

<b>Last Modified:</b> 12-04-2024	6.11:8.1.0	<b>Doc ID:</b> RM100000002923Q
<b>Model Year Start:</b> 2023	<b>Model:</b> Prius Prime	<b>Prod Date Range:</b> [12/2022 - ]
<b>Title:</b> DOOR / HATCH: POWER BACK DOOR SYSTEM: DATA LIST / ACTIVE TEST; 2023 - 2024 MY Prius Prius Prime [12/2022 - ]		

## DATA LIST / ACTIVE TEST

### DATA LIST

#### 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.

#### 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.

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

#### Body Electrical > Back Door > Data List

TESTER DISPLAY	MEASUREMENT ITEM	RANGE	NORMAL CONDITION	DIAGNOSTIC NOTE
Total Distance Traveled	Total distance traveled	0 to 16777215	Same as actual total distance traveled	For the unit, refer to "Total Distance Traveled - Unit"
Total Distance Traveled - Unit	Total Distance Traveled - unit	km or mile	km: km mile: mile	-
PBD Walk Away Close & Lock Function	Status of the walk away close and lock function	ON or OFF	Current customize setting displayed	-
Back Door Lock Status	Back door condition signal	Lock or Unlock	Lock: Back door locked Unlock: Back door unlocked	-
Half Latch Switch	Latch switch signal	ON or OFF	ON: When in the open latch or overstroke position OFF: Half latch position → full latch position	-

TESTER DISPLAY	MEASUREMENT ITEM	RANGE	NORMAL CONDITION	DIAGNOSTIC NOTE
Closer Position Switch	Initial switch signal	ON or OFF	ON: Back door lock sector gear in center position (Initial switch on) OFF: Back door lock sector gear out of center position (Initial switch off)	-
Pawl Switch	Pawl switch signal	ON or OFF	ON: Back door lock motor open-latched OFF: Back door lock motor except open latched	-
Courtesy Switch	Back door courtesy switch signal	ON or OFF	ON: Open latch position → half latch position OFF: Full latch position → overstroke position	-
PBD Main Switch	Power back door ON/OFF signal	ON or OFF	Current customize setting displayed	-
PBD Close Switch	Power back door control switch no.1 signal	ON or OFF	ON: Power back door control switch no.1 pushed OFF: Power back door control switch no.1 not pushed	-
IG Switch	Ignition switch signal	ON or OFF	ON: Ignition switch ON OFF: Ignition switch off	"OFF" is also displayed for this item when the ignition switch to ACC.
Close and Lock Switch	Door control switch signal	ON or OFF	ON: Door control switch pressed OFF: Door control switch not pressed	-
Door Lock Signal	Back door condition signal	Lock or Unlock	Lock: Back door locked	-

TESTER DISPLAY	MEASUREMENT ITEM	RANGE	NORMAL CONDITION	DIAGNOSTIC NOTE
			Unlock: Back door unlocked	
PBD Touch Sensor RH	Power back door sensor assembly RH signal	ON, OFF or Open	ON: Power back door sensor assembly RH pressed OFF: Power back door sensor assembly RH not pressed Open: Power back door sensor assembly RH circuit open	-
PBD Touch Sensor LH	Power back door sensor assembly LH signal	ON, OFF or Open	ON: Power back door sensor assembly LH pressed OFF: Power back door sensor assembly LH not pressed Open: Power back door sensor assembly LH circuit open	-
Correction of Back Door Position	Correction of back door position	Not Complied With or Complied With	Not Complied With: not complied with Complied With: complied with	-
PBD Close Switch Operation History	Power back door control switch no.1 operation history	ON or OFF	ON: Has operation history OFF: No operation history	The operation history will be cleared by disconnecting the cable from the negative (-) terminal of the auxiliary battery for approximately 30 seconds.
Close & Lock Switch Operation History	Back door control switch operation history	ON or OFF	ON: Has operation history OFF: No operation history	The operation history will be cleared by disconnecting the cable from the negative (-) terminal of the auxiliary battery for

