

SYMPTOM RELATED DIAGNOSTIC

HVAC SYSTEM (AUTO A/C) (DIAGNOSTICS)

9. Symptom Related Diagnostic

A: GENERAL DIAGNOSTICS TABLE

Symptom	A/C system fails to operate.	Burned-out fuse.	Illumination does not dim at night.	Blower motor does not rotate or rotates erroneously.	A/C does not change from "Fresh" to "Recirc" or vice versa.	Air outlet cannot be switched.	Compartment temperature does not increase (No hot air is discharged).	Compartment temperature does not decrease (No cool air is discharged).	Compartment temperature is higher than or lower than the set value.	Compartment temperature does not quickly respond to the set value.	Condenser fan does not operate during A/C operation.
Component parts											
Fuses (M/B No. 5, F/B No. 17)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>							
Poor connector contacts	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>			
Ground	<input type="radio"/>			<input type="radio"/>							
A/C control module	<input type="radio"/>		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		
Air mix door actuator and potentiometer (including links)							<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Mode door actuator and potentiometer (including links)						<input type="radio"/>					
Intake door actuator and potentiometer (including links)					<input type="radio"/>						
Blower fan motor	<input type="radio"/>			<input type="radio"/>							
Blower fan relay	<input type="radio"/>			<input type="radio"/>							
A/C relay	<input type="radio"/>							<input type="radio"/>			
Magnet clutch	<input type="radio"/>							<input type="radio"/>			
Radiator fan motors (Main and sub)								<input type="radio"/>			<input type="radio"/>
Radiator fan relays (Main and sub)								<input type="radio"/>			<input type="radio"/>
Sensors (In-vehicle, ambient, water temperature, evaporator, sunload, etc.)	<input type="radio"/> (Evaporator sensor)						<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
In-vehicle sensor aspirator duct							<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	

AC-00681

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