1. Basic Diagnostic Procedure

A: PROCEDURE

CAUTION:
• **Subaru Select Monitor kit is required for reading DTC, performing diagnosis and reading current data.**
• **Before removal or installation, be sure to remove any foreign matter (dust, moisture, oil, etc.).**
• **For models with the keyless access system, registration of the immobilizer may be required after a replacement of the control module, etc. For detailed procedure, refer to the "REGISTRATION MANUAL FOR IMMOBILIZER".**

NOTE:
• Using the Function Setting (Customize), check that the keyless access system is not in a cancelled state. <Ref. to SL-110, OPERATION, Function Setting (Customize).>
• Check List for Interview <Ref. to KPS(diag)-3, Check List for Interview.>

Step	Check	Yes	No
1 **CHECK BATTERY.** Using a tester, measure the battery voltage.	Is the voltage 11 V or more?	Go to step **2**.	Charge or replace the battery and perform check pre-inspection. Go to step **2**.
2 **CHECK PRE-INSPECTION.** Use the interview check list to interview the user. <Ref. to KPS(diag)-3, Check List for Interview.>	Was the symptoms of the trouble recorded in the interview?	Go to step **3**.	Interview the user again.
3 **BASIC INSPECTION.** Check the DTC of the LAN system. <Ref. to LAN(diag)-7, INSPECTION, General Description.>	Is LAN system normal?	Go to step **4**.	Follow the DTC of the LAN system to repair or replace.
4 **CHECK TROUBLE SYMPTOM.** 1) Read diagnostic trouble code (DTC) for the keyless access system. <Ref. to KPS(diag)-21, OPERATION, Read Diagnostic Trouble Code (DTC).> NOTE: If the communication function of the Subaru Select Monitor cannot be executed properly, check the communication circuit. <Ref. to KPS(diag)-18, COMMUNICATION FOR INITIALIZING IMPOSSIBLE, Subaru Select Monitor.> 2) Record all DTCs, time stamp and freeze frame data. NOTE: For time stamp, refer to "LAN SYSTEM". <Ref. to LAN(diag)-6, TIME STAMP, CAUTION, General Description.>	Is DTC displayed on Subaru Select Monitor?	Perform diagnosis according to the DTC.	Go to step **5**.
5 **CHECK PHENOMENON LIST.** Check the "Phenomenon List". <Ref. to KPS(diag)-88, General Diagnostic Table.>	Is there a symptom that corresponds in the phenomenon list?	Perform diagnosis according to the procedures in the phenomenon list.	Go to step **6**.
6 **CHECK TROUBLE PHENOMENON.** 1) Perform check of current data. 2) Perform a function check. 3) Perform a unit check.	Was the trouble cause found?	Repair the cause of trouble.	Repeat a basic check again.