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Model Year Start: 2024	Model: Land Cruiser	Prod Date Range: [02/2024 -]
Title: EXTERIOR PANELS / TRIM: FRONT BUMPER: REMOVAL; 2024 MY Land Cruiser [02/2024 -]		

REMOVAL

CAUTION / NOTICE / HINT

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

Necessary Procedures After Parts Removed/Installed/Replaced

REPLACED PART OR PERFORMED PROCEDURES	NECESSARY PROCEDURES	EFFECT/INOPERATIVE FUNCTION WHEN NECESSARY PROCEDURES ARE NOT PERFORMED	LINK
<ul style="list-style-type: none">• Front television camera assembly (Including removal and installation)• Radiator grille assembly (Including removal and installation)• Front bumper assembly (Including removal and installation)	Front television camera view adjustment	<ul style="list-style-type: none">• Panoramic view monitor system• Multi-terrain monitor system	INFO
<ul style="list-style-type: none">• Front television camera assembly, radiator grille assembly or front bumper assembly• Rear television camera assembly• Side television camera assembly LH or outer rear view mirror assembly LH• Side television camera assembly RH or outer rear view mirror assembly RH	Television camera view adjustment HINT: Replacement or removal and installation of 2 or more parts		
Radiator shutter assembly	Change grille shutter control modes and/or perform initialization	Grille shutter system	INFO

HINT:

- When the front bumper is damaged or deformed due to an accident or contact with other objects, etc., or the bumper installation area on the body is repaired, it is necessary to perform millimeter wave radar sensor adjustment.
 - Target Adjustment (Triangle Target):
[Click here](#) [INFO](#)
 - Target Adjustment (Flat Surface Target):

Click here [INFO](#)

- Driving Adjustment:

Click here [INFO](#)

- If the bumper is damaged, there is a possibility that the installation area of the front side radar sensor may be deformed and the front side radar sensor system may not operate correctly, so visually inspect the front side radar sensor installation area (headlight, frame, bracket, stud bolt) to make sure it is not dented or bent.
- If a problem is found during the visual inspection, check the installation condition of the front side radar sensor, and adjust the installation position of the front side radar sensor as necessary.
 - Target Adjustment (Triangle Target):

Click here [INFO](#)

- Driving Adjustment:

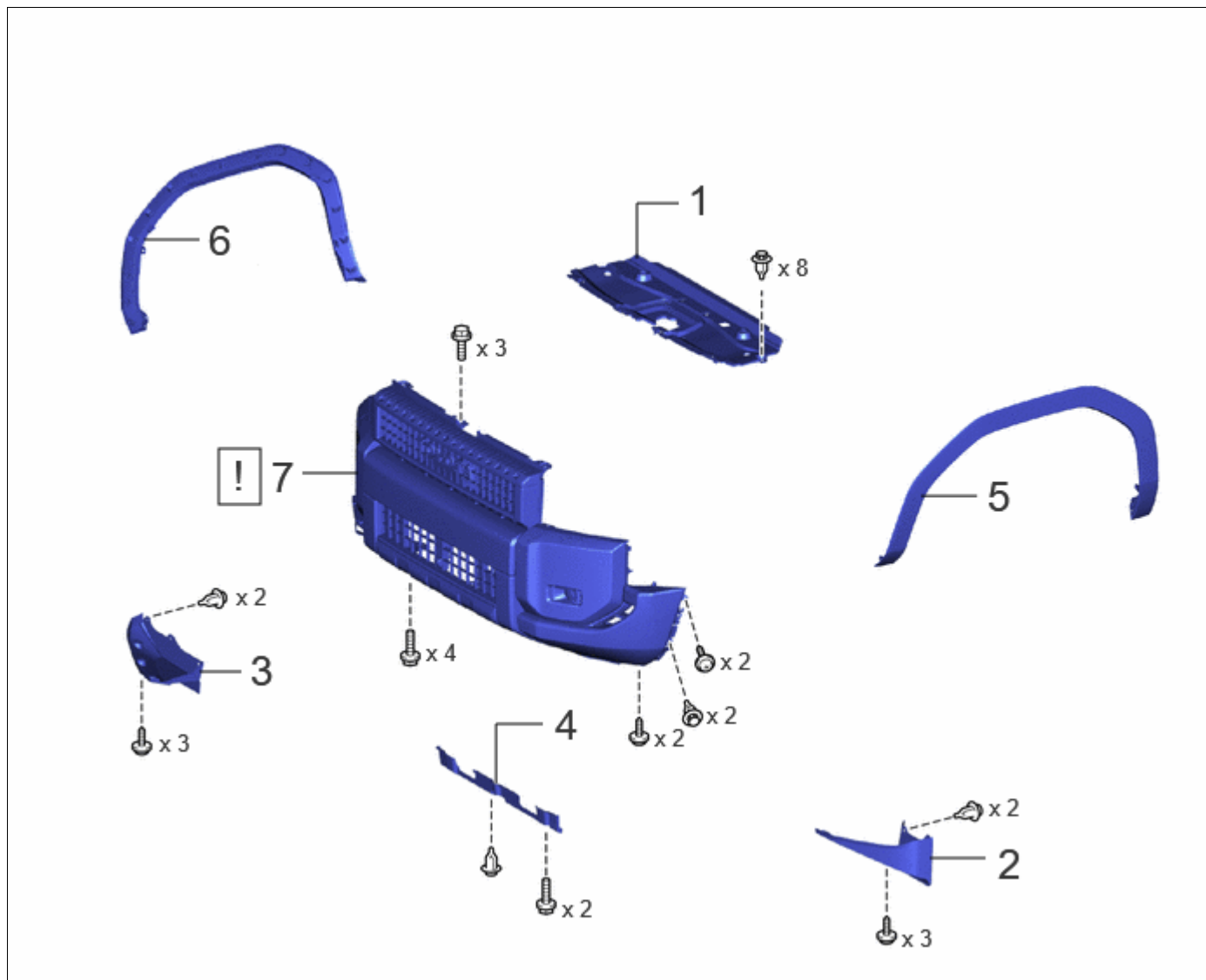
Click here [INFO](#)




