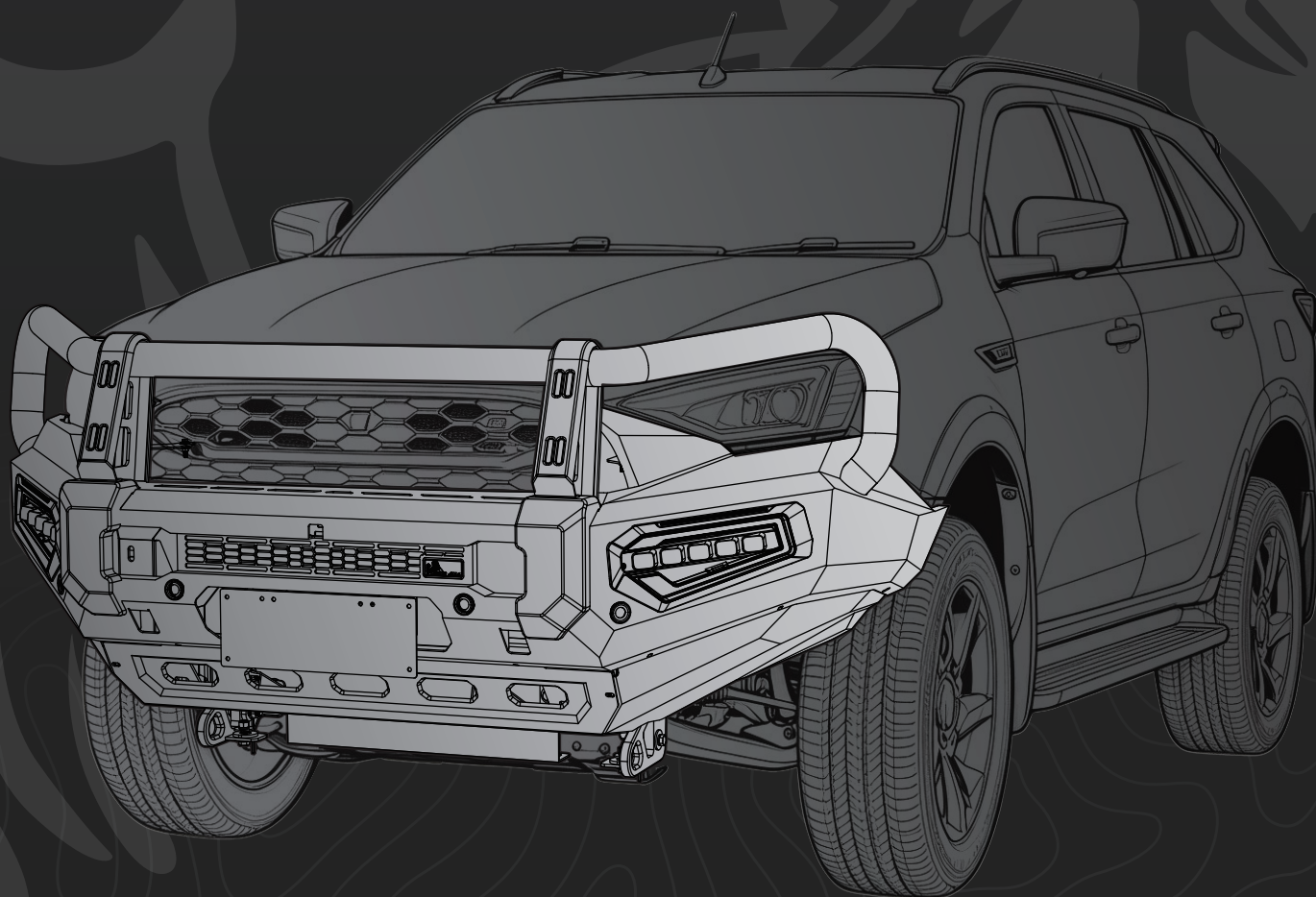




FRONT BULLBAR FOR ISUZU MU-X MY25

INSTRUCTION GUIDE ▶▶





- Prepare a clean work area.
- We recommend a minimum of 2 people for assembly and 4 people for installation.
- Ensure the required tools are present and all hardware contents are accounted for.
- Never use acetone or thinners on painted parts.
- Read through the entire instruction guide before starting this procedure and follow.
- The steps carefully to avoid any damage to the components or the vehicle.

DIRECTORY

01	INSTALLATION & SAFETY PRECAUTIONS	01
02	INSTALLATION TOOLS	02
03	ACCESSORIES	03
04	DISASSEMBLY STEPS	06
05	INSTALLATION STEPS	20
06	INSPECTION AND MAINTENANCE	28
07	INSTALLATION OF REAR ASSEMBLY	29

■ BEFORE INSTALLATION

- This product is a heavy-duty off-road modification component and must be installed by a professional with relevant vehicle modification experience.
- Before installation, be sure to read this manual carefully to ensure that all components, fasteners, and tools are complete and undamaged. Missing or damaged parts must be replaced immediately.
- Installation must be performed on a flat, stable surface, and the vehicle must be reliably supported to prevent displacement during installation.
- It is recommended to wear protective gloves to avoid cuts from metal parts and screws; disposable gloves should be worn when handling sealant to prevent skin irritation from chemicals.

■ DURING INSTALLATION

- Strictly follow the installation steps specified in the manual. Do not modify the process or skip key steps without authorization.
- Original Parts Removal: Carefully remove the original bullbar and sensors, retaining the original clip screws. Do not use excessive force to remove them, as this may break the clips.
- Beam Connection: The bullbar must be fixed to the pre-drilled holes in the original vehicle's longitudinal beams. Do not attempt to connect only to the body panels or adjust the original energy-absorbing box base structure. This must be done by two people to avoid damage to components or injury.
- Original Radar and Camera: The original radar and camera must be moved to the new bullbar in their original positions without changing their angle to avoid false alarms or image distortion.
- Lighting Wiring Harness: Wiring harnesses for the added lights must be run through corrugated conduit away from the exhaust pipe. After installation, check that the gap between the bullbar and the exhaust pipe, electric pedal, and license plate frame is no less than 10mm.
- Before installing any electrical components, disconnect the vehicle's power supply to avoid short circuits that could damage the electrical system or create safety hazards.

■ FASTENING & TORQUE SAFETY

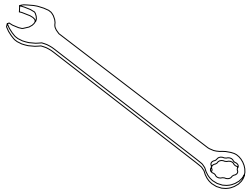
- All fasteners must be tightened using a calibrated torque wrench to the torque value specified in the manual, ensuring tightening accuracy.
- The final tightening process must not be performed using impact drills or power tools to prevent over-tightening and damage to components.
- Over-tightening may cause deformation of aluminum alloy components and damage to threads, thereby affecting structural stability and sealing performance; under-tightening may easily lead to loosening of components, posing a safety risk.

■ SEALING & WATERPROOFING

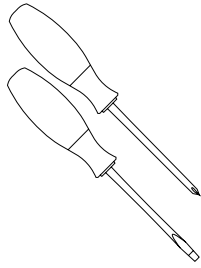
- Verify that all fasteners are tightened to the specified torque, with no loosening or stripping. Pay special attention to critical connections for M6 and M8 fasteners.
- Inspect all seals to ensure they are intact, continuous, without warping, and with tight gaps.
- Functional retest: Reconnect power, clear fault codes, and test the reversing radar, 360-degree camera, and blind spot monitoring for proper function and no persistent false alarms.
Perform a low-speed test drive with the steering wheel fully turned to the left and right, over speed bumps or uneven surfaces, confirming no metallic friction or collision noises.
- Regulatory compliance: Ensure that the original headlights, turn signals, license plate, and license plate light are not obstructed. Otherwise, the license plate must be relocated and the lighting must be compliant to avoid penalty points.
- Post-driving retightening: Retighten all connecting bolts after driving 50-100 kilometers. Afterward, check the torque markings every 5000 kilometers or after each off-road trip.

■ DISCLAIMER

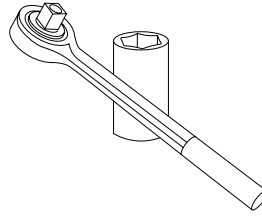
- The manufacturer accepts no liability for damage, injury, or loss resulting from installation, use, or maintenance not carried out in accordance with this manual.



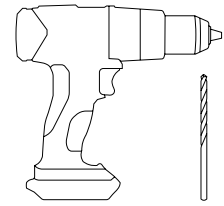
Metric wrench set



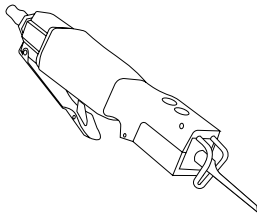
Screwdriver set



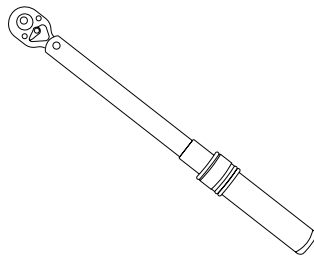
Metric sleeve assembly



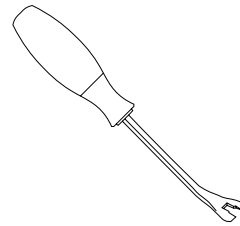
Drill and Drill Bits



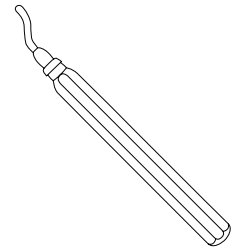
Air Hacksaw



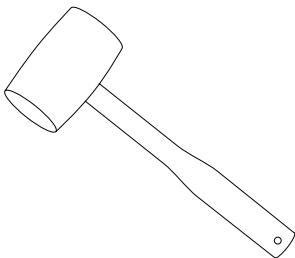
Torque Wrench



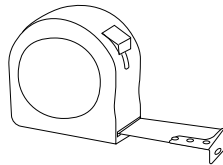
Clip Remover



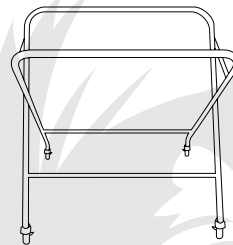
Deburring Tool



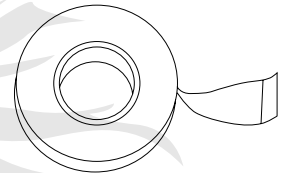
Rubber Mallet



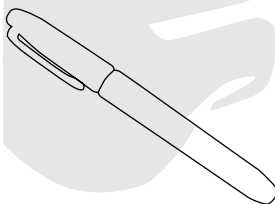
Tape Measure



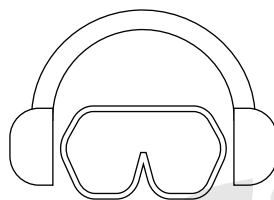
Bullbarr Support Stand



Masking Tape

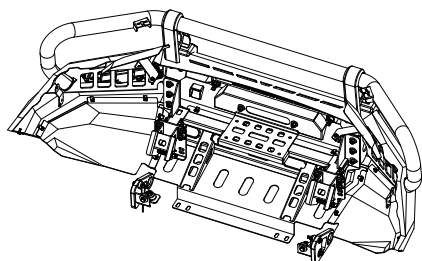


Marker and Paint Pens

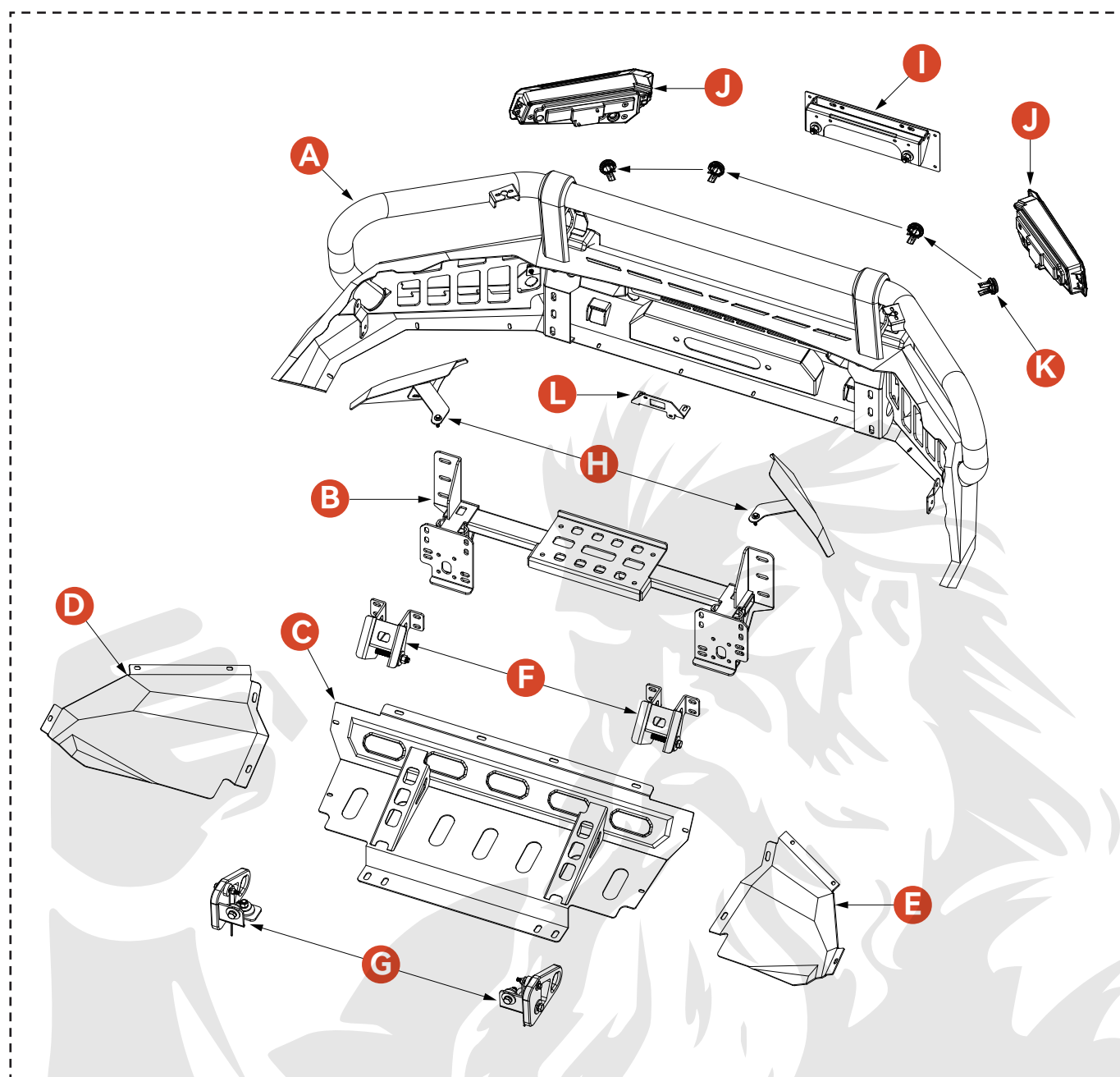


Personal Protective Equipment

■ PARTS 1



NO.	Part name	NO.	Part name
A.	Front Bar Main Welded Assembly	G.	Tow Hook
B.	Winch Bracket	H.	Grille Replacement Insert
C.	Guard Plate - Middle	I.	License Plate Base
D.	Guard Plate - Right Side	J.	Light Module
E.	Guard Plate - Left Side	K.	Radar Bracket
F.	Beam End Mounting Bracket	L.	Camera Bracket



