

<b>Last Modified:</b> 12-04-2024	6.11:8.1.0	<b>Doc ID:</b> RM100000028Q2B
<b>Model Year Start:</b> 2023	<b>Model:</b> Prius Prime	<b>Prod Date Range:</b> [12/2022 - ]
<b>Title:</b> PARK ASSIST / MONITORING: ULTRASONIC SENSOR (for Front): REMOVAL; 2023 - 2024 MY Prius Prius Prime [12/2022 - ]		

## REMOVAL

## CAUTION / NOTICE / HINT

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

### Necessary Procedures After Parts Removed/Installed/Replaced

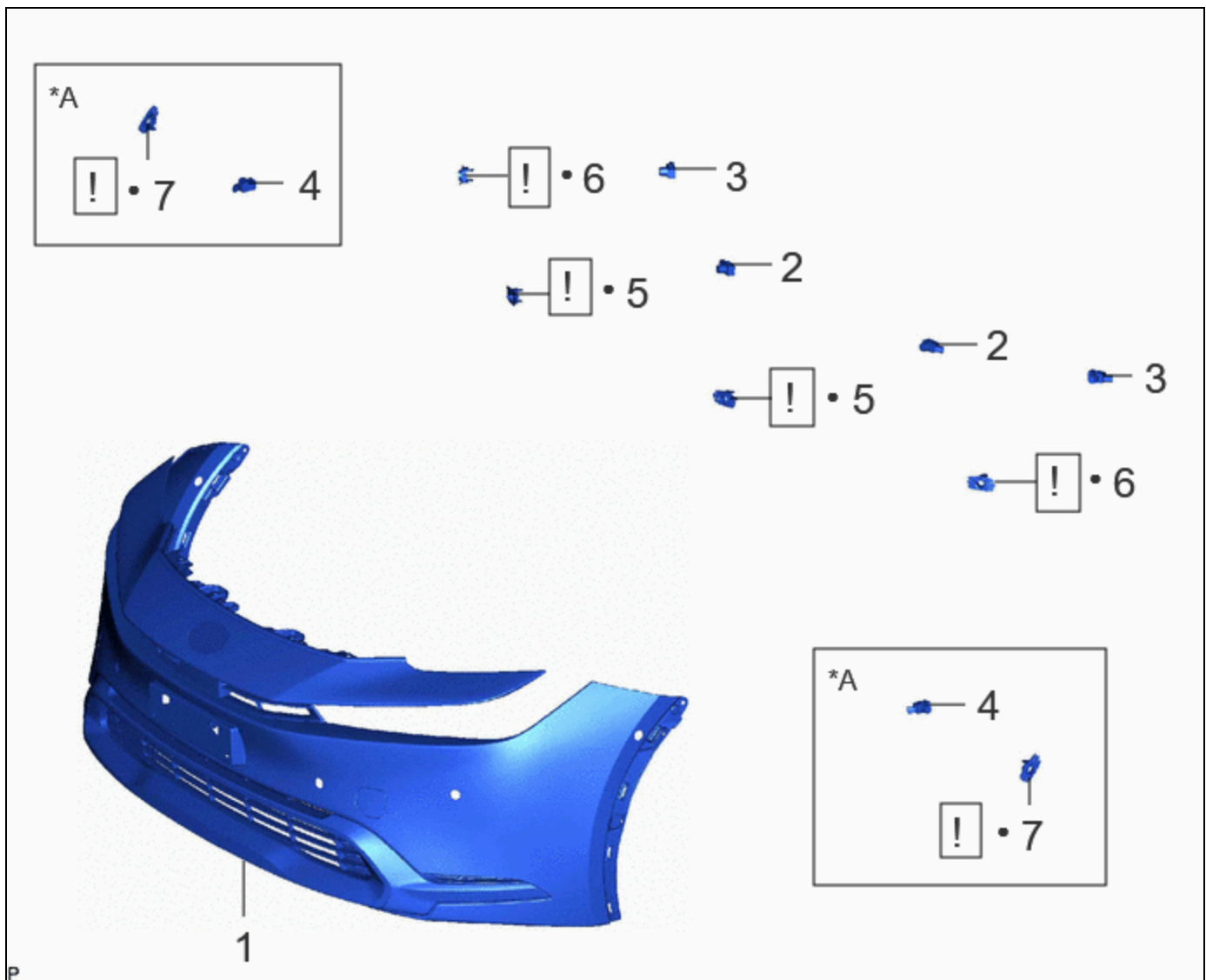
REPLACED PART OR PERFORMED PROCEDURE	NECESSARY PROCEDURES	EFFECT/INOPERATIVE FUNCTION WHEN NECESSARY PROCEDURES ARE NOT PERFORMED	LINK
Front bumper assembly*	Front television camera view adjustment	Panoramic View Monitor System	<a href="#">INFO</a>
		Advanced Park	<a href="#">INFO</a>
<b>Replacement or removal and installation of 2 or more parts:</b> <ul style="list-style-type: none"> <li>• Front television camera assembly, Radiator grille or Front bumper assembly</li> <li>• Rear television camera assembly</li> <li>• Side television camera assembly LH, Parking assist light LH or Outer rear view mirror assembly LH</li> <li>• Side television camera assembly RH, Parking assist light RH or Outer rear view mirror assembly RH</li> </ul>	Television camera view adjustment	Panoramic View Monitor System	<a href="#">INFO</a>
Ultrasonic sensor	<b>w/ Parking Support Brake System:</b> <ul style="list-style-type: none"> <li>• Measurement of Ultrasonic sensor detection angle</li> <li>• Ultrasonic sensor detection angle registration</li> </ul>	<ul style="list-style-type: none"> <li>• Intuitive Parking Assist Sensor System</li> <li>• Parking Support Brake System</li> </ul>	<a href="#">INFO</a>
		Advanced Park	<a href="#">INFO</a>