- When the front bumper is damaged or deformed due to an accident or contact with other objects, etc., or the bumper installation area on the body is repaired, it is necessary to perform ultrasonic sensor detection angle measurement.

Click here [INFO](#)

CAUTION / NOTICE / HINT

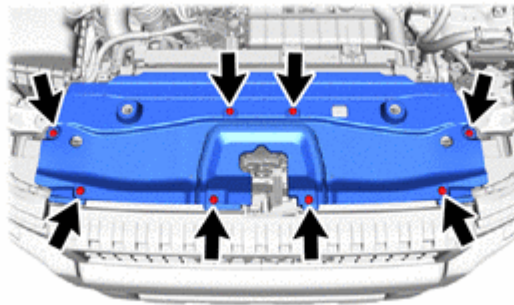
COMPONENTS (REMOVAL)



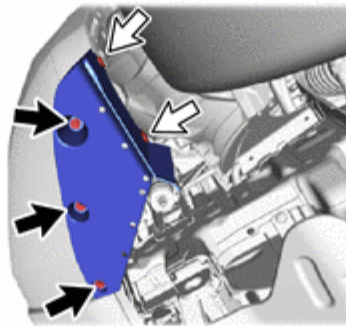
PROCEDURE		PART NAME CODE			
1	UPPER RADIATOR SUPPORT SEAL	53292A	-	-	-
2	FRONT SPOILER NO. 1 BRACKET LH	76863A	-	-	-
3	FRONT SPOILER NO. 1 BRACKET RH	76862A	-	-	-
4	FRONT BUMPER GUARD BASE COVER	52437B	-	-	-
5	FRONT FENDER MOULDING SUB-ASSEMBLY LH	75602A	-	-	-
6	FRONT FENDER MOULDING SUB-ASSEMBLY RH	75601A	-	-	-
7	FRONT BUMPER ASSEMBLY	-	INFO	-	-

PROCEDURE

1. REMOVE UPPER RADIATOR SUPPORT SEAL



0

2. REMOVE FRONT SPOILER NO. 1 BRACKET LH

0



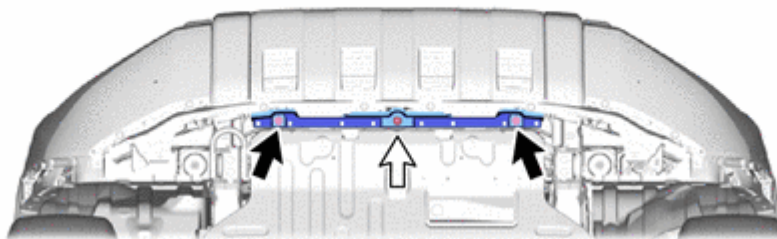
Screw



Clip

3. REMOVE FRONT SPOILER NO. 1 BRACKET RH

(a) Use the same procedure described for the LH side.

