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Model Year Start: 2023	Model: Prius Prime	Prod Date Range: [03/2023 -]
Title: HEATING / AIR CONDITIONING: AIR CONDITIONING SYSTEM (for PHEV Model): Blower Motor does not Operate; 2023 - 2024 MY Prius Prime [03/2023 -]		

Blower Motor does not Operate

DESCRIPTION

If air does not flow from the registers after the blower switch on the air conditioning control assembly is operated, the following factors may be the cause.

MALFUNCTION STATUS	FACTOR
No air is discharged	<ul style="list-style-type: none"> • Blower motor with fan sub-assembly malfunction • Air conditioning amplifier assembly malfunction • Warm-up control • Engine coolant temperature sensor malfunction

PROCEDURE

1. CHECK AIR CONDITIONING SYSTEM (MANUAL MODE)

(a) Turn off the AUTO switch, operate the blower switch and check that the blower motor with fan sub-assembly can be operated manually.

OK:

The blower motor with fan sub-assembly operates normally.

NG  **GO TO OTHER DIAGNOSIS PROCEDURE (Blower Motor Circuit)**

OK



2. READ VALUE USING GTS (COOLANT TEMPERATURE)

(a) Read the Data List according to the display on the GTS.

Powertrain > Engine > Data List

TESTER DISPLAY	MEASUREMENT ITEM	RANGE	NORMAL CONDITION	DIAGNOSTIC NOTE
Coolant Temperature	Engine coolant temperature	Min.: -40°C (-40°F) Max.: 215°C (419°F)	75 to 100°C (167 to 212°F): After warming up	<p>This is the engine coolant temperature.</p> <p>HINT:</p> <ul style="list-style-type: none"> After warming up the engine, the engine coolant temperature will be 75 to 100°C (167 to 212°F). After a long soak, the engine coolant temperature, intake air temperature and ambient air temperature will be approximately equal. If the value is -40°C (-40°F), or higher than 135°C (275°F), the sensor circuit is open or shorted. Check if the engine overheats if the value indicated is higher than 135°C (275°F).

Powertrain > Engine > Data List

TESTER DISPLAY
Coolant Temperature

OK:

The temperature after warming up is as specified in the normal condition column.

OK ► REPLACE AIR CONDITIONING AMPLIFIER ASSEMBLY

NG ► GO TO COOLING SYSTEM

