1. Basic Diagnostic Procedure

A: PROCEDURE

NOTE:

For diagnosis of model with keyless access, refer to "KEYLESS ACCESS WITH PUSH BUTTON START SYSTEM". <Ref. to KPS(diag)-2, Basic Diagnostic Procedure.>

Step	Check	Yes	No
1 **CHECK SECURITY INDICATOR LIGHT.** 1) Turn the ignition switch to "OFF" or "ACC". 2) Wait at least 60 seconds.	Does the security indicator light blink?	Go to step **2**.	Check the security indicator light circuit. <Ref. to IM(diag)-11, CHECK SECURITY INDICATOR LIGHT CIRCUIT, INSPECTION, Diagnostics Chart for Security Indicator Light.>
2 **CHECK KEY SWITCH.** Remove the key from ignition switch.	Does the security indicator light begin to blink within 1 second after the key is removed?	Go to step **3**.	Check the key switch circuit. <Ref. to IM(diag)-13, CHECK KEY SWITCH CIRCUIT, INSPECTION, Diagnostics Chart for Security Indicator Light.>
3 **CHECK SECURITY INDICATOR LIGHT.** Turn the ignition switch to ON.	Does the security indicator light go off?	Go to step **5**.	Go to step **4**.
4 **CHECK ENGINE START.** Turn the ignition switch to START.	Does the starter operate?	Check the LAN communication system. <Ref. to LAN(diag)-2, Basic Diagnostic Procedure.>	Go to step **7**.
5 **CHECK ENGINE START.** Turn the ignition switch to START.	Does the starter operate?	Go to step **6**.	Check the LAN communication system. <Ref. to LAN(diag)-2, Basic Diagnostic Procedure.>
6 **CHECK ENGINE START.** Turn the ignition switch to START.	Does the engine start?	Immobilizer system is normal.	Go to step **8**.
7 **CHECK DTC.** Read the DTC of body integrated unit using Subaru Select Monitor. <Ref. to IM(diag)-8, Subaru Select Monitor.>	Is the DTC displayed on screen?	Go to step **10**.	Replace the body integrated unit. <Ref. to SL-80, Body Integrated Unit.> Register all ignition keys (transponders). Refer to the "REGISTRATION MANUAL FOR IMMOBILIZER".

Step	Check	Yes	No
8 **CHECK DTC.** Read the DTC relating the ECM using the Subaru Select Monitor. <Ref. to IM(diag)-8, Subaru Select Monitor.>	Is the DTC displayed on screen?	Go to step **9**.	Perform the diagnosis for engine system. <Ref. to EN(H6DO)(diag)-75, PROCEDURE, Diagnostics for Engine Starting Failure.>
9 **CHECK FREEZE FRAME DATA.** Using the Subaru Select Monitor, check the Freeze Frame Data.	Was the Freeze Frame Data recorded?	Record the data. Go to step **10**.	Go to step **10**.
10 **PERFORM DIAGNOSIS.** 1) Inspect using the "Diagnostic Procedure with Diagnostic Trouble Code (DTC)". <Ref. to IM(diag)-16, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> 2) Repair the trouble cause. 3) Perform the Clear Memory Mode. 4) Read DTCs again.	Is the DTC displayed on screen?	Inspect using the "Diagnostic Procedure with Diagnostic Trouble Code (DTC)". <Ref. to IM(diag)-16, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>	Finish the diagnosis.