

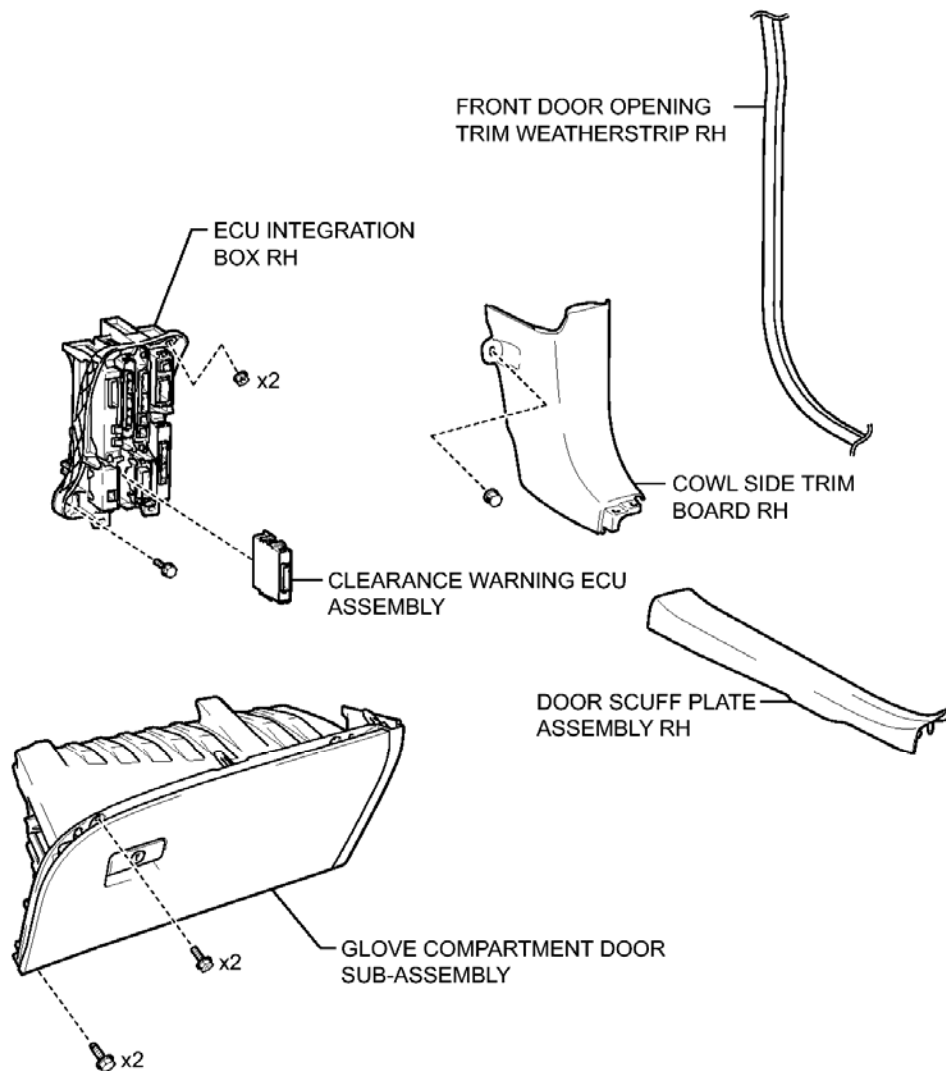
## **ACCESSORIES & EQUIPMENT**

### **Park Assist & Monitoring System (Service Information) - Sienna**

#### **CLEARANCE WARNING ECU**

##### **COMPONENTS**

##### **ILLUSTRATION**



P

**Fig. 1: Clearance Warning ECU Replacement Components**  
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

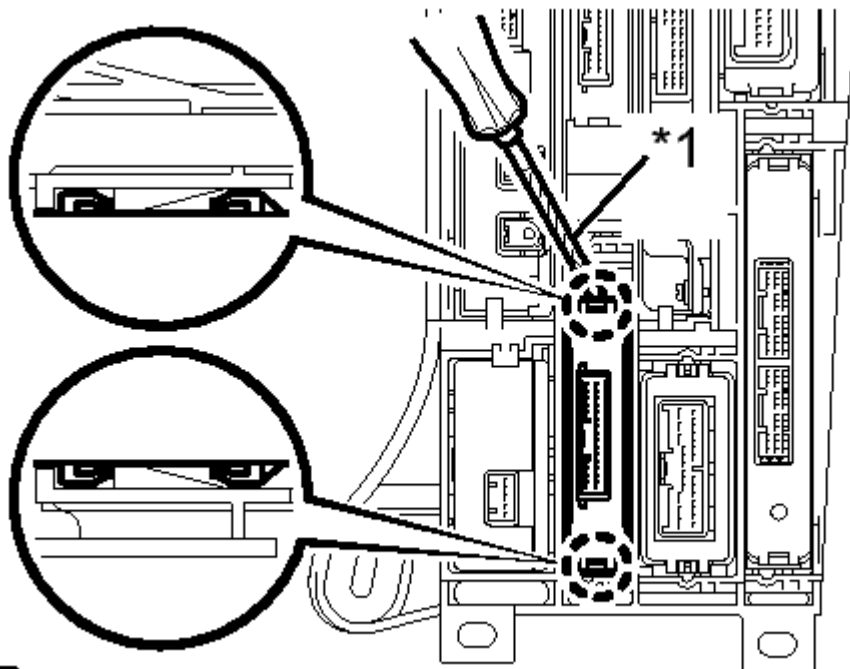
## REMOVAL

## REMOVAL

1. DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL

**NOTE:** When disconnecting the cable, some systems need to be initialized after the cable is reconnected. Refer to INITIALIZATION .

2. **REMOVE DOOR SCUFF PLATE ASSEMBLY RH** . Refer to REMOVAL - Step 3
3. **SEPARATE FRONT DOOR OPENING TRIM WEATHERSTRIP RH**
4. **REMOVE COWL SIDE TRIM BOARD RH** . Refer to REMOVAL - Step 5
5. **REMOVE GLOVE COMPARTMENT DOOR SUB-ASSEMBLY** . Refer to REMOVAL - Step 34
6. **REMOVE ECU INTEGRATION BOX RH** . Refer to REMOVAL - Step 6
7. **REMOVE CLEARANCE WARNING ECU ASSEMBLY**



**P**

**Fig. 2: Disengaging Clearance Warning ECU Assembly Claws Using Screwdriver**  
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- a. Using a screwdriver with its tip wrapped in protective tape, disengage the 2 claws and remove the clearance warning ECU.

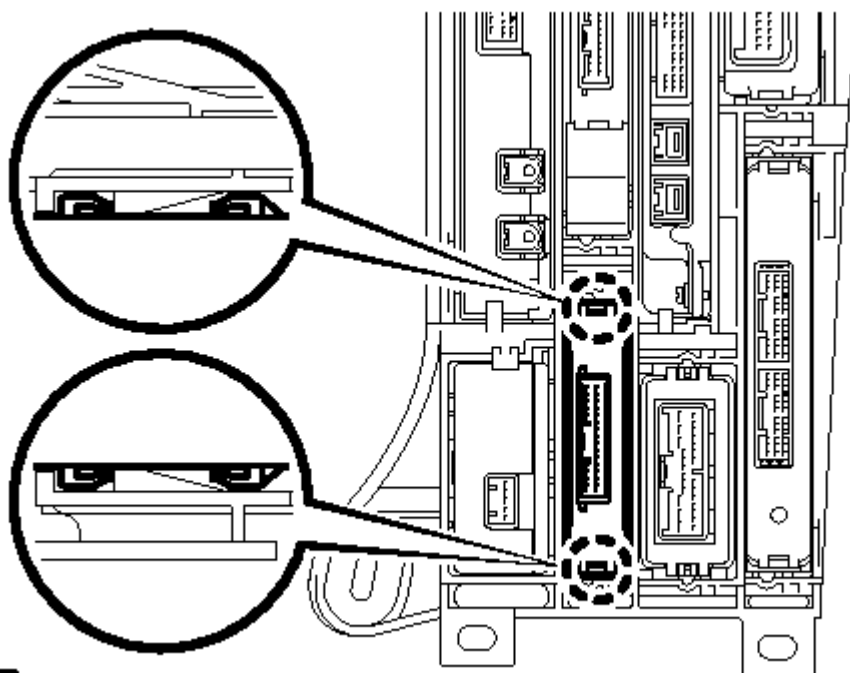
**TEXT IN ILLUSTRATION**

|    |                    |
|----|--------------------|
| *1 | Protective<br>Tape |
|----|--------------------|

**INSTALLATION**

**INSTALLATION**

1. **INSTALL CLEARANCE WARNING ECU ASSEMBLY**



**P**

**Fig. 3: Engaging Clearance Warning ECU Assembly Claws**

Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- a. Engage the 2 claws and install the clearance warning ECU.
2. **INSTALL ECU INTEGRATION BOX RH** . Refer to **INSTALLATION - Step 2**
3. **INSTALL GLOVE COMPARTMENT DOOR SUB-ASSEMBLY** . Refer to **INSTALLATION - Step 24**
4. **INSTALL COWL SIDE TRIM BOARD RH** . Refer to **INSTALLATION - Step 35**
5. **INSTALL FRONT DOOR OPENING TRIM WEATHERSTRIP RH**
6. **INSTALL DOOR SCUFF PLATE ASSEMBLY RH** . Refer to **INSTALLATION - Step 37**
7. **CONNECT CABLE TO NEGATIVE BATTERY TERMINAL**