■ PARTS 2

- Front Bar Main Body + Winch Bracket + Beam End Fasteners + Tow Hook Installation

1

Flat Washer
8mm



2

Light Spring Washer
8mm



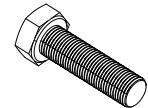
3

Hex Nut
M8-N



4

Hex Head Bolt
M8X60-S



5

Large Washer
10mm



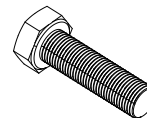
6

Heavy Spring Washer
10mm



7

Hex Head Bolt
M10X35-S



8

Hex Nut
M10-N



9

Large Washer
12mm



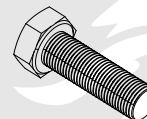
10

Light Spring Washer
12mm



11

Hex Head Bolt
M12X40-S



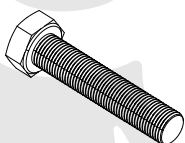
12

Hex Nut
M12-N



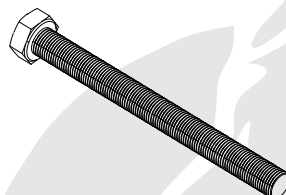
13

Hex Head Bolt
M12X60-S



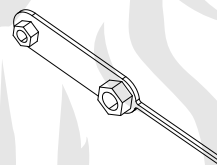
14

Hex Head Bolt
M12X100-S



15

Nut Plate



■ PARTS 2

● Skid Plate & Grille Replacement Insert Installation

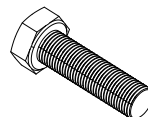
16

Large Washer
6mm

17

Light Spring Washer
6mm

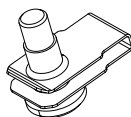
18

Hex Head Bolt
M6X30-S

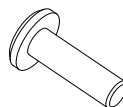
19

Hex Nut
M6-N

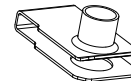
20

Skid Plate Screw & Nut Fastener
M6

21

Socket Button Head Cap Screw
M6X20

22

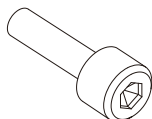
M6 Standard Speed Clip Nut
M6

● Light Installation

23

Hex Flange Nut
M5-N

24

Socket Head Cap Screw
M5X25-S

STEP 1

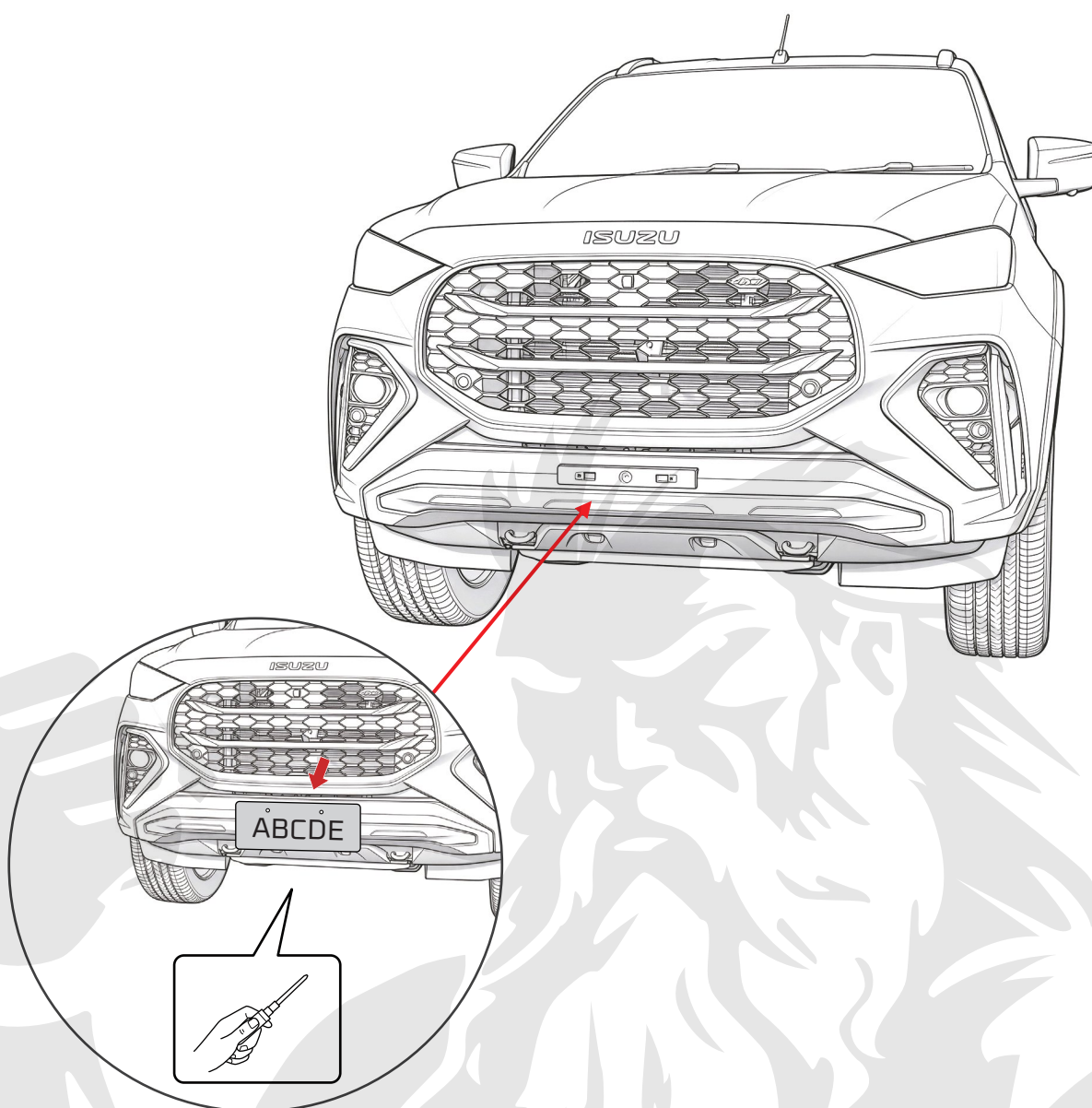
⚠ WARNING:

Do not attempt to turn on and move the vehicle while the radars, sensors and camera are disconnected. Do not drop or impact any of these parts. Failure to do so may cause sensor malfunction that can only be rectified by ISUZU.

HIGH VOLTAGE WARNING:

This vehicle has a high voltage (HV) system. When working in the engine bay for installing accessories, do not touch any of the orange coloured HV components or cabling. Electric shock may cause serious or even life threatening injuries.

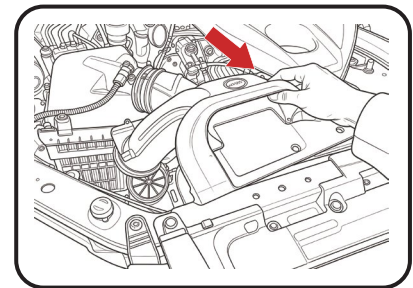
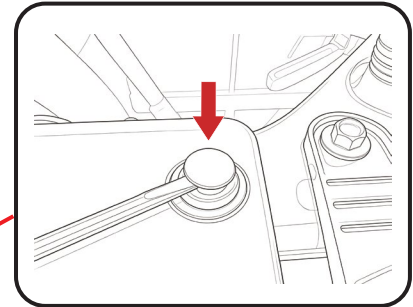
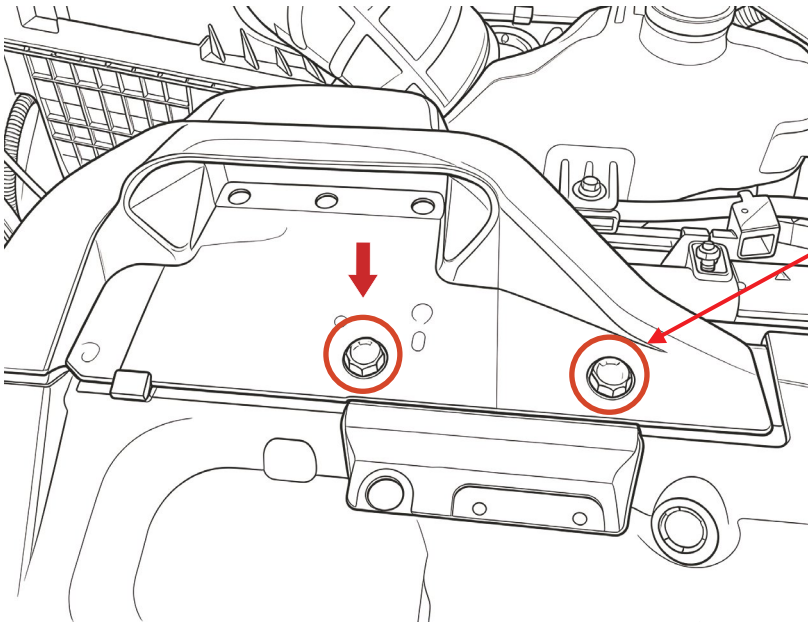
- 1. Remove number plate from bumper and set aside.
- 2. Open the bonnet by pulling twice on the lever under the steering wheel on the driver's side.



04 **DISASSEMBLY STEPS**

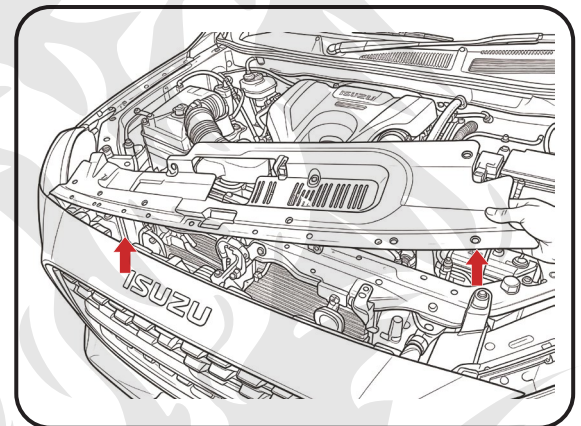
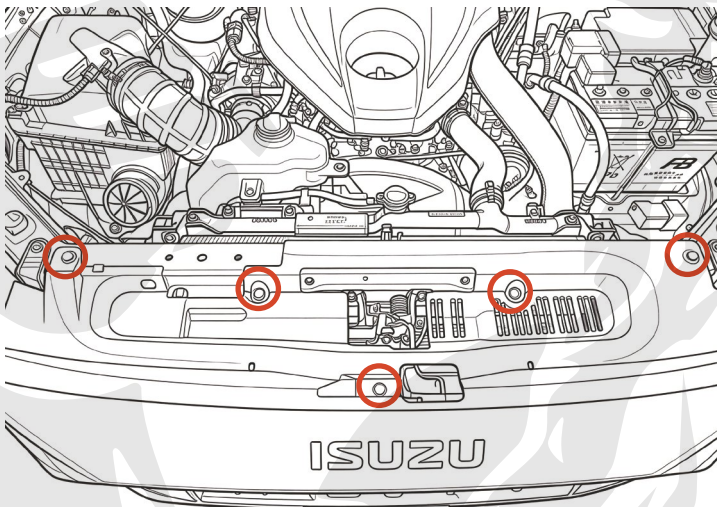
STEP 2

- 1. Open the bonnet.
2. Remove 2x plastic push clips holding the factory air intake scoop. To remove each push clip, lever the centre section upwards using a flat blade screwdriver or trim tool, as shown. Retain these clips.
3. Remove the factory air intake scoop and set aside. Take care not to drop anything into the intake.



STEP 3

- 1. Remove 5x plastic push clips holding the radiator top cover. Retain these clips.
2. Pull upwards and release the 8x tabs/clips holding the front edge of the radiator top cover to the bumper/grille assembly. Set aside.

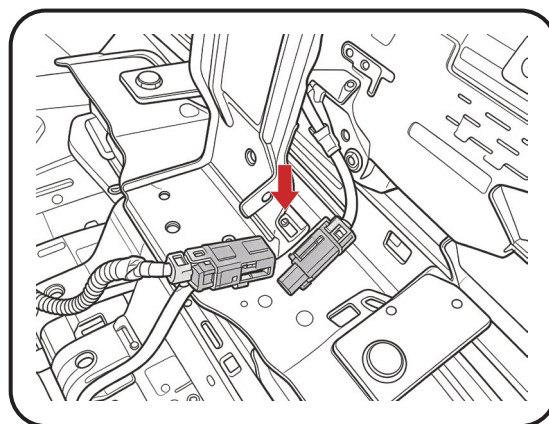
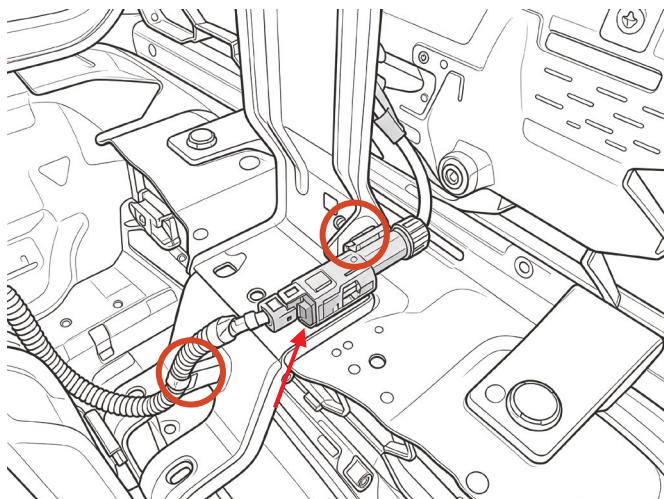


04 ◀ DISASSEMBLY STEPS

STEP 4

- 1. Some models come with a front 360 degree camera.
- 2. Also use a flat blade screwdriver or trim tool and unclip the 2x plastic clips holding the harness to the body.