\*: Even when not replacing the part, it is necessary to perform the specified necessary procedures after installation.

REPLACED PART OR PERFORMED PROCEDURE	NECESSARY PROCEDURES	EFFECT/INOPERATIVE FUNCTION WHEN NECESSARY PROCEDURES ARE NOT PERFORMED	LINK
	<p><b>w/o Parking Support Brake System:</b></p> <p>Initialization of ultrasonic sensors</p>	<p>Intuitive Parking Assist Sensor System</p>	<p><a href="#">INFO</a></p>
<p>*: Even when not replacing the part, it is necessary to perform the specified necessary procedures after installation.</p>			

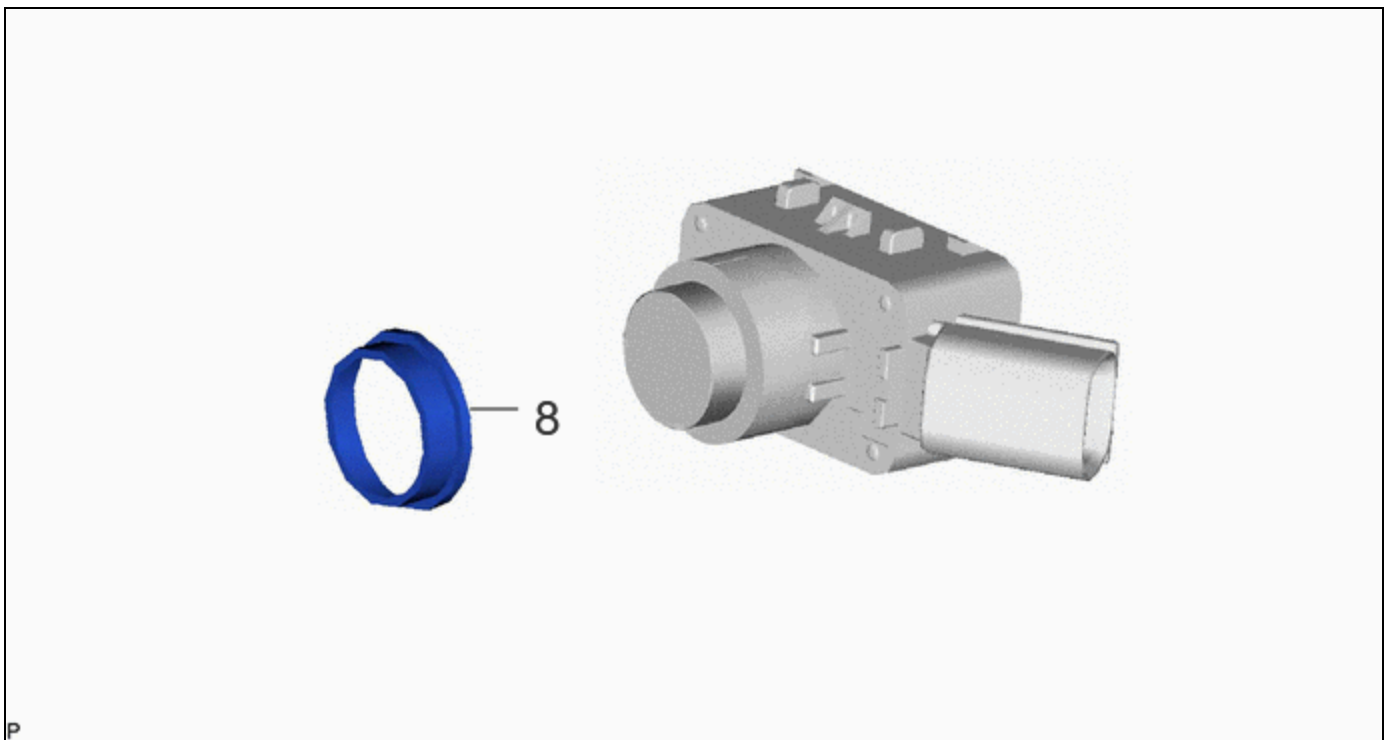
## CAUTION / NOTICE / HINT




### COMPONENTS (REMOVAL)



	PROCEDURE	PART NAME CODE			