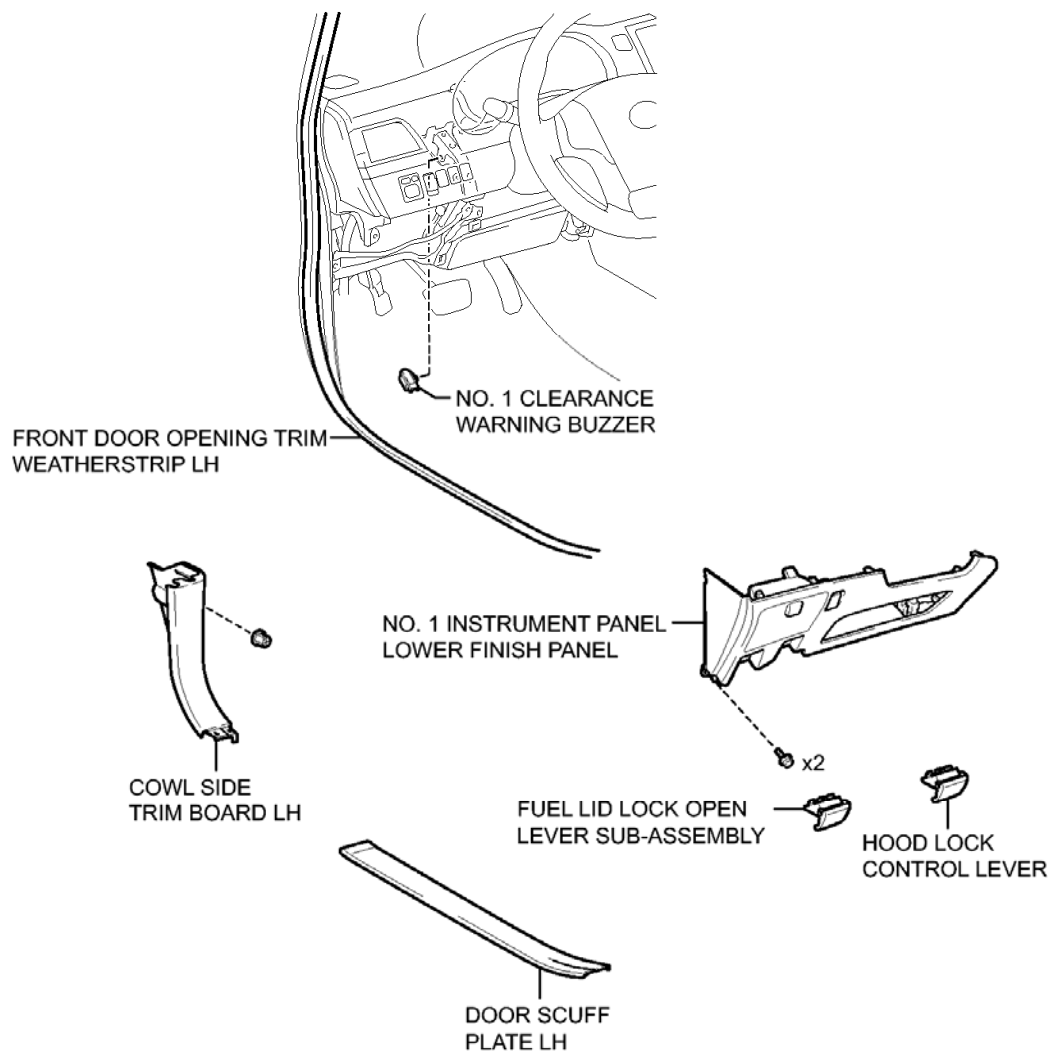
**Torque: 5.4 N\*m (55 kgf\*cm, 48 in.\*lbf)**

**NOTE:** When disconnecting the cable, some systems need to be initialized after the cable is reconnected. Refer to **INITIALIZATION** .

## **CLEARANCE WARNING BUZZER**

### **COMPONENTS**

### **ILLUSTRATION**



T

**Fig. 4: Clearance Warning Buzzer Replacement Components**  
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

## REMOVAL

## REMOVAL

1. REMOVE DOOR SCUFF PLATE LH

**HINT:**

Use the same procedure as for the RH side. Refer to **REMOVAL - Step 3** .

**2. REMOVE COWL SIDE TRIM BOARD LH**

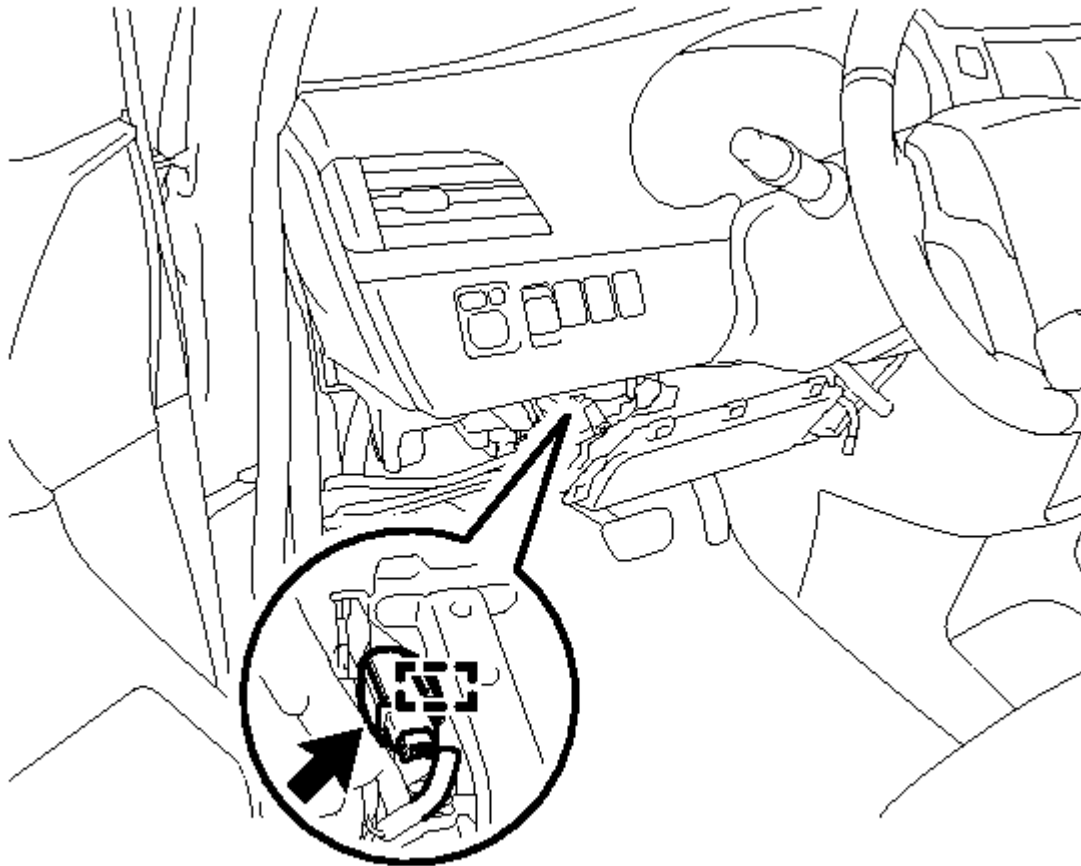
**HINT:**

Use the same procedure as for the RH side. Refer to **REMOVAL - Step 5** .

**3. SEPARATE FRONT DOOR OPENING TRIM WEATHERSTRIP LH**

**4. REMOVE NO. 1 INSTRUMENT PANEL LOWER FINISH PANEL . Refer to **REMOVAL - Step 19****

**5. REMOVE NO. 1 CLEARANCE WARNING BUZZER**



**T**

**Fig. 5: Locating No. 1 Clearance Warning Buzzer Connector**

**Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.**

- a. Disconnect the connector.
- b. Disengage the clamp and remove the clearance warning buzzer.

## **INSTALLATION**

### **INSTALLATION**

#### **1. INSTALL NO. 1 CLEARANCE WARNING BUZZER**

- a. Engage the clamp and install the clearance warning buzzer.
- b. Connect the connector.

#### **2. INSTALL NO. 1 INSTRUMENT PANEL LOWER FINISH PANEL . Refer to INSTALLATION - Step 39**

#### **3. INSTALL FRONT DOOR OPENING TRIM WEATHERSTRIP LH**

#### **4. INSTALL COWL SIDE TRIM BOARD LH**

#### **HINT:**

Use the same procedure as for the RH side. Refer to INSTALLATION - Step 35 .

#### **5. INSTALL DOOR SCUFF PLATE LH**

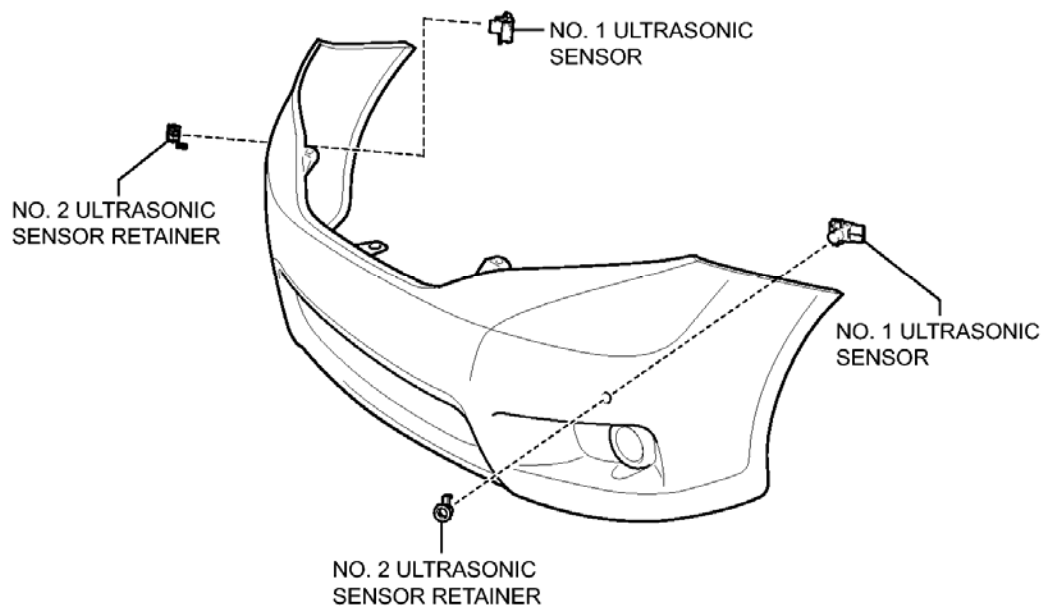
#### **HINT:**

Use the same procedure as for the RH side. Refer to INSTALLATION - Step 37 .

