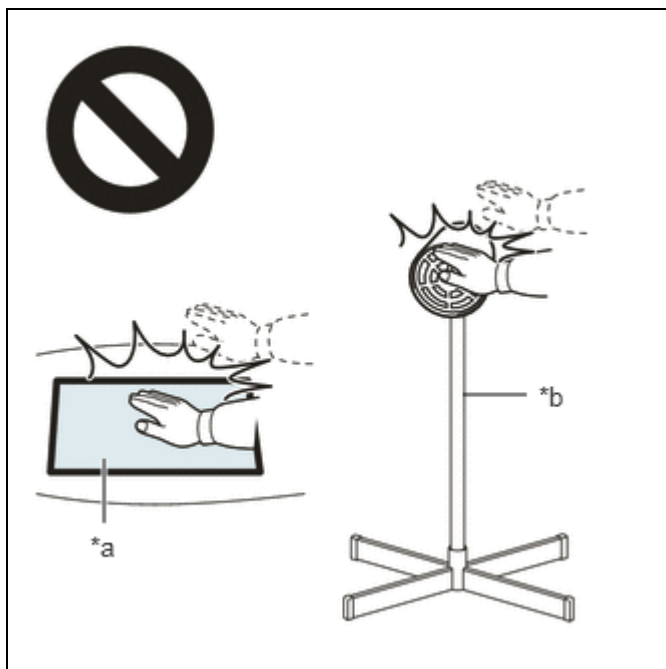


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2021 Toyota Tundra Service Manual

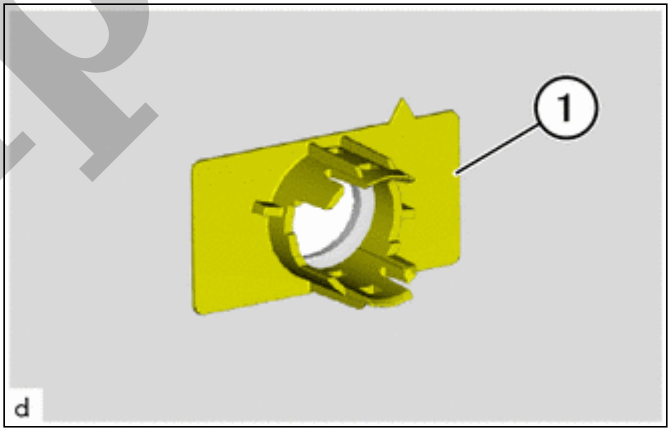
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*a	Heated Part
*b	Heat Light

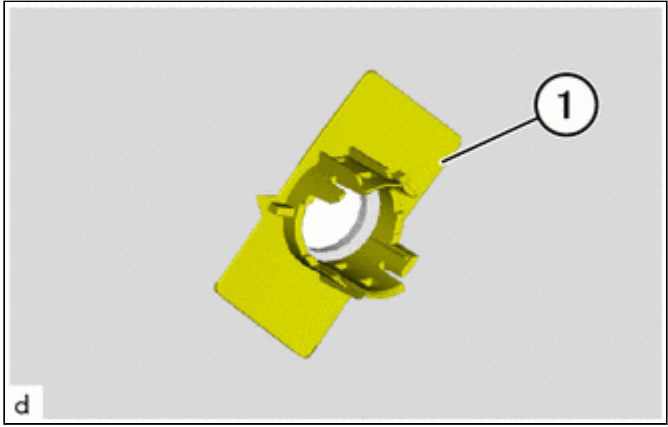
(b) for front side:

(1) Remove the No. 1 ultrasonic sensor retainer (1).



(c) for front corner sid:

(1) Remove the No. 1 ultrasonic sensor retainer (1).





No. 1 Ultrasonic Sensor Retainer
Installation Surface

(5) Using cleaner, clean the areas that were roughened by the sandpaper.

Cleaner:

Cleaner R2

(6) Peel off the release paper from the No. 1 ultrasonic sensor retainer.