1	FRONT BUMPER ASSEMBLY	-	-	-	-
2	FRONT CENTER ULTRASONIC SENSOR	89341L	-	-	-
3	FRONT CORNER ULTRASONIC SENSOR	89341K	-	-	-
4	FRONT SIDE ULTRASONIC SENSOR	89341M	-	-	-
5	FRONT CENTER ULTRASONIC SENSOR RETAINER	89C48E	<a href="#">INFO</a>	-	-
6	FRONT CORNER ULTRASONIC SENSOR RETAINER	89C48D	<a href="#">INFO</a>	-	-
7	FRONT SIDE ULTRASONIC SENSOR RETAINER	89C48F	<a href="#">INFO</a>	-	-

*A	w/ Advanced Park	-	-
•	Non-reusable part	-	-



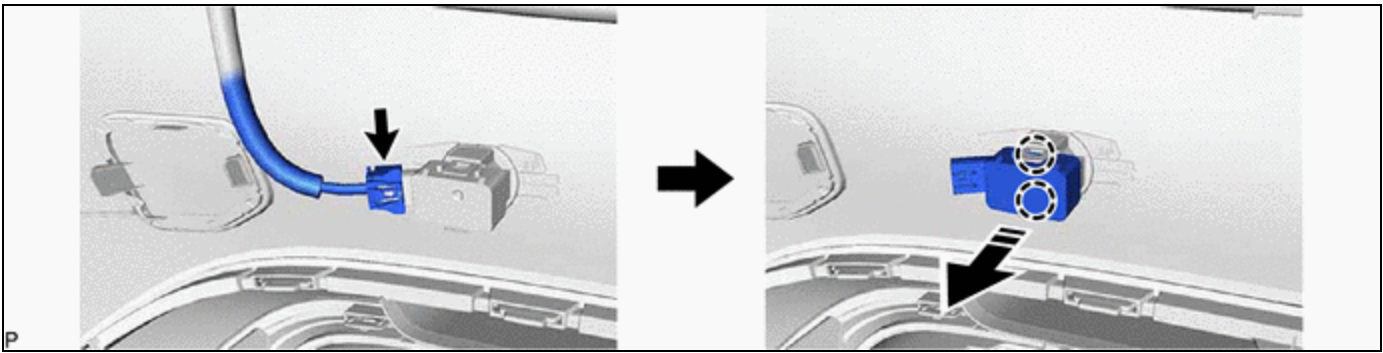
	PROCEDURE	PART NAME CODE			
8	ULTRASONIC SENSOR CUSHION SET	89305	-	-	-

## **PROCEDURE**

### **1. REMOVE FRONT BUMPER ASSEMBLY**

Click here [INFO](#)

