

<b>Last Modified:</b> 12-04-2024	6.11:8.1.0	<b>Doc ID:</b> RM1000000289N7
<b>Model Year Start:</b> 2023	<b>Model:</b> Prius Prime	<b>Prod Date Range:</b> [12/2022 - ]
<b>Title:</b> ADVANCED DRIVER ASSISTANCE SYSTEM: FRONT SIDE RADAR SENSOR SYSTEM: FREEZE FRAME DATA; 2023 - 2024 MY Prius Prius Prime [12/2022 - ]		

## **FREEZE FRAME DATA**

### **DESCRIPTION**

- (a) Whenever a front side radar sensor system DTC is stored, the front side radar sensor stores the current vehicle state (ECU and sensor information) as Freeze Frame Data.

### **CHECK FREEZE FRAME DATA**

- (a) Select a DTC to display the freeze frame data.

**Body Electrical > Front Side Radar "A" > Trouble Codes**

**Body Electrical > Front Side Radar "B" > Trouble Codes**

- (b) Check the freeze frame data for the output DTC.

### **FREEZE FRAME DATA CHART**

**Body Electrical > Front Side Radar "A"**

TESTER DISPLAY	MEASUREMENT ITEM	RANGE	NORMAL CONDITION	DIAGNOSTIC NOTE
Total Distance Traveled	Driving distance value	0 to 16777215	-	-
Total Distance Traveled - Unit	Displays the driving distance unit	km or mile	-	-
Power Supply Voltage	Displays the supply power voltage value	0.00 to 49.95 V	-	-
Shift Position R	Displays the shift state R ON/OFF state	OFF or ON	OFF: Shift state R ON: Shift state other than R	-
Vehicle Speed	Vehicle speed signal	-327.68 km/h (-204 mph) to 327.67 km/h (204 mph)	Approximately the same as actual vehicle speed	-
Steering Angle	Steering angle sensor	-3072.0 to 3070.5 deg	Steering wheel turned left: Value increases with steering wheel operation  Steering wheel turned right: Value decreases with steering wheel operation	-

TESTER DISPLAY	MEASUREMENT ITEM	RANGE	NORMAL CONDITION	DIAGNOSTIC NOTE
Yaw Rate	Displays the yaw rate sensor value	-125.000 to 124.612 deg/s	Turning right: -125.000 to 0 deg/s Turning left: 0 to 124.612 deg/s	-
Beam Axis Revision Angle	Displays the beam axis calibration angle	-327.68 to 327.67 deg	-	-

**Body Electrical > Front Side Radar "B"**

TESTER DISPLAY	MEASUREMENT ITEM	RANGE	NORMAL CONDITION	DIAGNOSTIC NOTE
Total Distance Traveled	Driving distance value	0 to 16777215	-	-
Total Distance Traveled - Unit	Displays the driving distance unit	km or mile	-	-
Power Supply Voltage	Displays the supply power voltage value	0.00 to 49.95 V	-	-
Shift Position R	Displays the shift state R ON/OFF state	OFF or ON	OFF: Shift state R ON: Shift state other than R	-
Vehicle Speed	Vehicle speed signal	-327.68 km/h (-204 mph) to 327.67 km/h (204 mph)	Approximately the same as actual vehicle speed	-
Steering Angle	Steering angle sensor	-3072.0 to 3070.5 deg	Steering wheel turned left: Value increases with steering wheel operation  Steering wheel turned right: Value decreases with steering wheel operation	-
Yaw Rate	Displays the yaw rate sensor value	-125.000 to 124.612 deg/s	Turning right: -125.000 to 0 deg/s Turning left: 0 to 124.612 deg/s	-
Beam Axis Revision Angle	Displays the beam axis calibration angle	-327.68 to 327.67 deg	-	-

