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<b>Model Year Start:</b> 2023	<b>Model:</b> Prius Prime	<b>Prod Date Range:</b> [12/2022 - ]
<b>Title:</b> POWER DISTRIBUTION: POWER INTEGRATION SYSTEM: DATA LIST / ACTIVE TEST; 2023 - 2024 MY Prius Prius Prime [12/2022 - ]		

## DATA LIST / ACTIVE TEST

### READ DATA LIST

#### 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 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.

(a) Power Distribution Box Assembly

(1) According to the display on the GTS, read the Data List.

### Body Electrical > Power Distribution Box > Data List

TESTER DISPLAY	MEASUREMENT ITEM	RANGE	NORMAL CONDITION	DIAGNOSTIC NOTE
Total Distance Traveled	Total distance traveled	0 to 16777215	-	-
Total Distance Traveled - Unit	Total distance traveled unit	km or mile	-	-
Power Supply Voltage	Power distribution box assembly power supply voltage value	0 to 819.0 V	Approximately 13.5 V	-
+BA Status Signal	+BA Status signal	OFF or ON	OFF: +BA OFF ON: +BA ON	-
ACC Status Signal	ACC Status Signal	OFF or ON	OFF: ACC OFF ON: ACC ON	-
IGR Status Signal	IGR Status Signal	OFF or ON	OFF: IGR OFF ON: IGR ON	-
IGP Status Signal	IGP Status Signal	OFF or ON	OFF: IGP OFF ON: IGP ON	-

TESTER DISPLAY	MEASUREMENT ITEM	RANGE	NORMAL CONDITION	DIAGNOSTIC NOTE
IGBD Status Signal	IGBD Status Signal	OFF or ON	OFF: IGBD OFF ON: IGBD ON	This item is displayed on the GTS but is not used.
Rear Defogger Input Signal	Window defogger light input	OFF or ON	OFF: Window defogger switch is off ON: Window defogger switch is on	-
Rear Defogger Output Signal	Window defogger output	OFF or ON	OFF: Window defogger does not operate ON: Window defogger operates	-
Rear Defogger Output Current	Window defogger circuit current	0 to 255 A	Approximately 11 A	Window defogger current when output is on
Rear Defogger Fuse Shut Off Status	Window defogger fuse shut off status	OFF or ON	OFF: Fuse has no shut off history ON: Fuse has shut off history	-
Rear Defogger Fuse Shut Off Count	Window defogger fuse shut off history	0 to 255	0	-
Mirror Heater Input Signal	Mirror heater light input	OFF or ON	OFF: Ignition switch ON, rear defogger switch off ON: Ignition switch ON, rear defogger switch on	-
Mirror Heater Output Signal	Mirror heater output	OFF or ON	OFF: Ignition switch ON, rear defogger switch off ON: Ignition switch ON, rear defogger switch on	-
Mirror Heater Output Current	Mirror heater circuit current	0 to 255 A	Mirror heater operating: 2.8 to 3.4 A	-
Mirror Heater Fuse Shut Off Status	Mirror heater fuse shut off status	OFF or ON	OFF: Fuse has no shut off history ON: Fuse has shut off history	-

TESTER DISPLAY	MEASUREMENT ITEM	RANGE	NORMAL CONDITION	DIAGNOSTIC NOTE
Mirror Heater Fuse Shut Off Count	Mirror heater fuse shut off history	0 to 255	0	-
Tail Light Input Signal	Tail light input	OFF or ON	OFF: Light control switch in neither tail nor head position ON: Light control switch in tail or head position	-
Tail Light Output Signal	Tail light output	OFF or ON	OFF: Tail light not illuminated ON: Tail light illuminated	-
Tail Light Output Current	Tail light circuit current	0 to 255 A	Below 6.9 A	Tail light current when output is on
Tail Light Fuse Shut Off Status	Tail light fuse shut off status	OFF or ON	OFF: Fuse has no shut off history ON: Fuse has shut off history	-
Tail Light Fuse Shut Off Count	Tail light fuse shut off history	0 to 255	0	-
Panel Light Input Signal	Panel light input	OFF or ON	OFF: Light control switch in neither tail nor head position ON: Light control switch in tail or head position	This item is displayed on the GTS but is not used.
Panel Light Output Signal	Panel light output	OFF or ON	OFF: Tail light not illuminated ON: Tail light illuminated	This item is displayed on the GTS but is not used.
Panel Light Output Current	Panel light circuit current	0 to 255 A	Below 3.2 A	This item is displayed on the GTS but is not used.
Panel Light Fuse Shut Off Status	Panel light fuse shut off status	OFF or ON	OFF: Fuse has no shut off history ON: Fuse has shut off history	This item is displayed on the GTS but is not used.