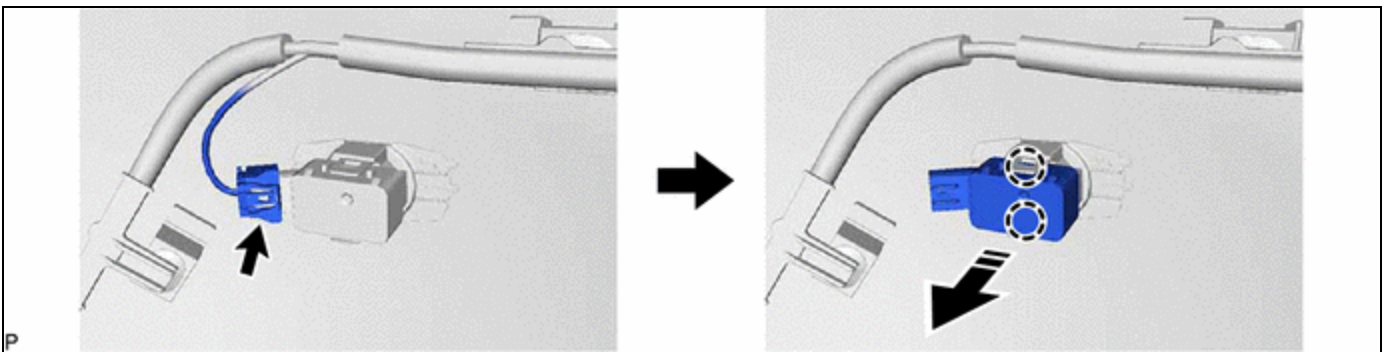
### 2. REMOVE FRONT CENTER ULTRASONIC SENSOR



	Remove in this Direction	-	-
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(b) The orientation for the RH side is the opposite of the LH side.

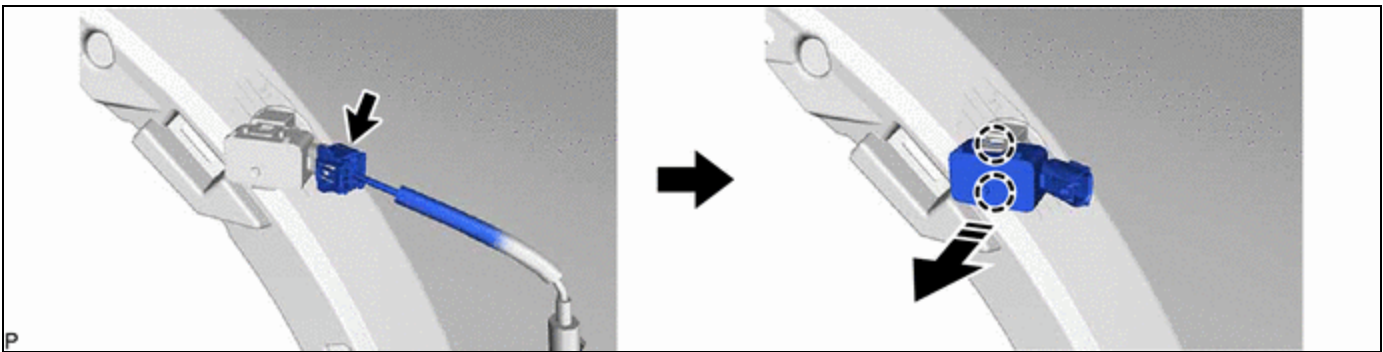
### 3. REMOVE FRONT CORNER ULTRASONIC SENSOR



	Remove in this Direction	-	-
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(b) The orientation for the RH side is the opposite of the LH side.

### 4. REMOVE FRONT SIDE ULTRASONIC SENSOR (w/ Advanced Park)



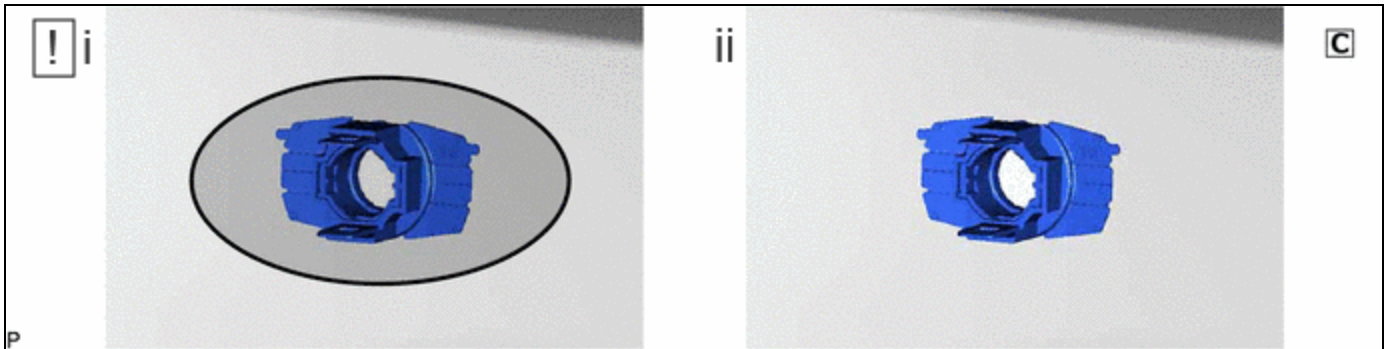
	Remove in this Direction	-	-
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(b) The orientation for the RH side is the opposite of the LH side.

