



WeldBeat
A U S T R A L I A

Installation Manual - Weldbeat Winch Bar

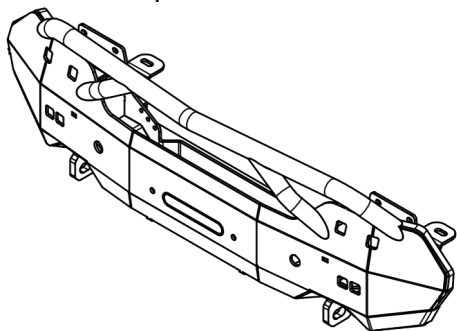
Vehicle Compatibility:
Mercedes-Benz Sprinter
907 (VS30) | 2018-
Present

Code Description
MB1 Cab Chassis (Standard Roof)
MB2 Van (LWB / High Roof)
MB3 Dual Cab Chassis
MB4 All-Wheel Drive (4x4)

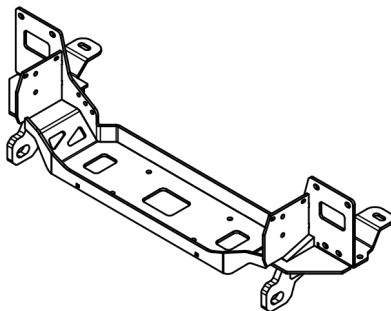
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PART LIST - TOTAL QUANTITIES - Weldbeat Winch Bar

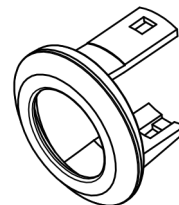
Winch Bar - Aluminium Crash
Bumper Shell - 1x



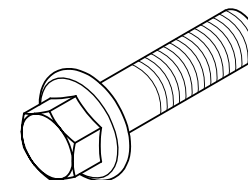
Winch Bar - Steel winch Cradle
with 2x recovery points - 1x



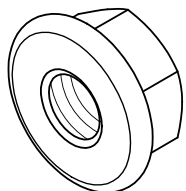
Weldbeat Sensor Plastic
Housing - 2x



M8 x 30 Zinc Flake Silver Hex
Flange Bolt - 12x



M8 Zinc Flake Silver Hex Flange
Serrated Nuts - 12x



M5 x 16 Button Head Bolts
Stainless steel - 4x

M5 x Nylock Nut
Stainless steel - 4x

M5 x 10 Washer
Stainless steel - 4x

M6 x 20 Button Head Bolts
Stainless steel - 2x

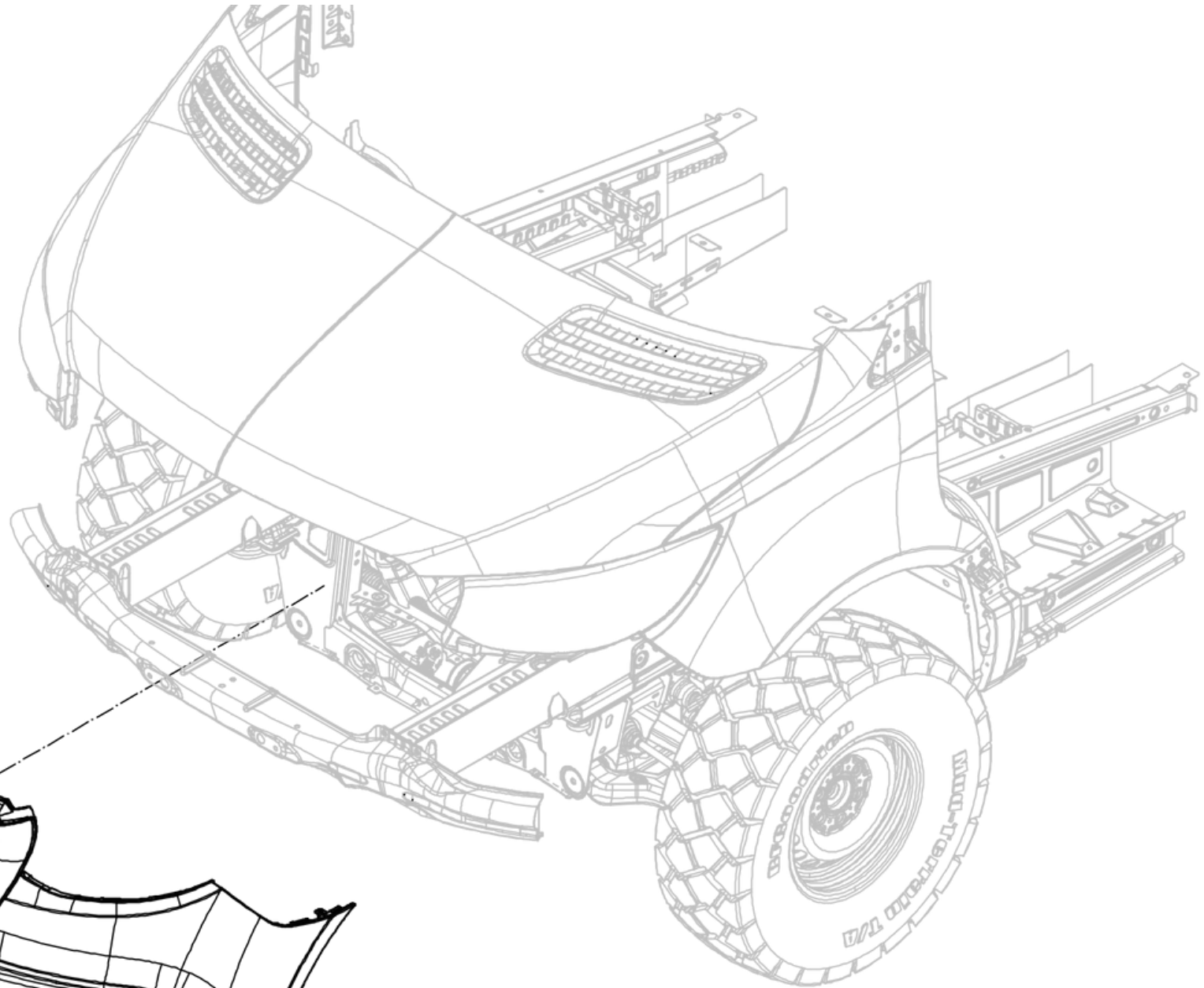
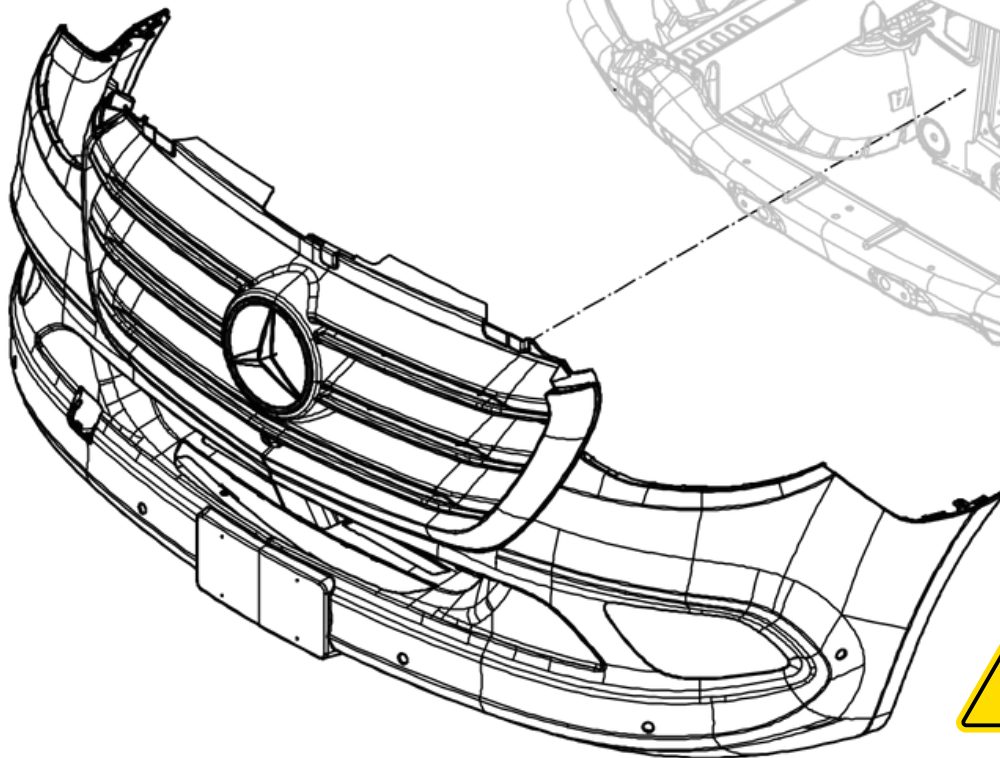
M6 x 12.5 Washers
Stainless steel - 2x

M6 x Nylock Nut
Stainless steel - 2x

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Step 1: Remove the Front Plastic Bumper

Begin by detaching the front plastic bumper, including the front mask. During this process, ensure that all six parking sensors are removed along with the complete harness. At this stage, also unbolt the radar bracket—do not disconnect it; instead, carefully move it aside

