

Basic Diagnostic Procedure

HVAC SYSTEM (DIAGNOSTICS)

1. Basic Diagnostic Procedure

A: PROCEDURE

Step	Check	Yes	No
1 START INSPECTIONS. 1) Perform the pre-inspection. <Ref. to AC(diag)-3, INSPECTION, General Description.> 2) Perform the self-diagnosis. <Ref. to AC(diag)-13, OPERATION, Diagnostic Chart for Self-Diagnosis.>	Does the self-diagnosis operate?	Go to step 2.	<Ref. to AC(diag)-16, A/C OR SELF-DIAGNOSIS SYSTEMS DO NOT OPERATE, Diagnostics for A/C System Malfunction.>
2 CHECK DTC. Read the DTC using Subaru Select Monitor. <Ref. to AC(diag)-31, OPERATION, Read Diagnostic Trouble Code (DTC).> NOTE: When freeze frame data is displayed with DTC, record all the data.	Is DTC displayed?	Perform the diagnosis according to DTC. <Ref. to AC(diag)-35, LIST, List of Diagnostic Trouble Code (DTC).>	Go to step 3.
3 CHECK COMPARTMENT TEMPERATURE. 1) Turn the A/C switch to ON. 2) Turn the temperature control switch at maximum cool position. 3) Check the compartment temperature change.	Does the compartment temperature drop?	Go to step 4.	Check the refrigerant pressure. <Ref. to AC-19, PROCEDURE, Refrigerant Pressure with Manifold Gauge Set.>
4 CHECK A/C SYSTEM RESPONSE. 1) Set the temperature setting to maximum hot position. 2) Check the compartment temperature change.	Does the compartment temperature rise?	A/C system electronic control circuit is normal.	<Ref. to AC(diag)-26, COMPARTMENT TEMPERATURE DOES NOT CHANGE, OR A/C SYSTEM DOES NOT RESPOND PROMPTLY, Diagnostics for A/C System Malfunction.>