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Model Year Start: 2023	Model: Prius Prime	Prod Date Range: [12/2022 -]
Title: WINDOW / GLASS: POWER WINDOW CONTROL 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) Read the Data List according to the display on the GTS.

Body Electrical > Main Body > Data List

TESTER DISPLAY	MEASUREMENT ITEM	RANGE	NORMAL CONDITION	DIAGNOSTIC NOTE
FR Door Courtesy Switch Status	Front door courtesy light switch assembly (for RH) signal	Close or Open	Close: Front door RH closed Open: Front door RH open	-
FL Door Courtesy Switch Status	Front door courtesy light switch assembly (for LH) signal	Close or Open	Close: Front door LH closed Open: Front door LH open	-
D Door P/W Jam Protection Glass Position (Close-1/4)	Margin for jam protection triggering force of window glass within range of fully closed to 1/4 open window glass position	OK or Caution	OK: Normal manual up operation Caution: Jam detected in the specified range	-
D Door P/W Jam Protection Glass Position (1/4-2/4)	Margin for jam protection triggering force of window glass within range of 1/4 to 1/2 open window glass position	OK or Caution	OK: Normal manual up operation Caution: Jam detected in the specified range	-

TESTER DISPLAY	MEASUREMENT ITEM	RANGE	NORMAL CONDITION	DIAGNOSTIC NOTE
D Door P/W Jam Protection Glass Position (2/4-3/4)	Margin for jam protection triggering force of window glass within range of 1/2 to 3/4 open window glass position	OK or Caution	OK: Normal manual up operation Caution: Jam detected in the specified range	-
D Door P/W Jam Protection Glass Position (3/4-Open)	Margin for jam protection triggering force of window glass within range of 3/4 to fully open window glass position	OK or Caution	OK: Normal manual up operation Caution: Jam detected in the specified range	-
P Door P/W Jam Protection Glass Position (Close-1/4)	Margin for jam protection triggering force of window glass within range of fully closed to 1/4 open window glass position	OK or Caution	OK: Normal manual up operation Caution: Jam detected in the specified range	-
P Door P/W Jam Protection Glass Position (1/4-2/4)	Margin for jam protection triggering force of window glass within range of 1/4 to 1/2 open window glass position	OK or Caution	OK: Normal manual up operation Caution: Jam detected in the specified range	-
P Door P/W Jam Protection Glass Position (2/4-3/4)	Margin for jam protection triggering force of window glass within range of 1/2 to 3/4 open window glass position	OK or Caution	OK: Normal manual up operation Caution: Jam detected in the specified range	-
P Door P/W Jam Protection Glass Position (3/4-Open)	Margin for jam protection triggering force of window glass within range of 3/4 to fully open window glass position	OK or Caution	OK: Normal manual up operation Caution: Jam detected in the specified range	-
RR Door P/W Jam Protection Glass Position (Close-1/4)	Margin for jam protection triggering force of window glass within range of fully closed to 1/4 open window glass position	OK or Caution	OK: Normal manual up operation Caution: Jam detected in the specified range	-

TESTER DISPLAY	MEASUREMENT ITEM	RANGE	NORMAL CONDITION	DIAGNOSTIC NOTE
RR Door P/W Jam Protection Glass Position (1/4-2/4)	Margin for jam protection triggering force of window glass within range of 1/4 to 1/2 open window glass position	OK or Caution	OK: Normal manual up operation Caution: Jam detected in the specified range	-
RR Door P/W Jam Protection Glass Position (2/4-3/4)	Margin for jam protection triggering force of window glass within range of 1/2 to 3/4 open window glass position	OK or Caution	OK: Normal manual up operation Caution: Jam detected in the specified range	-
RR Door P/W Jam Protection Glass Position (3/4-Open)	Margin for jam protection triggering force of window glass within range of 3/4 to fully open window glass position	OK or Caution	OK: Normal manual up operation Caution: Jam detected in the specified range	-
RL Door P/W Jam Protection Glass Position (Close-1/4)	Margin for jam protection triggering force of window glass within range of fully closed to 1/4 open window glass position	OK or Caution	OK: Normal manual up operation Caution: Jam detected in the specified range	-
RL Door P/W Jam Protection Glass Position (1/4-2/4)	Margin for jam protection triggering force of window glass within range of 1/4 to 1/2 open window glass position	OK or Caution	OK: Normal manual up operation Caution: Jam detected in the specified range	-
RL Door P/W Jam Protection Glass Position (2/4-3/4)	Margin for jam protection triggering force of window glass within range of 1/2 to 3/4 open window glass position	OK or Caution	OK: Normal manual up operation Caution: Jam detected in the specified range	-
RL Door P/W Jam Protection Glass Position (3/4-Open)	Margin for jam protection triggering force of window glass within range of 3/4 to fully open window glass position	OK or Caution	OK: Normal manual up operation Caution: Jam detected in the specified range	-
D Door Power Window AUTO Switch	Driver door power window auto switch	OFF or ON	OFF: Auto up or auto down switch not being operated	D-Door Motor output