TESTER DISPLAY	MEASUREMENT ITEM	RANGE	NORMAL CONDITION	DIAGNOSTIC NOTE
Panel Light Fuse Shut Off Count	Panel light fuse shut off history	0 to 255	0	This item is displayed on the GTS but is not used.
Power Retract Mirror Input Signal	Power retract mirror drive signal (Input)	Stop, Retract, Return	Stop: Not operate the outer mirror switch Retract: Outer mirror switch in retract position Return: Outer mirror switch in return position	-
Power Retract Mirror Output Signal	Power retract mirror drive signal (Output)	Stop, Retract, Return	Stop: Outer rear view mirror assembly not move Retract: Outer rear view mirror assembly moves to the retracted position Return: Outer rear view mirror assembly moves to the return position	-
Power Retract Mirror Output Current	Power retract mirror output current	0 to 255 A	Power retract mirror operating: 1.6 to 2.0 A	-
Power Retract Mirror Fuse Shut Off Status	Power retract mirror fuse shut off status	OFF or ON	OFF: Fuse has no shut off history ON: Fuse has shut off history	-
Power Retract Mirror Fuse Shut Off Count	Power retract mirror fuse shut off history	0 to 255	0	-
Back-up Light Input Signal	Back-up light input	OFF or ON	OFF: Shift lever in any position other than R ON: Shift lever in R	-
Back-up Light Output Signal	Back-up light output	OFF or ON	OFF: Back-up light not illuminated ON: Back-up light illuminated	-
Back-up Light Output Current	Back-up light circuit current	0 to 255 A	Below 5.3 A	Back-up light current when output is on

TESTER DISPLAY	MEASUREMENT ITEM	RANGE	NORMAL CONDITION	DIAGNOSTIC NOTE
Back-up Light Fuse Shut Off Status	Back-up light fuse shut off status	OFF or ON	OFF: Fuse has no shut off history ON: Fuse has shut off history	-
Back-up Light Fuse Shut Off Count	Back-up light fuse shut off history	0 to 255	0	-
Rear Fog Light Input Signal	Rear fog light input	OFF or ON	OFF: Rear fog light switch off ON: Rear fog light switch on	This item is displayed on the GTS but is not used.
Rear Fog Light Output Signal	Rear fog light output	OFF or ON	OFF: Rear fog light not illuminated ON: Rear fog light illuminated	This item is displayed on the GTS but is not used.
Rear Fog Light Output Current	Rear fog light circuit current	0 to 255 A	Below 0.3 A	This item is displayed on the GTS but is not used.
Rear Fog Light Fuse Shut Off Status	Rear fog light fuse shut off status	OFF or ON	OFF: Fuse has no shut off history ON: Fuse has shut off history	This item is displayed on the GTS but is not used.
Rear Fog Light Fuse Shut Off Count	Rear fog light fuse shut off history	0 to 255	0	This item is displayed on the GTS but is not used.
Manual Blower Motor Input Signal	Manual blower motor input	OFF or ON	OFF: Manual blower motor switch OFF ON: Manual blower motor switch ON	This item is displayed on the GTS but is not used.
Manual Blower Motor Output Signal	Manual blower motor output	OFF or ON	OFF: Manual blower motor OFF ON: Manual blower motor ON	This item is displayed on the GTS but is not used.
Manual Blower Motor Output Current	Manual blower motor circuit current	0 to 255 A	Below 18.3 A	This item is displayed on the GTS but is not used.

