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<b>Model Year Start:</b> 2023	<b>Model:</b> Prius	<b>Prod Date Range:</b> [12/2022 - ]
<b>Title:</b> HEATING / AIR CONDITIONING: AIR CONDITIONING SYSTEM (for HEV Model): No Cooling at All; 2023 - 2024 MY Prius [12/2022 - ]		

**No Cooling at All**

## DESCRIPTION

If cool air is not discharged (air is discharged), the following malfunctions are possible.

MALFUNCTION STATUS	FACTOR
Cool air is not discharged (air is discharged)	<ul style="list-style-type: none"> <li>• Compressor with motor assembly malfunction</li> <li>• Refrigerant pressure malfunction</li> <li>• Lack of refrigerant gas</li> <li>• Dirty cooler condenser</li> <li>• Cooling fan system malfunction</li> <li>• Air mix damper and link operation (jamming)</li> <li>• Evaporator temperature sensor (determined as cold, but conflicts with actual temperature)</li> <li>• Warm air flow</li> </ul>

## PROCEDURE

### 1. CHECK SWITCH INDICATOR

(a) Operate each switch on the air conditioning control assembly and check that the switch indicators operate normally.

OK:

All switch indicators operate normally.

**NG** ► **GO TO OTHER DIAGNOSIS PROCEDURE (Operation not Accepted Even If Air Conditioning Switch is Operated)**

**OK**



### 2. PERFORM ACTIVE TEST USING GTS

(a) Perform the Active Test according to the display on the GTS.

**Body Electrical > Air Conditioner > Active Test**

TESTER DISPLAY	MEASUREMENT ITEM	CONTROL RANGE	DIAGNOSTIC NOTE
Front Air Mix Damper Control Servo Motor	This test activates the Front Air Mix Damper Control Servo Motor.  (No. 1 air conditioning radiator damper servo sub-assembly (air mix))	128: Min  384: Max	Operate with ignition switch ON.

**Body Electrical > Air Conditioner > Active Test**

ACTIVE TEST DISPLAY
Front Air Mix Damper Control Servo Motor

DATA LIST DISPLAY
Front Air Mix Damper Control Servo Motor Actual Pulse

OK:

Damper servo motor is operated.

**OK** ▶ **INSPECT REFRIGERANT PRESSURE WITH MANIFOLD GAUGE SET**

for HFC-134a(R134a): Click here [INFO](#)

for HFO-1234yf(R1234yf): Click here [INFO](#)

**NG** ▶ **GO TO DIAGNOSTIC TROUBLE CODE CHART (FOR SERVO MOTOR OF APPLICABLE ABNORMAL OPERATION)**