TESTER DISPLAY	MEASUREMENT ITEM	RANGE	NORMAL CONDITION	DIAGNOSTIC NOTE
			ON: Auto up or auto down switch being operated	
P Door Power Window AUTO Switch	Front passenger door power window auto switch	OFF or ON	OFF: Auto up or auto down switch not being operated ON: Auto up or auto down switch being operated	P-Door Motor output
RR Door Power Window AUTO Switch	Rear RH door power window auto switch	OFF or ON	OFF: Auto up or auto down switch not being operated ON: Auto up or auto down switch being operated	RR-Door Motor output
RL Door Power Window AUTO Switch	Rear LH door power window auto switch	OFF or ON	OFF: Auto up or auto down switch not being operated ON: Auto up or auto down switch being operated	RL-Door Motor output
D Door Power Window UP Switch	Driver door power window manual up switch	OFF or ON	OFF: Manual up switch not being operated ON: Manual up switch being operated	D-Door Motor output
P Door Power Window UP Switch	Front passenger door power window manual up switch	OFF or ON	OFF: Manual up switch not being operated ON: Manual up switch being operated	P-Door Motor output
RR Door Power Window UP Switch	Rear RH door power window manual up switch	OFF or ON	OFF: Manual up switch not being operated ON: Manual up switch being operated	RR-Door Motor output

TESTER DISPLAY	MEASUREMENT ITEM	RANGE	NORMAL CONDITION	DIAGNOSTIC NOTE
RL Door Power Window UP Switch	Rear LH door power window manual up switch	OFF or ON	OFF: Manual up switch not being operated ON: Manual up switch being operated	RL-Door Motor output
D Door Power Window DOWN Switch	Driver door power window manual down switch	OFF or ON	OFF: Manual down switch not being operated ON: Manual down switch being operated	D-Door Motor output
P Door Power Window DOWN Switch	Front passenger door power window manual down switch	OFF or ON	OFF: Manual down switch not being operated ON: Manual down switch being operated	P-Door Motor output
RR Door Power Window DOWN Switch	Rear RH door power window manual down switch	OFF or ON	OFF: Manual down switch not being operated ON: Manual down switch being operated	RR-Door Motor output
RL Door Power Window DOWN Switch	Rear LH door power window manual down switch	OFF or ON	OFF: Manual down switch not being operated ON: Manual down switch being operated	RL-Door Motor output
D Door Power Window Initialize Status	Driver door power window initialize status	Initialized or Uninitialized	Display initialization status	-
P Door Power Window Initialize Status	Front passenger door power window initialize status	Initialized or Uninitialized	Display initialization status	-

TESTER DISPLAY	MEASUREMENT ITEM	RANGE	NORMAL CONDITION	DIAGNOSTIC NOTE
RR Door Power Window Initialize Status	Rear RH door power window initialize status	Initialized or Uninitialized	Display initialization status	-
RL Door Power Window Initialize Status	Rear LH door power window initialize status	Initialized or Uninitialized	Display initialization status	-
D Door P/W AUTO Switch	Driver door power window auto switch	OFF or ON	OFF: Auto up or auto down switch not being operated ON: Auto up or auto down switch being operated	Master Switch output
P Door P/W AUTO Switch	Front passenger door power window auto switch	OFF or ON	OFF: Auto up or auto down switch not being operated ON: Auto up or auto down switch being operated	Master Switch output
RR Door P/W AUTO Switch	Rear RH door power window auto switch	OFF or ON	OFF: Auto up or auto down switch not being operated ON: Auto up or auto down switch being operated	Master Switch output
RL Door P/W AUTO Switch	Rear LH door power window auto switch	OFF or ON	OFF: Auto up or auto down switch not being operated ON: Auto up or auto down switch being operated	Master Switch output
P Door P/W UP Switch	Front passenger door power window manual up switch	OFF or ON	OFF: Manual up switch not being operated ON: Manual up switch being operated	Master Switch output
RR Door P/W UP Switch	Rear RH door power window manual up switch	OFF or ON	OFF: Manual up switch not being operated	Master Switch output