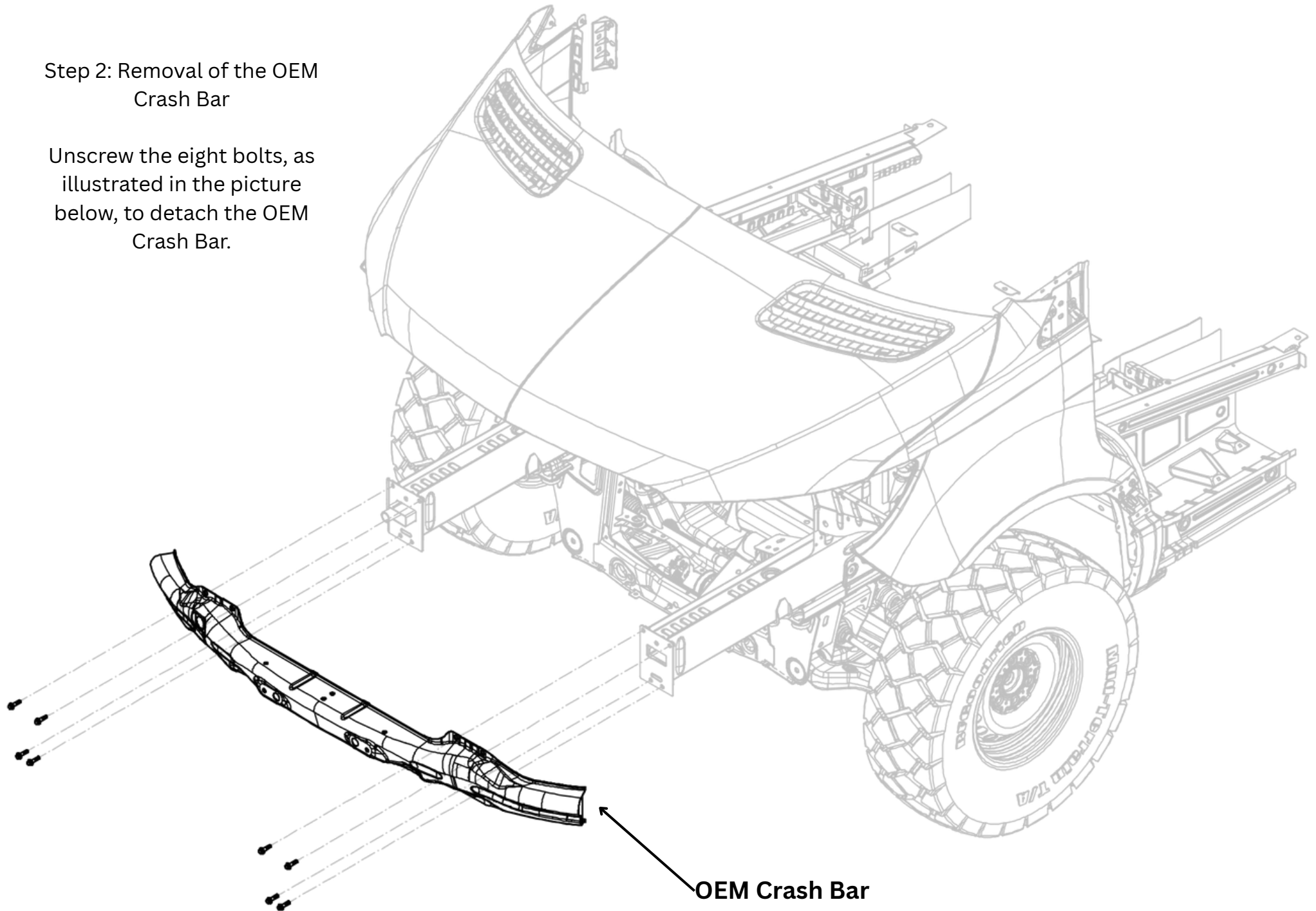


Disconnect all the parking sensors and camera prior to removing plastic bumper

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Step 2: Removal of the OEM
Crash Bar

Unscrew the eight bolts, as
illustrated in the picture
below, to detach the OEM
Crash Bar.



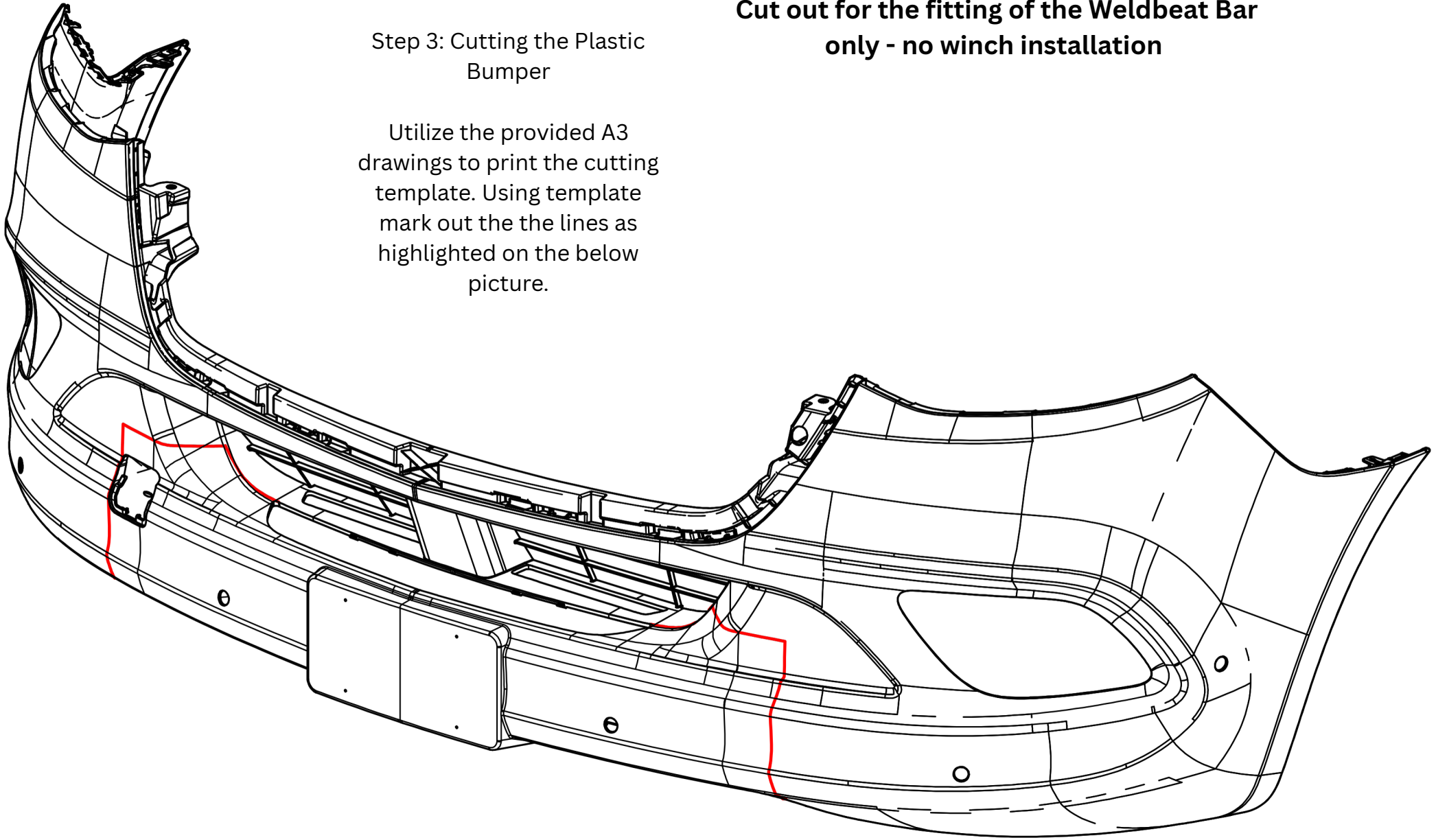
OEM Crash Bar

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Step 3: Cutting the Plastic Bumper

Utilize the provided A3 drawings to print the cutting template. Using template mark out the the lines as highlighted on the below picture.

