

Basic Diagnostic Procedure

ENGINE (DIAGNOSTICS)

1. Basic Diagnostic Procedure

A: PROCEDURE

1. ENGINE

	Step	Check	Yes	No
1	<p>CHECK ENGINE START FAILURE.</p> <p>1) Ask the customer when and how the trouble occurred using the interview check list. <Ref. to EN(H6DO)(diag)-4, CHECK, Check List for Interview.></p> <p>2) Start the engine.</p>	Does the engine start?	Go to step 2.	Inspection using “Diagnostics for Engine Starting Failure”. <Ref. to EN(H6DO)(diag)-75, Diagnostics for Engine Starting Failure.>
2	<p>CHECK ILLUMINATION OF MALFUNCTION INDICATOR LIGHT.</p>	Does the malfunction indicator light illuminate?	Go to step 3.	Inspection using “General Diagnostic Table”. <Ref. to EN(H6DO)(diag)-426, INSPECTION, General Diagnostic Table.>
3	<p>CHECK COMMUNICATION STATUS.</p> <p>1) Turn the ignition switch to OFF.</p> <p>2) Connect the Subaru Select Monitor or general scan tool to the data link connector.</p> <p>3) Turn the ignition switch to ON, and run the Subaru Select Monitor or general scan tool.</p> <p>NOTE:</p> <ul style="list-style-type: none"> Subaru Select Monitor <p>For detailed procedures, refer to “Subaru Select Monitor”. <Ref. to EN(H6DO)(diag)-40, Subaru Select Monitor.></p> <ul style="list-style-type: none"> General scan tool <p>For detailed operation procedures, refer to the general scan tool operation manual.</p>	Does Subaru Select Monitor or general scan tool communicate with vehicle normally?	Go to step 4.	Inspection using “Diagnostic Procedure for Subaru Select Monitor Communication”. <Ref. to EN(H6DO)(diag)-95, Diagnostic Procedure for Subaru Select Monitor Communication.>
4	<p>CHECK DTC.</p> <p>Read DTC using Subaru Select Monitor or general scan tool.</p> <p>NOTE:</p> <ul style="list-style-type: none"> Subaru Select Monitor <p>Refer to “Read Diagnostic Trouble Code (DTC)” for detailed operation procedure. <Ref. to EN(H6DO)(diag)-48, Read Diagnostic Trouble Code (DTC).></p> <ul style="list-style-type: none"> General scan tool <p>For detailed operation procedures, refer to the general scan tool operation manual.</p>	Is DTC displayed on Subaru Select Monitor or general scan tool?	Record the DTC and freeze frame data. Repair the trouble cause. <Ref. to EN(H6DO)(diag)-97, List of Diagnostic Trouble Code (DTC).> After repair, go to the next step. Go to step 5.	Repair the related parts. NOTE: If DTC is not shown on display although the malfunction indicator light illuminates, perform the diagnosis of malfunction indicator light circuit or combination meter. <Ref. to EN(H6DO)(diag)-66, Malfunction Indicator Light.>

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5	PERFORM DIAGNOSIS. 1) Perform the Clear Memory Mode. <Ref. to EN(H6DO)(diag)-64, Clear Memory Mode.> 2) Perform the Inspection Mode or Drive Cycle. <Ref. to EN(H6DO)(diag)-49, Inspection Mode.> <Ref. to EN(H6DO)(diag)-55, Drive Cycle.>	Is DTC displayed on Subaru Select Monitor or general scan tool?	Inspect using "Diagnostic Procedure with Diagnostic Trouble Code (DTC)". <Ref. to EN(H6DO)(diag)-107, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>	Finish the diagnosis.