TESTER DISPLAY	MEASUREMENT ITEM	RANGE	NORMAL CONDITION	DIAGNOSTIC NOTE
			ON: Manual up switch being operated	
RL Door P/W UP Switch	Rear LH door power window manual up switch	OFF or ON	OFF: Manual up switch not being operated ON: Manual up switch being operated	Master Switch output
P Door P/W DOWN Switch	Front passenger door power window manual down switch	OFF or ON	OFF: Manual down switch not being operated ON: Manual down switch being operated	Master Switch output
RR Door P/W DOWN Switch	Rear RH door power window manual down switch	OFF or ON	OFF: Manual down switch not being operated ON: Manual down switch being operated	Master Switch output
RL Door P/W DOWN Switch	Rear LH door power window manual down switch	OFF or ON	OFF: Manual down switch not being operated ON: Manual down switch being operated	Master Switch output
D Door P/W AUTO Switch Failure	Driver door power window auto switch stuck	OFF or ON	OFF: Switch stuck is detected ON: Switch stuck is not detected	-
P Door P/W AUTO Switch Failure	Front passenger door power window auto switch stuck	OFF or ON	OFF: Switch stuck is detected ON: Switch stuck is not detected	-
RR Door P/W AUTO Switch Failure	Rear RH door power window auto switch stuck	OFF or ON	OFF: Switch stuck is detected ON: Switch stuck is not detected	-

TESTER DISPLAY	MEASUREMENT ITEM	RANGE	NORMAL CONDITION	DIAGNOSTIC NOTE
RL Door P/W AUTO Switch Failure	Rear LH door power window auto switch stuck	OFF or ON	OFF: Switch stuck is detected ON: Switch stuck is not detected	-
P Door P/W UP Switch Failure	Front passenger door power window up switch stuck	OFF or ON	OFF: Switch stuck is detected ON: Switch stuck is not detected	-
RR Door P/W UP Switch Failure	Rear RH door power window manual up switch stuck	OFF or ON	OFF: Switch stuck is detected ON: Switch stuck is not detected	-
RL Door P/W UP Switch Failure	Rear LH door power window manual up switch stuck	OFF or ON	OFF: Switch stuck is detected ON: Switch stuck is not detected	-
P Door P/W DOWN Switch Failure	Front passenger door power window manual down switch stuck	OFF or ON	OFF: Switch stuck is detected ON: Switch stuck is not detected	-
RR Door P/W DOWN Switch Failure	Rear RH door power window manual down switch stuck	OFF or ON	OFF: Switch stuck is detected ON: Switch stuck is not detected	-
RL Door P/W DOWN Switch Failure	Rear LH door power window manual down switch stuck	OFF or ON	OFF: Switch stuck is detected ON: Switch stuck is not detected	-
Communication D-Door Motor	Connection status between power window regulator motor assembly LH (for driver door) and main body ECU (multiplex network body ECU)	STOP or OK	STOP: Communication stopped OK: Normal communication	-
Communication P-Door Motor	Connection status between power window regulator motor assembly RH (for front passenger door) and	STOP or OK	STOP: Communication stopped	-

TESTER DISPLAY	MEASUREMENT ITEM	RANGE	NORMAL CONDITION	DIAGNOSTIC NOTE
	main body ECU (multiplex network body ECU)		OK: Normal communication	
Communication RR-Door Motor	Connection status between power window regulator motor assembly RH (for rear RH door) and main body ECU (multiplex network body ECU)	STOP or OK	STOP: Communication stopped OK: Normal communication	-
Communication RL-Door Motor	Connection status between power window regulator motor assembly LH (for rear LH door) and main body ECU (multiplex network body ECU)	STOP or OK	STOP: Communication stopped OK: Normal communication	-
Communication Master Switch	Connection status between multiplex network master switch assembly and main body ECU (multiplex network body ECU)	STOP or OK	STOP: Communication stopped OK: Normal communication	-
Door Key P/W Up Function	Door key linked power window up	Disable or Enable	Customize setting displayed	-
Door Key P/W Down Function	Door key linked power window down	Disable or Enable	Customize setting displayed	-
P/W Down W/ Transmit Function	Wireless transmitter linked power window down	Disable or Enable	Customize setting displayed	-
P/W Operation Buzzer W/ Transmit Function	Power window buzzer answer-back of wireless function	Disable or Enable	Customize setting displayed	-
Window Open Warning Function	Window open warning function (when ignition switch turned to off)	Disable or Enable	Customize setting displayed	-
Power Window Voice Control Function	Status of door window open/close linked voice recognition control.	Disable or Enable	Customize setting displayed	w/ Body Device Voice Recognition Function
Support Service Function	Setting of Suggestion Service	OFF, Parked or ON	Customize setting displayed	-