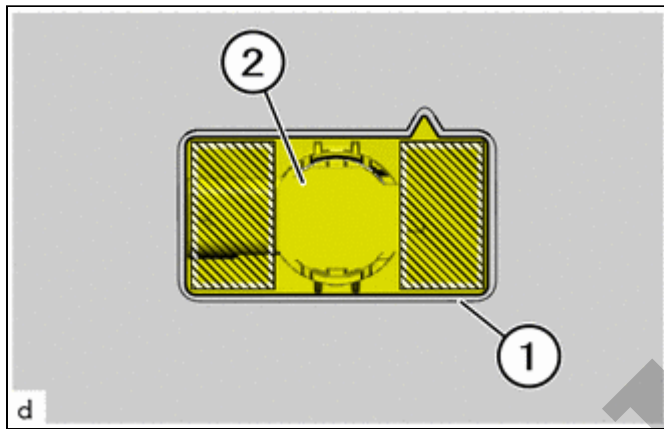
HINT:

After removing the peeling paper, do not touch the surface of the tape with your fingers or cotton work gloves.

(7) Align the No. 1 ultrasonic sensor retainer and front side ultrasonic sensor (2) with the scribed line (1) on the front bumper assembly and install it as shown in the illustration.

NOTICE:

- Make sure that the front bumper assembly and the front side ultrasonic sensor are properly aligned.
- Detaching and reattaching a No. 1 ultrasonic sensor retainer will degrade its adhesive performance, so if reattachment is necessary, make sure to clean the installation surface again and replace the No. 1 ultrasonic sensor retainer with a new one.



Press area

HINT:

Press the area shown in the illustration with a force of to securely install the No. 1 ultrasonic sensor retainer to the front bumper assembly. Confirm there is no clearance between the No. 1 ultrasonic sensor retainer and front bumper assembly.

(b) for front corner side:

HINT:

If a No. 1 ultrasonic sensor retainer has been removed, replace it with a new one. Install the front corner ultrasonic sensor with a new No. 1 ultrasonic sensor retainer as a set to the front bumper assembly.

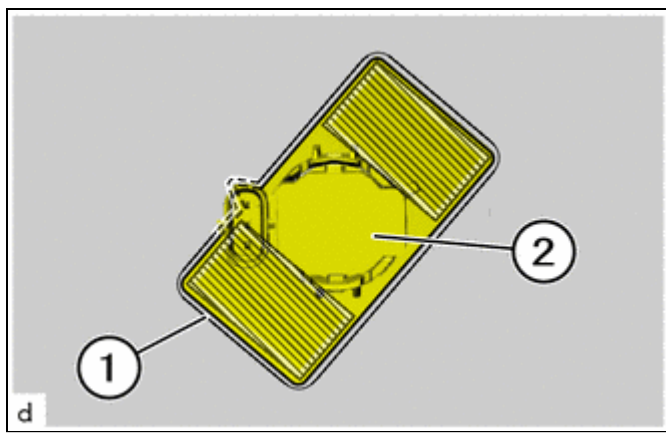
(1) Remove any remaining double-sided tape from the front bumper assembly.

(2) Install the ultrasonic sensor O-ring.

(3) Attach the claws (1) to install the front corner ultrasonic sensor (2) to a new No. 1 ultrasonic sensor retainer (3).

HINT:

To align the positions of the front bumper assembly and ultrasonic sensor, assemble the front corner ultrasonic sensor (2) and No. 1 ultrasonic sensor retainer (3) as a single part.



HINT:

Press the area shown in the illustration with a force of to securely install the No. 1 ultrasonic sensor retainer to the front bumper assembly. Confirm there is no clearance between the No. 1 ultrasonic sensor retainer and front bumper assembly.

(c) for front center side:

HINT:

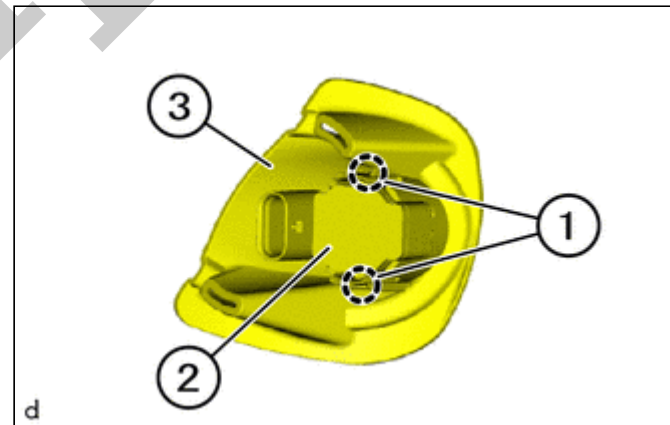
The No. 1 ultrasonic sensor retainer of the front center ultrasonic sensor is welded to the front bumper assembly and cannot be removed.