Cut out for the fitting of the Weldbeat Bar only - no winch installation

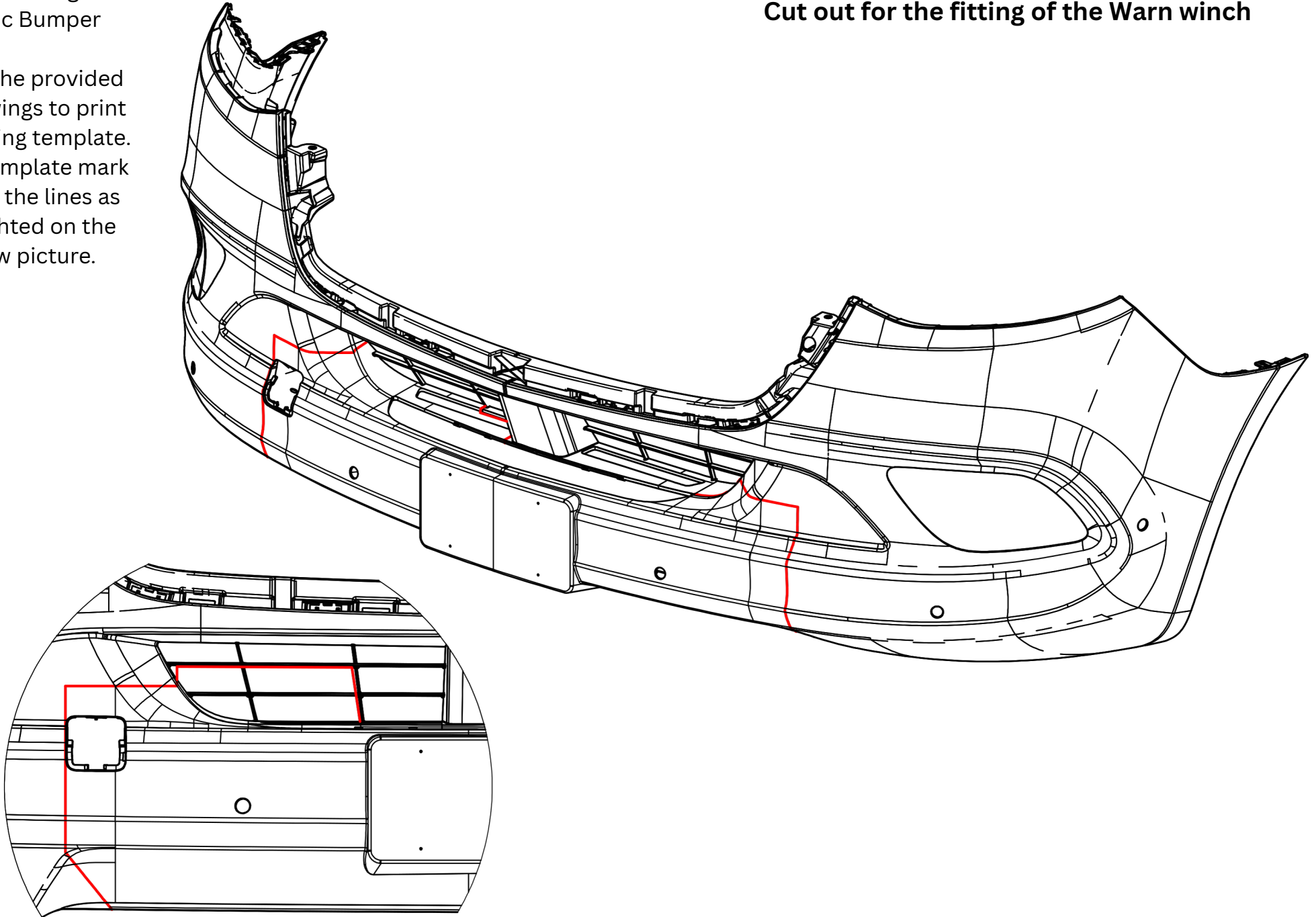


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Step 3: Cutting the Plastic Bumper

Utilize the provided A3 drawings to print the cutting template. Using template mark out the the lines as highlighted on the below picture.

Cut out for the fitting of the Warn winch



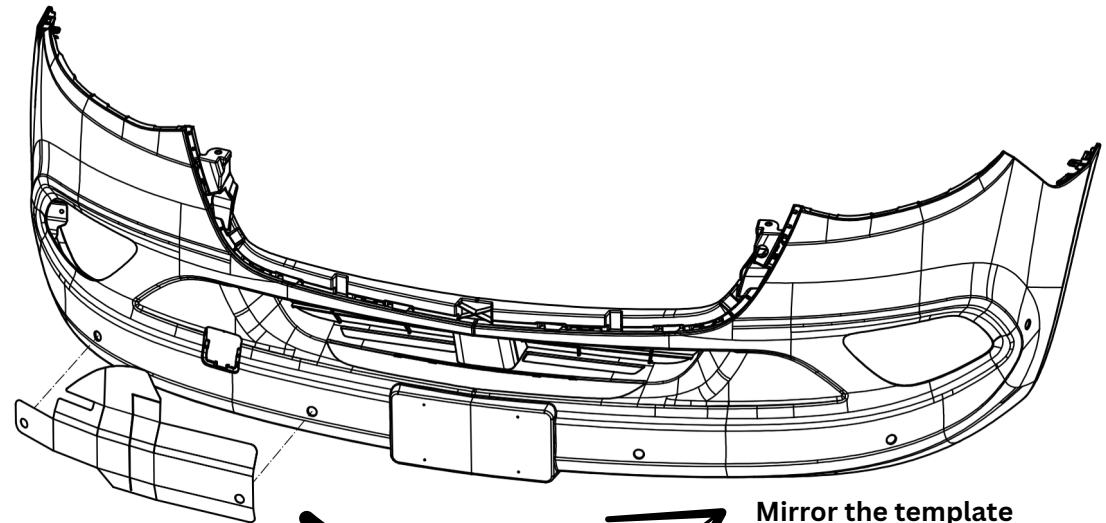
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Using the template

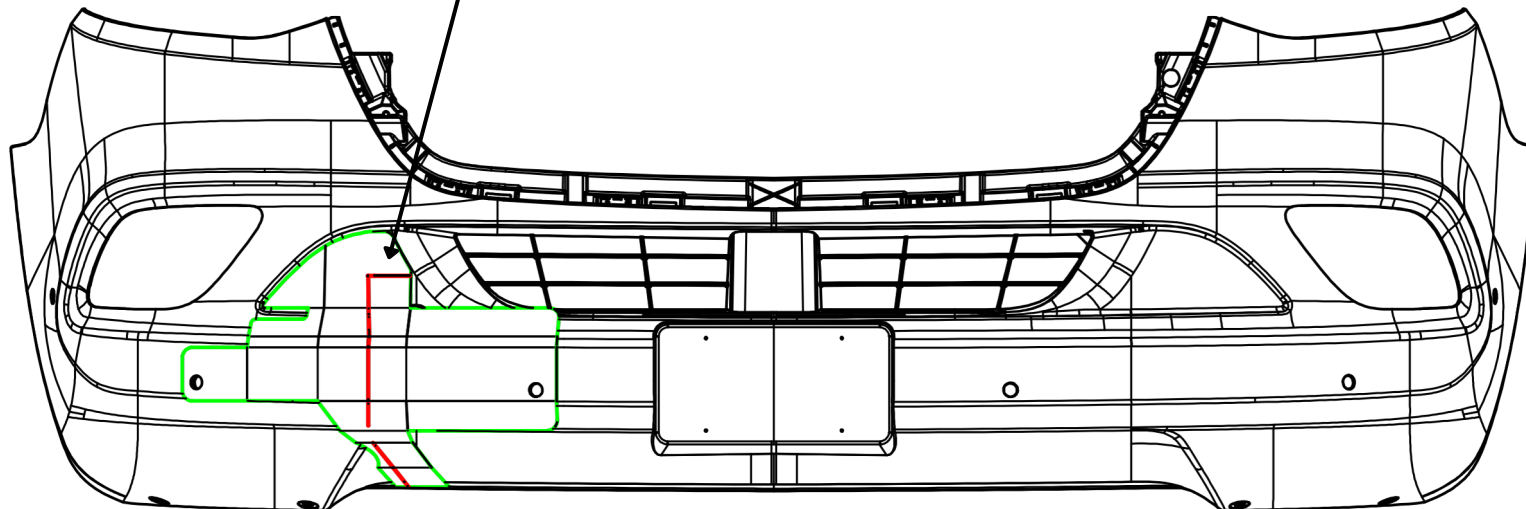
Make sure the templates are printed 1;1 on A3 format at 100% scale



The red line indicates the cutting line on the plastic bumper!

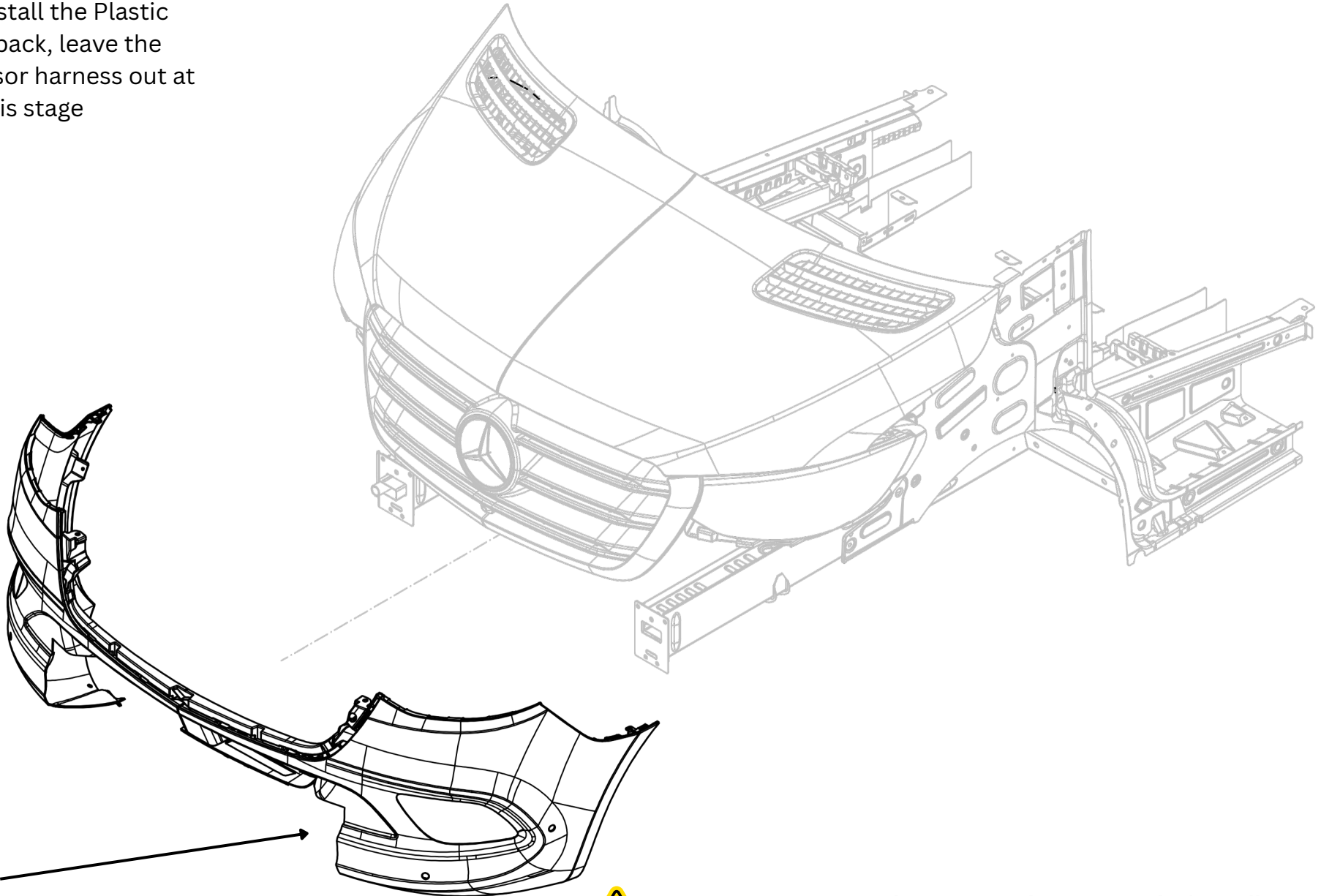


Mirror the template for the other side



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Step 4: Install the Plastic Bumper back, leave the parking sensor harness out at this stage