## **ULTRASONIC SENSOR (FOR FRONT SIDE)**

### **COMPONENTS**

### **ILLUSTRATION**



T

**Fig. 6: Ultrasonic Sensor Replacement Components**  
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

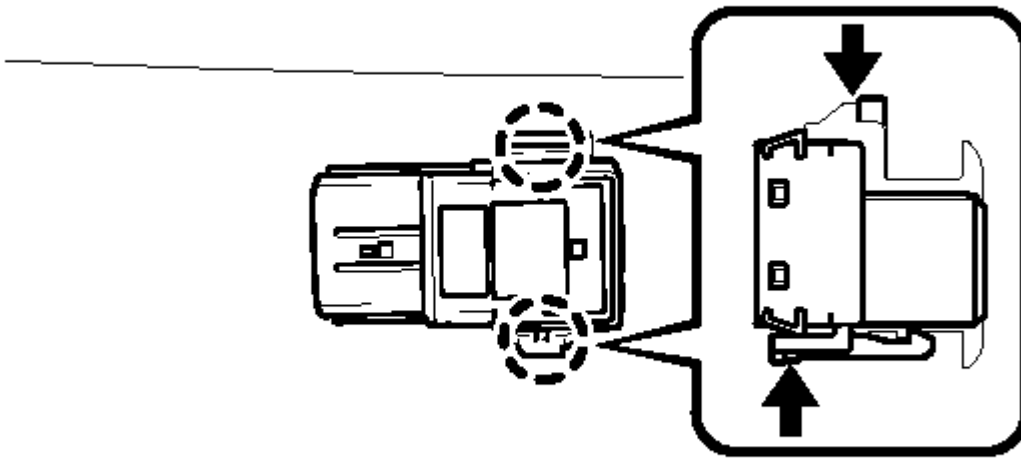
## REMOVAL

### REMOVAL

#### 1. REMOVE FRONT BUMPER COVER

Refer to **REMOVAL**

#### 2. REMOVE NO. 1 ULTRASONIC SENSOR



**P**

**Fig. 7: Identifying Claws**

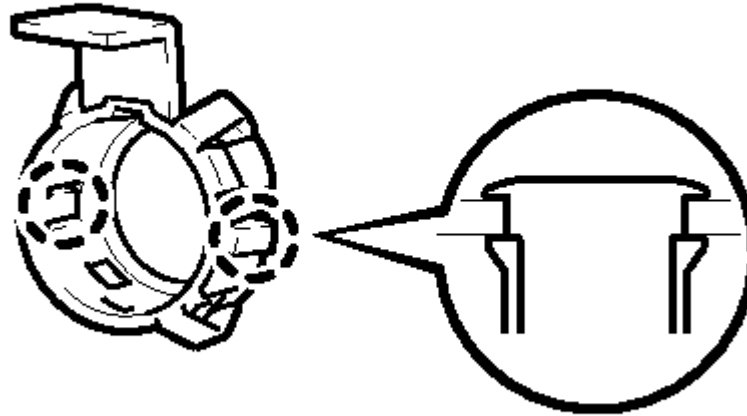
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- a. Disengage the 2 claws to release the lock as shown in the illustration and remove the No. 1 ultrasonic sensor.

**HINT:**

Use the same procedure for the remaining parts.

**3. REMOVE NO. 2 ULTRASONIC SENSOR RETAINER**



**P**

**Fig. 8: Identifying No. 2 Ultrasonic Sensor Retainer Claws (For Corner Sensor)**  
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- a. Disengage the 2 claws and remove the No. 2 ultrasonic sensor retainer.

**HINT:**

Use the same procedure for the remaining parts.

**INSPECTION**

**INSPECTION**

**1. INSPECT NO. 1 ULTRASONIC SENSOR**

- a. Measure the resistance according to the value(s) in the table below.

\*a

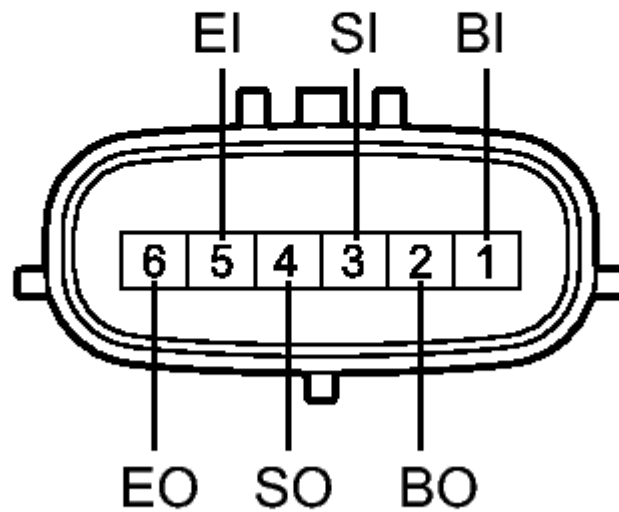


**Fig. 9: No. 1 Ultrasonic Sensor Connector End View**  
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

Standard Resistance

| Tester Connection | Condition | Specified Condition |
|-------------------|-----------|---------------------|
| 1 (BI) - 5 (EI)   | Always    | 10 kohms or higher  |
| 1 (BI) - 2 (BO)   | Always    | 10 kohms or higher  |
| 3 (SI) - 4 (SO)   | Always    | Below 1 ohms        |
| 5 (EI) - 6 (EO)   | Always    | Below 1 ohms        |

#### TEXT IN ILLUSTRATION

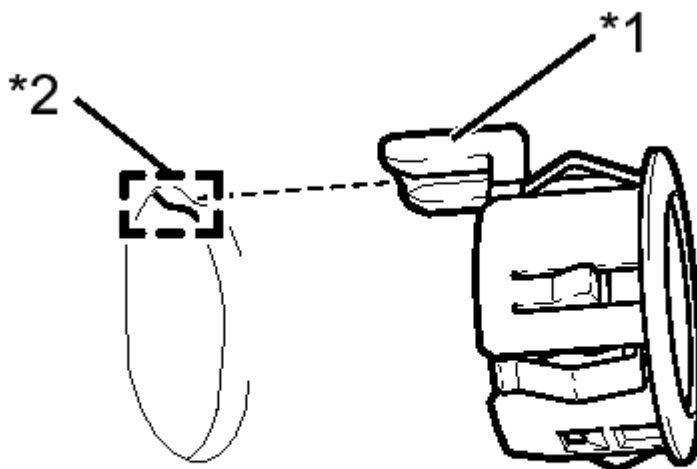
|    |                                              |
|----|----------------------------------------------|
|    | Component<br>without<br>harness              |
| *a | connected<br>(No. 1<br>Ultrasonic<br>Sensor) |

If the result is not as specified, replace the No. 1 ultrasonic sensor.

#### INSTALLATION

#### INSTALLATION

##### 1. INSTALL NO. 2 ULTRASONIC SENSOR RETAINER



#### P

**Fig. 10: Remove/Install The No. 1 Ultra Sonic Sensor Retainer**  
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- Temporarily install the No. 2 ultrasonic sensor retainer to the front bumper.

#### TEXT IN ILLUSTRATION

|    |            |
|----|------------|
| *1 | Protrusion |
| *2 | Keyhole    |

**NOTE:**

- Do not damage the front bumper with the protrusion when installing the retainer.
- Securely install the No. 2 ultrasonic sensor retainer so that there are no gaps between the retainer and surface of the front bumper.

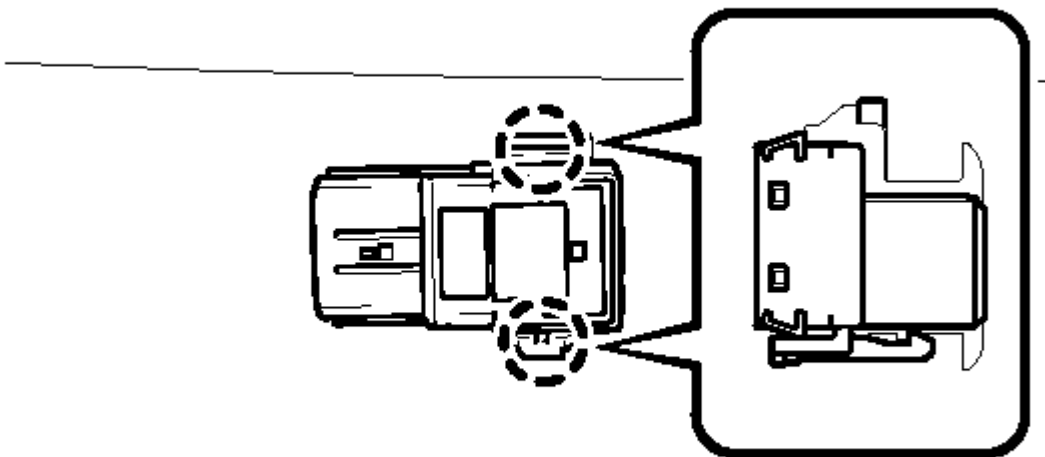
**HINT:**

- When installing the retainer, align the keyhole and protrusion as shown in the illustration.
  - The illustration is for the LH side. The RH side is the opposite of the LH side.
- b. Engage the 2 claws to install the No. 2 ultrasonic sensor retainer.

**HINT:**

Use the same procedure for the remaining part.

**2. INSTALL NO. 1 ULTRASONIC SENSOR**



**P**

**Fig. 11: Identifying The 2 Claws**

Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- a. Engage the 2 claws to install the No. 1 ultrasonic sensor.

