1. Basic Diagnostic Procedure

A: PROCEDURE

1. ENGINE

	Step	Check	Yes	No
1	CHECK ENGINE START FAILURE. 1) Ask the customer when and how the trouble occurred using the check list for interview. <ref. check="" check,="" en(h4so)-4,="" for="" interview.="" list="" to=""> 2) Start the engine.</ref.>	Does the engine start?	Go to step 2.	Inspection using "Diagnostics for Engine Start Failure". <ref. diagnostics="" en(h4so)-62,="" engine="" failure.="" for="" starting="" to=""></ref.>
2	CHECK ILLUMINATION OF MALFUNCTION INDICATOR LIGHT.	Does malfunction indicator light illuminate?	Go to step 3.	Inspection using "General Diagnostics Table". <ref. diagnostic="" en(h4so)-323,="" general="" inspection,="" table.="" to=""></ref.>
3	CHECK INDICATION OF DTC ON DISPLAY. 1) Turn the ignition switch to OFF. 2) Connect the Subaru Select Monitor or the OBD-II general scan tool to data link connector. 3) Turn the ignition switch to ON and the Subaru Select Monitor or OBD-II general scan tool switch to ON. 4) Read the DTC on the Subaru Select Monitor or OBD-II general scan tool.	Does the Subaru Select Monitor or OBD-II general scan tool indicate DTC?	Record the DTC. Repair the trouble cause. <ref. (dtc).="" ble="" code="" diagnostic="" en(h4so)-77,="" list="" of="" to="" trou-=""> Go to step 4.</ref.>	Repair the related parts. NOTE: If DTC is not shown on display although the malfunction indicator light illuminates, perform diagnostics of malfunction indicator light circuit or combination meter. <ref. en(h4so)-52,="" indicator="" light.="" malfunction="" to=""></ref.>
4	PERFORM THE DIAGNOSIS. 1) Perform the clear memory mode. <ref. clear="" en(h4so)-49,="" memory="" mode.="" to=""> 2) Perform the inspection mode. <ref. en(h4so)-40,="" inspection="" mode.="" to=""></ref.></ref.>	Does the Subaru Select Monitor or OBD-II general scan tool indicate DTC?	Inspect using "Diagnostics Procedure with Diagnostic Trouble Code (DTC)". <ref. (dtc).="" code="" diagnostic="" en(h4so)-84,="" procedure="" to="" trouble="" with=""></ref.>	Complete the diagnosis.

2. AUTOMATIC TRANSMISSION

When the DTC about automatic transmission is shown on display, carry out the following basic check. After that, carry out the replacement or repair work.

- 1) ATF level check <Ref. to 4AT-29, Automatic Transmission Fluid.>
- 2) Differential gear oil level check <Ref. to 4AT-30, Differential Gear Oil.>
- 3) ATF leak check <Ref. to 4AT-29, Automatic Transmission Fluid.>
- 4) Differential gear oil leak check <Ref. to 4AT-30, Differential Gear Oil.>
- 5) Stall test <Ref. to 4AT-32, Stall Test.>
- 6) Line pressure test <Ref. to 4AT-35, Line Pressure Test.>
- 7) Transfer clutch pressure test <Ref. to 4AT-37, Transfer Clutch Pressure Test.>
- 8) Time lag test <Ref. to 4AT-34, Time Lag Test.>
- 9) Road test <Ref. to 4AT-31, Road Test.>
- 10) Shift characteristics <Ref. to 4AT-37, Transfer Clutch Pressure Test.>