TESTER DISPLAY	MEASUREMENT ITEM	RANGE	NORMAL CONDITION	DIAGNOSTIC NOTE
				approximately 30 seconds.
Opened Number of Times	Number of times for back door opened	0 to 2147483647	Number of times for back door opened	-
Closed Number of Times	Number of times for back door closed	0 to 2147483647	Number of times for back door closed	-
During Open Operation Number of Stoppages	Number of times the back door stopped during an open operation	0 to 65535	Number of times the back door stopped during an open operation	-
During Close Operation Number of Stoppages	Number of times the back door stopped during a close operation	0 to 65535	Number of times the back door stopped during a close operation	-
Opening Adjustment Number of Times by Display Inside the Car	Number of times the back door opening angle adjustment was changed via the multi-information display	0 to 65535	Number of times the back door opening angle adjustment was changed	-
Opening Adjustment Number of Times by Back Door Switch	Number of times the back door opening angle adjustment was changed by pressing and holding the switch at the bottom of the back door	0 to 65535	Number of times the open operation automatic stop position was changed	-
Door Opening Setting Position	Current set value of the open operation automatic stop position (target home position after auto operation)	0 to 65535	Current set value	-
PBD SW Operating Condition Setting	Power back door control switch operation	Short Press (0.04s) or Long Press (0.8s)	Current customize setting displayed	-
PBD Buzzer Function	Status of the power back door buzzer	ON or OFF	Current customize setting displayed	-

TESTER DISPLAY	MEASUREMENT ITEM	RANGE	NORMAL CONDITION	DIAGNOSTIC NOTE
PBD Assist Close Function	Function that enables/disables the power back door assist close operation. When set to ON, the back door will close automatically when operated in the close direction manually.	ON or OFF	Current customize setting displayed	-
PBD Assist Open Function	Function that enables/disables the power back door assist open operation. When set to ON, the back door will open automatically when the back door opener switch assembly (open switch) is operated.	ON or OFF	Current customize setting displayed	-
PBD Door Unlock with One Motion Setting	Door or doors to be unlocked when back door locked and power back door operated by pressing transmitter switch (electrical key transmitter sub-assembly).	Back Door or All Doors	Current customize setting displayed	-
PBD Wireless Function	Function that operates the power back door by pushing the transmitter switch (electrical key transmitter sub-assembly).	ON or OFF	Current customize setting displayed	-
PBD Wireless One Motion Function	Wireless one motion function	ON or OFF	Current customize setting displayed	-
PBD Wireless SW Setting	Wireless operationsetting condition	1 Time Press, 2Times Press or LongPress (0.8s)	Current customizesetting displayed	-

### Body Electrical > Main Body > Data List

TESTER DISPLAY	MEASUREMENT ITEM	RANGE	NORMAL CONDITION	DIAGNOSTIC NOTE
Back Door Lock Position Status	Back door lock position signal	Lock or Unlock	Lock: Back door locked Unlock: Back door unlocked	-

TESTER DISPLAY	MEASUREMENT ITEM	RANGE	NORMAL CONDITION	DIAGNOSTIC NOTE
Back Door Operation Switch (Instrument)	Power back door control switch signal	ON or OFF	ON: Power back door control switch on OFF: Power back door control switch off	-

## ACTIVE TEST

### HINT:

Using the GTS, perform Active Tests allows relays, VSVs, actuators and other items to be operated without removing any parts. This non-intrusive functional inspection can be very useful because intermittent operation may be discovered before parts or wiring is disturbed. Performing Active Tests early in troubleshooting is one way to save diagnostic time. Data List information can be displayed while performing Active Tests.

(a) According to the display on GTS perform the "Active Test".

### Body Electrical > Back Door > Active Test

TESTER DISPLAY	MEASUREMENT ITEM	CONTROL RANGE	DIAGNOSTIC NOTE
PBD Motor (Open)	Power back door motor operation	Start	-
PBD Motor (Close)	Power back door motor operation	Start	-
PBD Buzzer (Small Volume)	Power back door warning buzzer sound (small volume)	Start	-
PBD Buzzer (Middle Volume)	Power back door warning buzzer sound (Middle volume)	Start	-
PBD Buzzer (Large Volume)	Power back door warning buzzer sound (Large volume)	Start	-
PBD Release Closer	Latch release operation	Start	-
Courtesy Lamp	Back door courtesy light operation	Start	-