**NOTE:**

**Push the No. 1 ultrasonic sensor retainer from the outside of the bumper when there is a gap between the retainer and the bumper surface. In this case, do not push on the ultrasonic sensor.**

**HINT:**

The illustration is for the LH side. The RH side is the opposite of the LH side.

- b. Connect the connector.

**HINT:**

Use the same procedure for the remaining parts.

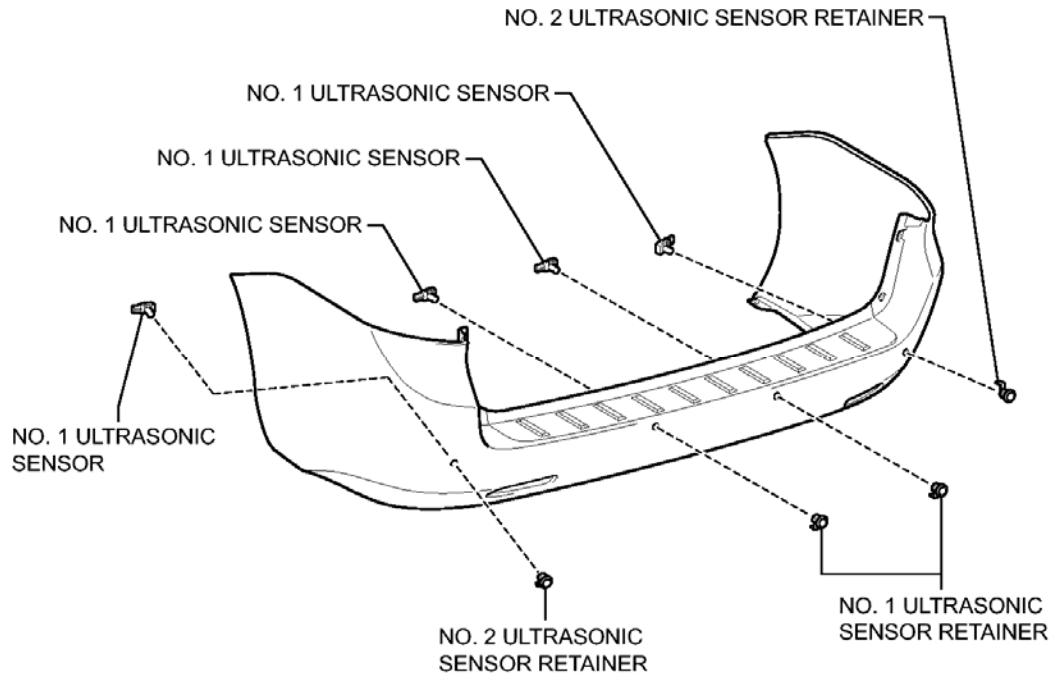
**3. INSTALL FRONT BUMPER COVER**

Refer to **INSTALLATION**

**ULTRASONIC SENSOR (FOR REAR SIDE)**

**COMPONENTS**

**ILLUSTRATION**



T

**Fig. 12: Ultrasonic Sensor Replacement Components**

Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

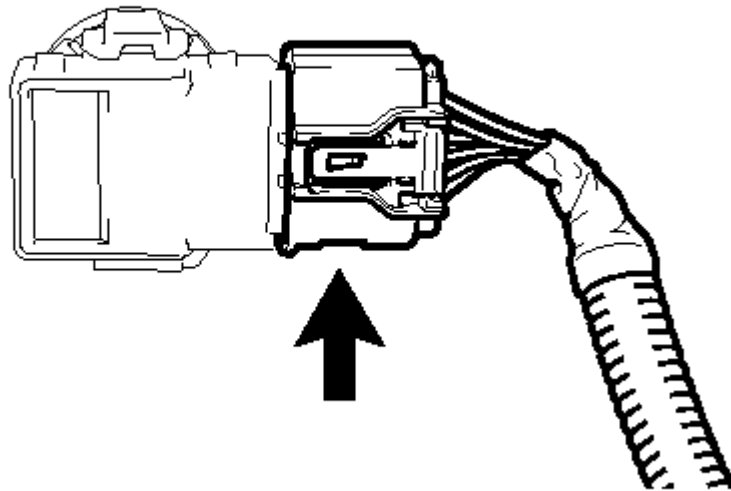
## REMOVAL

### REMOVAL

#### 1. REMOVE REAR BUMPER COVER

Refer to REMOVAL

#### 2. REMOVE NO. 1 ULTRASONIC SENSOR (for Back Sensor)



**P**

**Fig. 13: Locating No. 1 Ultrasonic Sensor Connector (For Back Sensor)**

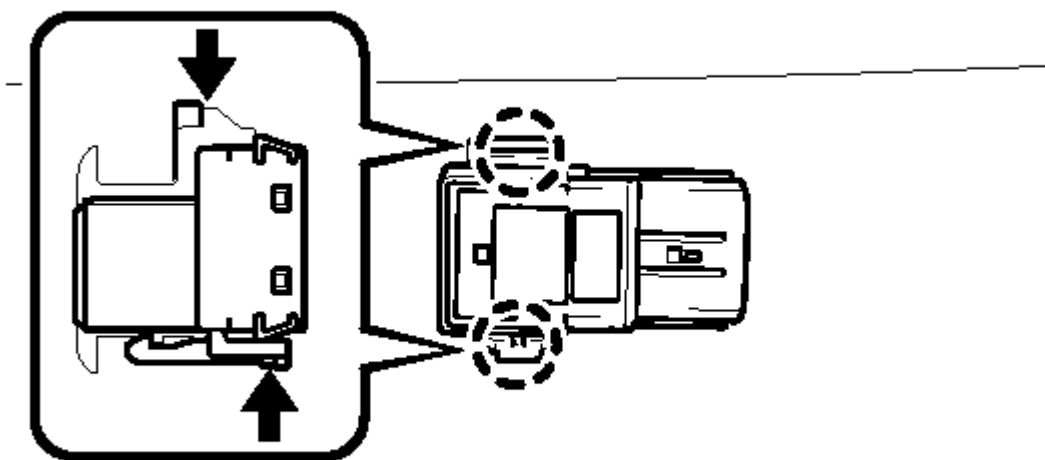
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- a. Disconnect the connector.

#### **HINT:**

Use the same procedure for the remaining parts.

- b. Disengage the 2 claws as shown in the illustration and release the lock and remove the No. 1 ultrasonic sensor.



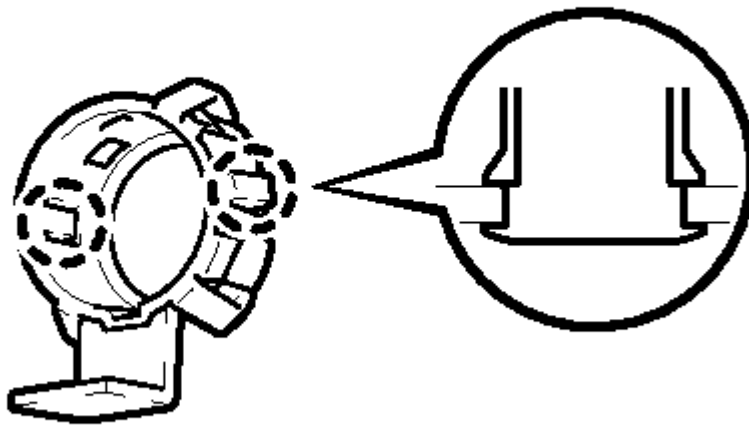
**P**

**Fig. 14: Identifying No. 1 Ultrasonic Sensor Claws**  
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

**HINT:**

Use the same procedure for the remaining parts.

**3. REMOVE NO. 1 ULTRASONIC SENSOR RETAINER (for Back Sensor)**



**P**

**Fig. 15: Identifying No. 1 Ultrasonic Sensor Retainer Claws (For Back Sensor)**  
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- a. Disengage the 2 claws and remove the No. 1 ultrasonic sensor retainer.

**HINT:**

Use the same procedure for the remaining parts.

**4. REMOVE NO. 1 ULTRASONIC SENSOR (for Corner Sensor)**

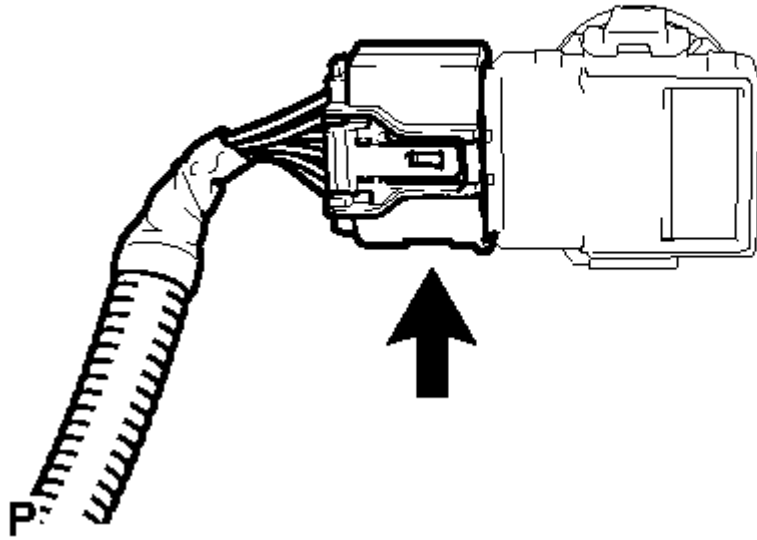


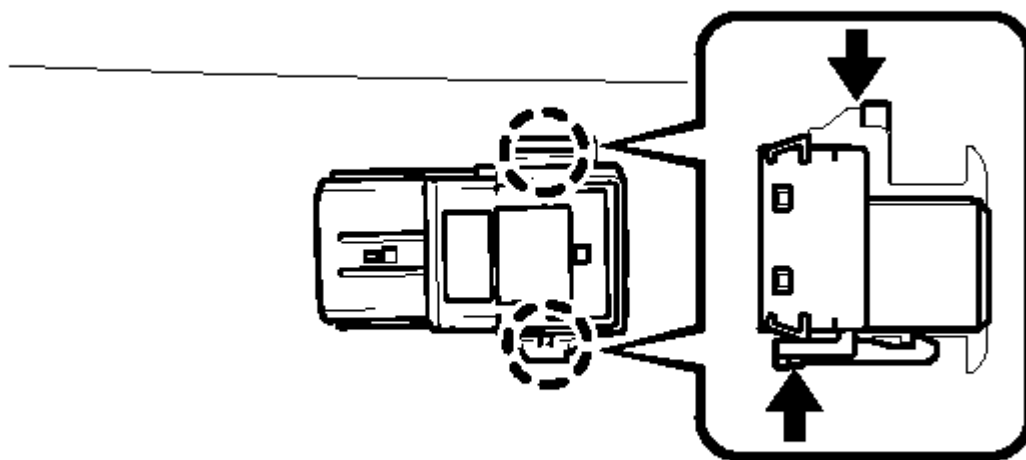
**Fig. 16: Identifying No. 1 Ultrasonic Sensor Connector (For Corner Sensor)**  
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- a. Disconnect the connector.