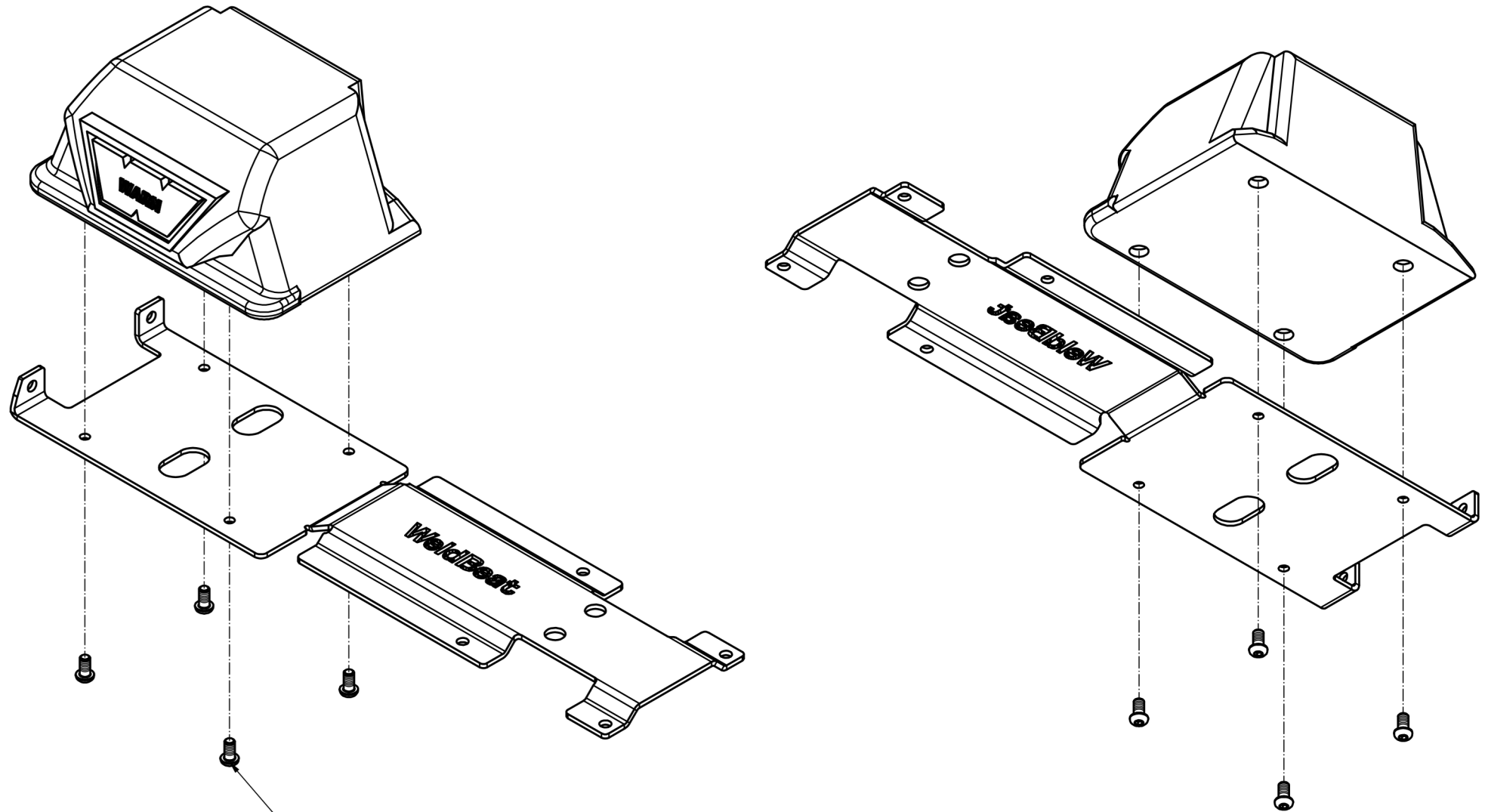


Apply supplied pinch weld to all cut edges!

Remove entire parking sensor harness including all sensor prior to fitting the plastic bumper and the mask back.

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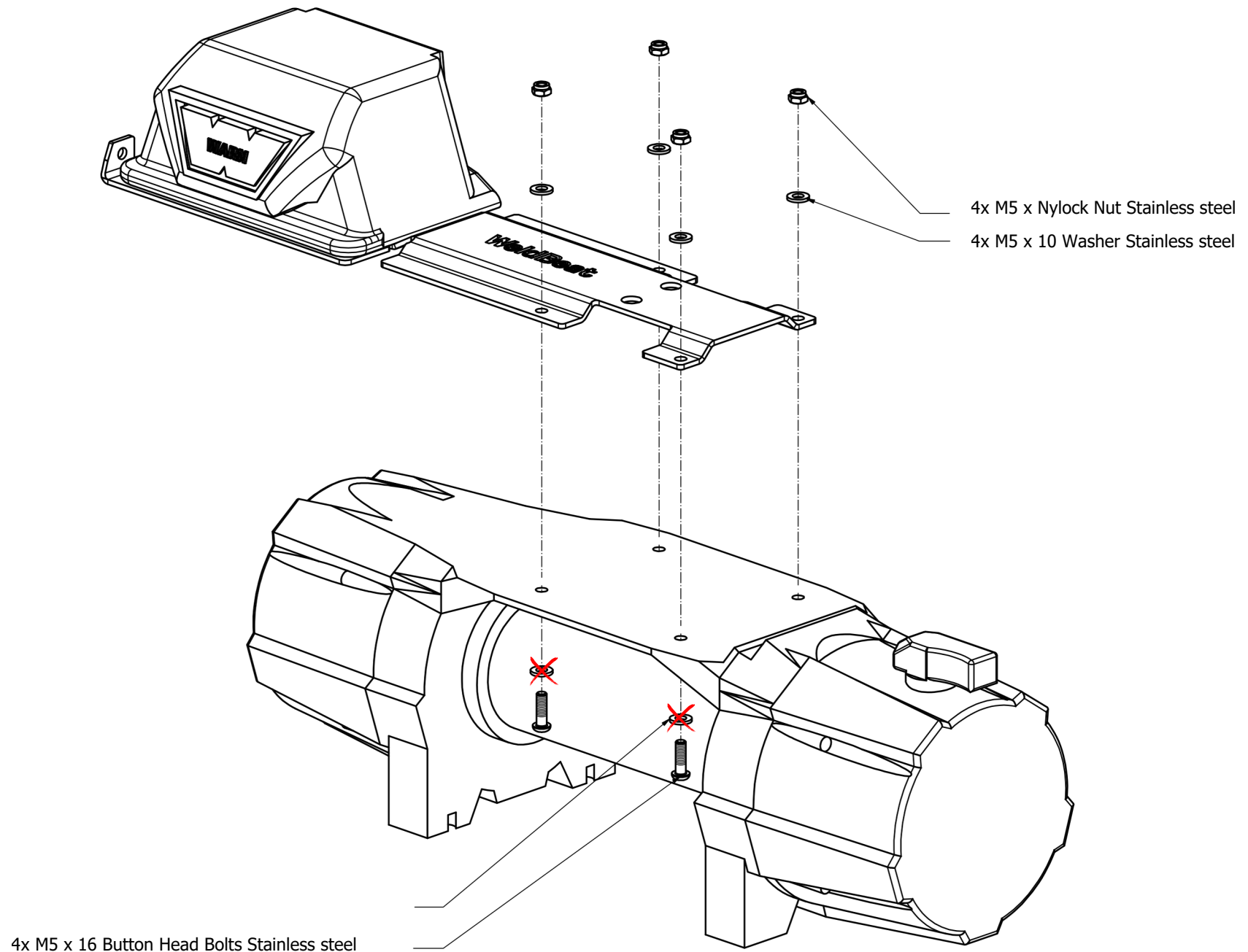
Installing Warn control box to Weldbeat bracket



Repurpose bolts from the Warn control box.