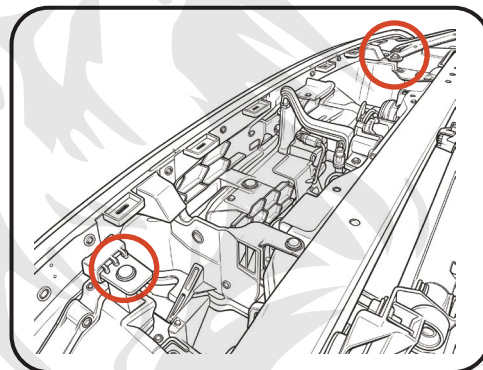
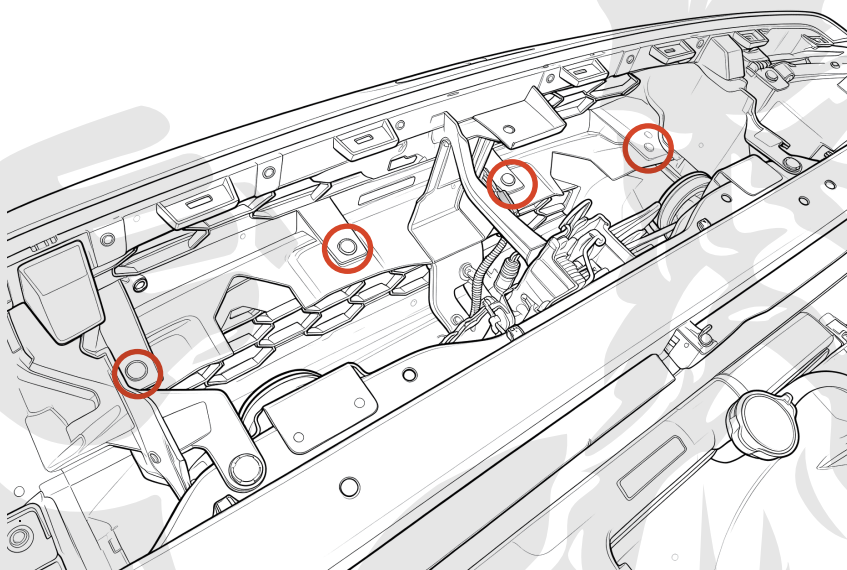
Note: Locate the plug behind the grille. Pull out the red tab (see arrow above), then unplug the camera harness.



STEP 5

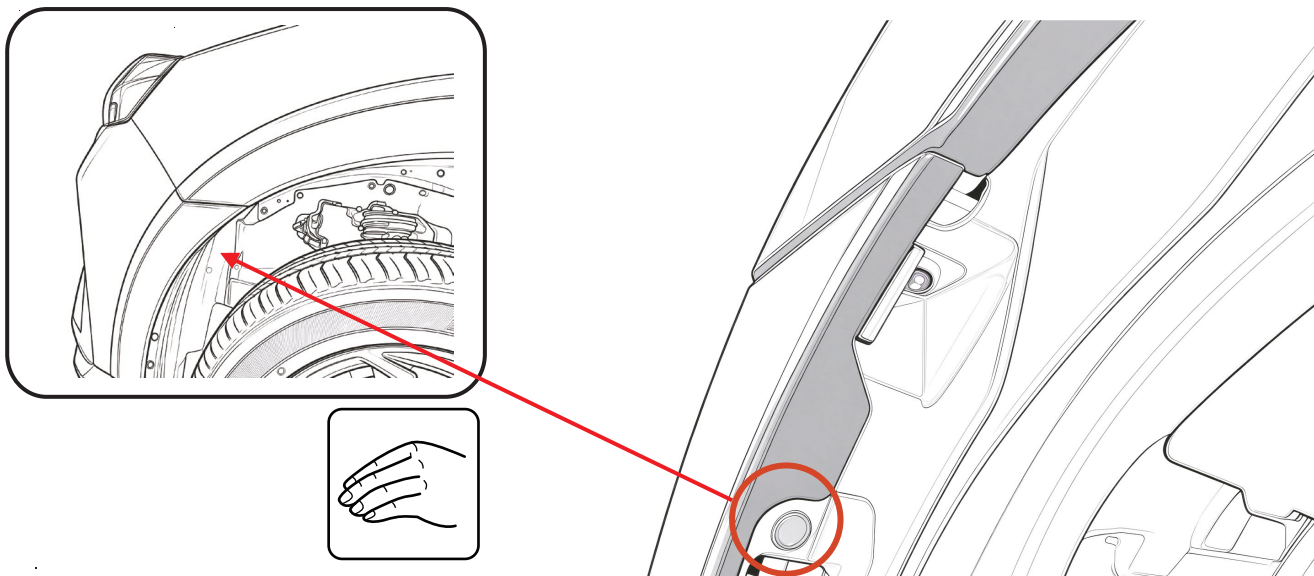
- Remove 6x plastic push clips holding the grille. There are 2x clips on the top edge, and 4x clips on the cross member on the inside of the grille.

Note: Retain these clips.



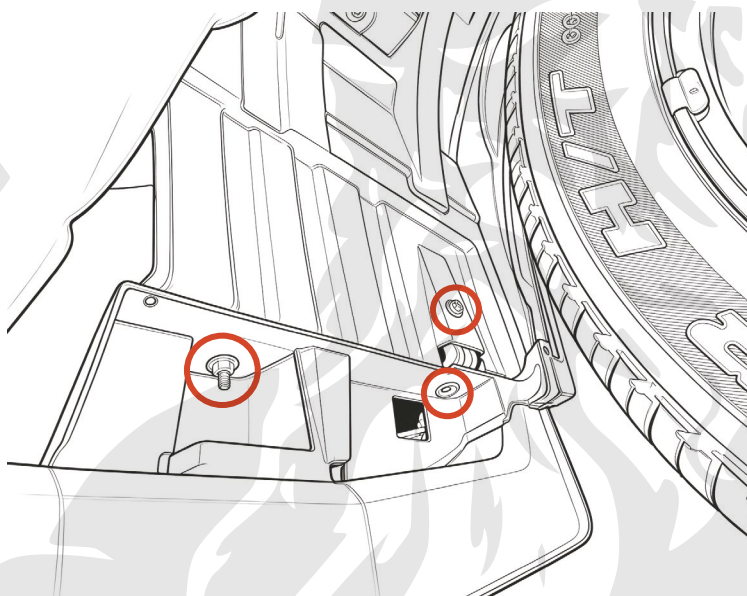
STEP 6

- In the front wheel well area, remove 1x plastic push clip holding the bumper to the quarter panel. Do this on both sides and retain the clips



STEP 7

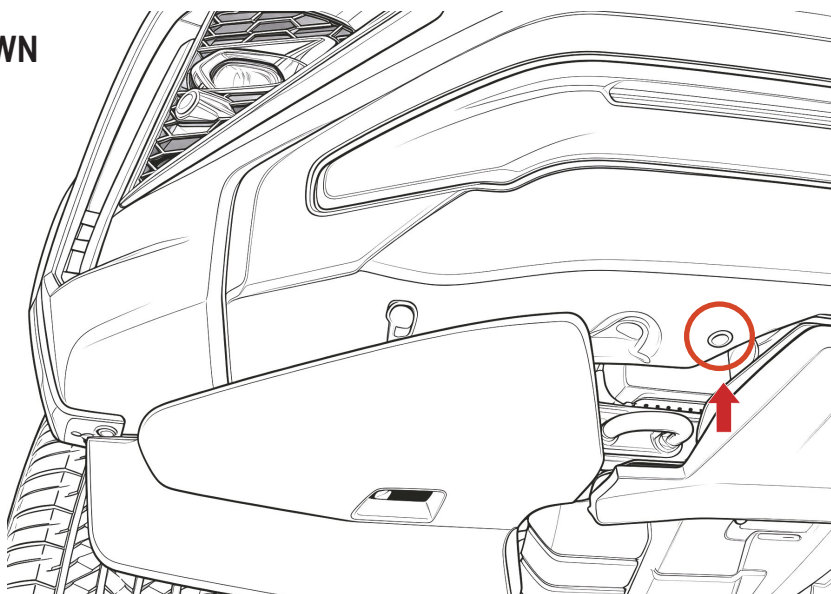
- Looking from within the front wheel well towards the back the bumper, remove the following:
- a. 1x 10mm hex screw holding wheel arch liner to outer bumper bracket (top right circle)
 - b. 1x 10mm hex nut holding bottom of bumper to wheel arch liner (bottom left circle)
 - c. 1x plastic push clip holding bottom of bumper to outer bumper bracket (bottom right circle)



STEP 8

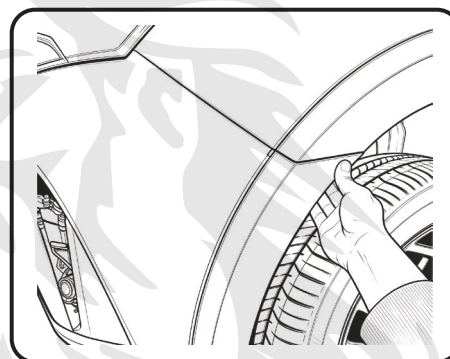
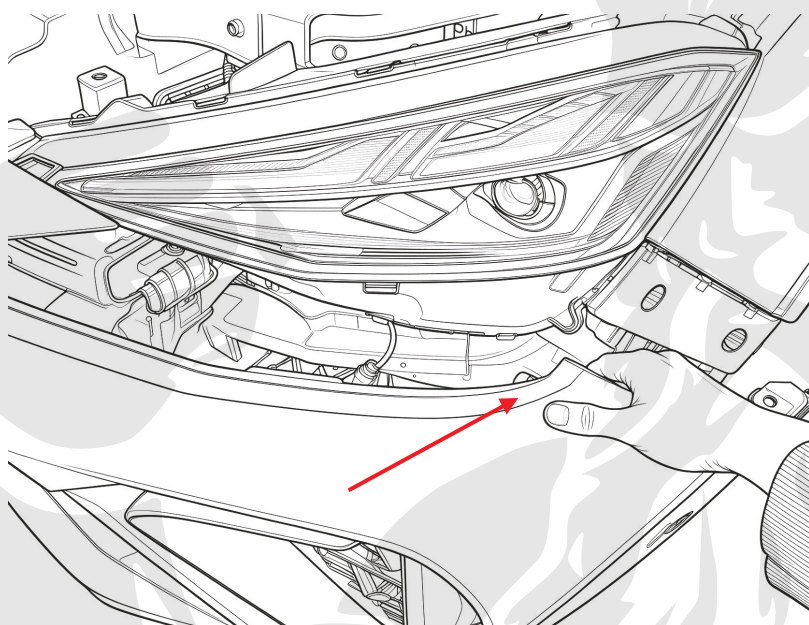
- On the underside of the bumper at the front, remove 2x plastic push clips (1x per side) holding the bumper to the inner bumper bracket. Clips are located near the front tie down hooks on each side.

RH DRIVER SIDE SHOWN



STEP 9

- Unclip the LH corner of the bumper by pulling away and outwards from the outer corner, starting from the outside and working in.



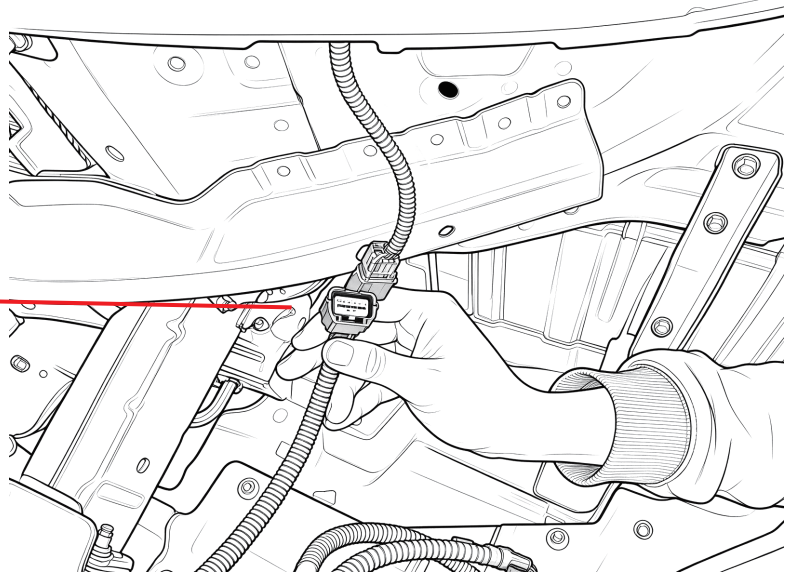
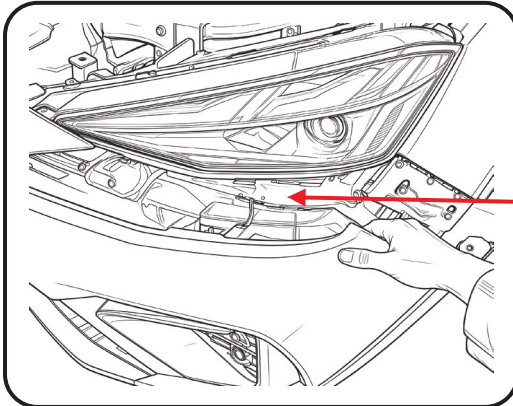
LH PASSENGER SIDE SHOWN



STEP 10

- When bumper is loose, reach in and disconnect the 1x bumper harness connector located under the left hand headlight.

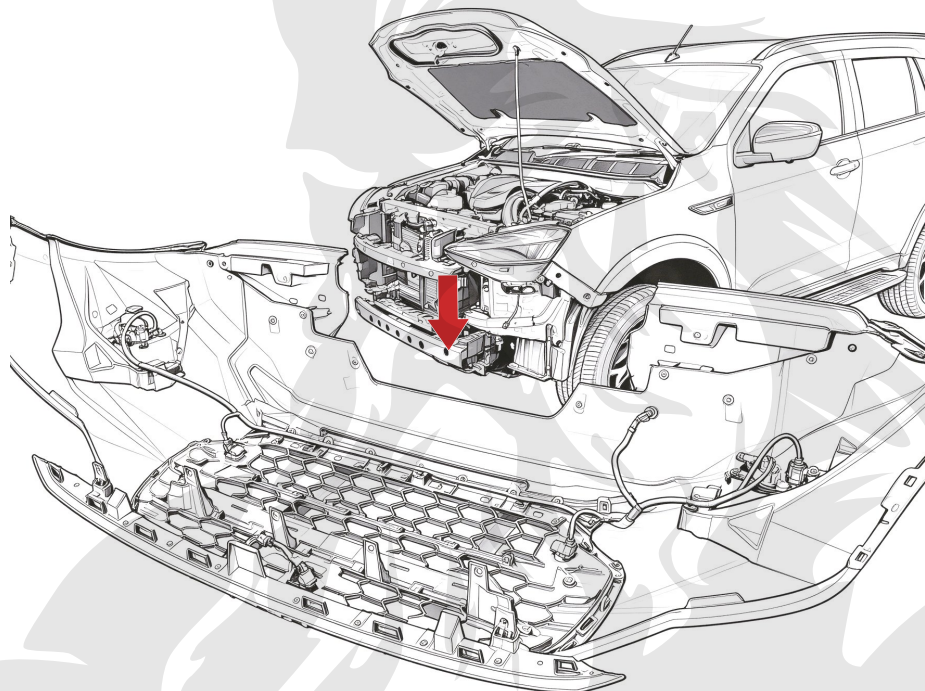
LH PASSENGER SIDE SHOWN



STEP 11



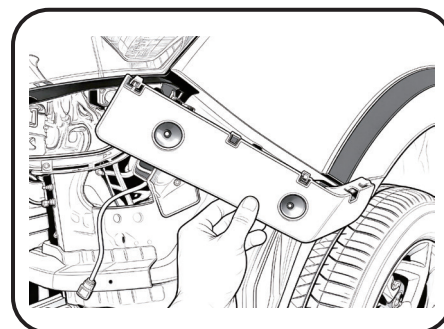
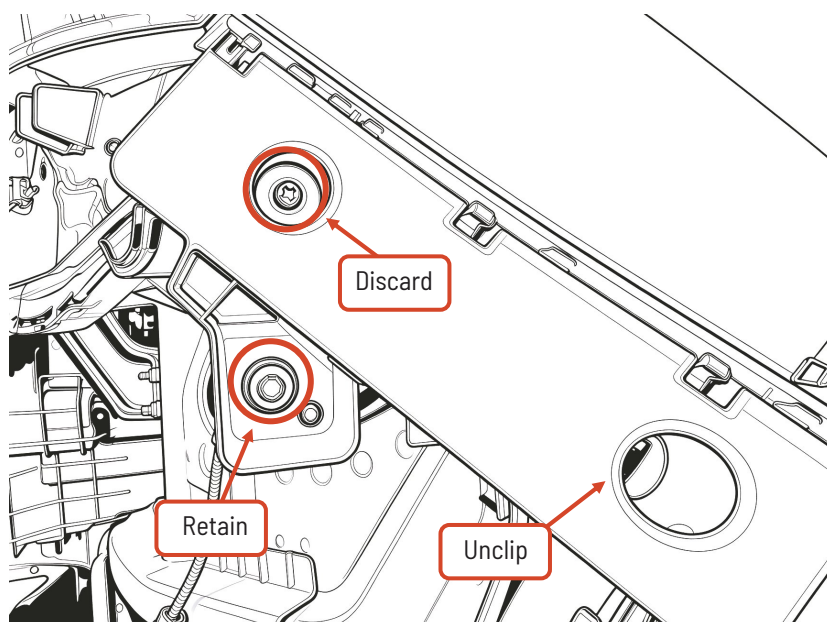
- Unclip the RH corner, then fully remove the bumper from car and set aside.



