

BASIC DIAGNOSTIC PROCEDURE

HVAC SYSTEM (AUTO A/C) (DIAGNOSTICS)

1. Basic Diagnostic Procedure

A: PROCEDURE

Step	Value	Yes	No
1 START INSPECTIONS. 1) Perform pre-inspection. 2) Perform self-diagnosis. <Ref. to AC-9, OPERATION, Self-Diagnosis Procedure.> Dose self-diagnosis operate?	Self-diagnosis operates.	Go to step 2.	<Ref. to AC-12, A/C AND/OR SELF-DIAGNOSIS SYSTEMS DO NOT OPERATE, Diagnostics for A/C System Failure.>
2 CHECK DTC. Check DTC. Is DTC indicated?	DTC indicated.	<Ref. to AC-24, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>	Go to step 3.
3 CHECK BLOWER MOTOR OPERATION. 1) Turn blower switch ON. 2) Check blower motor operation. Is blower motor rotated?	Blower motor rotates.	Go to step 4.	<Ref. to AC-14, BLOWER MOTOR DOES NOT ROTATE, Diagnostics for A/C System Failure.>
4 CHECK FRESH/RECIRC MODE. Change FRESH/RECIRC mode by pushing mode switch. Is FRESH/RECIRC mode changed?	FRESH/RECIRC mode changes.	Go to step 5.	<Ref. to AC-20, FRESH/RECIRC DOES NOT CHANGE, Diagnostics for A/C System Failure.>
5 CHECK COMPARTMENT TEMPERATURE. 1) Turn A/C switch ON. 2) Set temperature at 18°C (65°F) (MAX COOL). 3) Check compartment temperature changes. Is the compartment temperature changed?	Compartment temperature changes.	Go to step 6.	<Ref. to AC-16, COMPARTMENT TEMPERATURE DOES NOT CHANGE FROM "SET" TEMPERATURE OR AIR CONDITIONING SYSTEM DOES NOT RESPOND QUICKLY, Diagnostics for A/C System Failure.>
6 CHECK A/C SYSTEM RESPONSE. Change the temperature setting, and check response of A/C system. Dose A/C system respond quickly?	A/C system responds quickly.	A/C system is OK.	<Ref. to AC-16, COMPARTMENT TEMPERATURE DOES NOT CHANGE FROM "SET" TEMPERATURE OR AIR CONDITIONING SYSTEM DOES NOT RESPOND QUICKLY, Diagnostics for A/C System Failure.>

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