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Model Year Start: 2023	**Model:** Prius Prime	**Prod Date Range:** [03/2023 -]
Title: HYBRID / BATTERY CONTROL: CHARGE CABLE (for PHEV Model): INSPECTION; 2023 - 2024 MY Prius Prime [03/2023 -]		

INSPECTION

PROCEDURE

1. INSPECT ELECTRIC VEHICLE CHARGER CABLE ASSEMBLY

(a) Visual inspection (*A):

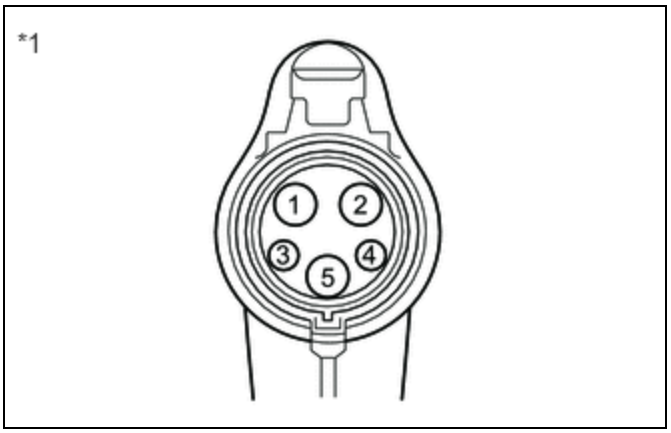
HINT:

- When performing a visual inspection, compare the electric vehicle charger cable assembly with a known good one.
- If the power source plug is damaged, replace the cable EV charger plug assembly.
- Due to the characteristics of the electric vehicle charger cable assembly, it may become stiff or twisted. This is not a malfunction.
- If the electric vehicle charger cable assembly is would tightly or repeatedly folded for storage, twists may form more easily and can lead to an open-circuit.

(1) Check that the electric vehicle charger cable assembly (charging connector side) is free of foreign matter.

HINT:

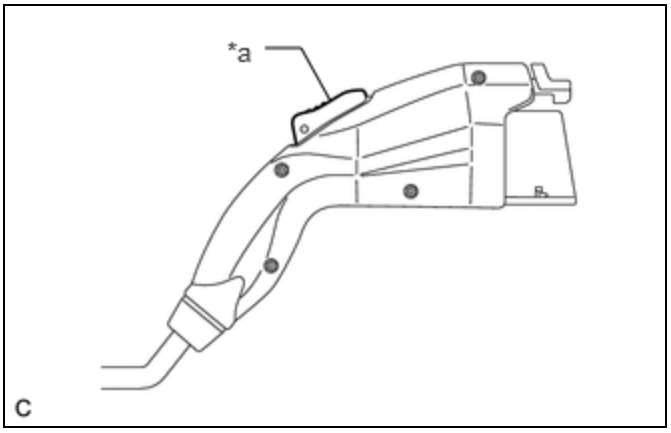
If there is foreign matter in the charging connector which prevents it from being securely connected, charging will not be performed.



*1	Electric Vehicle Charger Cable Assembly (Charging Connector Side)

(b) Check the latch release button (PISW):

(1) Check that the latch release button (PISW) can be pressed with no abnormal resistance.



*a	Latch Release Button (PISW)

(c) Check connection:

(1) Check that the electric vehicle charger cable assembly and inlet AC charger cable (charging inlet side) can be connected smoothly.

OK:

The electric vehicle charger cable assembly and inlet AC charger cable (charging inlet side) connects smoothly.

HINT:

If the result is not as specified, perform the visual inspection (*A) and the following procedure.

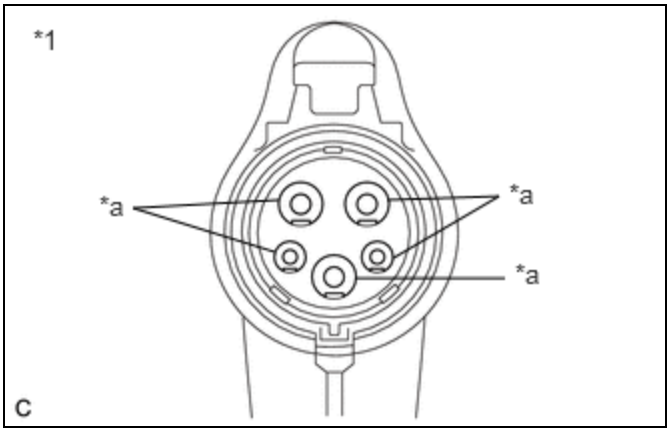
(2) Check that the terminals of the electric vehicle charger cable assembly (charging connector side) are not bent or deformed.