**HINT:**

Use the same procedure for the remaining parts.

- b. Disengage the 2 claws as shown in the illustration and release the lock and remove the No. 1 ultrasonic sensor.



**P**

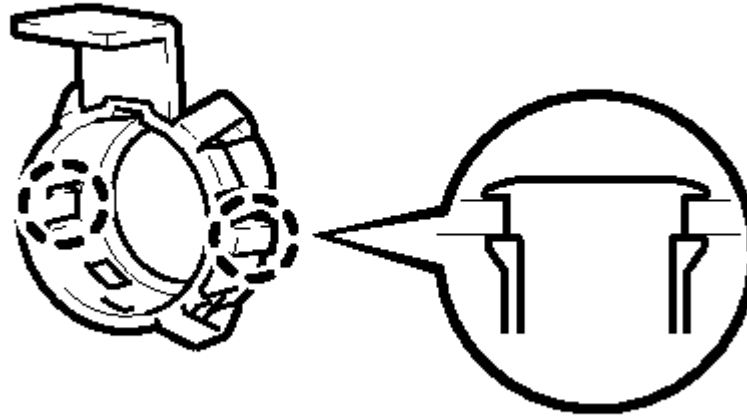
**Fig. 17: Identifying Claws**

Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

**HINT:**

Use the same procedure for the remaining parts.

5. **REMOVE NO. 2 ULTRASONIC SENSOR RETAINER (for Corner Sensor)**



**P**

**Fig. 18: Identifying No. 2 Ultrasonic Sensor Retainer Claws (For Corner Sensor)**  
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- a. Disengage the 2 claws and remove the No. 2 ultrasonic sensor retainer.

**HINT:**

Use the same procedure for the remaining parts.

**INSPECTION**

**INSPECTION**

**1. INSPECT NO. 1 ULTRASONIC SENSOR**

- a. Measure the resistance according to the value(s) in the table below.

\*a

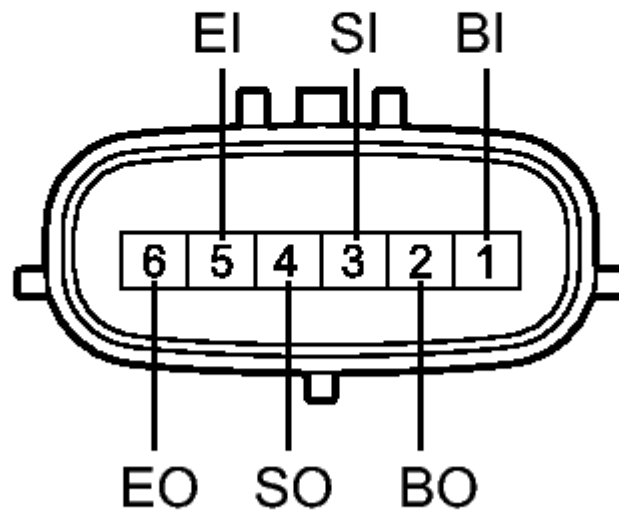


**Fig. 19: No. 1 Ultrasonic Sensor Connector End View**  
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

Standard Resistance

| Tester Connection | Condition | Specified Condition |
|-------------------|-----------|---------------------|
| 1 (BI) - 5 (EI)   | Always    | 10 kohms or higher  |
| 1 (BI) - 2 (BO)   | Always    | 10 kohms or higher  |
| 3 (SI) - 4 (SO)   | Always    | Below 1 ohms        |
| 5 (EI) - 6 (EO)   | Always    | Below 1 ohms        |

#### TEXT IN ILLUSTRATION

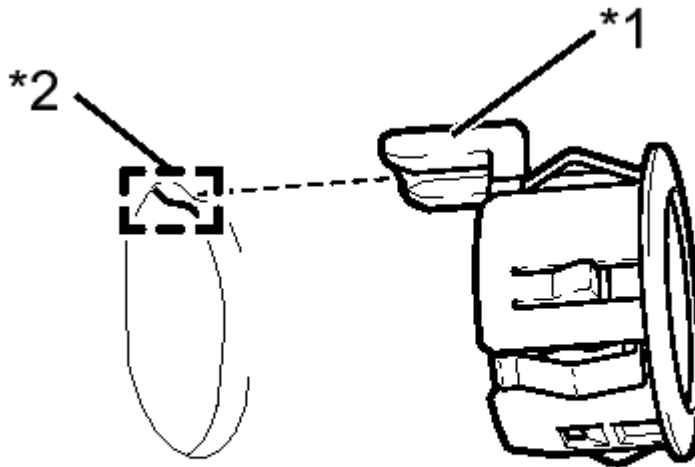
|    |                                              |
|----|----------------------------------------------|
|    | Component<br>without<br>harness              |
| *1 | connected<br>(No. 1<br>Ultrasonic<br>Sensor) |

If the result is not as specified, replace the No. 1 ultrasonic sensor.

#### INSTALLATION

#### INSTALLATION

1. INSTALL NO. 1 ULTRASONIC SENSOR RETAINER (for Back Sensor)



#### P

**Fig. 20: Remove/Install The No. 1 Ultra Sonic Sensor Retainer**  
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- a. Temporarily install the No. 1 ultrasonic sensor retainer to the rear bumper.

#### TEXT IN ILLUSTRATION

|    |            |
|----|------------|
| *1 | Protrusion |
| *2 | Keyhole    |

**NOTE:**

- Do not damage the rear bumper with the protrusion when installing the retainer.
- Securely install the No. 1 ultrasonic sensor retainer so that there are no gaps between the retainer and surface of the rear bumper.

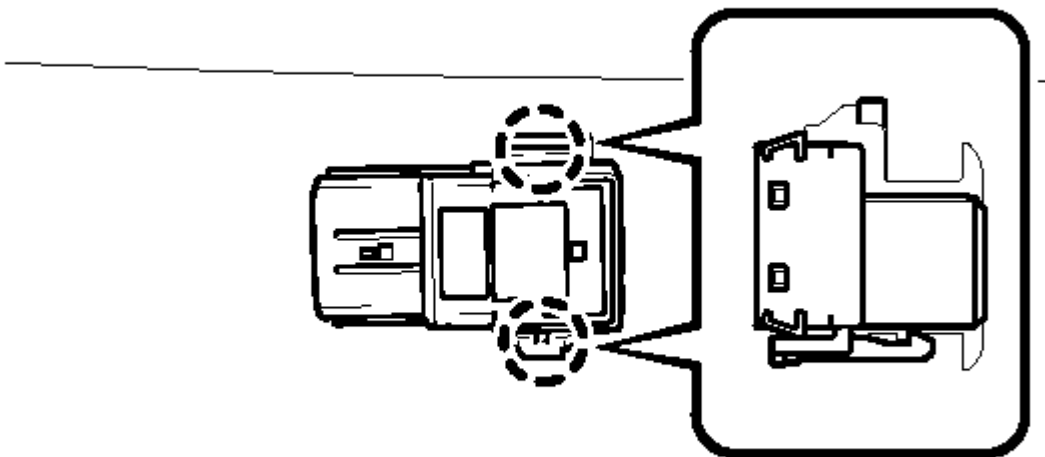
**HINT:**

- When installing the retainer, align the keyhole and protrusion as shown in the illustration.
  - Use the same procedure for the remaining parts.
- b. Engage the 2 claws to install the No. 1 ultrasonic sensor retainer.

**HINT:**

Use the same procedure for the remaining parts.

**2. INSTALL NO. 1 ULTRASONIC SENSOR (for Back Sensor)**



**P**

**Fig. 21: Identifying The 2 Claws**

Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- a. Engage the 2 claws to install the No. 1 ultrasonic sensor.

**NOTE:**

Push the No. 1 ultrasonic sensor retainer from the outside of the bumper when there is a gap between the retainer and the bumper surface. In this case, do not push on the ultrasonic sensor.

**HINT:**

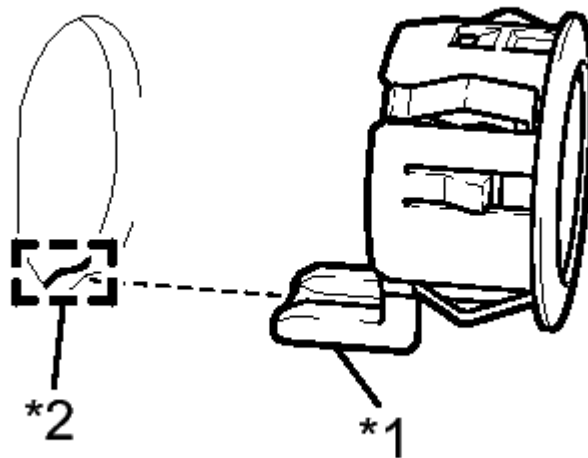
Use the same procedure for the remaining parts.