TESTER DISPLAY	MEASUREMENT ITEM	RANGE	NORMAL CONDITION	DIAGNOSTIC NOTE
D Window Auto Up Function	Auto up operation using the multiplex network master switch assembly	Disable or Enable	Customize setting displayed	-
D Window Auto Down Function	Auto down operation using the multiplex network master switch assembly	Disable or Enable	Customize setting displayed	-
P Window Auto Up Function	Auto up operation using the power window regulator switch assembly	Disable or Enable	Customize setting displayed	-
P Window Auto Up by Driver Function	Remote auto up operation using the multiplex network master switch assembly	Disable or Enable	Customize setting displayed	-
P Window Auto Down Function	Auto down operation using the power window regulator switch assembly	Disable or Enable	Customize setting displayed	-
P Window Auto Down by Driver Function	Remote auto down operation using the multiplex network master switch assembly	Disable or Enable	Customize setting displayed	-
RR Window Auto Up Function	Auto up operation using the rear power window regulator switch assembly (for RH door)	Disable or Enable	Customize setting displayed	-
RR Window Auto Up by Driver Function	Remote auto up operation using the multiplex network master switch assembly	Disable or Enable	Customize setting displayed	-
RR Window Auto Down Function	Auto down operation using the rear power window regulator switch assembly (for RH door)	Disable or Enable	Customize setting displayed	-
RR Window Auto Down by Driver Function	Remote auto down operation using the multiplex network master switch assembly	Disable or Enable	Customize setting displayed	-
RL Window Auto Up Function	Auto up operation using the rear power window regulator switch assembly (for LH door)	Disable or Enable	Customize setting displayed	-

TESTER DISPLAY	MEASUREMENT ITEM	RANGE	NORMAL CONDITION	DIAGNOSTIC NOTE
RL Window Auto Up by Driver Function	Remote auto up operation using the multiplex network master switch assembly	Disable or Enable	Customize setting displayed	-
RL Window Auto Down Function	Auto down operation using the rear power window regulator switch assembly (for LH door)	Disable or Enable	Customize setting displayed	-
RL Window Auto Down by Driver Function	Remote auto down operation using the multiplex network master switch assembly	Disable or Enable	Customize setting displayed	-
Service Proposals Function	Setting of Suggestion Service (Driver 1)	OFF, Parked or ON	Customize setting displayed	w/ My Settings System
Service Proposals Function	Setting of Suggestion Service (Driver 2)	OFF, Parked or ON	Customize setting displayed	w/ My Settings System
Service Proposals Function	Setting of Suggestion Service (Driver 3)	OFF, Parked or ON	Customize setting displayed	w/ My Settings System

ACTIVE TEST

HINT:

Using the GTS to perform Active Tests allows relays, VSUs, 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) Perform the Active Test, according to the display on the GTS.

Body Electrical > Main Body > Active Test

TESTER DISPLAY	MEASUREMENT ITEM	CONTROL RANGE	DIAGNOSTIC NOTE
D Door Power Window UP	Driver door power window up activate	OFF/ON	-
D Door Power Window DOWN	Driver door power window down activate	OFF/ON	-
P Door Power Window UP	Front passenger door power window up activate	OFF/ON	-
P Door Power Window DOWN	Front passenger door power window down activate	OFF/ON	-

TESTER DISPLAY	MEASUREMENT ITEM	CONTROL RANGE	DIAGNOSTIC NOTE
RR Door Power Window UP	Rear RH door power window up activate	OFF/ON	-
RR Door Power Window DOWN	Rear RH door power window down activate	OFF/ON	-
RL Door Power Window UP	Rear LH door power window up activate	OFF/ON	-
RL Door Power Window DOWN	Rear LH door power window down activate	OFF/ON	-

HINT:

Up and down movement does not occur if the arrow is not pressed and held.

