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Model Year Start: 2023	Model: Prius Prime	Prod Date Range: [12/2022 -]
Title: PARK ASSIST / MONITORING: INTUITIVE PARKING ASSIST SYSTEM: CALIBRATION; 2023 - 2024 MY Prius Prius Prime [12/2022 -]		

CALIBRATION

NOTICE:

When any of the following parts have been replaced, perform adjustment shown in the following table. If not, the intuitive parking assist system may not operate correctly.

ADJUST INTUITIVE PARKING ASSIST SYSTEM

(a) w/ Parking Support Brake System:

The necessary procedures (adjustment, calibration, initialization or registration) that must be performed after parts are removed and installed, or replaced during intuitive parking assist system removal/installation are shown below.

HINT:

When the bumper is removed and installed, or when the sensor is removed and installed, the registration is not required. However, if the body part is damaged or deformed due to an accident or contact, etc., and the body part is modified, measurement and registration are required.

PART NAME	OPERATION	ADJUSTMENT ITEM	PROCEED TO
Clearance warning ECU assembly	Replacement	Update ECU security key	INFO
		Measurement of Ultrasonic sensor detection angle	w/o Advanced Park: INFO
		Bumper type registration	w/ Advanced Park: INFO
		Ultrasonic sensor detection angle registration	
Ultrasonic sensor	Replacement	Measurement of Ultrasonic sensor detection angle	
		Ultrasonic sensor detection angle registration	
No. 1 lower radiator grille	When the radiator grille and ultrasonic sensor is damaged or deformed due to an accident or contact with other objects, etc., or the bumper installation area on the body is repaired.	Measurement of Ultrasonic sensor detection angle	
		Ultrasonic sensor detection angle registration	

PART NAME	OPERATION	ADJUSTMENT ITEM	PROCEED TO
Front bumper assembly	When the front bumper and ultrasonic sensor is damaged or deformed due to an accident or contact with other objects, etc., or the bumper installation area on the body is repaired.	Measurement of Ultrasonic sensor detection angle	
		Ultrasonic sensor detection angle registration	
Rear bumper assembly	When the rear bumper and ultrasonic sensor is damaged or deformed due to an accident or contact with other objects, etc., or the bumper installation area on the body is repaired.	Measurement of Ultrasonic sensor detection angle	
		Ultrasonic sensor detection angle registration	

(b) w/o Parking Support Brake System:

The necessary procedures (adjustment, calibration, initialization or registration) that must be performed after parts are removed and installed, or replaced during intuitive parking assist system removal/installation are shown below.

PART NAME	OPERATION	ADJUSTMENT ITEM	PROCEED TO
Clearance warning ECU assembly	Replacement	Update ECU security key	
		Bumper type registration	Procedure 1
Ultrasonic sensor		Initialization of ultrasonic sensors	Procedure 2

REGISTRATION OF BUMPER TYPE (PROCEDURE 1)

- Connect the GTS to the DLC3.
- Turn the ignition switch to ON.
- Turn the GTS on.
- Enter the following menus: Body Electrical / Clearance Warning / Utility.

Body Electrical > Clearance Warning > Utility

TESTER DISPLAY
ECU Calibration

- Select "Clearance Sonar ECU" and perform steering adjustment according to the display on the GTS.
- Enter the bumper type using the GTS.

BUMPER TYPE	VALUE
Standard	1

- Disconnect the GTS from the DLC3.

REGISTRATION OF ULTRASONIC SENSORS (PROCEDURE 2)

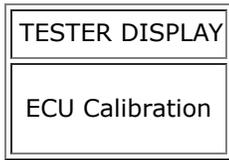
- Connect the GTS to the DLC3.

(b) Turn the ignition switch to ON.

(c) Turn the GTS on.

(d) Enter the following menus: Body Electrical / Clearance Warning / Utility.

Body Electrical > Clearance Warning > Utility



(e) Select "Fr Sensor or Bumper" or "Rr Sensor or Bumper" and perform automatic adjustment according to the display on the GTS.

(f) Disconnect the GTS from the DLC3.