### 5. REMOVE FRONT CENTER ULTRASONIC SENSOR RETAINER

**HINT:**

Perform this procedure only when replacement of the front center ultrasonic sensor retainer is necessary.



	Heated Area	-	-
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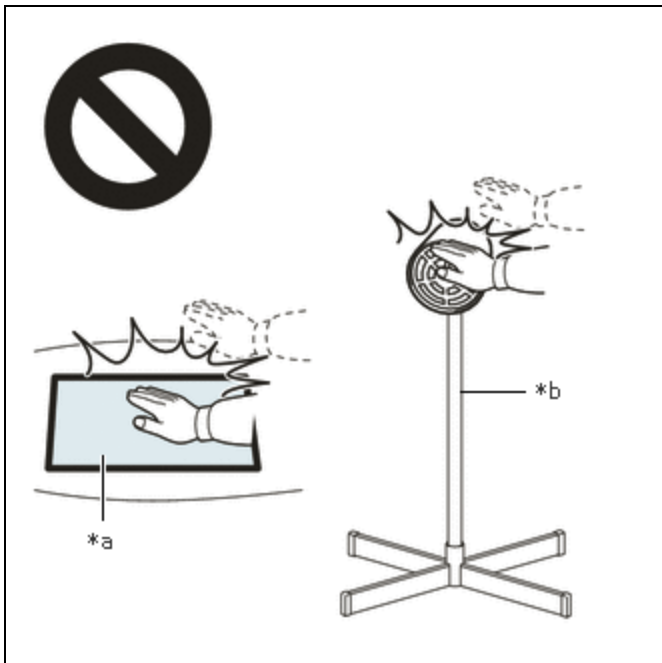
(1) Heat the adhesive of the front bumper assembly and front center ultrasonic sensor retainer using a heat light at the specified temperature for 3 to 5 minutes.

Standard Value:

PART	TEMPERATURE
Front Bumper Assembly	40 to 60°C (104 to 140°F)
Front Center Ultrasonic Sensor Retainer	

**CAUTION:**

- Do not touch the heat light and heated parts.
- Touching the heat light may result in burns.
- Touching heated parts for a long time may result in burns.



*a	Heated Part
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*b	Heat Light
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**NOTICE:**

Do not heat the front bumper assembly and front center ultrasonic sensor retainer excessively.

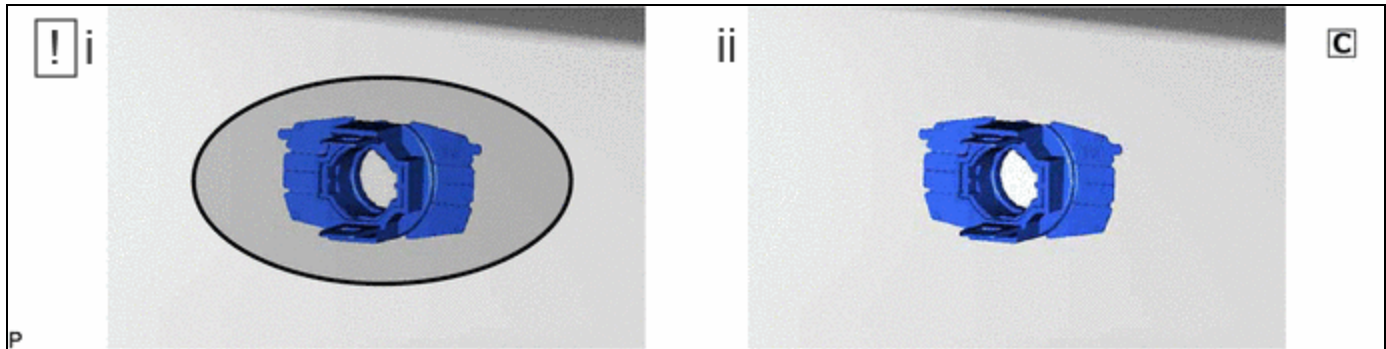
(2) Remove the front center ultrasonic sensor retainer.


