1. Basic Diagnostic Procedure

A: PROCEDURE

1. MODEL WITHOUT KEYLESS ACCESS WITH PUSH BUTTON START SYSTEM

CAUTION:

When the body integrated unit is replaced, registration of the immobilizer system is required. For details, refer to the "REGISTRATION MANUAL FOR IMMOBILIZER".

	Step	Check	Yes	No
1	CONFIRM NUMBER OF REGISTERED IM- MOBILIZER KEY. Confirm the number of registered immobilizer key. For details, refer to the "REGISTRATION MANUAL FOR IMMOBILIZER".	Is the number of registration 0?	Register the immo- bilizer system.	Go to step 2.
2	 CHECK SECURITY INDICATOR LIGHT. 1) Remove the ignition key from ignition switch. 2) Wait at least 60 seconds. 	Does the security indicator light blink?	Go to step 3.	Check the security indicator light cir- cuit. <ref. to<br="">IM(diag)-11, CHECK SECU- RITY INDICATOR LIGHT CIRCUIT, INSPECTION, Diagnostics Chart for Security Indica- tor Light.></ref.>
3	CHECK KEY SWITCH. Insert the ignition key in the ignition switch. (OFF or ACC)	Does the security indicator light remain blinking?	Check the key switch circuit. <ref. im(diag)-<br="" to="">13, CHECK KEY SWITCHCIRCUIT, INSPECTION, Diagnostics Chart for Security Indica- tor Light.></ref.>	Go to step 4.
4	CHECK SECURITY INDICATOR LIGHT. Check the security indicator light status in the condition of step 3.	Does the security indicator light go off?	Go to step 7.	Go to step 5.
5	CHECK SECURITY INDICATOR LIGHT. Turn the ignition switch to ON.	Does the security indicator light go off?	Go to step 7.	Go to step 6.
6	CHECK ENGINE START. Turn the ignition switch to START.	Does the starter operate?	Check the LAN communication system. <ref. to<br="">LAN(w/o HEV)(diag)-2, Basic Diagnostic Procedure.> <ref. to LAN(HEV)(diag)- 2, Basic Diagnostic Procedure.></ref. </ref.>	Go to step 8.
7	CHECK ENGINE START. Turn the ignition switch to START.	Does the engine start?	Immobilizer sys- tem is normal.	Go to step 9 .

Basic Diagnostic Procedure

	Step	Check	Yes	No
8	CHECK DTC. Read the DTC of body integrated unit and ECM and time stamp using Subaru Select Monitor. NOTE: For time stamp, refer to "LAN SYSTEM". <ref. to LAN(w/o HEV)(diag)-6, TIME STAMP, CAU- TION, General Description.> <ref. to<br="">LAN(HEV)(diag)-6, TIME STAMP, CAUTION, General Description.></ref.></ref. 	Is the DTC displayed on screen?	Go to step 10.	Replace the body integrated unit. <ref. sl-87,<br="" to="">Body Integrated Unit.></ref.>
9	CHECK DTC. Read the DTC of body integrated unit and ECM and time stamp using Subaru Select Monitor. NOTE: For time stamp, refer to "LAN SYSTEM". <ref. to LAN(w/o HEV)(diag)-6, TIME STAMP, CAU- TION, General Description.> <ref. to<br="">LAN(HEV)(diag)-6, TIME STAMP, CAUTION, General Description.></ref.></ref. 	Is the DTC displayed on screen?	Go to step 10.	Perform the diag- nosis for engine system. <ref. to<br="">EN(H4DO w/o HEV)(diag)-73, PROCEDURE, Diagnostics for Engine Starting Failure.> <ref. to<br="">EN(H4DO HEV)(diag)-70, PROCEDURE, Diagnostics for Engine Starting Failure.></ref.></ref.>
10	CHECK FREEZE FRAME DATA. Using the Subaru Select Monitor, check the Freeze Frame Data.	Are the data recorded?	Record the data. Go to step 11 .	Go to step 11.
11	 PERFORM DIAGNOSIS. 1) Inspect using the "Diagnostic Procedure with Diagnostic Trouble Code (DTC)". <ref. (dtc).="" code="" diagnostic="" im(diag)-16,="" procedure="" to="" trouble="" with=""></ref.> 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 Proce- dure with Diagnos- tic Trouble Code (DTC)". <ref. to<br="">IM(diag)-16, Diag- nostic Procedure with Diagnostic Trouble Code (DTC).></ref.>	Finish the diagno- sis.

2. MODEL WITH KEYLESS ACCESS WITH PUSH BUTTON START SYSTEM

NOTE:

For immobilizer diagnosis of model with the keyless access with push button start system, refer to "Keyless Access with Push Button Start System". <Ref. to KPS(diag)-2, Basic Diagnostic Procedure.>