04 **DISASSEMBLY STEPS**

STEP 12

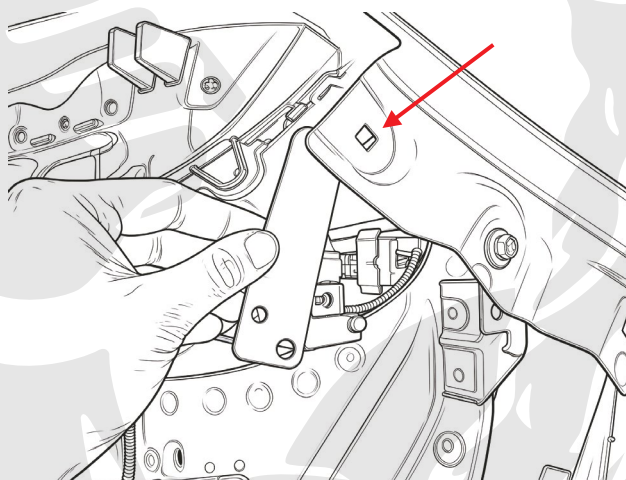
- 1. Remove the 1x 10mm hex bolt and 1x Phillips head screw securing the outer plastic bumper clip. Retain the hex bolt.
2. Remove the outer plastic bumper clip. A firm tug will be required to release the clips. Discard afterwards.
3. Do this for both sides.



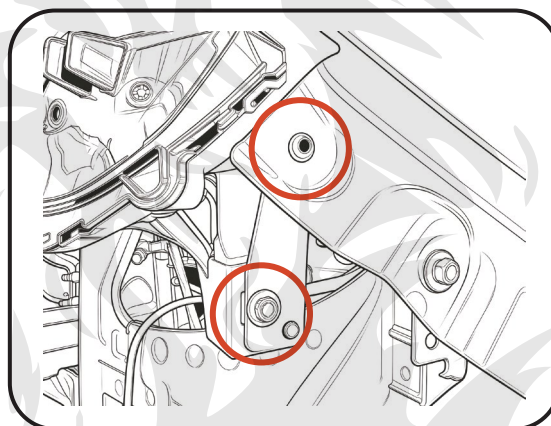
LH PASSENGER SIDE SHOWN

STEP 13

- 1. Fit the B-1585 headlight brackets in between the headlight and quarter panel. The lower most hole in the bracket sits on the round keying stud on the leadlight. The top of the bracket sits behind the quarter panel.
2. Secure the quarter panel to the embedded nut in the top of each bracket with 1x M6x16 black button head bolt and black washer.
3. Secure the bottom of each bracket to the headlight using the 10mm hex bolts retained from Step 12.

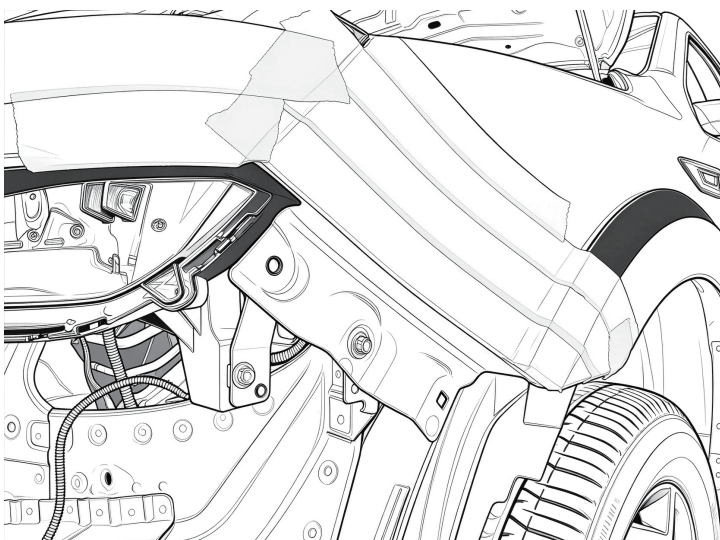


LH PASSENGER SIDE SHOWN

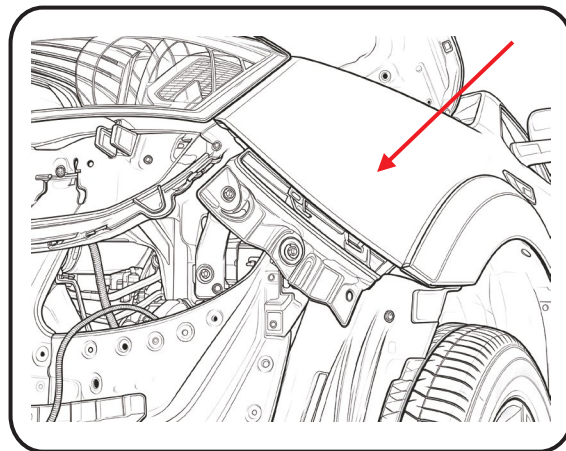


STEP 14

- 1. For light coloured vehicles, it is recommended to paint the exposed bottom section of the fender guard black.
- 2. Wipe clean and mask off the area with masking tape, then paint black.
- 3. Remove masking tape and allow paint to dry while mounts are being fitted.



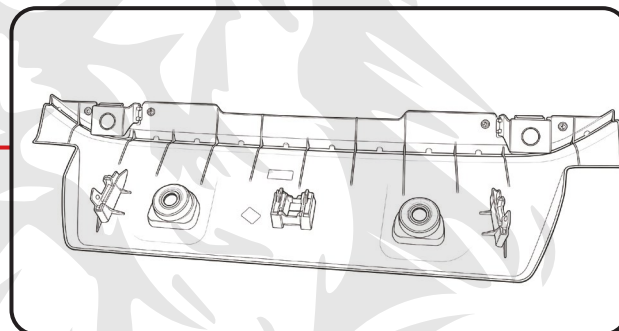
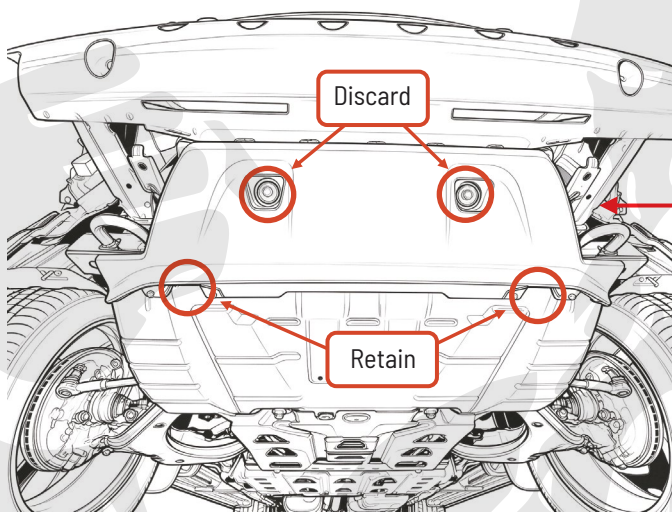
LH PASSENGER SIDE SHOWN



STEP 15



- 1. Underneath the vehicle, remove 2x 12mm hex bolts (front) and 2x 14mm hex bolts (rear) holding the plastic splash shield. Retain the 14mm hex bolts at the rear.
- 2. Pull downwards to release the tabs in middle and remove the splash shield.

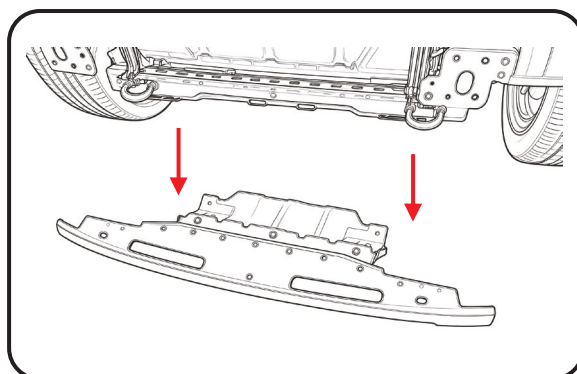
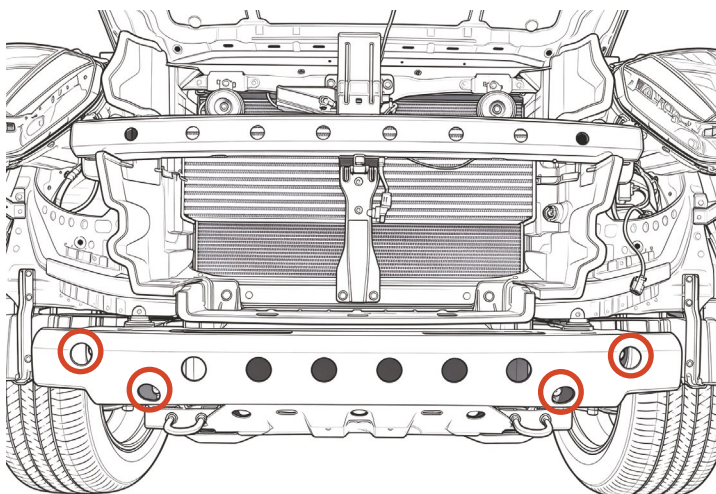


04 **DISASSEMBLY STEPS**

STEP 16

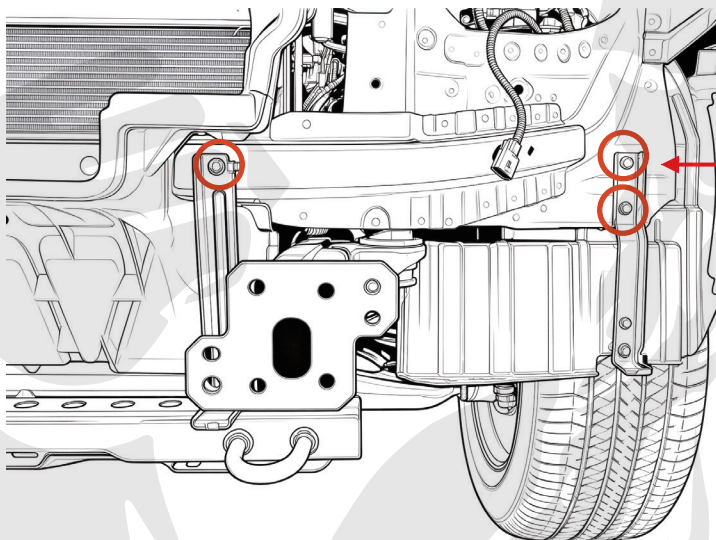


- 1. Remove the 4x 14mm hex bolts securing the impact beam to the chassis.
- 2. Remove and discard the impact beam. Retain bolts for fitting of mounts.

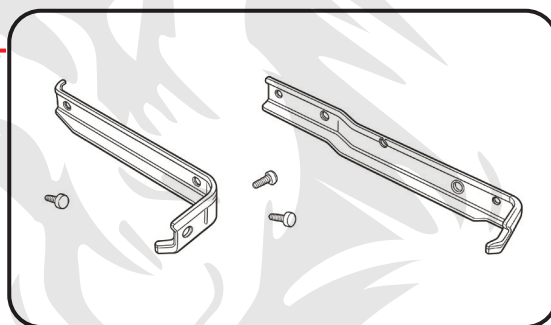


STEP 17

- 1. Remove the 2x 10mm hex bolts securing each outer bumper support bracket.
- 2. Remove the 1x 10mm hex bolt securing each inner bumper support bracket.
- 3. Remove and discard the bumper supports.

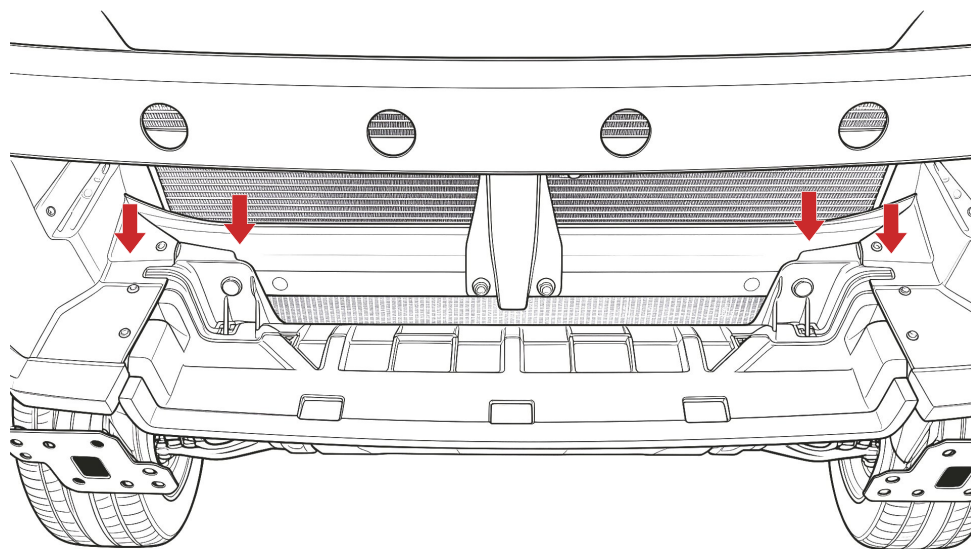


LH PASSENGER SIDE SHOWN



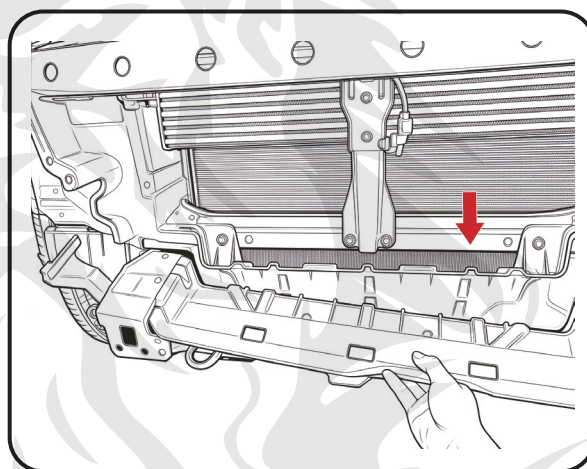
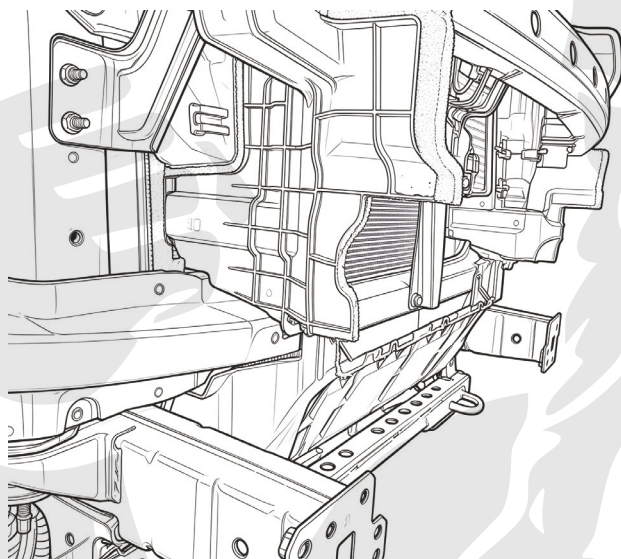
STEP 18

- Remove the entire plastic component, then detach the plastic clips that fasten the plastic parts together.