OK:

The terminals are not bent or deformed.

HINT:

If the result is not as specified, replace the electric vehicle charger cable assembly.



*1	Electric Vehicle Charger Cable Assembly (Charging Connector Side)
*a	Terminal

(d) Check for short:

CAUTION:

Wear insulated gloves.

(1) Plug in the electric vehicle charger cable assembly to a socket.

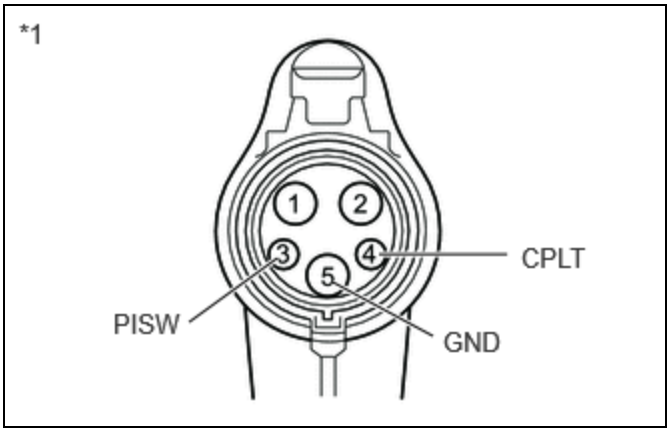
HINT:

Make sure not to connect electric vehicle charger cable assembly to the inlet AC charger cable (charging inlet side).

(2) Measure the voltage according to the value(s) in the table below.

Standard Voltage:

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION
3 (PISW) - 5 (GND)	Latch release button (PISW) pressed	Below 1 V
	Latch release button (PISW) not pressed	Below 1 V
4 (CPLT) - 5 (GND)	• Power indicator illuminated • Error warning indicator not illuminated	11.4 to 12.6 V



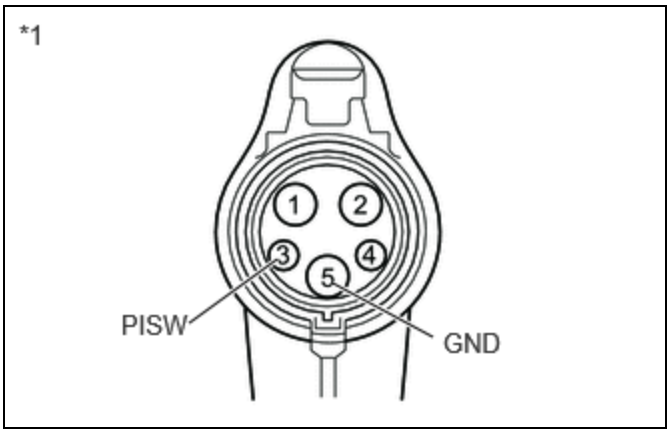
*1	Electric Vehicle Charger Cable Assembly (Charging Connector Side)

(e) Check for open:

(1) Measure the resistance according to the value(s) in the table below.

