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Model Year Start: 2023	Model: Prius	Prod Date Range: [12/2022 -]
Title: HEATING / AIR CONDITIONING: AIR CONDITIONING SYSTEM (for HEV Model): UTILITY; 2023 - 2024 MY Prius [12/2022 -]		

UTILITY

REFRIGERANT SHORTAGE CHECK USING GTS

(a) Prepare the vehicle according to the table below.

Measurement Condition:

ITEM	CONDITION
Vehicle Condition	Ignition switch ON (READY)
A/C Switch	On
Ambient Temperature*1	0 to 49°C (32 to 120°F)
Air Conditioning Air Inlet Temperature*2	25 to 35°C (77 to 95°F)
Set Temperature	MAX COLD
Recirculation/fresh Control Switch	Recirculation
Air Vent Damper Position	FACE
Blower Speed	HI

HINT:

*1: This inspection can be judged correctly only if the ambient temperature is within a range of 0 to 49°C (32 to 120°F). Therefore, postpone the test if the temperature is low.

*2: This inspection can be judged correctly only if the air inlet temperature is within a range of 25 to 35°C (77 to 95°F). Therefore, postpone the test if the temperature is out of range.

(b) Using the GTS, check the amount of refrigerant.

Body Electrical > Air Conditioner > Utility

TESTER DISPLAY
Refrigerant Gas Volume Check

NOTICE:

If the conditions for the inspection are not met, "Refrigerant incorrect" will be displayed on the GTS. Confirm the conditions of the inspection and perform the check again.

HINT:

- If the amount of refrigerant is insufficient, "Refrigerant shortage" is displayed on the GTS and the indicator light on the A/C switch turns off.
- When performing this inspection, a DTC will not be output even if "Refrigerant shortage" is displayed on the GTS.

Result:

RESULT	AMOUNT OF REFRIGERANT	CORRECTIVE ACTION
Refrigerant shortage	Insufficient	1. Check for refrigerant leaks using a gas leak detector, and repair if necessary. 2. Evacuate the air conditioning system and charge it with the appropriate volume of new or purified refrigerant. for HFC-134a(R134a): Click here INFO for HFO-1234yf(R1234yf): Click here INFO
Refrigerant correct	Correct	-
Refrigerant incorrect	Incorrect	Confirm the conditions of the inspection and perform the check again.

REFRIGERANT PRESSURE HISTORY CLEAR

- (a) Press the A/C OFF switch.
- (b) According to the GTS display, perform refrigerant pressure history clear.

Body Electrical > Air Conditioner > Utility



A/C OPERATION LIMIT HISTORY COUNT CLEAR

- (a) Press the A/C OFF switch.
- (b) According to the GTS display, perform A/C operation limit history count clear.

Body Electrical > Air Conditioner > Utility



MY SETTINGS INITIALIZATION

- (a) Press the A/C OFF switch.
- (b) According to the GTS display, perform My Settings initialization.

Body Electrical > Air Conditioner > Utility