STEP 19

- 1. Use an oscillating multi-tool or equivalent tool. This component is secured by 4 plastic clips.
2. Remove the entire plastic component.



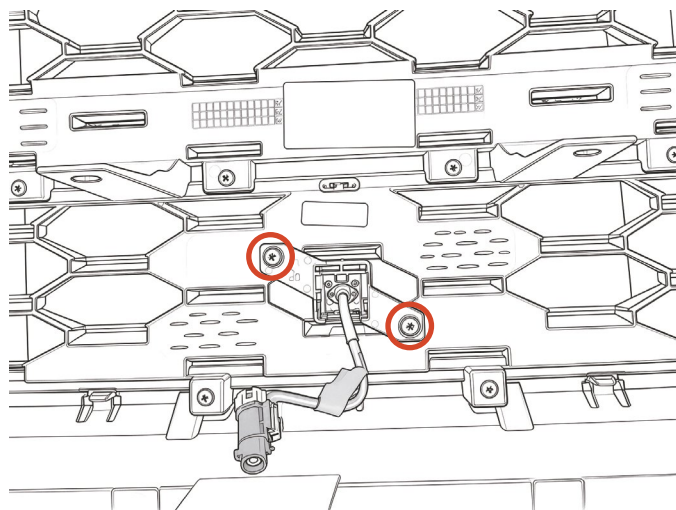
04 DISASSEMBLY STEPS

STEP 20

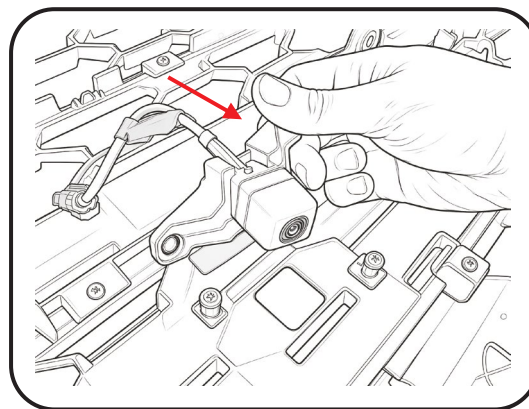
➤ Time to strip the bumper.

Note: For Predator bars, there is the option to relocate the front 360 degree camera if fitting with a Stealth Hoop or Rally Hoop bolt-on top tube.

If choosing to relocate, remove the camera assembly from the back of the grille by removing 2x T25 Torx screws. Otherwise skip this step.

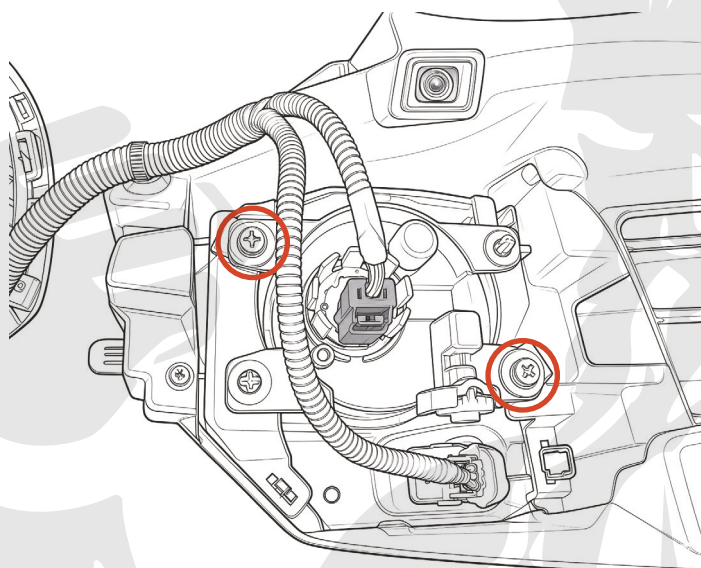


OPTIONAL - PREDATOR BARS ONLY

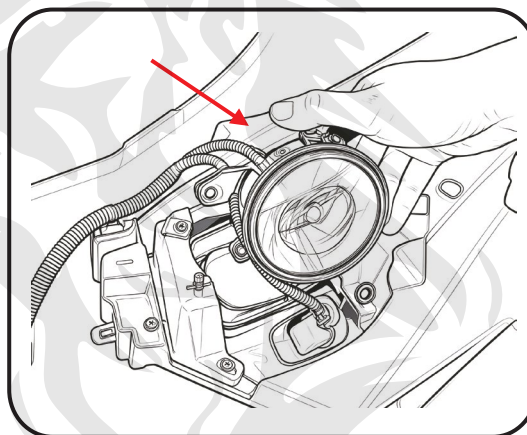


STEP 21

➤ If equipped, remove 2x 10mm hex bolts securing each fog light on the back of the bumper.

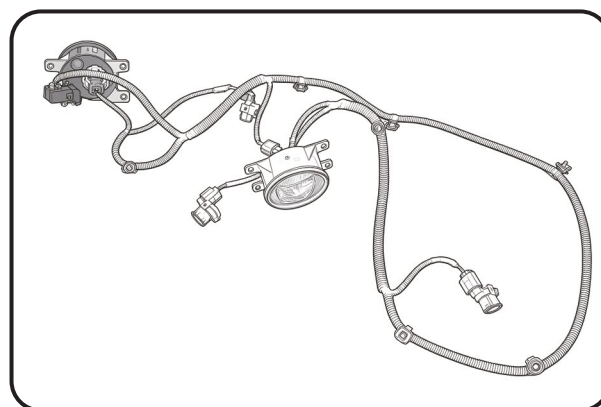
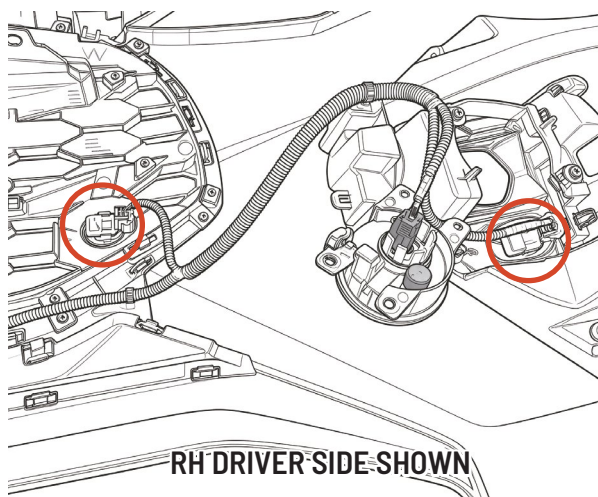


RH DRIVER SIDE SHOWN



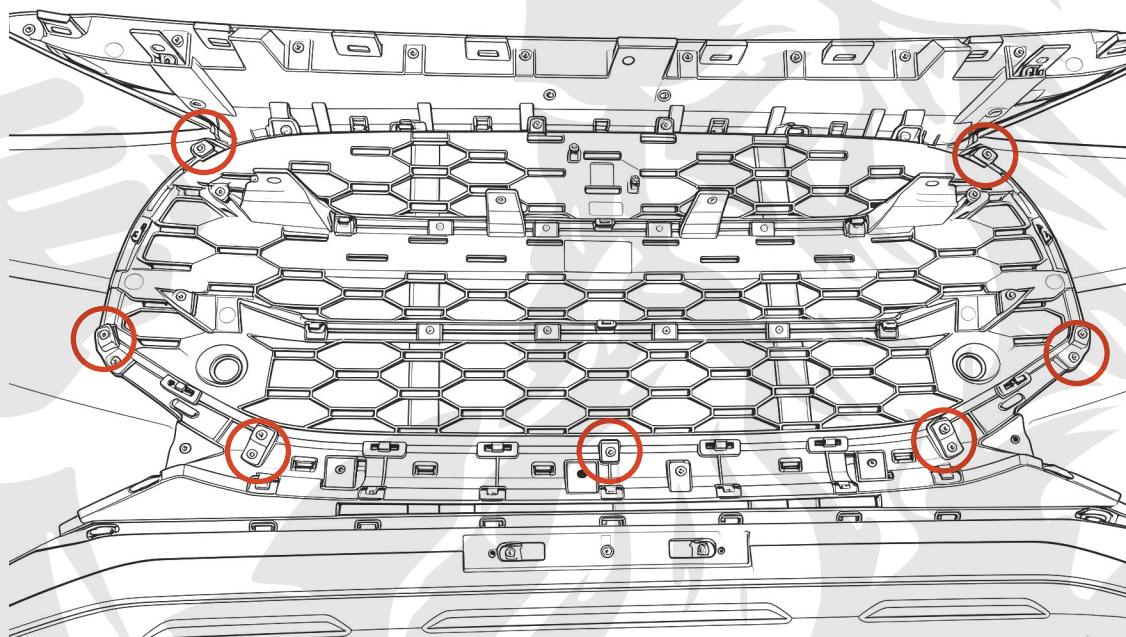
STEP 22

- 1. If equipped, take note of the orientation of all 4x parking sensors. The plugs should all be pointing outwards to the side of the vehicle.
- 2. Spread open the tabs on the plastic sensor holder and unclip each parking sensor.
- 3. Press down on the tabs on the sensor holders and remove them from the bumper. Keep track of the sensor holder orientation.
- 4. Re-fit the sensor holders back onto the parking sensors in the same original orientation.
- 5. Cut the cable tie clips securing the harness to the bumper and strip it off the vehicle. Set the harness aside.



STEP 23

- The grille needs to be separated from the bumper.
- Note: Remove 7x Phillips head screws as shown.



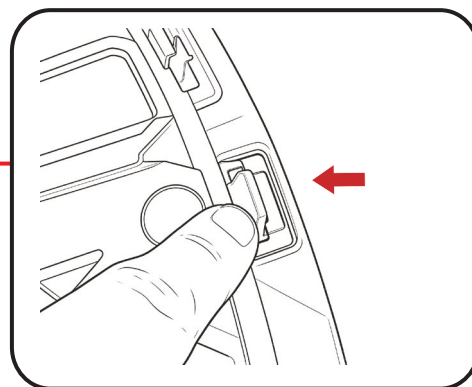
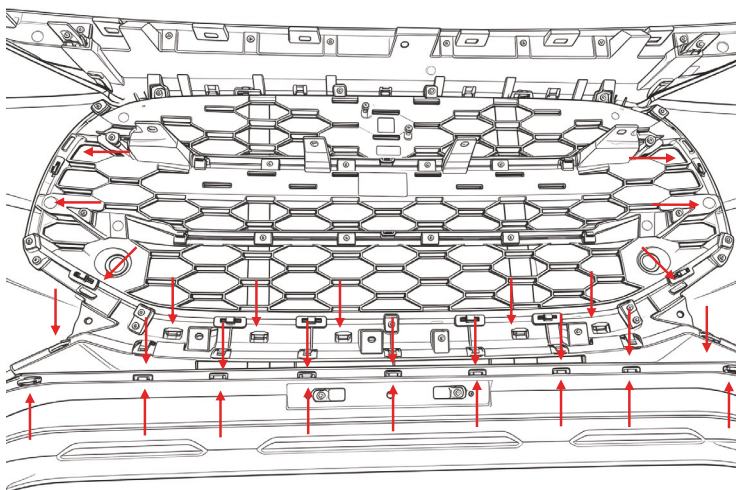
04 DISASSEMBLY STEPS

STEP 24



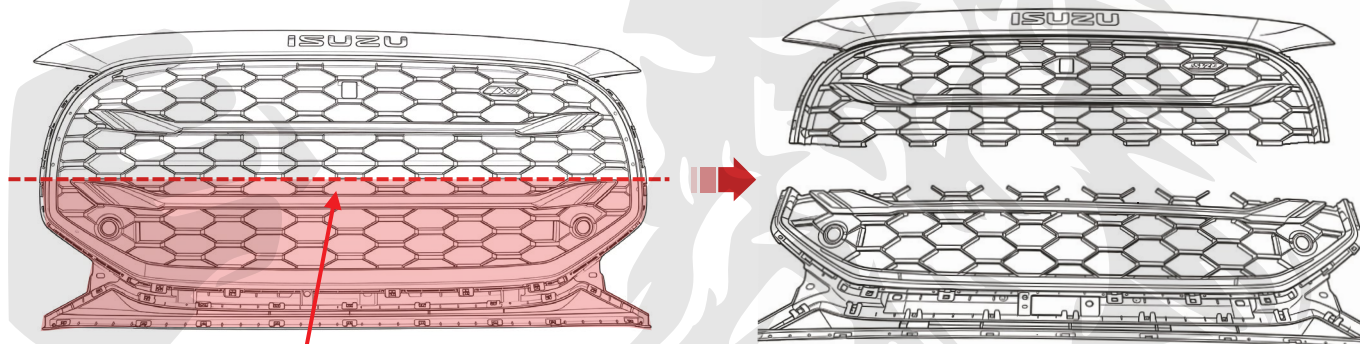
- 1. There are 29x tabs holding the grille to the bumper.
- 2. Fully separate the grille from the bumper. The bumper can be discarded.

Note: Use a flat blade screwdriver or trim tool to assist with releasing them.