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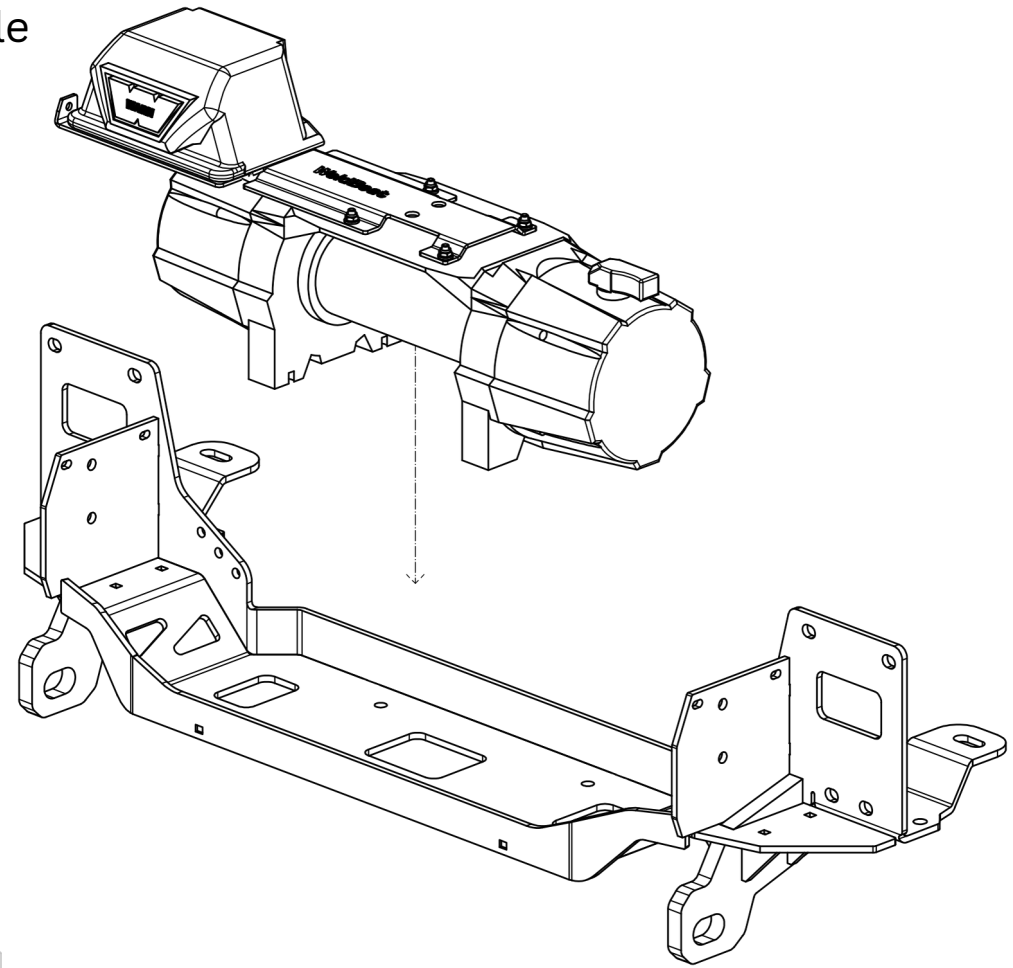
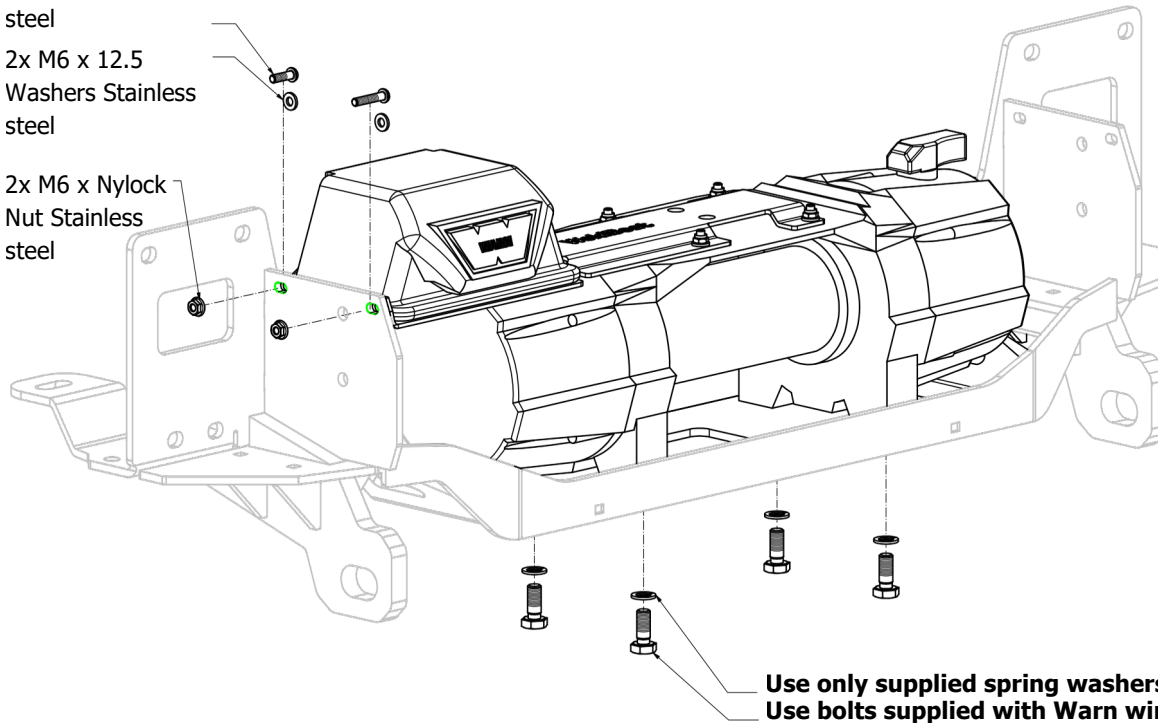
Installing Weldbeat control box bracket to the winch



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Installing Warn winch to the Weldbeat Recovery Cradle

- 2x M6 x 20 Button Head Bolts Stainless steel
- 2x M6 x 12.5 Washers Stainless steel
- 2x M6 x Nylock Nut Stainless steel



At this stage, connect the electrical cables to the control box.

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At this stage, connect the harness to all the sensors, and attach the two parking sensors to the bar. Leave the remaining sensors hanging on each side.



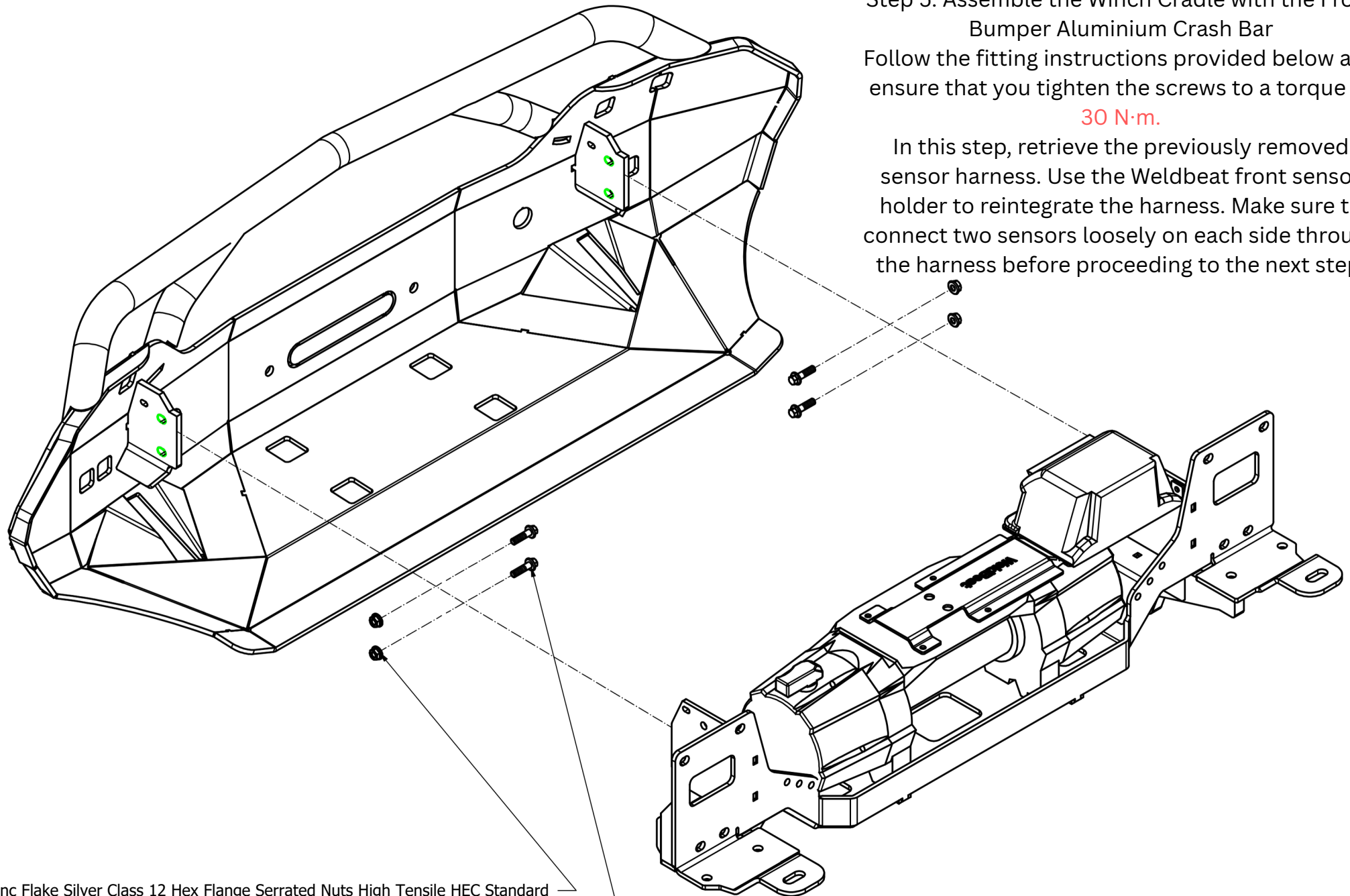
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Step 5: Assemble the Winch Cradle with the Front Bumper Aluminium Crash Bar

Follow the fitting instructions provided below and ensure that you tighten the screws to a torque of

30 N·m.

In this step, retrieve the previously removed sensor harness. Use the Weldbeat front sensor holder to reintegrate the harness. Make sure to connect two sensors loosely on each side through the harness before proceeding to the next step.