- b. Connect the connector.

**HINT:**

Use the same procedure for the remaining parts.

**3. INSTALL NO. 2 ULTRASONIC SENSOR RETAINER (for Corner Sensor)**



**P**

**Fig. 22: Identifying No. 2 Ultrasonic Sensor Retainer Protrusion & Keyhole (For Corner Sensor)**  
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- a. Temporarily install the No. 2 ultrasonic sensor retainer to the rear bumper.

**TEXT IN ILLUSTRATION**

|    |            |
|----|------------|
| *1 | Protrusion |
| *2 | Keyhole    |

**NOTE:**

- Do not damage the rear bumper with the protrusion when installing the retainer.
- Securely install the No. 2 ultrasonic sensor retainer so that there are no gaps between the retainer and surface of the rear bumper.

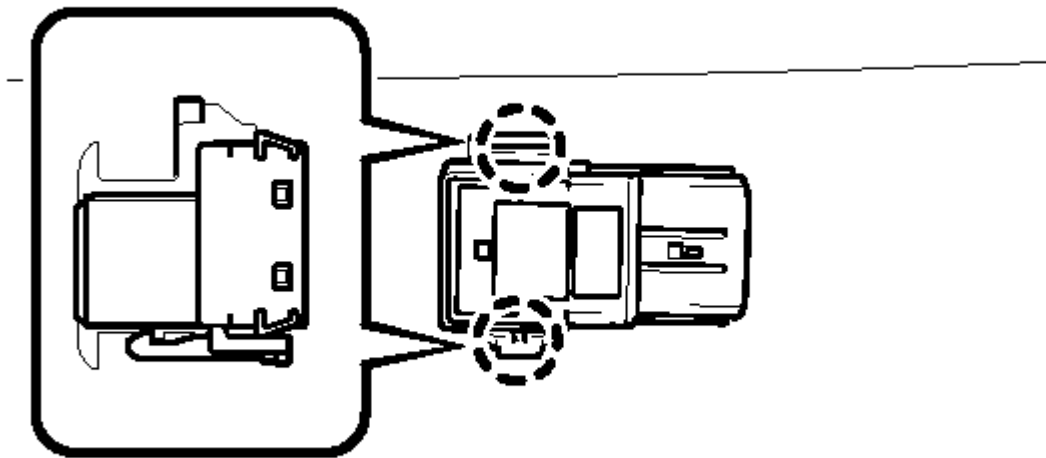
**HINT:**

- When installing the retainer, align the keyhole and protrusion as shown in the illustration.
  - Use the same procedure for the remaining parts.
- b. Engage the 2 claws to install the No. 2 ultrasonic sensor retainer.

**HINT:**

Use the same procedure for the remaining parts.

**4. INSTALL NO. 1 ULTRASONIC SENSOR (for Corner Sensor)**



**P**

**Fig. 23: Identifying No. 1 Ultrasonic Sensor Claws (For Corner Sensor)**  
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- a. Engage the 2 claws to install the No. 1 ultrasonic sensor.

**NOTE:** Push the No. 1 ultrasonic sensor retainer from the outside of the bumper when there is a gap between the retainer and the bumper surface. In this case, do not push on the ultrasonic sensor.

**HINT:**

Use the same procedure for the remaining parts.

- b. Connect the connector.

**HINT:**

Use the same procedure for the remaining parts.

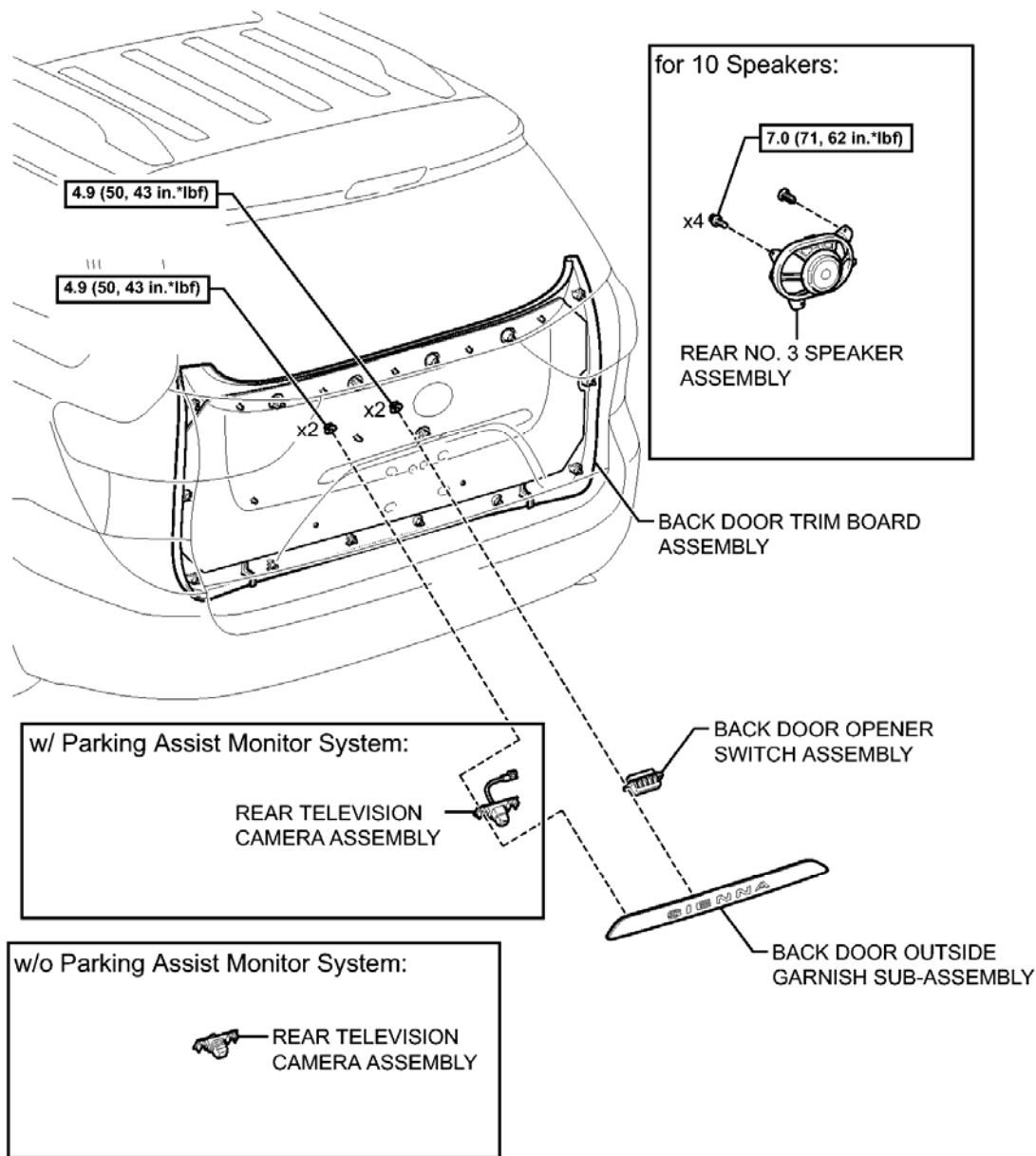
**5. INSTALL REAR BUMPER COVER**

Refer to **INSTALLATION**

**TELEVISION CAMERA**

**COMPONENTS**

**ILLUSTRATION**



**[N\*m (kgf\*cm, ft.\*lbf)]:** Specified torque

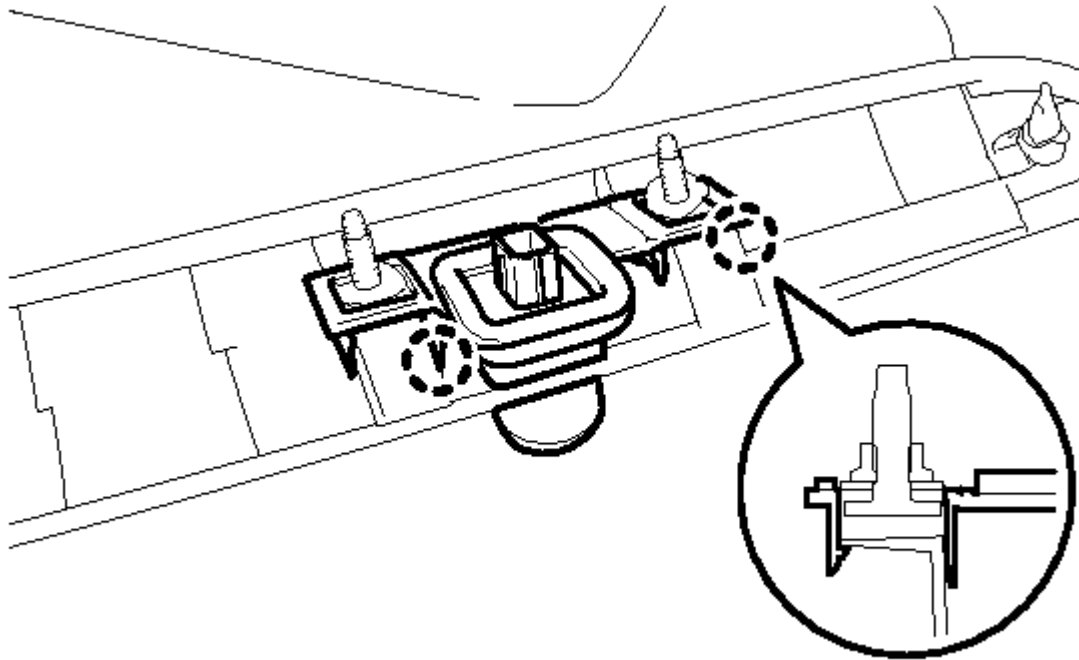
**Fig. 24: Television Camera Replacement Components With Torque Specifications**  
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