STEP 25

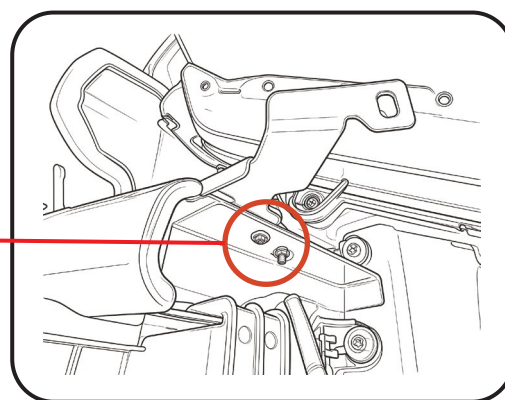
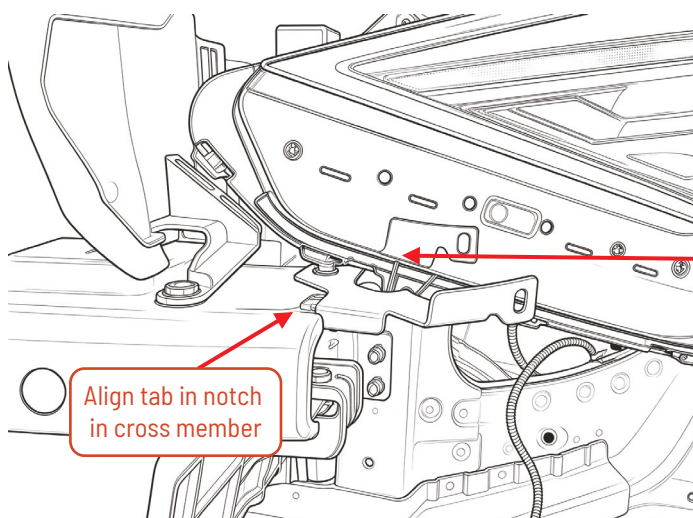
- 1. The grille will need to be cut as shown.
- 2. Discard the lower section of the grille.
- 3. Clean up the trimmed edges with a deburring tool or utility knife.



Cut along the red line

STEP 26

- 1. Fit the B-1584 grille infill support brackets to the upper cross member, just inside of the headlights. Align the tab on the bracket into the small notch in the upper cross member.
2. Secure each bracket with 1x M6x16 black button head bolt, black washer and flange nut. Have the bolt head underneath and the nut on top.

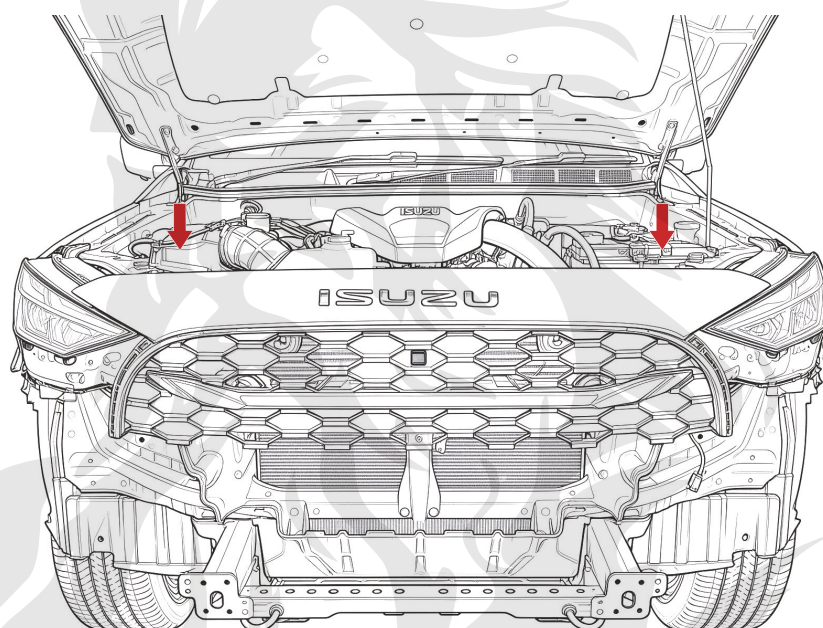
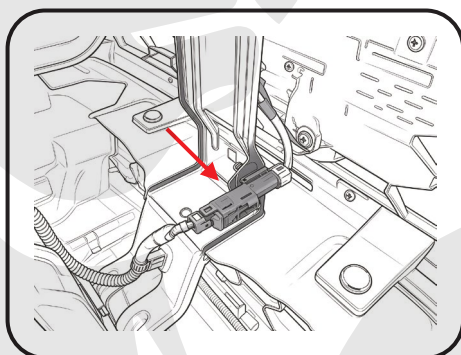


LH PASSENGER SIDE SHOWN

STEP 27



- 1. Re-fit the grille, radiator top cover and air intake scoop, using original plastic push clips.
2. If the camera is still in the grille, re-connect it now and clip the harness back in.





Safety Warnings:

- Due to the increasing complexity of new cars with cameras, sensors and radars, it is imperative that when installing accessories on cars, the vehicle is not turned on at all - not even to accessories - without having all cameras, sensors and radars connected.
- All late model vehicles with push-button start use a proximity sensor, which is continually searching for a signal.
- Keys located in the vehicle or nearby will retain residual power within the vehicle, causing faults once the key safety features are unplugged.

DO NOT leave keys within the vehicle, or locate nearby.

- As newer vehicles become more technically advanced, some will flag fault codes if turned on when cameras, sensors and radars are not plugged in.
- This can result in error messages on the dash that cannot be cleared, requiring the car be taken back to a dealership to be cleared and recalibrated.
- Please be aware of this when working on any car with cameras, sensors or radars.



Important Note:

To ensure the parking sensors function properly, this instruction must be strictly followed.

- Before removing the sensors from the original bullbar, record the position and orientation of each sensor. This will allow you to replicate their original position when reinstalling them on the bullbar.
- Do not paint the parking sensors. Parking sensors are precision components in a vehicle's safety system. The sensor's central "eye" is responsible for detecting objects within a specified distance of the vehicle.
- Painting parking sensors will not damage them, but it will inhibit their ability to detect surrounding objects, potentially leading to malfunction or premature triggering. Parking sensors should only be painted once by the original equipment manufacturer (OEM).
- We strongly recommend against color-coding parking sensors when installing bullbar, as excessively thick paint can interfere with the proper functioning of parking assist systems.

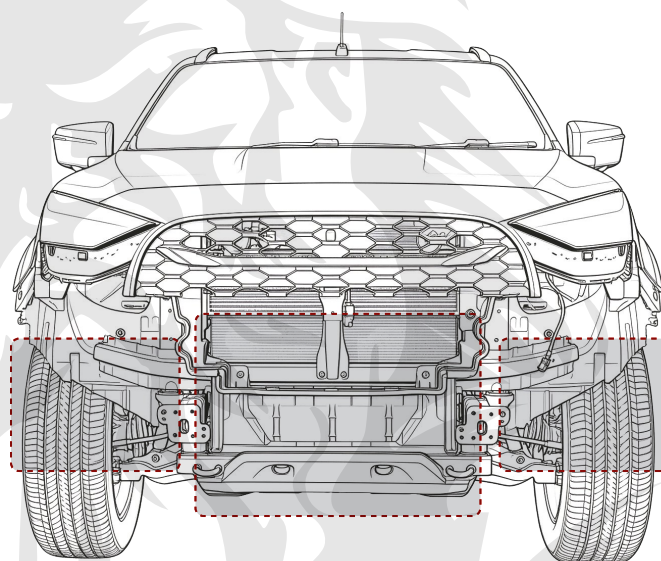
STEP 1

- Disconnect the parking sensor from the previously removed original bullbar, unfasten the clip, remove it, and carefully place it aside for transfer to the crash bar.

Note: Please pay attention to the positional order and orientation of each sensor to ensure they are reinstalled in the bullbar with the same configuration.

-
1. Carefully remove the clips securing the original sensor and radar wiring harness to the lower part of the bumper, detaching the clips from the harness as you proceed.
 2. There is no need to detach or remove the wiring harness from the grille section; leave it attached and in place.

Note: Do not use force or pull, to avoid damaging the wiring harness.

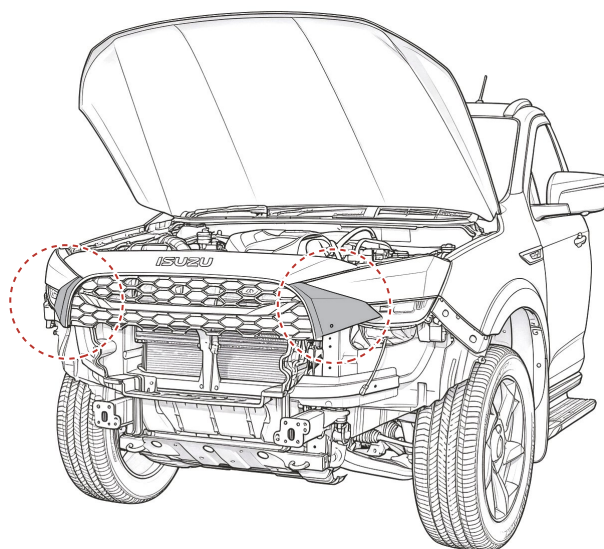
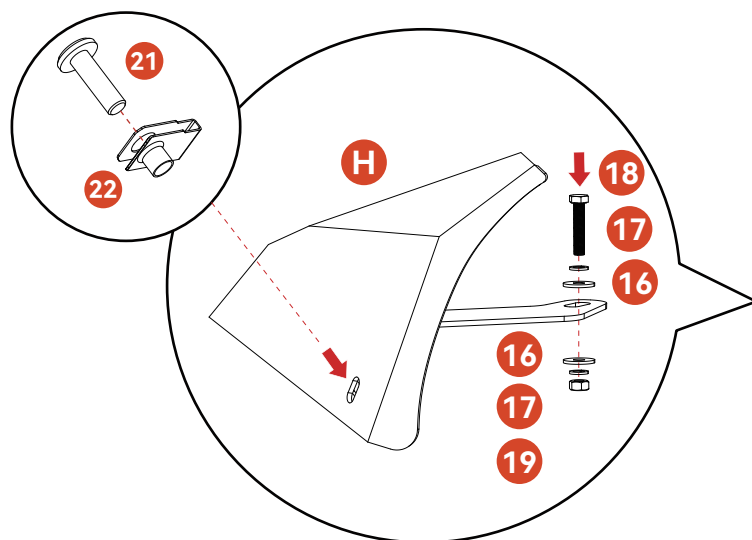


05 INSTALLATION STEPS

STEP 2

- First, attach the replacement grille component using the speed clips and screws, then install the entire assembly onto the vehicle's grille location.
- Align the mounting holes with the corresponding points on the vehicle's front grille area and secure it using M6x30mm hex bolts.

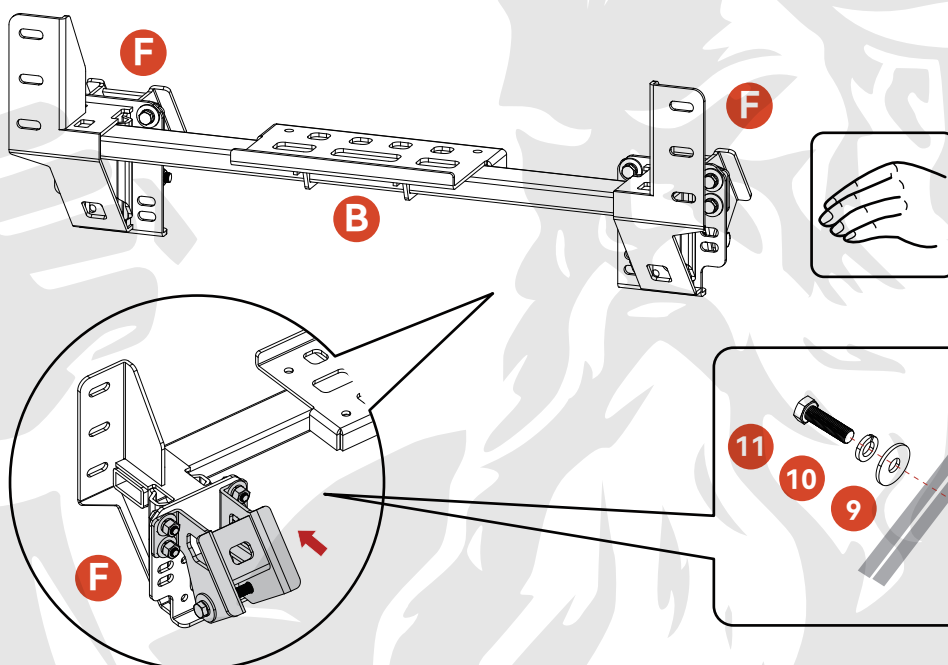
 16 4X	 17 4X	 18 2X	 19 2X
 21 2X		 22 2X	



STEP 3

- First, install the beam-end mounting brackets.
- Align the mounting holes at the connection point and secure them using M12x40mm hex bolts.

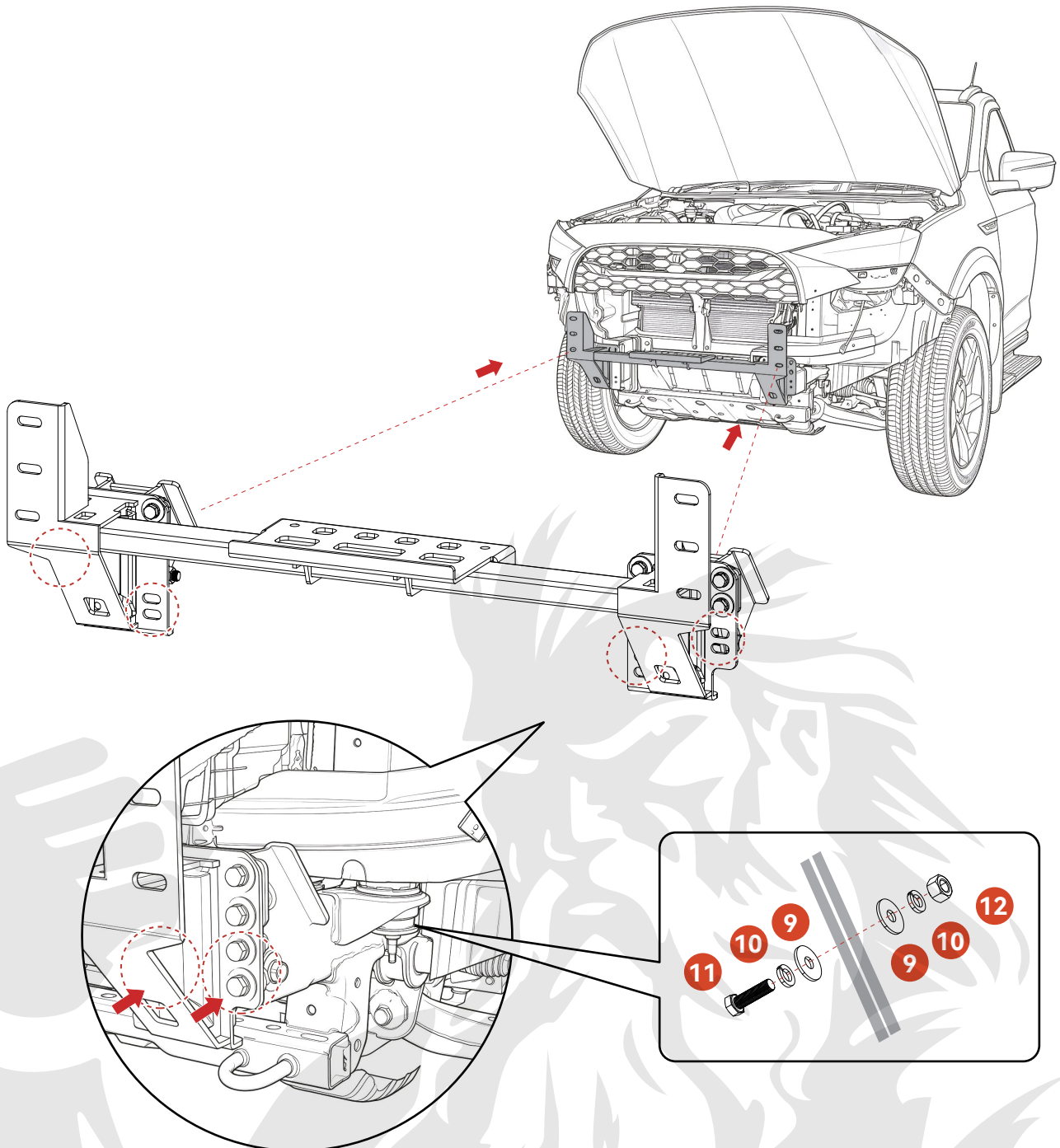
 9 16X	 10 16X	 11 8X	 12 8X
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STEP 4

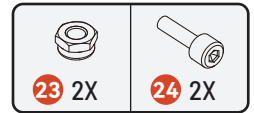
- 1. Install the winch bracket, aligning the mounting holes with those on the vehicle frame.
2. Secure the lower corner holes using M12x40mm hex-head bolts.

