

# Basic Diagnostic Procedure

HVAC SYSTEM (AUTO A/C) (DIAGNOSTICS)

## 1. Basic Diagnostic Procedure

### A: PROCEDURE

NOTE:

When the sunload sensor check is performed indoors or in the shade, it could be diagnosed as having an open circuit of the sensor. Always perform the check in direct sunlight.

Step	Check	Yes	No
<b>1</b> <b>START INSPECTIONS.</b> 1) Prepare a tool. <Ref. to AC-18, PREPARATION TOOL, General Description.> 2) Perform the pre-inspection. <Ref. to AC(diag)-3, INSPECTION, General Description.>	Is a malfunction found in pre-inspection?	Solve the malfunction found in pre-inspection, and go to the next inspection procedure. Go to step 2.	Go to step 2.
<b>2</b> <b>PREPARE SUBARU SELECT MONITOR.</b> Prepare the Subaru Select Monitor.	Is the Subaru Select Monitor prepared?	Go to step 3.	Go to step 4.
<b>3</b> <b>CHECK DTC.</b> 1) Leave the vehicle in a troubled condition for one minute or more. 2) Read the DTC using Subaru Select Monitor. NOTE: • If the communication function of the Subaru Select Monitor cannot be executed properly, check the communication circuit. <Ref. to AC(diag)-46, COMMUNICATION FOR INITIALIZING IMPOSSIBLE, Diagnostic Procedure for Subaru Select Monitor Communication.> • Record the freeze frame data that is recorded with DTC.	Is DTC displayed?	<Ref. to AC(diag)-48, LIST, List of Diagnostic Trouble Code (DTC).>	Refer to Diagnostics with Phenomenon. <Ref. to AC(diag)-16, INSPECTION, Diagnostics with Phenomenon.>
<b>4</b> <b>A/C CONTROL PANEL SELF-DIAGNOSIS.</b> 1) Leave the vehicle in a troubled condition for one minute or more. 2) Perform the self-diagnosis of A/C control panel. <Ref. to AC(diag)-8, OPERATION, Diagnostic Chart for Self-Diagnosis.>	Is a malfunction detected?	Perform the diagnosis according to the self-diagnosis procedure.	Refer to Diagnostics with Phenomenon. <Ref. to AC(diag)-16, INSPECTION, Diagnostics with Phenomenon.>