OPERATION, Subaru Select Monitor.><br>NOTE:<br>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).><br>2) Record all DTC. | Is DTC displayed?  | Go to step 5.                         | Go to step 4.                     |
| <b>4</b><br><b>PERFORM GENERAL DIAGNOSTICS.</b><br>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.                     |
| <b>5</b><br><b>PERFORM DIAGNOSIS.</b><br>1) Correct the cause of trouble.<br>2) Perform Clear Memory Mode. <Ref. to LAN(diag)-21, CLEAR MEMORY MODE, OPERATION, Subaru Select Monitor.><br>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.             |