(1) Install the ultrasonic sensor O-ring.

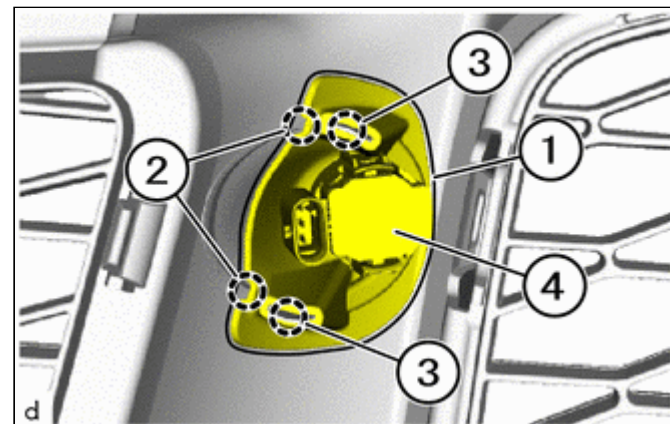
(2) Attach the claws (1) to temporarily install the front center ultrasonic sensor (2) to a new No. 1 ultrasonic sensor retainer (3).

HINT:

To align the positions of the front bumper assembly and ultrasonic sensor, assemble the front center ultrasonic sensor (2) and No. 1 ultrasonic sensor retainer (3) as a single part.



(3) Attach the guides (2) and guides (3).



- Do not touch the soldering iron tip or the melted areas.
- Touching the soldering iron tip or the melted areas can result in burns.

NOTICE:

Do not touch the welded portions until they have cooled down.

- (8) Check that there is no gap, lifting or looseness between the front bumper assembly and the No. 1 ultrasonic sensor retainer (3).
- (9) Remove the adhesive tape.

2. INSTALL FRONT BUMPER SIDE RETAINER LH

Click here [INFO](#) [INFO](#)

3. INSTALL FRONT BUMPER SIDE RETAINER RH

HINT:

Use the same procedure as for the LH side.

4. INSTALL FRONT CORNER ULTRASONIC SENSOR

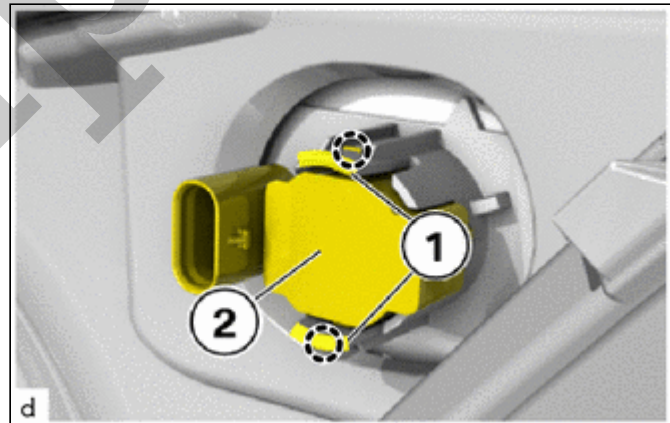
HINT:

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

(a) When removing or replacing the front corner ultrasonic sensor:

- (1) Install the ultrasonic sensor O-ring.

- (2) Attach the claws (1) to install the front corner ultrasonic sensor (2).



(b) Connect connector and lock.

5. INSTALL FRONT CENTER ULTRASONIC SENSOR

HINT:

Use the same procedure as for the front corner ultrasonic sensor.

6. INSTALL FRONT SIDE ULTRASONIC SENSOR

HINT:

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

(a) When removing or replacing the front side ultrasonic sensor:

- (1) Install the ultrasonic sensor O-ring.

- (2) Attach the claws (1) to install the front side ultrasonic sensor (2).