TESTER DISPLAY	MEASUREMENT ITEM	RANGE	NORMAL CONDITION	DIAGNOSTIC NOTE
Manual Blower Motor Fuse Shut Off Status	Manual blower motor fuse shut off status	OFF or ON	OFF: Fuse has no shut off history ON: Fuse has shut off history	This item is displayed on the GTS but is not used.
Manual Blower Motor Fuse Shut Off Count	Manual blower motor fuse shut off history	0 to 255	0	This item is displayed on the GTS but is not used.
Front Fog Light External Relay Input Signal	Front fog light external relay input	OFF or ON	OFF: Front fog light OFF ON: Front fog light ON	This item is displayed on the GTS but is not used.
Front Fog Light External Relay Output Signal	Front fog light external relay output	OFF or ON	OFF: Front fog light OFF ON: Front fog light ON	This item is displayed on the GTS but is not used.
Seat A/C System No.1 Input Signal	Seat A/C system No. 1 input	OFF or ON	OFF: Seat heater switch RH OFF ON: Seat heater switch RH ON	-
Seat A/C System No.1 Output Signal	Seat A/C system No. 1 output	OFF or ON	OFF: Seat heater switch RH OFF ON: Seat heater switch RH ON	-
Seat A/C System No.1 Output Current	Seat A/C system No. 1 circuit current	0 to 255 A	11 to 14 A	-
Seat A/C System No.1 Fuse Shut Off Status	Seat A/C system No. 1 fuse shut off status	OFF or ON	OFF: Fuse has no shut off history ON: Fuse has shut off history	-
Seat A/C System No.1 Fuse Shut Off Count	Seat A/C system No. 1 fuse shut off history	0 to 255	0	-
Seat A/C System No.2 Input Signal	Seat A/C system No. 2 input	OFF or ON	OFF: Seat heater switch LH OFF ON: Seat heater switch LH ON	-

TESTER DISPLAY	MEASUREMENT ITEM	RANGE	NORMAL CONDITION	DIAGNOSTIC NOTE
Seat A/C System No.2 Output Signal	Seat A/C system No. 2 output	OFF or ON	OFF: Seat heater switch LH OFF ON: Seat heater switch LH ON	-
Seat A/C System No.2 Output Current	Seat A/C system No. 2 circuit current	0 to 255 A	11 to 14 A	-
Seat A/C System No.2 Fuse Shut Off Status	Seat A/C system No. 2 fuse shut off status	OFF or ON	OFF: Fuse has no shut off history ON: Fuse has shut off history	-
Seat A/C System No.2 Fuse Shut Off Count	Seat A/C system No. 2 fuse shut off history	0 to 255	0	-
Cargo Light Input Signal	Cargo light input	OFF or ON	OFF: Cargo light OFF ON: Cargo light ON	This item is displayed on the GTS but is not used.
Cargo Light Output Signal	Cargo light output	OFF or ON	OFF: Cargo light OFF ON: Cargo light ON	This item is displayed on the GTS but is not used.
Cargo Light Output Current	Cargo light circuit current	0 to 255 A	Below 0.4 A	This item is displayed on the GTS but is not used.
Cargo Light Fuse Shut Off Status	Cargo light fuse shut off status	OFF or ON	OFF: Fuse has no shut off history ON: Fuse has shut off history	This item is displayed on the GTS but is not used.
Cargo Light Fuse Shut Off Count	Cargo light fuse shut off history	0 to 255	0	This item is displayed on the GTS but is not used.
Dome Cut Input Signal	Dome cut input	OFF or ON	OFF: Dome cut OFF ON: Dome cut ON	-
Dome Cut Output Signal	Dome cut output	OFF or ON	OFF: Dome cut OFF ON: Dome cut ON	-

TESTER DISPLAY	MEASUREMENT ITEM	RANGE	NORMAL CONDITION	DIAGNOSTIC NOTE
Dome Cut Output Current	Dome cut circuit current	0 to 255 A	Below 7.9 A	-
Dome Cut Fuse Shut Off Status	Dome cut fuse shut off status	OFF or ON	OFF: Fuse has no shut off history ON: Fuse has shut off history	-
Dome Cut Fuse Shut Off Count	Dome cut fuse shut off history	0 to 255	0	-
Mirror Reverse Lamp Input Signal	Mirror reverse light input	OFF or ON	OFF: Mirror reverse light OFF ON: Mirror reverse light ON	This item is displayed on the GTS but is not used.
Mirror Reverse Lamp Output Signal	Mirror reverse light output	OFF or ON	OFF: Mirror reverse light OFF ON: Mirror reverse light ON	This item is displayed on the GTS but is not used.
Mirror Reverse Lamp Output Current	Mirror reverse light circuit current	0 to 255 A	Below 6.9 A	This item is displayed on the GTS but is not used.
Mirror Reverse Lamp Fuse Shut Off Status	Mirror reverse light fuse shut off status	OFF or ON	OFF: Fuse has no shut off history ON: Fuse has shut off history	This item is displayed on the GTS but is not used.
Mirror Reverse Lamp Fuse Shut Off Count	Mirror reverse light fuse shut off history	0 to 255	0	This item is displayed on the GTS but is not used.
Power Retract Mirror External Relay Input Signal	Power retract mirror drive signal (Input)	Stop, Retract, Return	Stop: Not operate the outer mirror switch Retract: Outer mirror switch in retract position Return: Outer mirror switch in return position	-
Power Retract Mirror External Relay Output Signal	Power retract mirror drive signal (Output)	Stop, Retract, Return	Stop: Outer rear view mirror assembly not move Retract: Outer rear view mirror assembly moves to	-