## REMOVAL

## REMOVAL

1. **REMOVE BACK DOOR TRIM BOARD ASSEMBLY** . Refer to **DISASSEMBLY - Step 2**

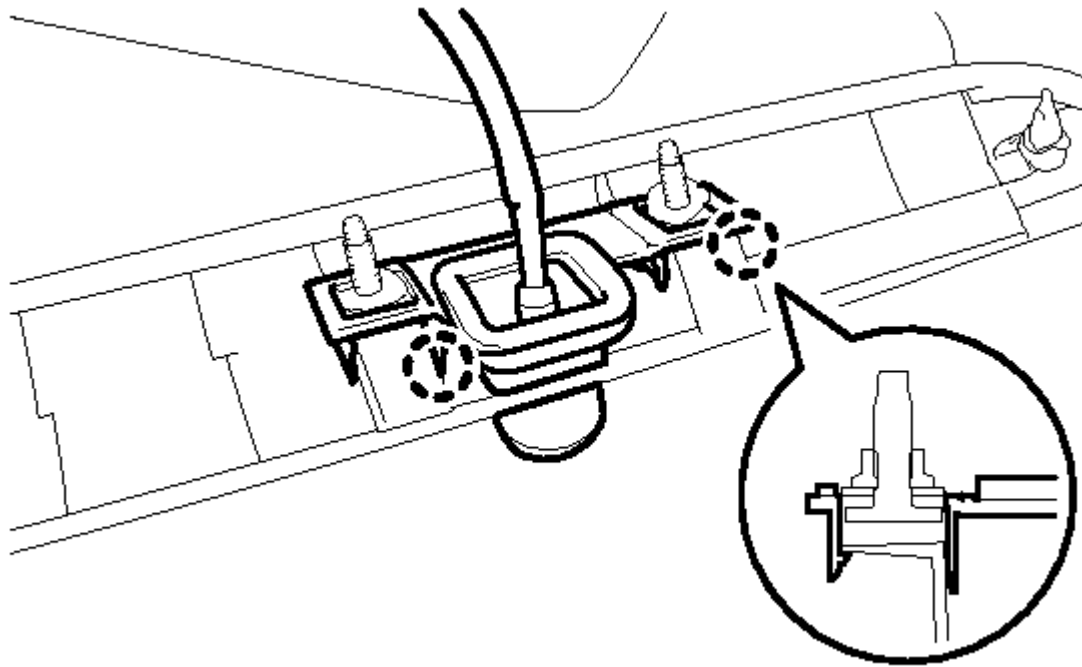
2. **REMOVE REAR NO. 3 SPEAKER ASSEMBLY (for 10 Speakers)** . Refer to **REMOVAL - Step 2**
3. **REMOVE BACK DOOR OUTSIDE GARNISH SUB-ASSEMBLY** . Refer to **REMOVAL - Step 3**
4. **REMOVE BACK DOOR OPENER SWITCH ASSEMBLY** . Refer to **REMOVAL - Step 3**
5. **REMOVE REAR TELEVISION CAMERA ASSEMBLY (w/o Parking Assist Monitor System)**



**T**

**Fig. 25: Identifying Rear Television Camera Assembly Claws (w/o Parking Assist Monitor System)**  
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- a. Disengage the 2 claws and remove the rear television camera.
6. **REMOVE REAR TELEVISION CAMERA ASSEMBLY (w/ Parking Assist Monitor System)**



**T**

**Fig. 26: Identifying Rear Television Camera Assembly Claws (w/ Parking Assist Monitor System)**  
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- a. Disengage the 2 claws and remove the rear television camera.

## **INSTALLATION**

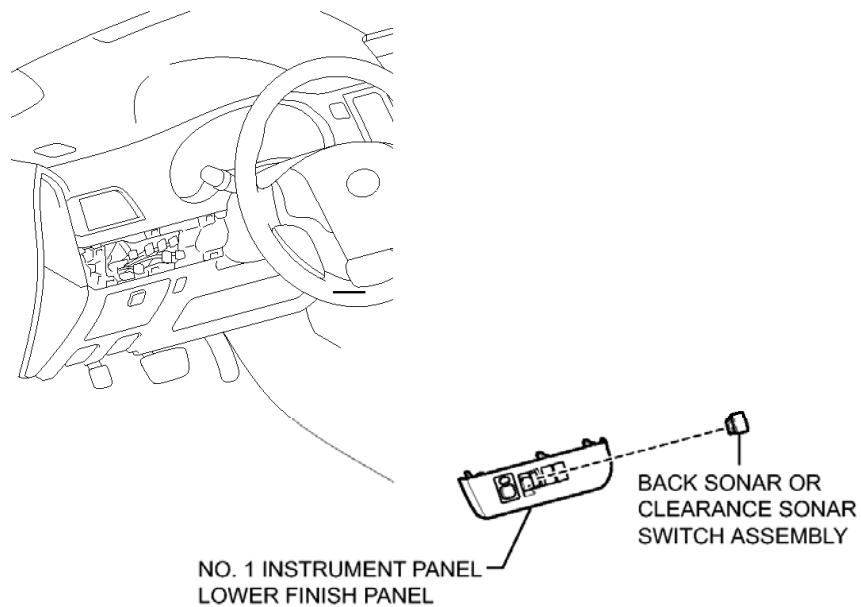
### **INSTALLATION**

1. **INSTALL REAR TELEVISION CAMERA ASSEMBLY (w/o Parking Assist Monitor System)**
  - a. Engage the 2 claws and install the rear television camera.
2. **INSTALL REAR TELEVISION CAMERA ASSEMBLY (w/ Parking Assist Monitor System)**
  - a. Engage the 2 claws and install the rear television camera.
3. **INSTALL BACK DOOR OPENER SWITCH ASSEMBLY** . Refer to **INSTALLATION - Step 1**
4. **INSTALL BACK DOOR OUTSIDE GARNISH SUB-ASSEMBLY** . Refer to **INSTALLATION - Step 4**
5. **INSTALL REAR NO. 3 SPEAKER ASSEMBLY (for 10 Speakers)** . Refer to **INSTALLATION - Step 1**
6. **INSTALL BACK DOOR TRIM BOARD ASSEMBLY** . Refer to **REASSEMBLY - Step 27**

## **CLEARANCE SONAR MAIN SWITCH**

### **COMPONENTS**

### **ILLUSTRATION**



T

**Fig. 27: Clearance Sonar Main Switch Replacement Components**  
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

## REMOVAL

### REMOVAL

1. REMOVE INSTRUMENT PANEL FINISH PANEL . Refer to **REMOVAL - Step 22**
2. REMOVE BACK SONAR OR CLEARANCE SONAR SWITCH ASSEMBLY

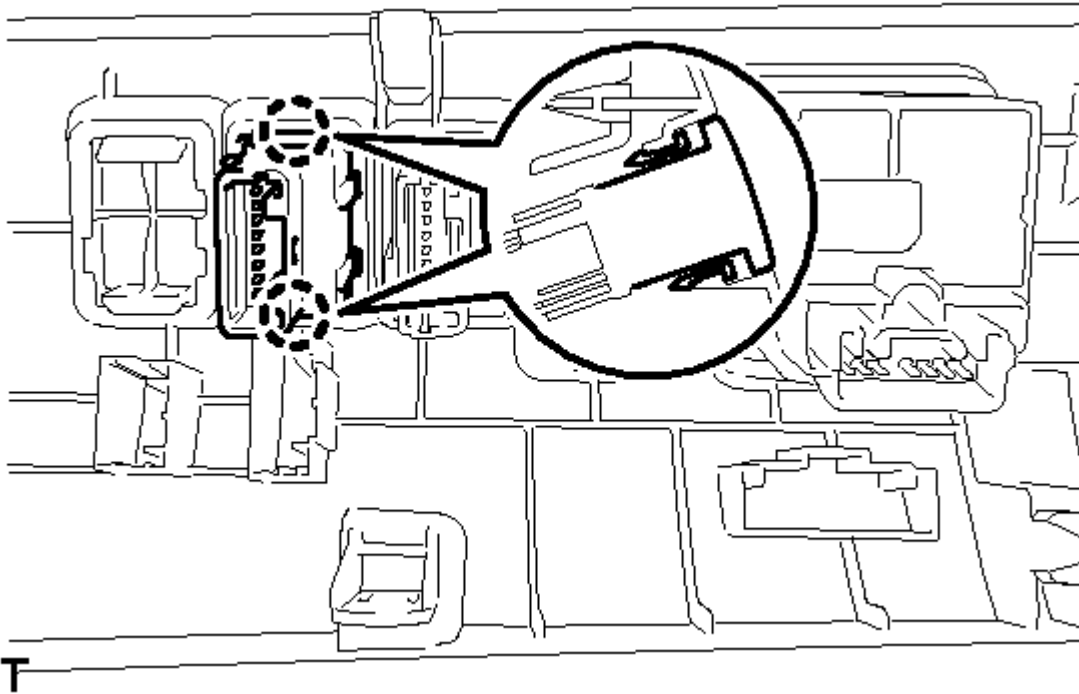


**Fig. 28: Identifying Back Sonar/Clearance Sonar Switch Assembly Claws**  
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

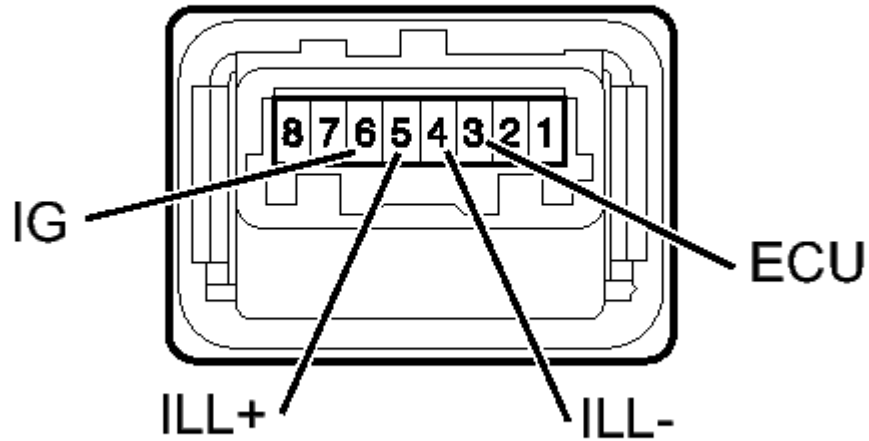
- a. Disconnect the connector.
- b. Disengage the 2 claws and remove the back sonar or clearance sonar switch.