			
9 16X	10 16X	11 8X	12 8X

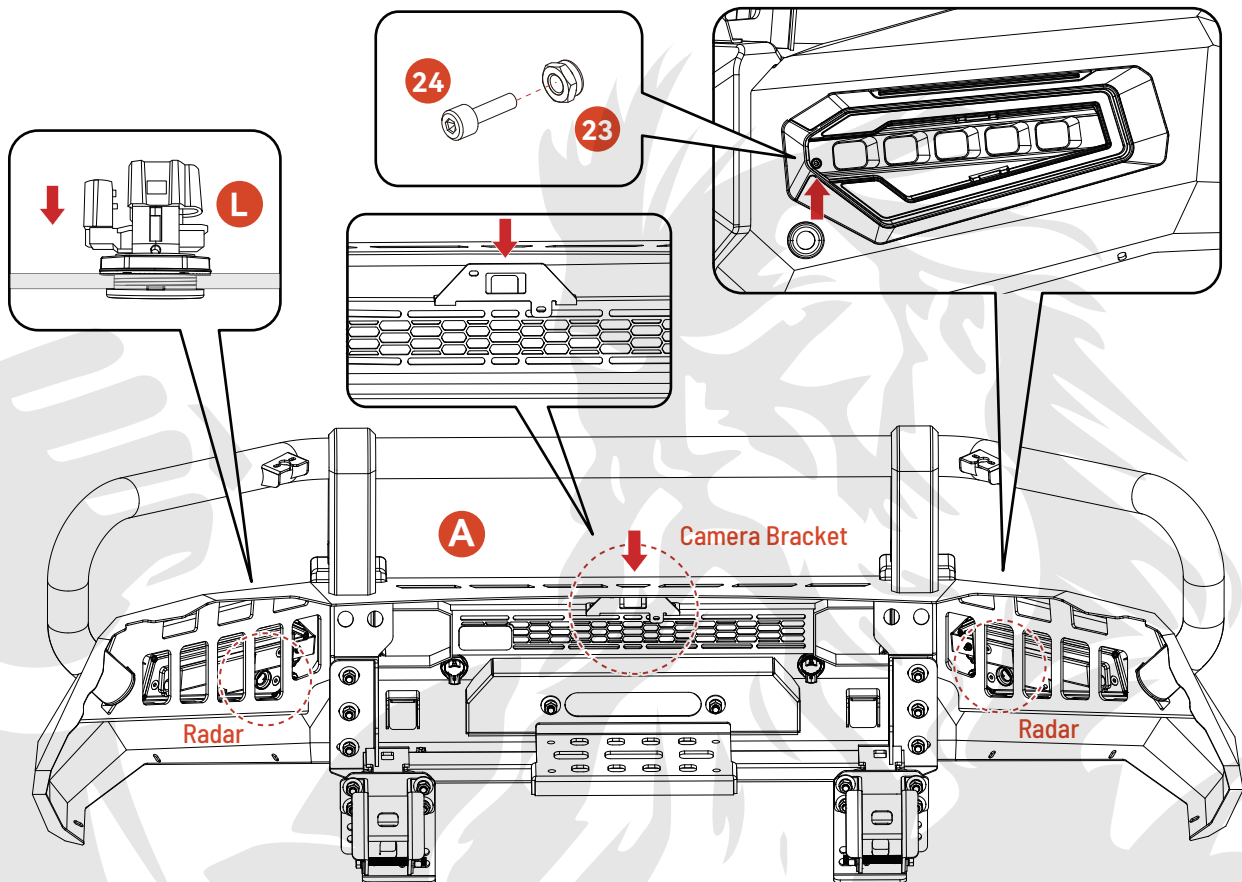
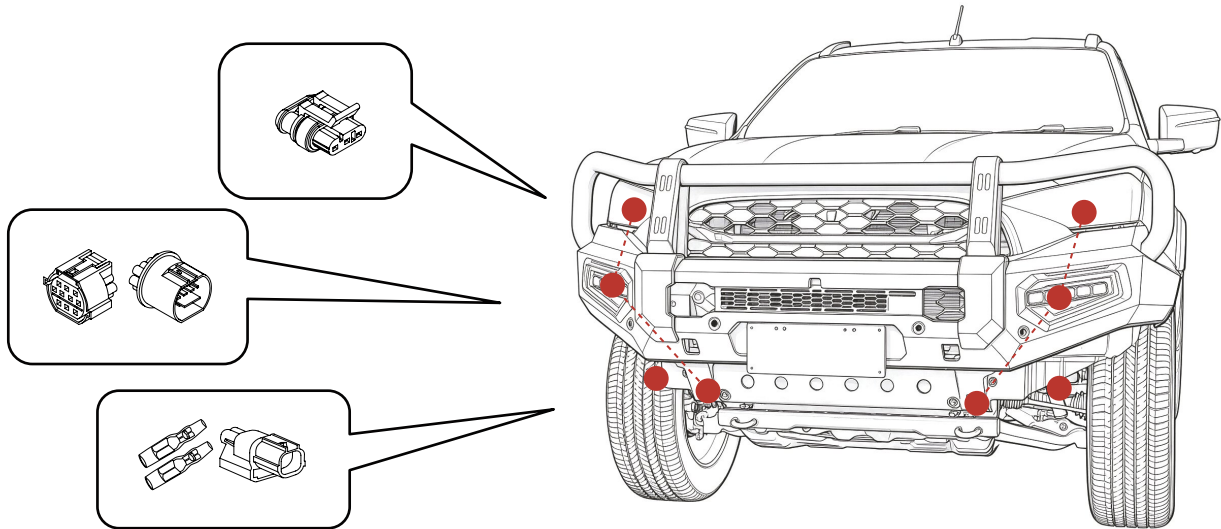


05 INSTALLATION STEPS

STEP 5



- 1. Install, secure, and wire the light.
2. Insert the radar, radar extension, and camera into the factory wiring channel.
3. Secure the radar bracket by tightening the nuts.
4. Use cable ties to fasten all wiring and cables to the mounting clips.
5. Test all functions to ensure proper operation.



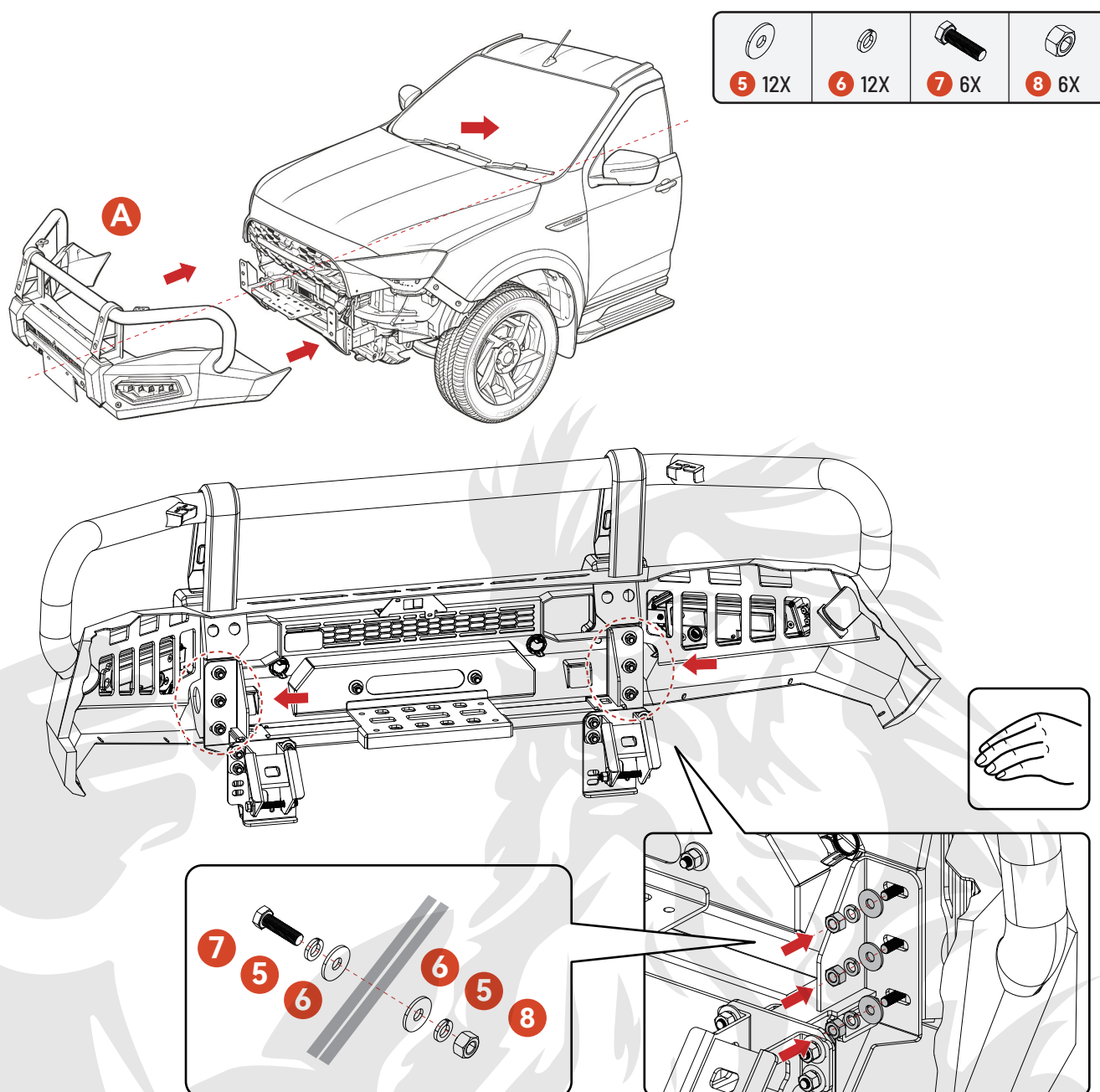
STEP 6



- 1. Position the vehicle on the ground or on a four-post lift, raise the bumper to the correct height, and align the side wing panels with the chassis mounting holes.
2. Secure the main bumper assembly to the fenders and brackets using fully threaded M10x35mm hex-head bolts.
3. Repeat the same steps on the other side.
4. Center the bumper with the vehicle body and lift the lower bolts on both sides to adjust it to the correct position.

Note: Leave a gap of approximately 25 mm between the bumper and the bumper wing. This allows for chassis flex and prevents contact between the body panels and the bumper.

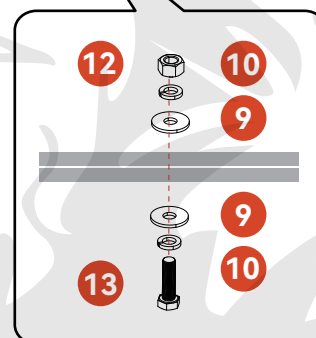
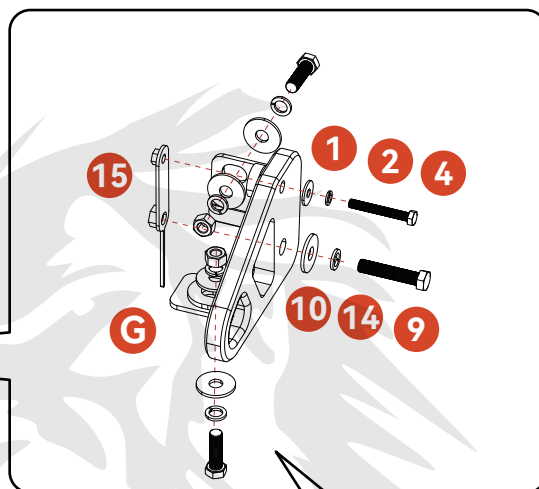
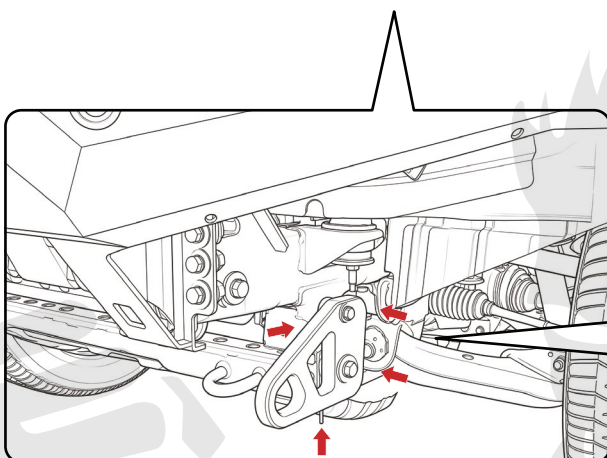
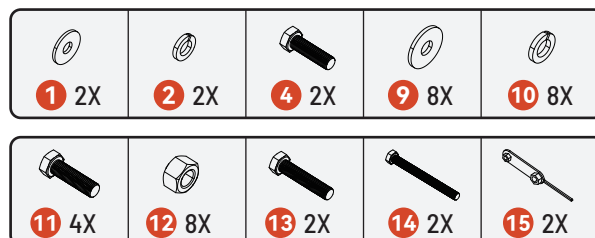
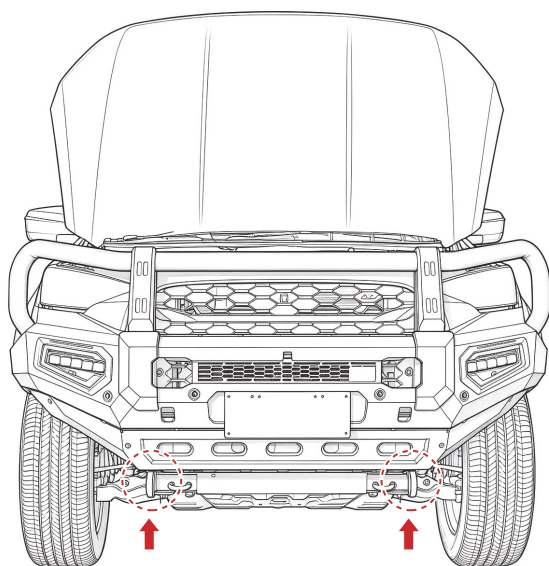
Warning: Unless a bumper lift assist tool is used, it is recommended that two people perform this task to avoid personal injury or damage to the vehicle and/or components.