TESTER DISPLAY	MEASUREMENT ITEM	RANGE	NORMAL CONDITION	DIAGNOSTIC NOTE
			the retracted position Return: Outer rear view mirror assembly moves to the return position	
Power Retract Mirror External Relay Output Current	Power retract mirror output current	0 to 255 A	Power retract mirror operating: 1.6 to 2.0 A	Power retract mirror current when output is on
Power Retract Mirror External Relay Fuse Shut Off Status	Power retract mirror fuse shut off status	OFF or ON	OFF: Fuse has no shut off history ON: Fuse has shut off history	-
Power Retract Mirror External Relay Fuse Shut Off Count	Power retract mirror fuse shut off history	0 to 255	0	-
Tail Light External Relay Input Signal	Tail light external relay input	OFF or ON	OFF: Light control switch in neither tail nor head position ON: Light control switch in tail or head position	-
Tail Light External Relay Output Signal	Tail light external relay output	OFF or ON	OFF: Tail light OFF ON: Tail light ON	-
Panel Light External Relay Input Signal	Panel light external relay input	OFF or ON	OFF: Light control switch in neither tail nor head position ON: Light control switch in tail or head position	This item is displayed on the GTS but is not used.
Panel Light External Relay Output Signal	Panel light external relay output	OFF or ON	OFF: Panel light OFF ON: Panel light ON	This item is displayed on the GTS but is not used.
Tail Light Internal Relay Input Signal	Tail light internal relay input	OFF or ON	OFF: Light control switch in neither tail nor head position ON: Light control switch in tail or head position	-
Tail Light Internal Relay Output Signal	Tail light internal relay output	OFF or ON	OFF: Tail light OFF ON: Tail light ON	-

TESTER DISPLAY	MEASUREMENT ITEM	RANGE	NORMAL CONDITION	DIAGNOSTIC NOTE
Seat A/C System Internal Relay Input Signal	Seat A/C system internal relay input	OFF or ON	OFF: Seat heater switch OFF ON: Seat heater switch ON	-
Seat A/C System Internal Relay Output Signal	Seat A/C system internal relay output	OFF or ON	OFF: Seat heater switch OFF ON: Seat heater switch ON	-
Steering Heater Internal Relay Input Signal	Steering heater internal relay input	OFF or ON	OFF: Steering heater switch OFF ON: Steering heater switch ON	This item is displayed on the GTS but is not used.
Steering Heater Internal Relay Output Signal	Steering heater internal relay output	OFF or ON	OFF: Steering heater internal relay OFF ON: Steering heater internal relay ON	This item is displayed on the GTS but is not used.
Passenger Seat Buckle Switch Status	Front passenger seat belt buckle switch	Set, Unset or Unknown	Set or Unset	-
Passenger Seat Occupant Sensor Status	Passenger Seat Occupant Sensor	OFF, ON or Unknown	OFF: Front passenger seat not occupied ON: Front passenger seat occupied	-
Rear Seat RH Buckle Switch Status	Rear right seat belt buckle switch	Set, Unset or Unknown	Set or Unset	-
Rear Seat Center Buckle Switch Status	Rear center seat belt buckle switch	Set, Unset or Unknown	Set or Unset	-
Rear Seat LH Buckle Switch Status	Rear left seat belt buckle switch	Set, Unset or Unknown	Set or Unset	-
IGBD Status Signal (Target is Operation History)	IGBD Status Signal	OFF or ON	OFF: IGBD OFF ON: IGBD ON	This item is displayed on the GTS but is not used.
+BA Output	+BA Output	OFF or ON	OFF: +BA OFF ON: +BA ON	-

TESTER DISPLAY	MEASUREMENT ITEM	RANGE	NORMAL CONDITION	DIAGNOSTIC NOTE
IGR Output	IGR Output	OFF or ON	OFF: IGR OFF ON: IGR ON	-