4. REMOVE FRONT BUMPER GUARD BASE COVER

0



Bolt



Clip

5. REMOVE FRONT FENDER MOULDING SUB-ASSEMBLY LH

Remove the front fender moulding sub-assembly LH enough that the front bumper assembly can be removed.

Click here [INFO](#)

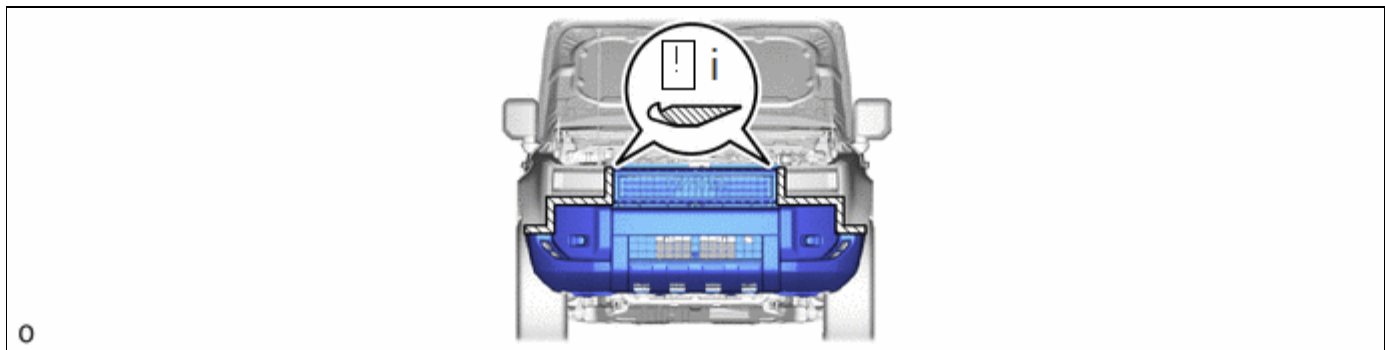
6. REMOVE FRONT FENDER MOULDING SUB-ASSEMBLY RH

(a) Use the same procedure described for the LH side.

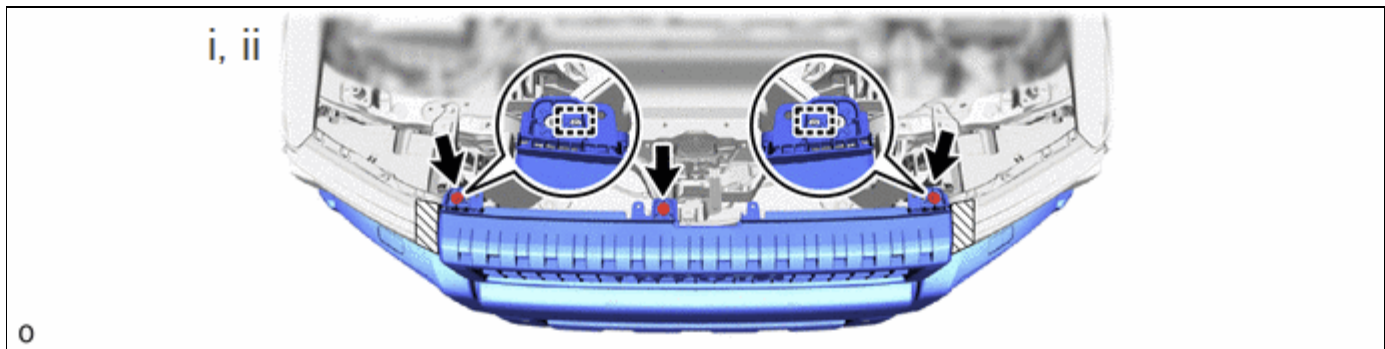
7. REMOVE FRONT BUMPER ASSEMBLY

HINT:

The illustration is an example, so the details may differ.