(b) The orientation for the RH side is the opposite of the LH side.

**6. REMOVE FRONT CORNER ULTRASONIC SENSOR RETAINER**

**HINT:**

Perform this procedure only when replacement of the front corner ultrasonic sensor retainer is necessary.



	Heated Area	-	-
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(1) Heat the adhesive of the front bumper assembly and front corner ultrasonic sensor retainer using a heat light at the specified temperature for 3 to 5 minutes.

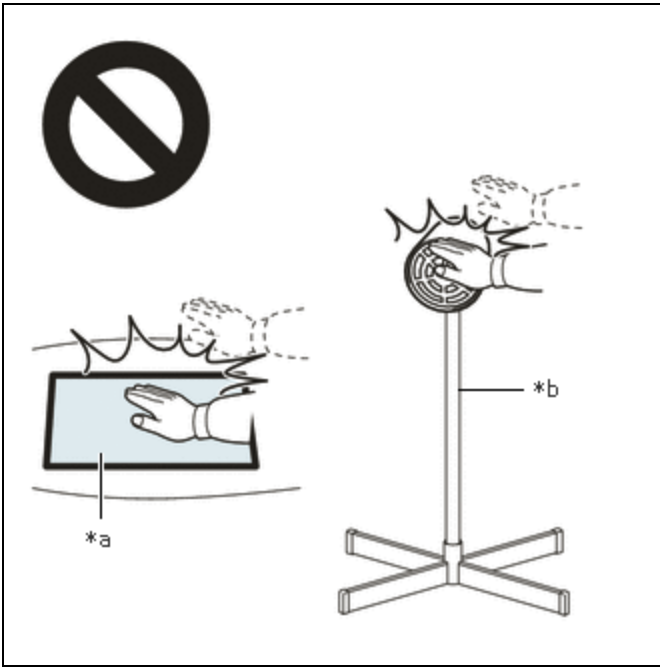
Standard Value:

PART	TEMPERATURE
Front Bumper Assembly	40 to 60°C (104 to 140°F)
Front Corner Ultrasonic Sensor Retainer	

**CAUTION:**

- Do not touch the heat light and heated parts.
- Touching the heat light may result in burns.
- Touching heated parts for a long time may result in burns.





*a	Heated Part
*b	Heat Light

**NOTICE:**

Do not heat the front bumper assembly and front corner ultrasonic sensor retainer excessively.

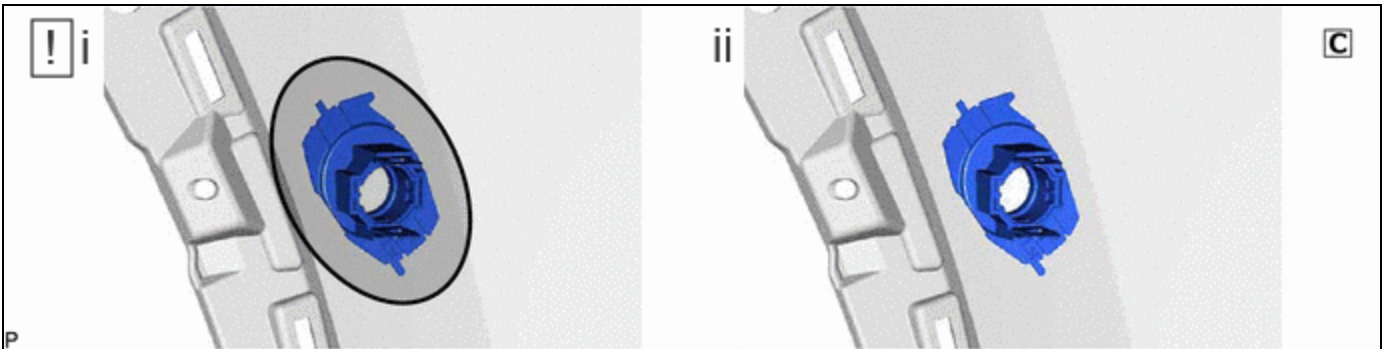
(2) Remove the front corner ultrasonic sensor retainer.


