

Last Modified: 12-04-2024	6.11:8.1.0	Doc ID: RM10000002B77E
Model Year Start: 2023	Model: Prius Prime	Prod Date Range: [03/2023 -]
Title: DOOR / HATCH: CHARGE LID OPENER SYSTEM: DATA LIST / ACTIVE TEST; 2023 - 2024 MY Prius Prius Prime [03/2023 -]		

DATA LIST / ACTIVE TEST

NOTICE:

In the table below, the values listed under "Normal Condition" are reference values. Do not depend solely on these reference values when deciding whether a part is faulty or not.

HINT:

Using the GTS to read the Data List allows the values or states of switches, sensors, actuators and other items to be read without removing any parts. This non-intrusive inspection can be very useful because intermittent conditions or signals may be discovered before parts or wiring is disturbed. Reading the Data List information early in troubleshooting is one way to save diagnostic time.

DATA LIST

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

Powertrain > Plug-in Control > Data List

TESTER DISPLAY	MEASUREMENT ITEM	RANGE	NORMAL CONDITION	DIAGNOSTIC NOTE
Charging Lid Switch Status	Charging lid switch status	OFF/ON	OFF: Charging port lid close (push lifter of charger lid with motor lock assembly pushed in) ON: Charging port lid open (push lifter of charger lid with motor lock assembly extended)	(LDSW terminal)
Charging Connector Connect Status Voltage	PISW terminal voltage used for checking electric vehicle charger cable assembly connection condition	0.00 to 79.99 V	0.35 to 2.02 V: Electric vehicle charger cable assembly inserted 2.02 to 3.57 V: Electric vehicle charger cable assembly inserted and the latch release button (PI switch) engaged 3.57 to 4.73 V: Electric vehicle charger cable assembly not inserted	(PISW terminal)
Charging Connector Lock Pin Status	Charging connector lock pin status	Unlock/Lock	Unlock: Charging connector lock pin not extended Lock: Charging connector lock pin extended	(CBSW terminal)

TESTER DISPLAY	MEASUREMENT ITEM	RANGE	NORMAL CONDITION	DIAGNOSTIC NOTE
Charging Connector Lock Motor Unlock Direction Revolution Request Current	Output of current to operate charging connector lock motor or charging port lid lock motor in reverse*	OFF/ON	OFF: Charging connector lock motor or charging port lid lock motor not operated ON: Unlocking charging connector or charging port lid (operating charging connector lock motor or charging port lid lock motor in reverse)	(CBMN terminal)
Charging Connector Lock Motor Lock Direction Revolution Request Current	Output of current to operate charging connector lock motor or charging port lid lock motor forward*	OFF/ON	OFF: Charging connector lock motor or charging port lid lock motor not operated ON: Unlocking charging connector or charging port lid (operating charging connector lock motor or charging port lid lock motor forward)	(CBMP terminal)

*: Cannot be used