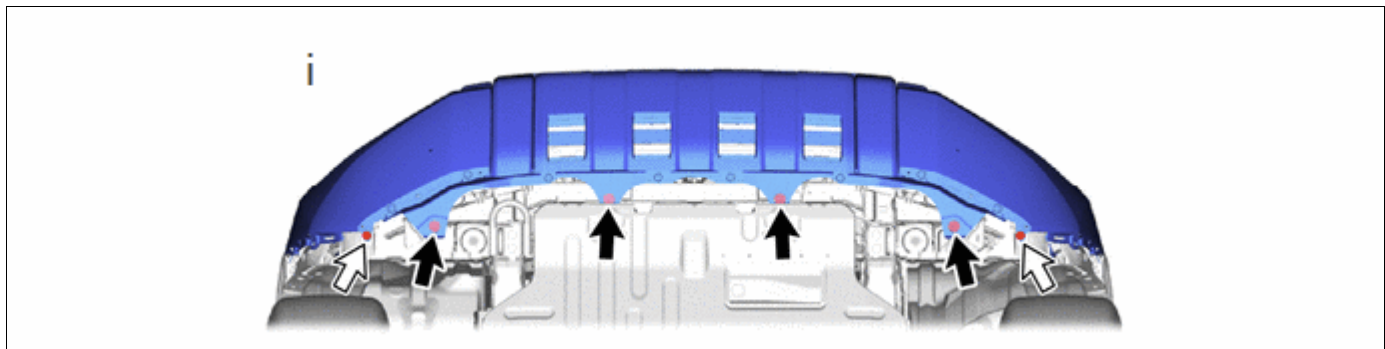




(1) Put protective tape around the front bumper assembly.



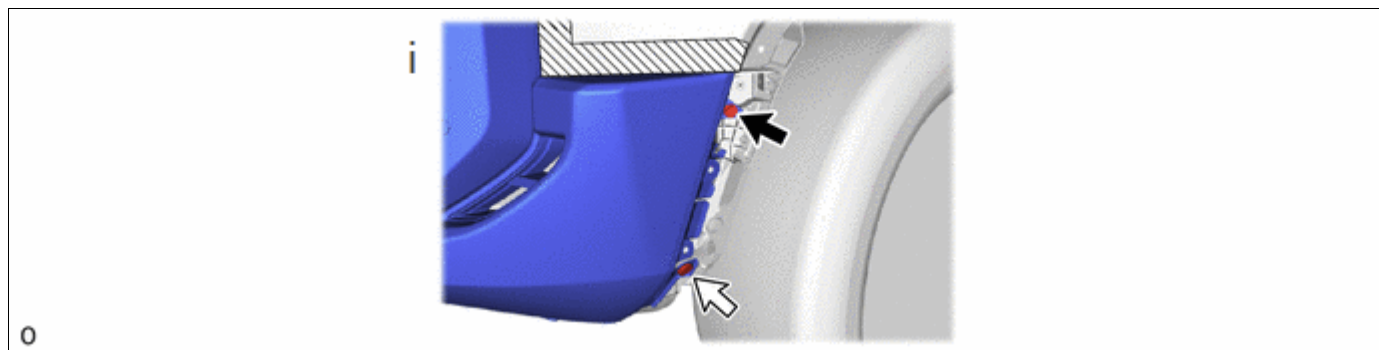
(1) Remove the 3 bolts.



(2) Detach the guide.



	Bolt		Screw
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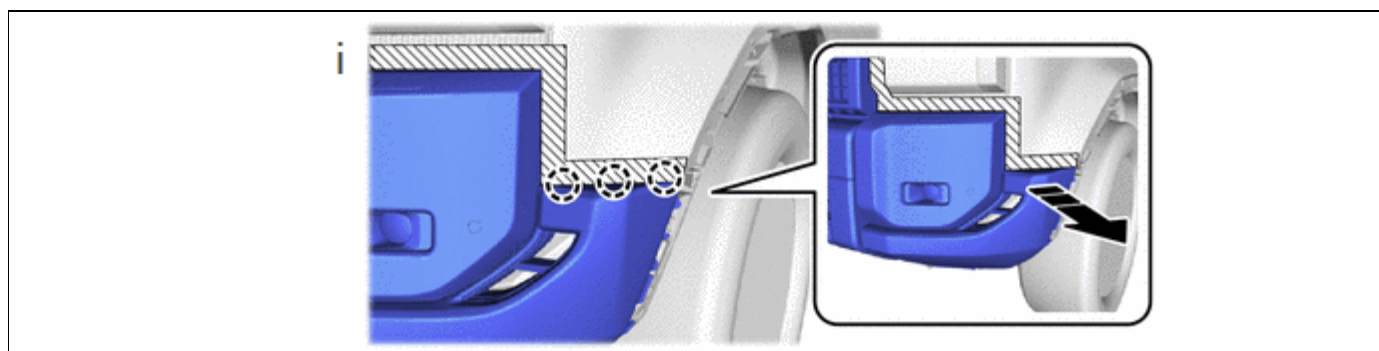
(1) Remove the 4 bolts and 2 screws.




	Screw		Clip
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(1) Remove the screw and clip.

