

Basic Diagnostic Procedure

KEYLESS ACCESS WITH PUSH BUTTON START SYSTEM (DIAGNOSTICS)

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.).
- Registration of immobilizer may be needed after the replacement of control modules, 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-128, OPERATION, Function Setting (Customize).>
- Check List for Interview <Ref. to KPS(diag)-4, Check List for Interview.>

Step	Check	Yes	No
1 CHECK BATTERY. Using a tester, measure the voltage for 12 volt auxiliary battery.	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)-4, 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. Perform the inspection for LAN system. <Ref. to LAN(w/o HEV)(diag)-2, PROCEDURE, Basic Diagnostic Procedure.> <Ref. to LAN(HEV)(diag)-2, PROCEDURE, Basic Diagnostic Procedure.>	Is LAN system normal?	Go to step 4.	Perform the inspection according to the diagnosis for LAN system. <Ref. to LAN(w/o HEV)(diag)-2, PROCEDURE, Basic Diagnostic Procedure.> <Ref. to LAN(HEV)(diag)-2, PROCEDURE, Basic Diagnostic Procedure.>
4 CHECK TROUBLE SYMPTOM. 1) Read diagnostic trouble code (DTC) for the keyless access system. <Ref. to KPS(diag)-29, 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)-26, 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(HEV)(diag)-6, TIME STAMP, CAUTION, General Description.>	Is DTC displayed on Subaru Select Monitor?	Perform diagnosis according to the DTC.	Go to step 5.

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Step	Check	Yes	No
5 CHECK PHENOMENON LIST. Check the "Phenomenon List". <Ref. to KPS(diag)-108, 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.