(b) The orientation for the RH side is the opposite of the LH side.

**7. REMOVE FRONT SIDE ULTRASONIC SENSOR RETAINER (w/ Advanced Park)**

**HINT:**

Perform this procedure only when replacement of the front side ultrasonic sensor retainer is necessary.



	Heated Area	-	-
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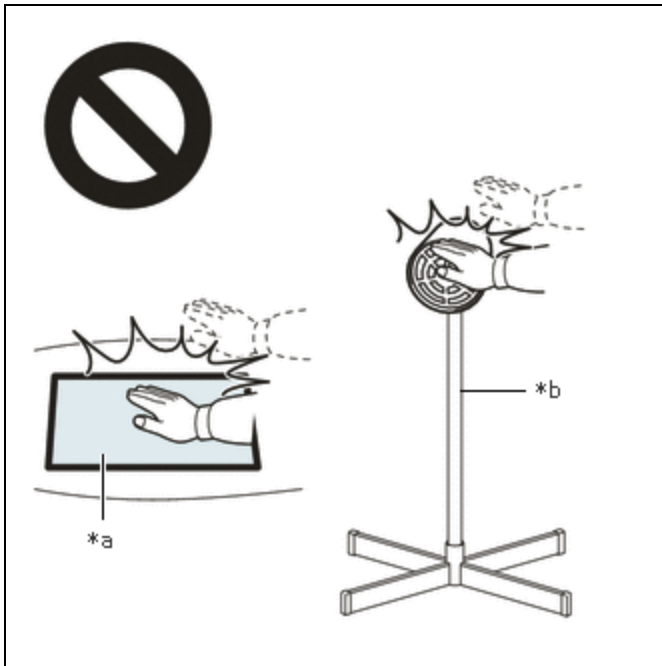
(1) Heat the adhesive of the front bumper assembly and front side ultrasonic sensor retainer using a heat light at the specified temperature for 3 to 5 minutes.

Standard Value:

PART	TEMPERATURE
Front Bumper Assembly	40 to 60°C (104 to 140°F)
Front Side Ultrasonic Sensor Retainer	

**CAUTION:**

- Do not touch the heat light and heated parts.
- Touching the heat light may result in burns.
- Touching heated parts for a long time may result in burns.



*a	Heated Part
*b	Heat Light

**NOTICE:**

Do not heat the front bumper assembly and front side ultrasonic sensor retainer excessively.

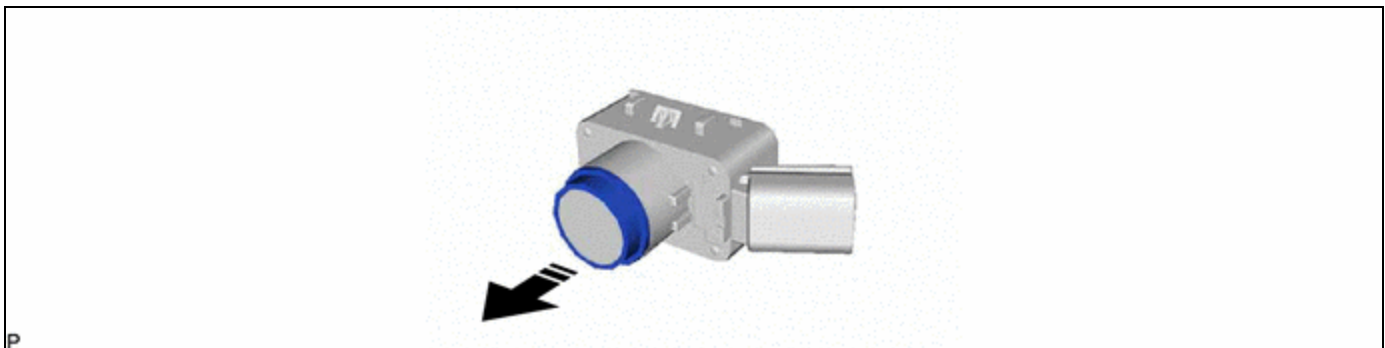
(2) Remove the front side ultrasonic sensor retainer.

(b) The orientation for the RH side is the opposite of the LH side.


**8. REMOVE ULTRASONIC SENSOR CUSHION SET**

**HINT:**

Perform this procedure only when replacement of the ultrasonic sensor cushion set is necessary.





	Remove in this Direction	-	-
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