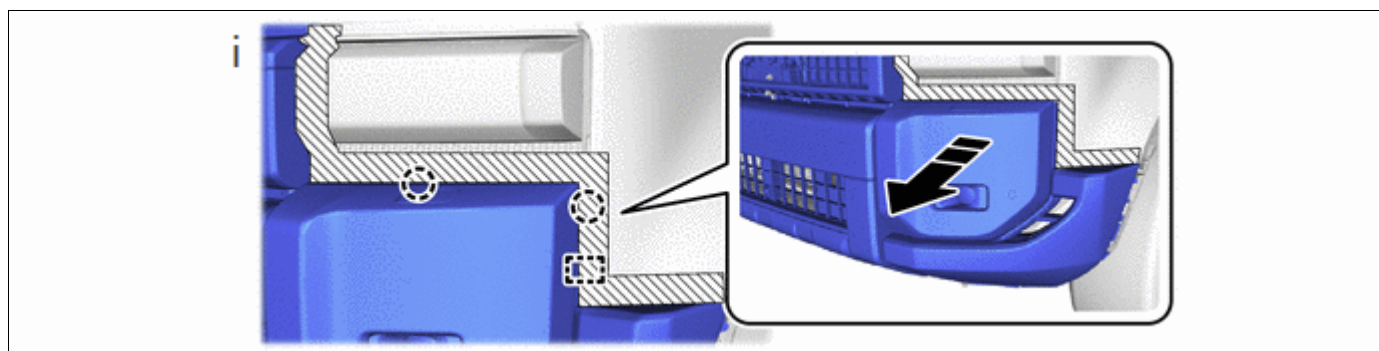
(e) Use the same procedure for the other side.




	Remove in this Direction	-	-
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(1) Detach the claw as shown in the illustration.

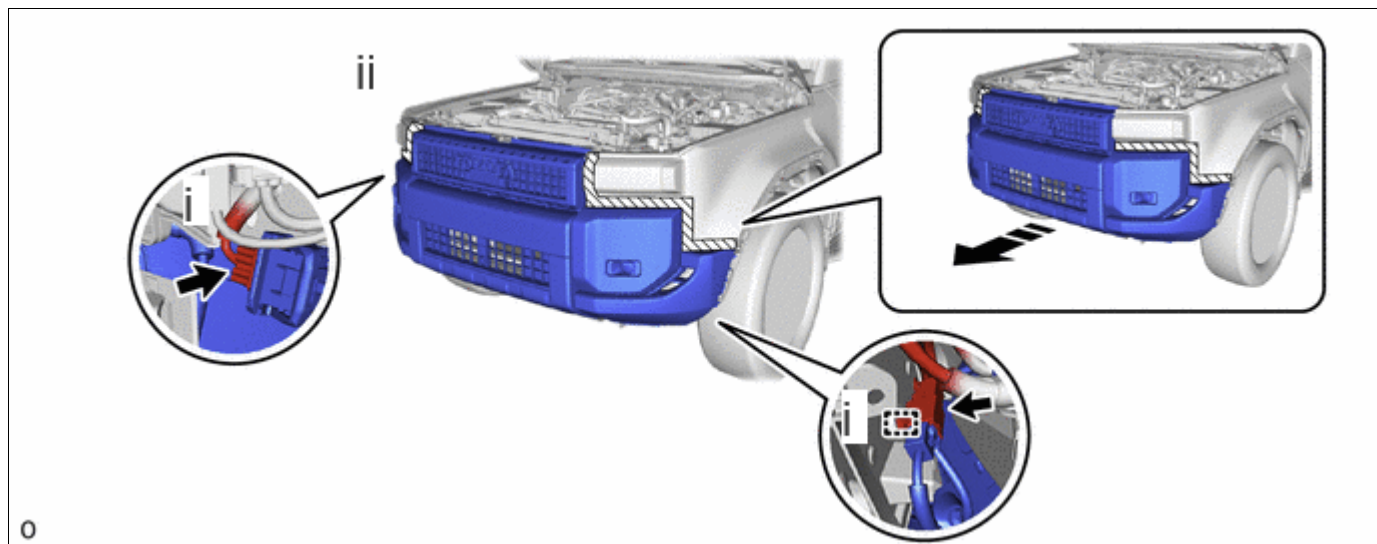
(g) Use the same procedure for the other side.



	Remove in this Direction	-	-
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(1) Detach the claw and guide as shown in the illustration.

(i) Use the same procedure for the other side.



	Remove in this Direction	-	-
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(1) Detach the clamp and disconnect the 2 connectors.

(2) Remove the front bumper assembly as shown in the illustration.