05 INSTALLATION STEPS

STEP 7

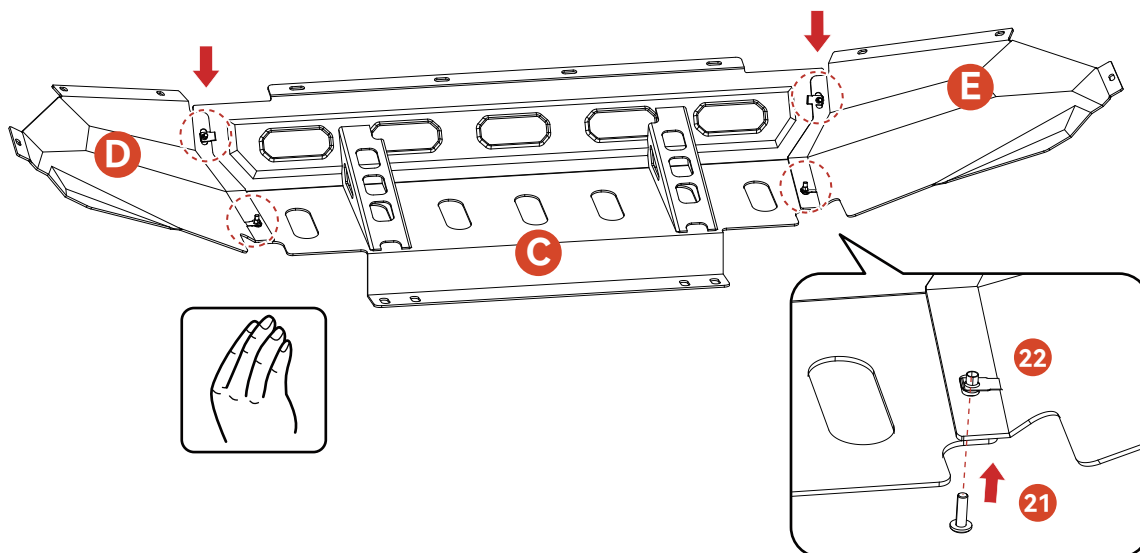
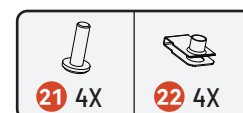
- 1. Install the tow hook, aligning the mounting holes.
2. Secure the bottom using bolts with washers.
3. Secure the side of the tow hook using M12x60mm and M12x100mm bolts with washers.



05 INSTALLATION STEPS

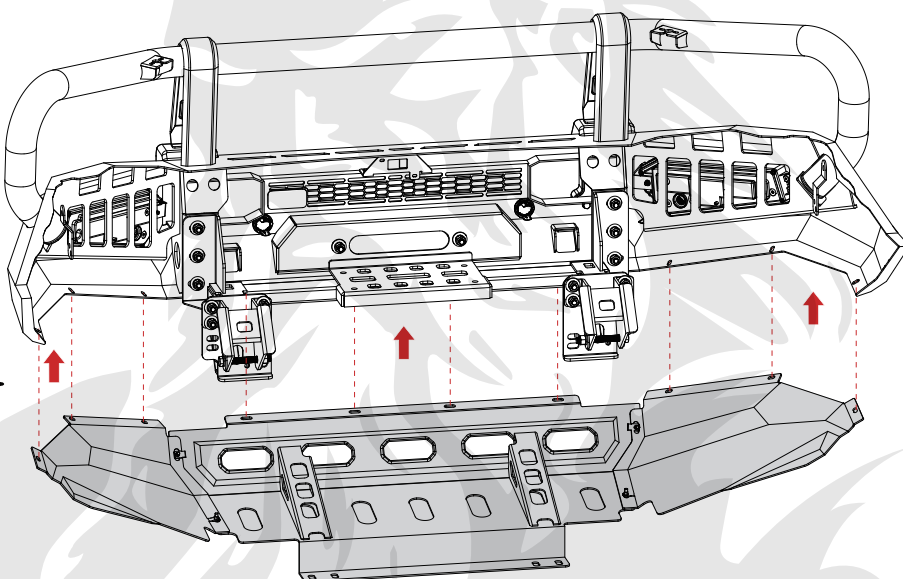
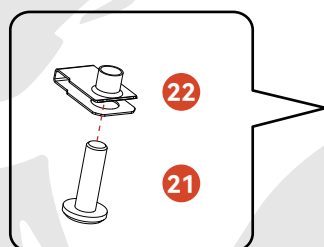
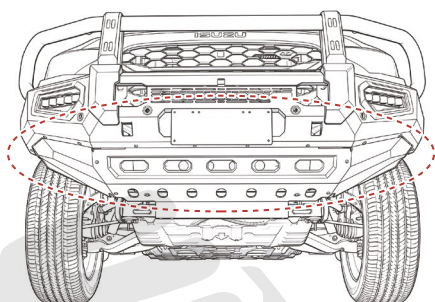
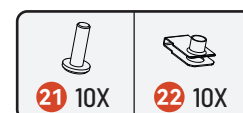
STEP 8

1. Install the skid plate, aligning the mounting holes at the connection points.
2. Secure the skid plate using M6x20mm bolts and clip nuts.



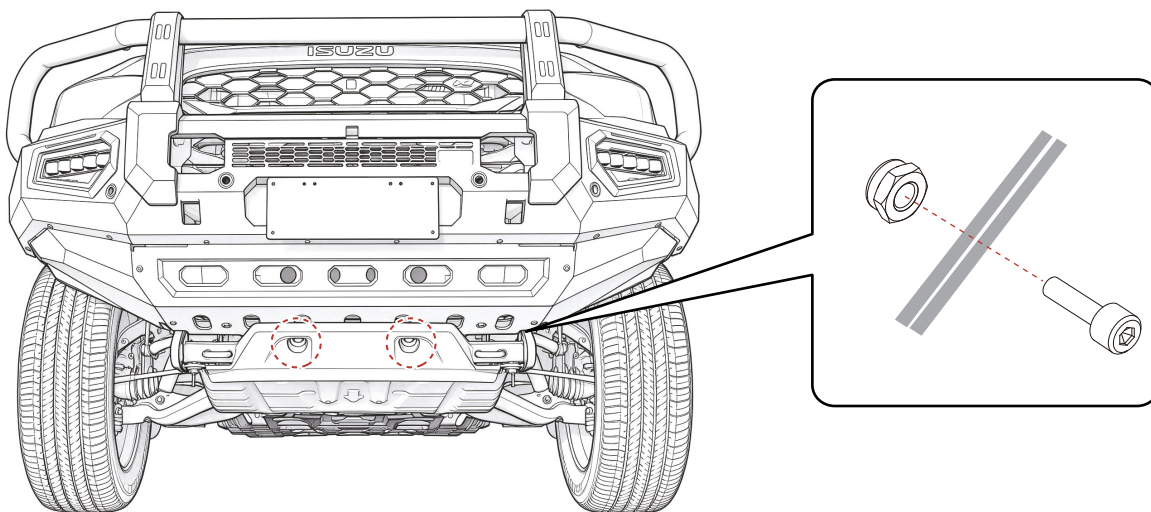
STEP 9

1. Install the skid plate by attaching it to the bottom of the front bumper's main welded assembly, ensuring the mounting holes are aligned.
2. Secure the skid plate using M6x20mm bolts and clip nuts.



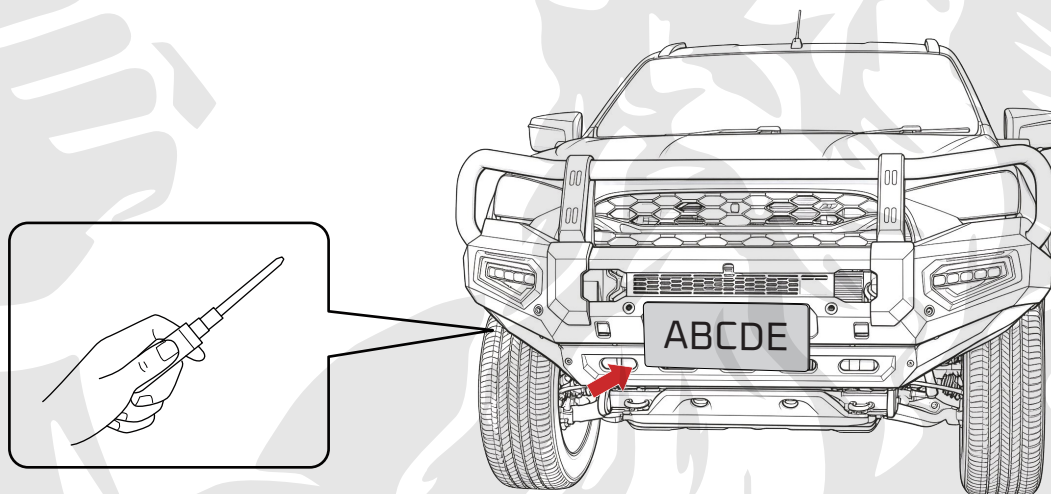
STEP 10

- 1. Align the mounting holes at the bottom of the skid plate and the bumper guard.
- 2. Secure the bottom section using the original vehicle screws.

**STEP 11**

- 1. Apply safety warning stickers to the left and right edges of the rescue point.
- 2. Apply safety warning stickers to the left and right edges of the rescue point.
- 3. Clean the recessed area for the badge.
- 4. Carefully attach the adhesive badge to the front of the crash bar.
- 5. Reinstall the license plate onto the flip bracket using the original bolts.

Note: Brand placement is important; ensure the brand badge is applied straight and adheres firmly to the surface of the bumper bar.



■ POST-ASSEMBLY INSPECTION



Structural fastening inspection: Confirm that the crash bar has been securely installed in the reserved holes on the main beam using the matching bolts, without any shaking or displacement.



Bolt torque verification: Use a torque wrench to verify that all bolts have reached the specified torque value (M12: 100-120 N.m, M14: 140-160 N.m) and that thread-locking adhesive has been applied.



Wiring harness securely secured: Check that all added wires are not exposed, do not come into contact with sharp edges, and are reliably secured with flame-retardant cable ties, and keep them away from high-temperature components such as exhaust pipes.



Safety warning stickers: Ensure that the ACC adaptive cruise control calibration reminder and rescue towing point marking stickers have been affixed as required to prevent damage caused by accidental operation by others.



Lighting function test: Check in sequence whether the turn signals, brake lights, side marker lights, and added fog lights/strip lights illuminate normally without flickering or error messages.



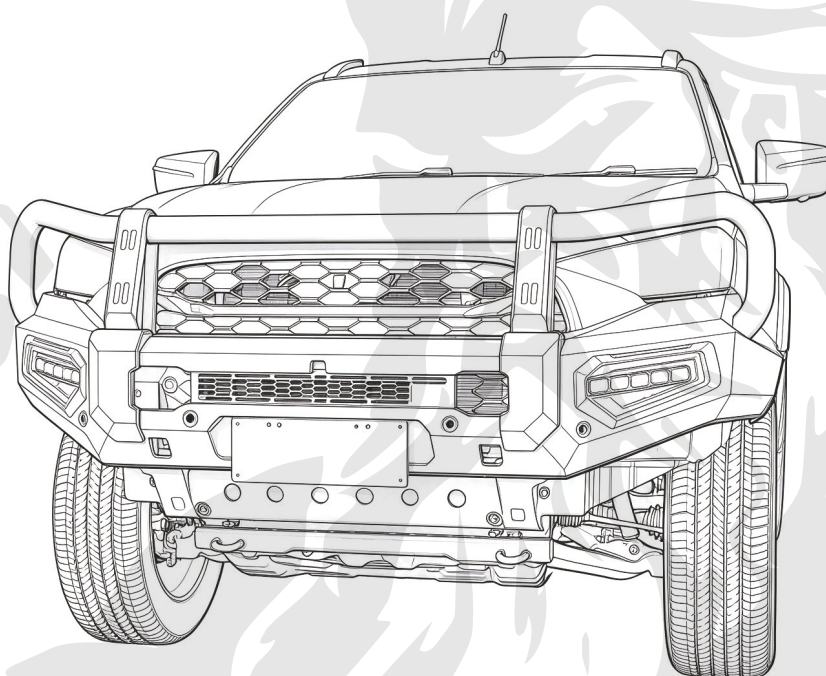
Sensor function verification: Test the working status of the reversing radar, parking sensor, and 360-degree panoramic front camera (if any) to confirm that there are no continuous false alarms and that the images are not obstructed or distorted.

■ MAINTENANCE RECOMMENDATIONS

- **Pre-departure inspection routine:** Before each long-distance or off-road trip, visually inspect the bullbar for any obvious deformation or cracks, and check if the bolt markings are misaligned.
- **Regular tightening and maintenance:** It is recommended to perform a full inspection every 10,000 kilometers (approximately 6,200 miles) and tighten all connecting bolts with a torque wrench.
- **Post-off-road inspection:** After heavy off-roading or a collision, immediately check whether the connection between the bar and the frame is deformed, whether the bolts are loose, and whether the sensors have shifted.
- **Rust prevention and cleaning:** Regularly clean the mud, sand and salt accumulated inside the bar body (especially in the de-icing agent area in winter), check the welds and bolts for rust, and spray rust inhibitor if necessary.



SYMPTOM	POSSIBLE CAUSE	SOLUTION
ACC adaptive cruise control unavailable or forward collision warning error	The front bullbar may have obstructed the millimeter-wave radar, or the radar bracket may have deformed, causing an angle shift.	Inspect and remove any obstructions; replace any deformed brackets; and take the radar to an automotive service center for recalibration.
The front parking radar continues to issue false alarms (alarms even when there is no object).	The gap between the radar probe and the bullbar is too small (less than 15mm), or the probe is installed at an off-center angle.	Increase the gap between the probe and the bullbar, and adjust the probe angle to the original vehicle orientation.
The active grille cannot open or close properly.	The grille linkage mechanism was squeezed or bumped during installation, or the wiring harness was compressed by the bracket.	Check if the grid blades move freely, restore the wiring harness connection, and adjust the bracket to avoid interference.
Front fog lights or added strip lights not working, flashing, or displaying error messages	Power supply and wiring issues or compatibility problems.	The battery was used to draw power independently, and a relay and fuse were added. The grounding point was re-polished, and a decoding harness was used.
metallic noises or resonance from the front of the vehicle while driving	The connecting bolts are loose, or the bar body interferes with the chassis guard plate and water tank frame.	Use a torque wrench to tighten all bolts, check for interference points and grind or add buffer shims.



BUMPERS



THANKS FOR YOUR PURCHASE

PLEASE LET US KNOW IF YOU HAVE ANY QUESTIONS