M8 Zinc Flake Silver Class 12 Hex Flange Serrated Nuts High Tensile HEC Standard

M8 x 30 Zinc Flake Silver Hex Flange D-Lok Bolts Class 12.9 High Tensile

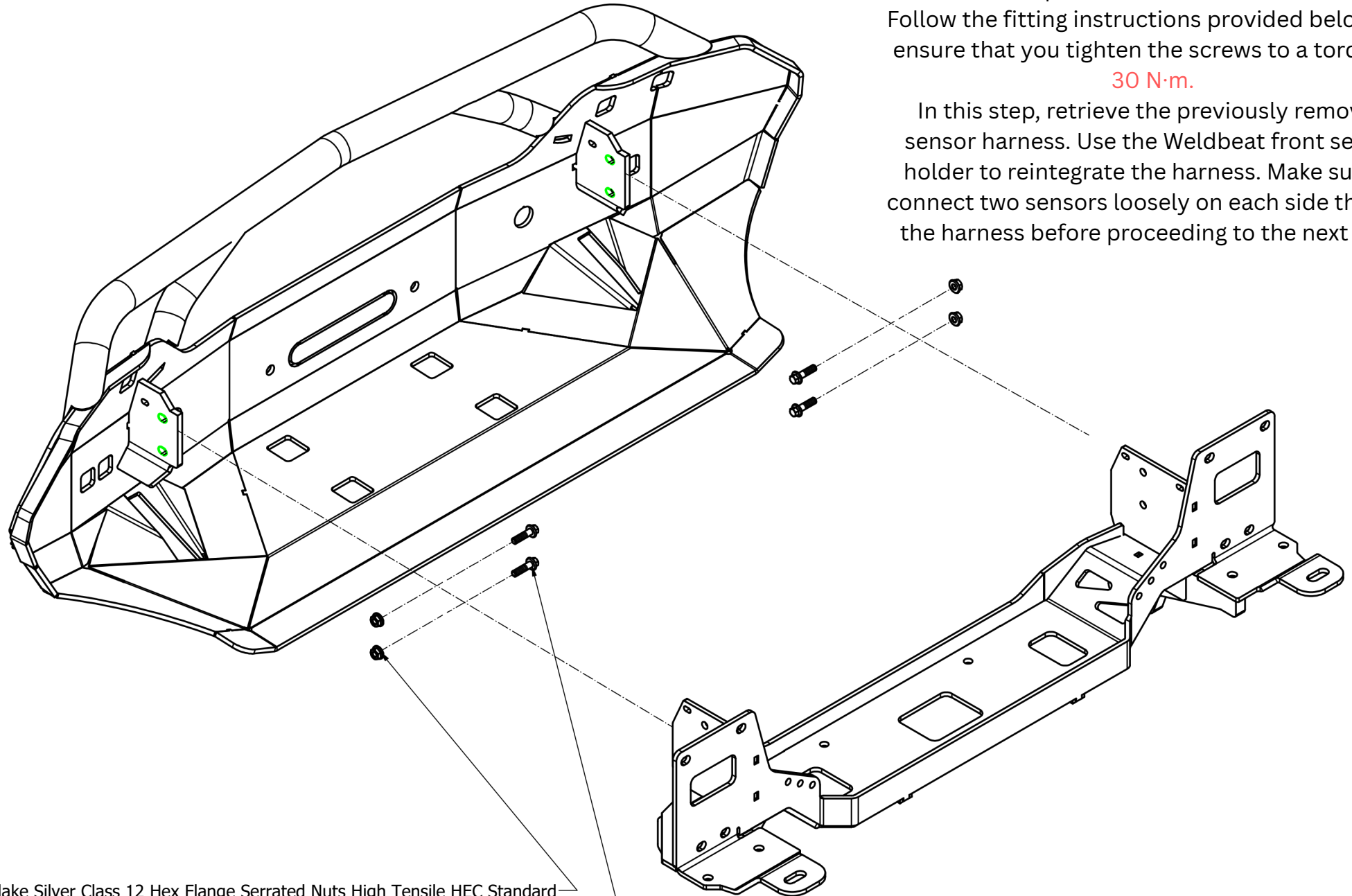
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Step 3: Assemble the Winch Cradle with the Front Bumper Aluminium Crash Bar

Follow the fitting instructions provided below and ensure that you tighten the screws to a torque of

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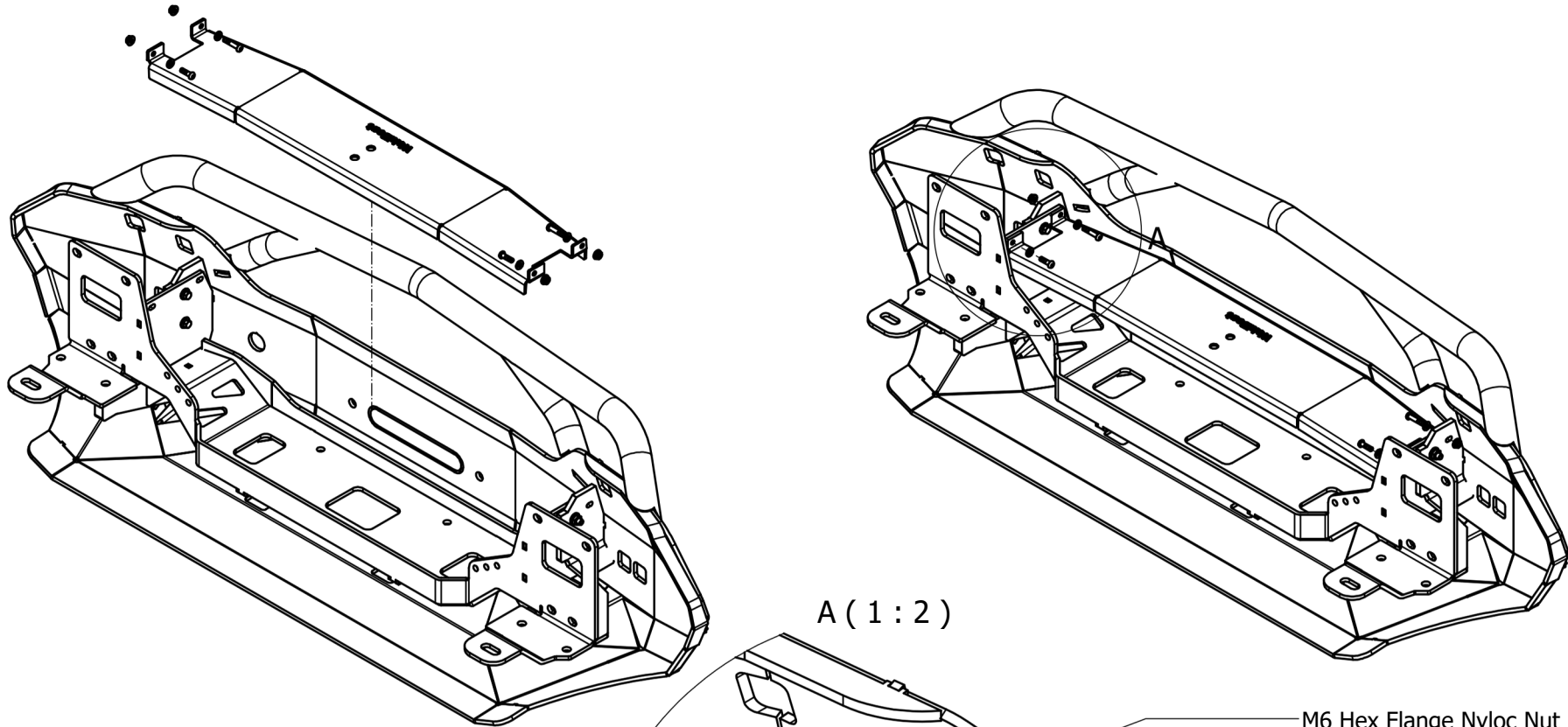
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M8 Zinc Flake Silver Class 12 Hex Flange Serrated Nuts High Tensile HEC Standard

