

Last Modified: 12-04-2024	6.11:8.1.0	Doc ID: RM1000000299K0
Model Year Start: 2023	Model: Prius Prime	Prod Date Range: [12/2022 -]
Title: DOOR LOCK: POWER DOOR LOCK CONTROL SYSTEM: DATA LIST / ACTIVE TEST; 2023 - 2024 MY Prius Prius Prime [12/2022 -]		

DATA LIST / ACTIVE TEST

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 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.

- (a) Connect the GTS to the DLC3.
- (b) Turn the ignition switch to ON.
- (c) Turn the GTS on.
- (d) Enter the following menus: Body Electrical / Main Body or Master Switch / Data List.
- (e) 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
Manual Door Lock Switch (D/P Door)	Door control switch assembly lock signal	OFF or ON	OFF: Lock switch of door control switch assembly not pushed ON: Lock switch of door control switch assembly pushed	w/ Door Control Switch
Door Lock Switch Status by a Mechanical Key (D/P Door)	Driver door key-linked lock / unlock switch lock signal	OFF or ON	OFF: Driver door key cylinder not turned to lock position ON: Driver door key cylinder turned to lock position	-
Manual Door Unlock Switch (D/P Door)	Door control switch assembly unlock signal	OFF or ON	OFF: Unlock switch of door control switch assembly not pushed ON: Unlock switch of door control switch assembly pushed	w/ Door Control Switch

TESTER DISPLAY	MEASUREMENT ITEM	RANGE	NORMAL CONDITION	DIAGNOSTIC NOTE
Door Unlock Switch Status by a Mechanical Key (D Door)	Driver door key-linked lock / unlock switch lock signal	OFF or ON	OFF: Driver door key cylinder not turned to unlock position ON: Driver door key cylinder turned to unlock position	-
FR Door Lock Position Switch Status	Front door RH unlock detection switch signal	Lock or Unlock	Lock: Front door RH locked Unlock: Front door RH Unlocked	-
FL Door Lock Position Switch Status	Front door LH unlock detection switch signal	Lock or Unlock	Lock: Front door LH locked Unlock: Front door LH Unlocked	-
RR Door Lock Position Switch Status	Rear door RH unlock detection switch signal	Lock or Unlock	Lock: Rear door RH locked Unlock: Rear door RH Unlocked	-
RL Door Lock Position Switch Status	Rear door LH unlock detection switch signal	Lock or Unlock	Lock: Rear door LH locked Unlock: Rear door LH Unlocked	-
Back Door Lock Position Status	Back door lock signal	Lock or Unlock	Lock: Back door locked Unlock: Back door unlocked	-
FR Door Courtesy Switch Status	Front door courtesy light switch (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 (LH) signal	Close or Open	Close: Front door LH closed Open: Front door LH open	-
RR Door Courtesy Switch Status	Rear door courtesy light switch (RH) signal	Close or Open	Close: Rear door RH closed Open: Rear door RH open	-

TESTER DISPLAY	MEASUREMENT ITEM	RANGE	NORMAL CONDITION	DIAGNOSTIC NOTE
RL Door Courtesy Switch Status	Rear door courtesy light switch (LH) signal	Close or Open	Close: Rear door LH closed Open: Rear door LH open	-
Back Door Courtesy Switch Status	Back door courtesy light switch signal	Close or Open	Close: Back door closed Open: Back door open	-
RR Door Opener Switch	Rear door open switch RH signal	OFF or ON	OFF: Rear door open switch RH not pushed ON: Rear door open switch RH pushed	-
RL Door Opener Switch	Rear door open switch LH signal	OFF or ON	OFF: Rear door open switch LH not pushed ON: Rear door open switch LH pushed	-
IGR Power	Ignition switch ON signal	OFF or ON	OFF: Ignition switch off or ACC ON: Ignition switch ON	-
Unlock Key Twice Function	Key-linked 2-step unlock function	OFF or ON	Customize setting displayed	-
Automatic Door Lock Setting	Automatic door lock function	OFF, Link Shift or Link Speed	Customize setting displayed	w/ Automatic Door Lock Function
Automatic Door Unlock Setting	Automatic door unlock function	OFF, Link D-Door or Link Shift	Customize setting displayed	w/ Automatic Door Unlock Function

ACTIVE TEST

HINT:

Using the GTS to 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) Connect the GTS to the DLC3.
- (b) Turn the ignition switch to ON.
- (c) Turn the GTS on.
- (d) Enter the following menus: Body Electrical / Main Body / Active Test.
- (e) 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
Door Lock	Door lock motor	OFF/ON	-
Door Unlock	Door lock motor	OFF/ON	-
D-Door Unlock	Driver door lock motor	OFF/ON	-
Collision Door Lock Release	Operate door lock motor	OFF/ON	-
Trunk Lid / Back Door Open	Back door lock motor	OFF/ON	w/o Power Back Door System