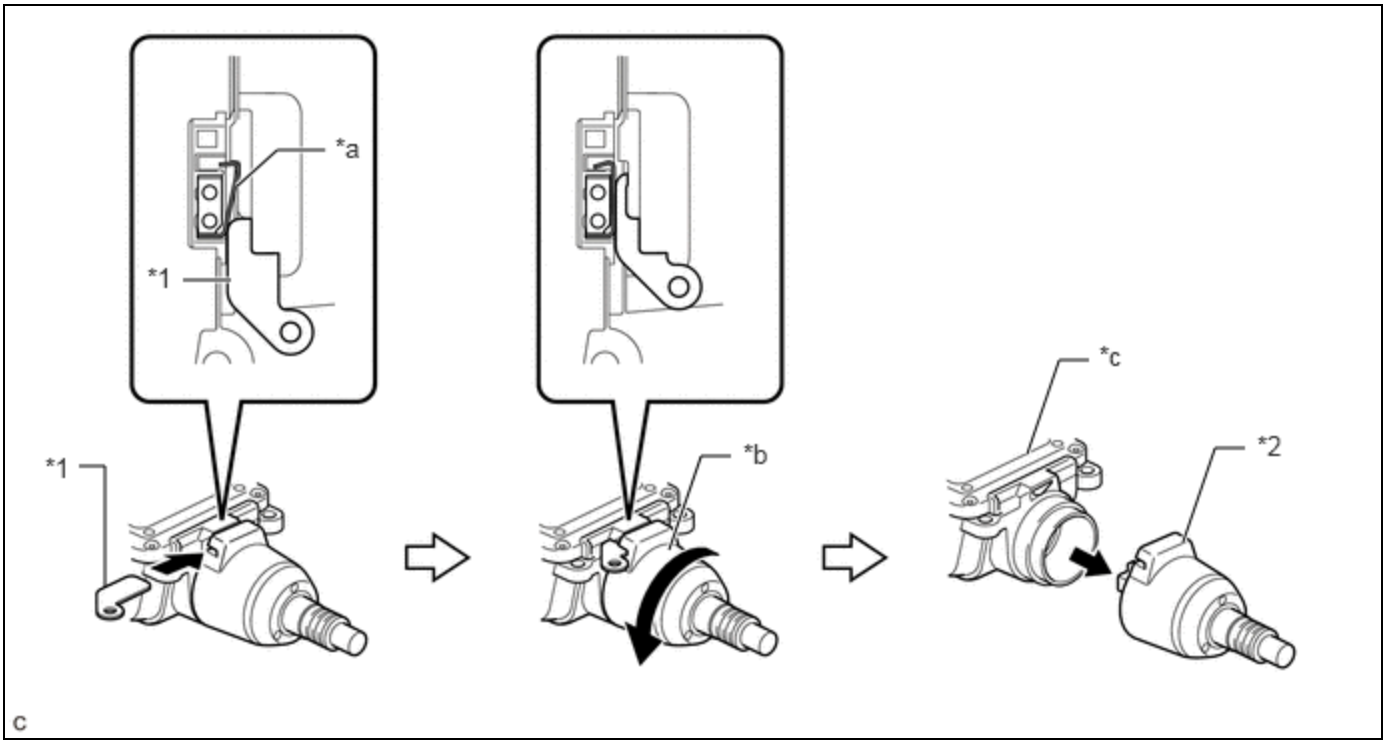
Standard Resistance:

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION
3 (PISW) - 5 (GND)	Latch release button (PISW) pressed	430 to 530 Ω
	Latch release button (PISW) not pressed	135 to 165 Ω



*1	Electric Vehicle Charger Cable Assembly (Charging Connector Side)

(2) Insert the plug cable EV charger key to release the lock and then turn the connector and remove the cable EV charger plug assembly from the CCID (charging circuit interrupting device).

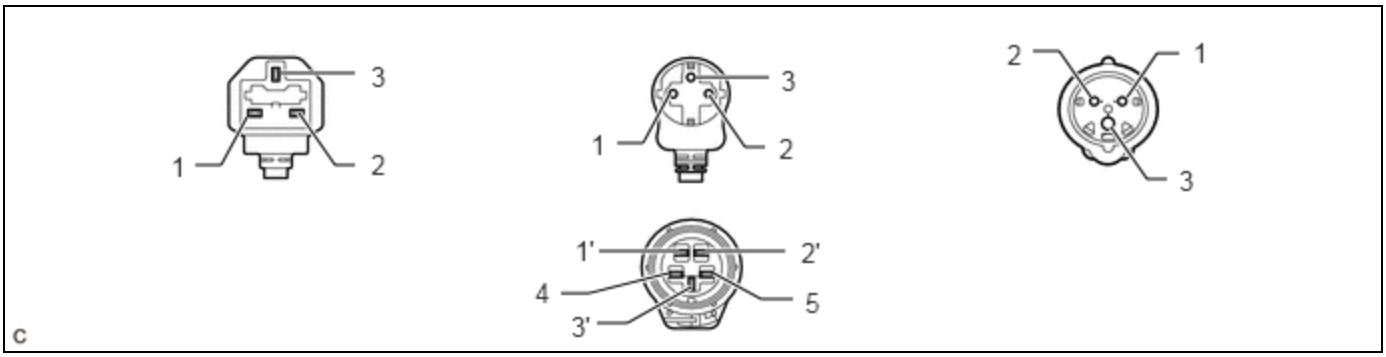


*1	Plug Cable EV Charger Key	*2	Cable EV Charger Plug Assembly
*a	Lock	*b	Connector
*c	CCID (charging circuit interrupting device)	-	-

(3) Measure the resistance according to the value(s) in the table below.

Standard Resistance:

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION
1 - 1'	Always	Below 1 Ω
2 - 2'	Always	Below 1 Ω
3 - 3'	Always	Below 1 Ω
4 - 5	Always	130 to 660 Ω



HINT:

If the result is not as specified, replace the cable EV charger plug assembly.