## **INSPECTION**

### **INSPECTION**

1. **INSPECT BACK SONAR OR CLEARANCE SONAR SWITCH ASSEMBLY**
  - a. Check the resistance.
    1. Measure the resistance according to the value(s) in the table below.

\*a



T

**Fig. 29: Checking Back Sonar/Clearance Sonar Switch Assembly Resistance**  
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

Standard Resistance

| Tester Connection | Switch Condition | Specified Condition |
|-------------------|------------------|---------------------|
| 3 (ECU) - 6 (IG)  | Sonar switch off | 10 kohms or higher  |
| 3 (ECU) - 6 (IG)  | Sonar switch on  | Below 1 ohms        |

**TEXT IN ILLUSTRATION**

|    |                                                                                         |
|----|-----------------------------------------------------------------------------------------|
| *a | Component without harness connected:<br>(Back sonar or clearance sonar switch assembly) |
|----|-----------------------------------------------------------------------------------------|

If the result is not as specified, replace the back sonar or clearance sonar switch assembly.

- b. Check the illumination operation.

1. Apply battery voltage to the back sonar or clearance sonar switch and check that the illumination comes on.

**OK**

| Measurement Condition                                                                    | Specified Condition    |
|------------------------------------------------------------------------------------------|------------------------|
| Battery positive (+) --> Terminal 5 (Ill+)<br>Battery negative (-) --> Terminal 4 (Ill-) | Illumination comes on. |

If the result is not as specified, replace the back sonar or clearance sonar switch assembly.

## **INSTALLATION**

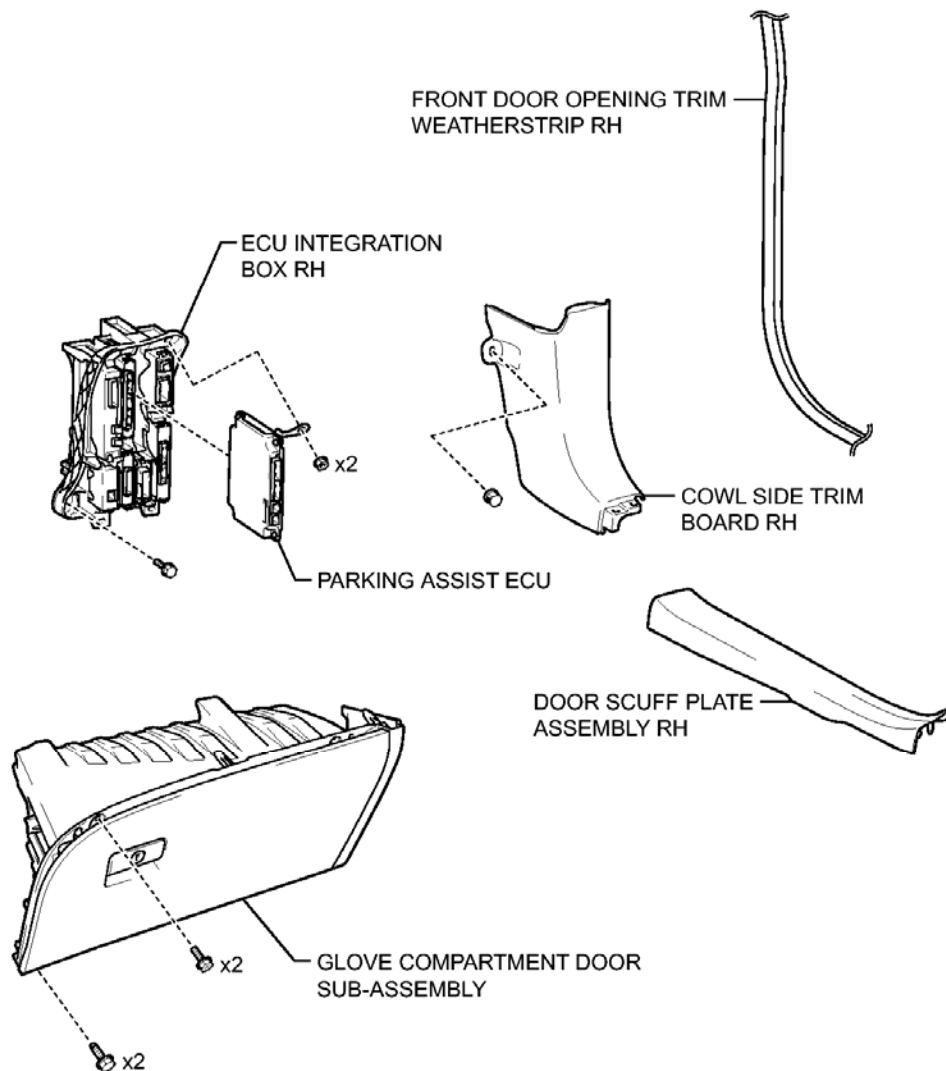
### **INSTALLATION**

1. **INSTALL BACK SONAR OR CLEARANCE SONAR SWITCH ASSEMBLY**
  - a. Engage the 2 claws and install the back sonar or clearance sonar switch.
  - b. Connect the connector.
2. **INSTALL INSTRUMENT PANEL FINISH PANEL** . Refer to **INSTALLATION - Step 36**

## **PARKING ASSIST ECU**

### **COMPONENTS**

### **ILLUSTRATION**



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**Fig. 30: Parking Assist ECU Replacement Components**  
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

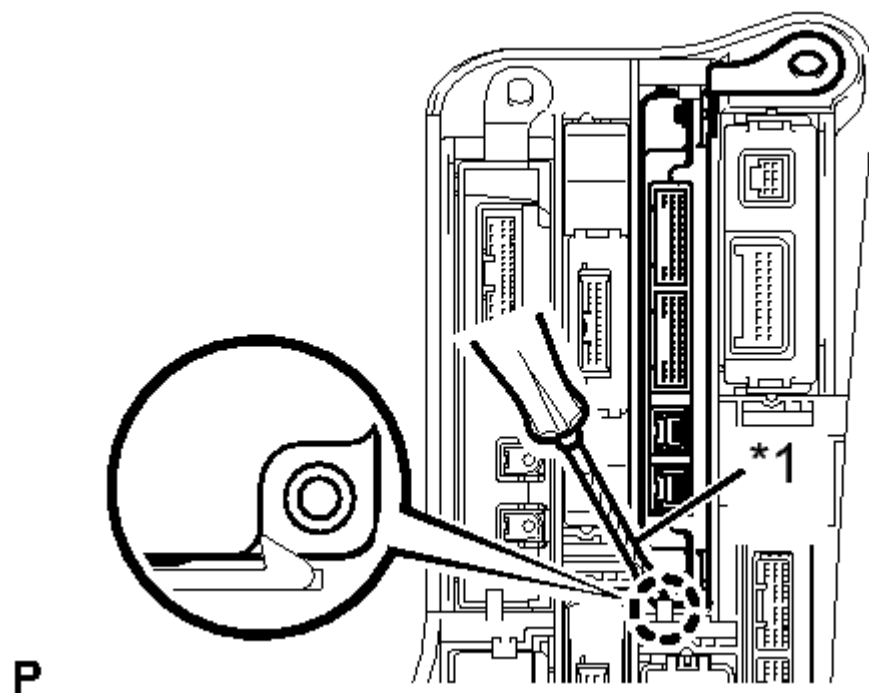
## REMOVAL

## REMOVAL

1. DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL

**NOTE:** When disconnecting the cable, some systems need to be initialized after the cable is reconnected. Refer to INITIALIZATION .

2. **REMOVE DOOR SCUFF PLATE ASSEMBLY RH** . Refer to REMOVAL - Step 3
3. **SEPARATE FRONT DOOR OPENING TRIM WEATHERSTRIP RH**
4. **REMOVE COWL SIDE TRIM BOARD RH** . Refer to REMOVAL - Step 5
5. **REMOVE GLOVE COMPARTMENT DOOR SUB-ASSEMBLY** . Refer to REMOVAL - Step 34
6. **REMOVE ECU INTEGRATION BOX RH** . Refer to REMOVAL - Step 6
7. **REMOVE PARKING ASSIST ECU**



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**Fig. 31: Disengaging Parking Assist ECU Claw With Screwdriver**  
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- a. Using a screwdriver with its tip wrapped in protective tape, disengage the claw and remove the parking assist ECU.

**TEXT IN ILLUSTRATION**

|    |                    |
|----|--------------------|
| *1 | Protective<br>Tape |
|----|--------------------|

**INSTALLATION**

**INSTALLATION**

1. **INSTALL PARKING ASSIST ECU**

- a. Engage the claw and install the parking assist ECU.
2. **INSTALL ECU INTEGRATION BOX RH** . Refer to **INSTALLATION - Step 2**
3. **INSTALL GLOVE COMPARTMENT DOOR SUB-ASSEMBLY** . Refer to **INSTALLATION - Step 24**
4. **INSTALL COWL SIDE TRIM BOARD RH** . Refer to **INSTALLATION - Step 35**
5. **INSTALL FRONT DOOR OPENING TRIM WEATHERSTRIP RH**
6. **INSTALL DOOR SCUFF PLATE ASSEMBLY RH** . Refer to **INSTALLATION - Step 37**
7. **CONNECT CABLE TO NEGATIVE BATTERY TERMINAL**

**Torque: 5.4 N\*m (55 kgf\*cm, 48 in.\*lbf)**

**NOTE:**        When disconnecting the cable, some systems need to be initialized after the cable is reconnected. Refer to **INITIALIZATION** .