M8 x 30 Zinc Flake Silver Hex Flange D-Lok Bolts Class 12.9 High Tensile

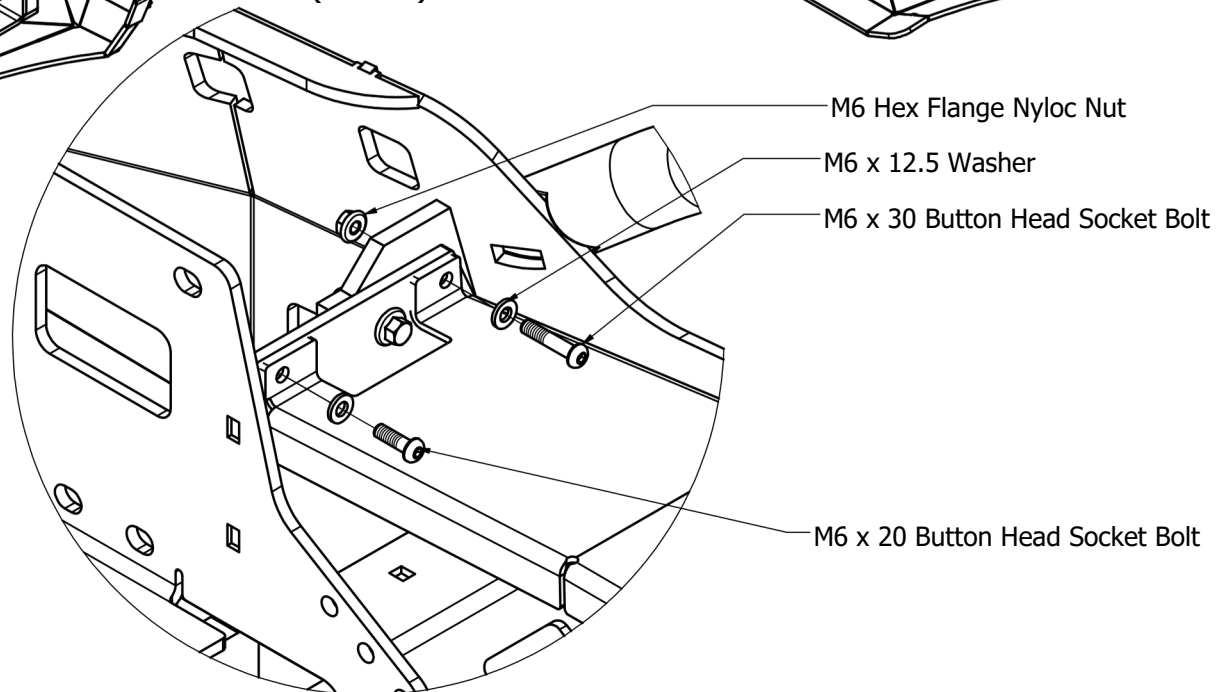
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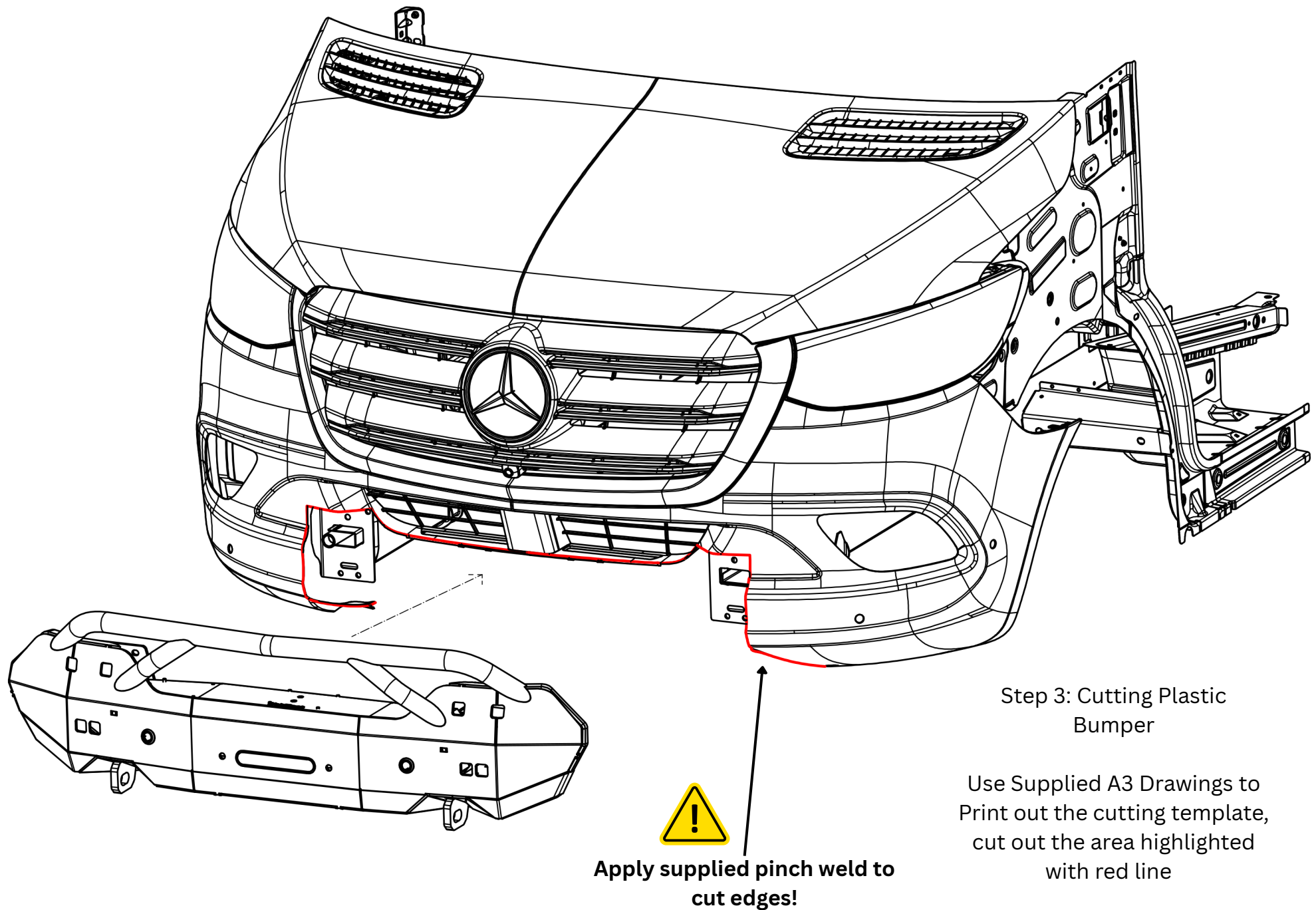
A (1 : 2)



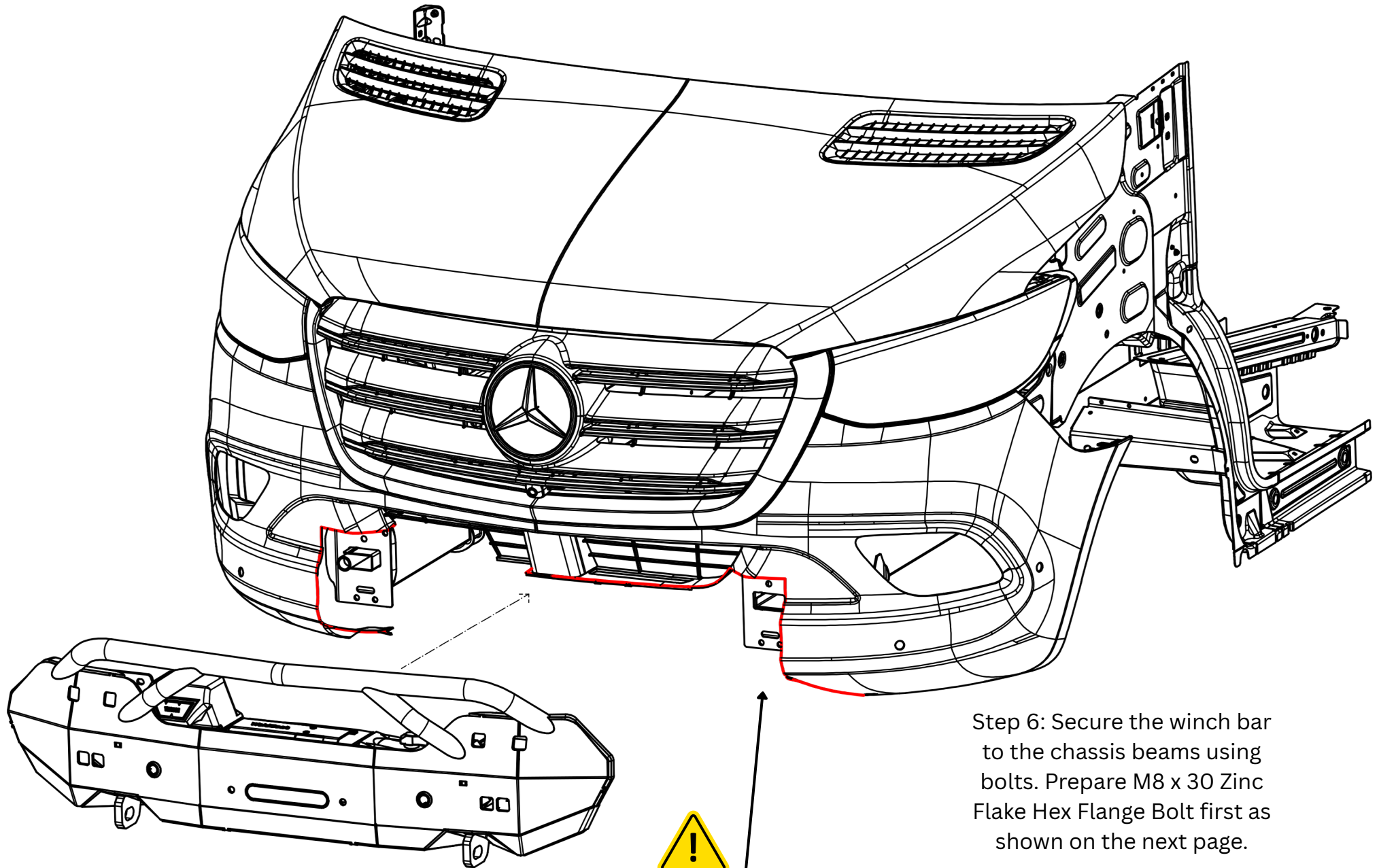
**For non-winch installations,
begin by attaching the
provided Weldbeat cover.**



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Step 6: Secure the winch bar to the chassis beams using bolts. Prepare M8 x 30 Zinc Flake Hex Flange Bolt first as shown on the next page.

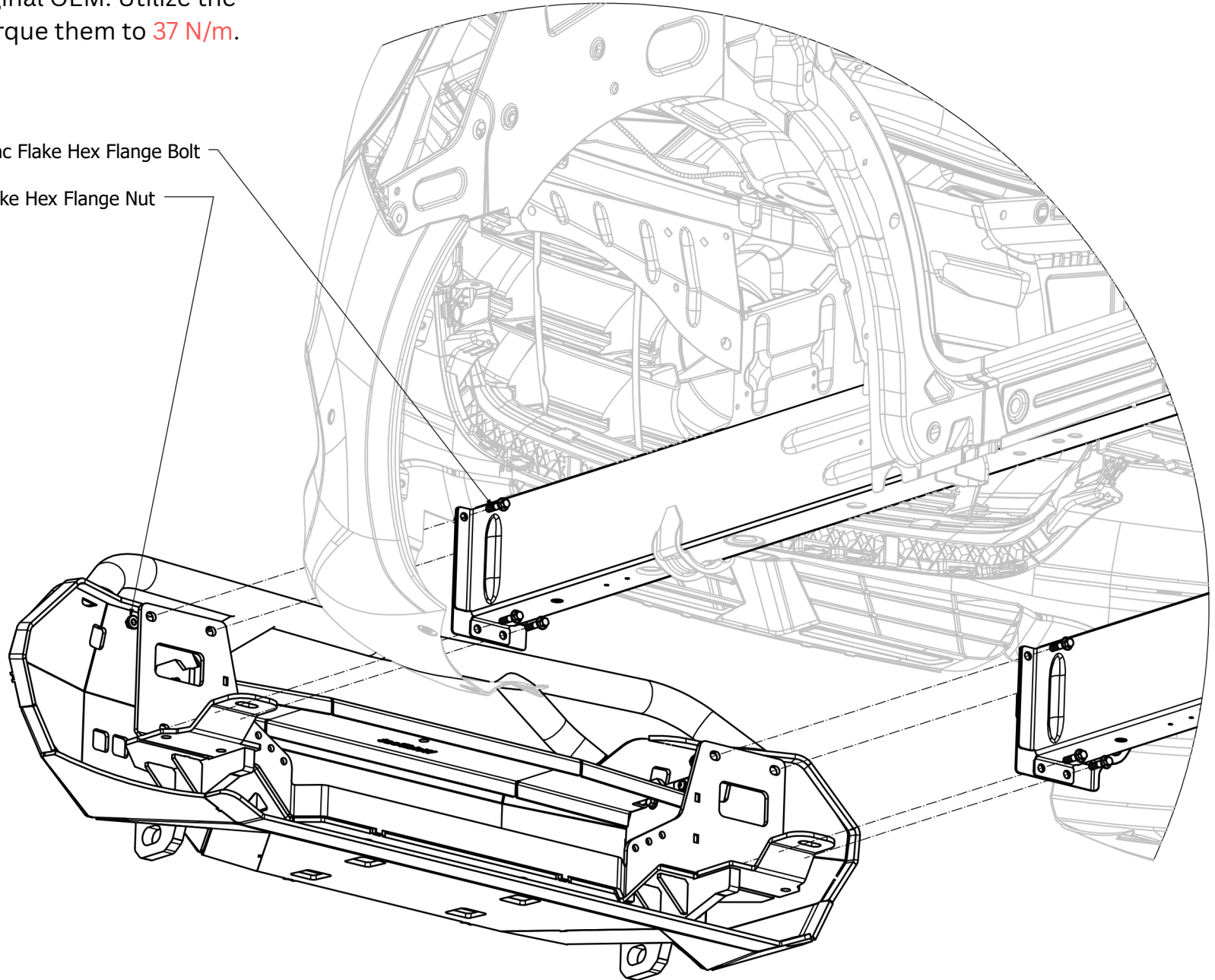
 Apply supplied pinch weld to cut edges!

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Step 6: Attach the Assembled Winch Bar to the chassis beams at the location of the original OEM. Utilize the fittings as outlined below and torque them to **37 N/m**.

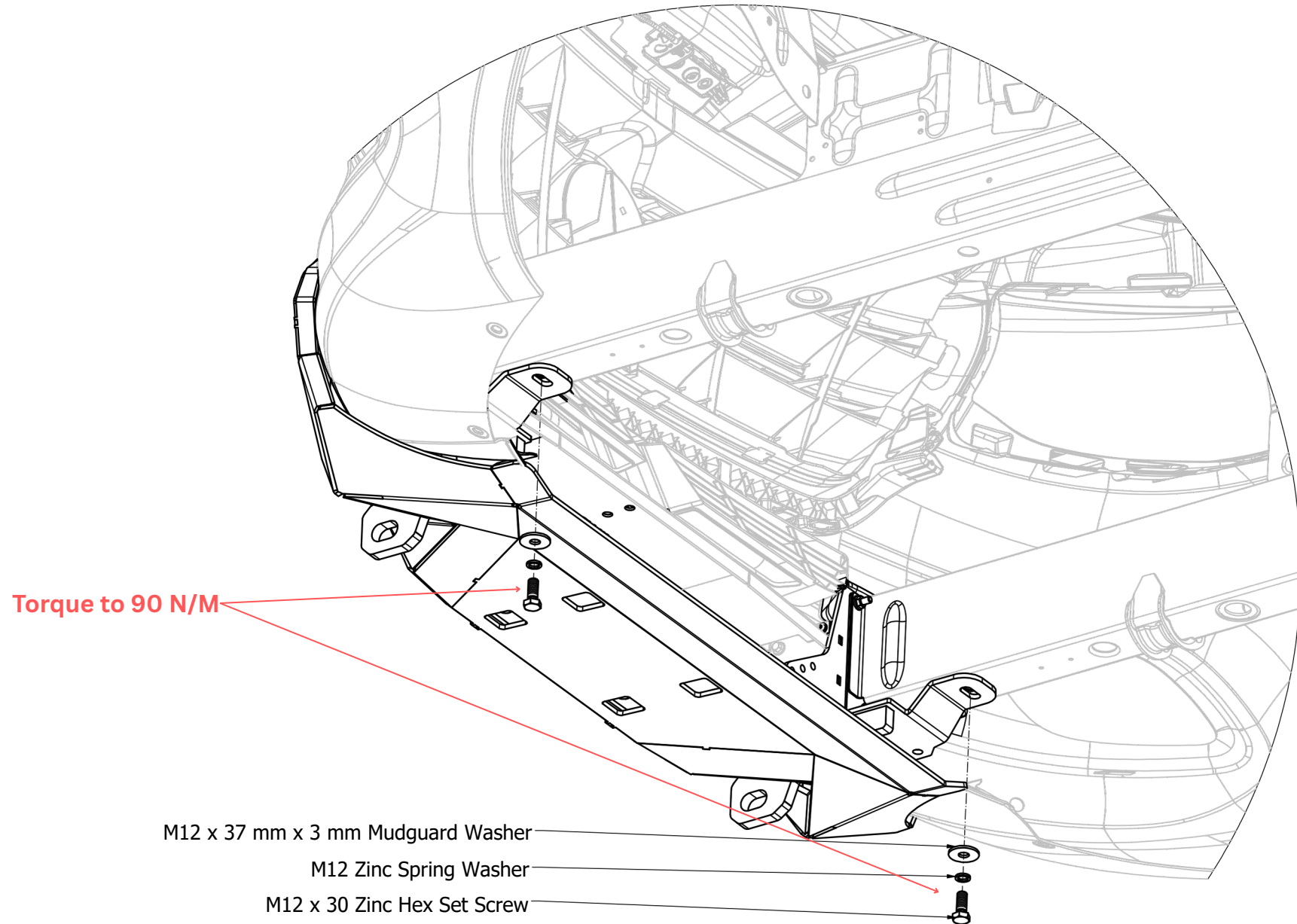
8x M8 x 30 Zinc Flake Hex Flange Bolt

8x M8 Zinc Flake Hex Flange Nut



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Step 6: Secure the bottom bolt on the beam and attach the counter plate from the top of the beam. For torque specifications, please refer to the details outlined below.



Regular Inspections:

- Routinely inspect your gear for any loose bolts and potential cracks. This is especially important after off-road travel or driving on corrugated roads. Regular checks will help ensure the safety and longevity of the equipment.

Post-Installation Check:

- After the first 100 kilometers of travel, check all bolts and tighten them if necessary. This initial check is crucial as new installations may settle or shift slightly during the first use.

Adhering to these maintenance and safety guidelines will help ensure the safe and effective use of your product.

*Weldbeat is the manufacturer, we specialise in the production of high-quality exterior automotive gear. However, we assume no liability for the installation of our products. Customers who choose to install these products themselves bear full responsibility for the installation process, including ensuring proper fitment and adherence to safety standards. Additionally, it is the obligation of the vehicle owner to be fully informed and compliant with all relevant vehicle legislation, road laws, and safety requirements pertinent to their jurisdiction before installing any external gear on their vehicle. Customers are also responsible for verifying with their car manufacturer the fitment of rear door gear and the weight limits of their vehicle. Our company is not liable for any non-compliance with such laws or for any consequences resulting from the improper installation or use of our products.



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Installation support line: 0416
401 785

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