TCC LC 100 REAR BAR (INCORPORATED TOWBAR)

TECHNICAL DATA SHEET & FITTING INSTRUCTIONS

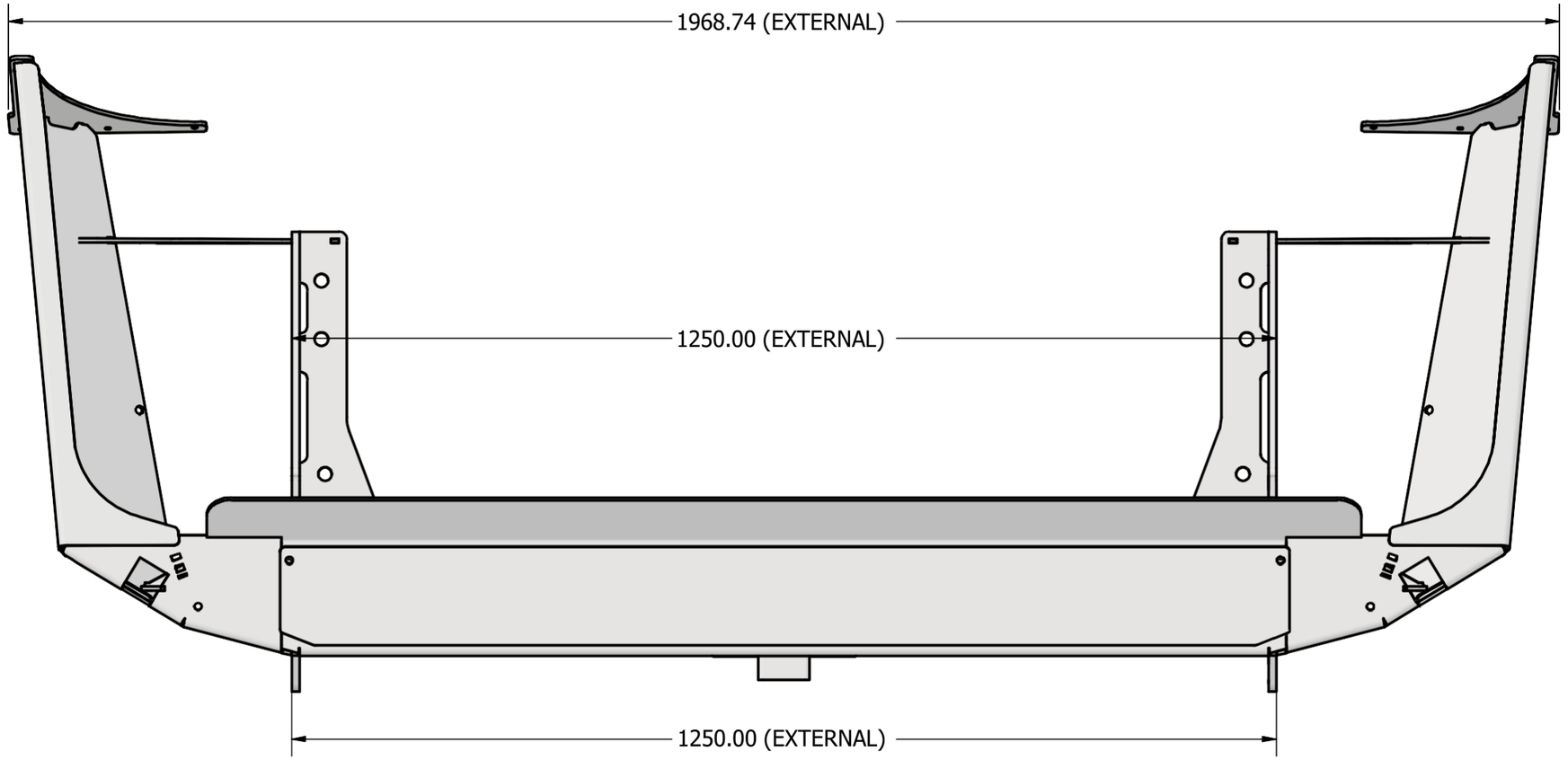
*** BAR BASE ONLY - JERRY HOLDER, CARRIER ARM, LATCH & TYRE UPRIGHT INSTRUCTIONS FOUND AT: www.thecruisercompany.com.au**

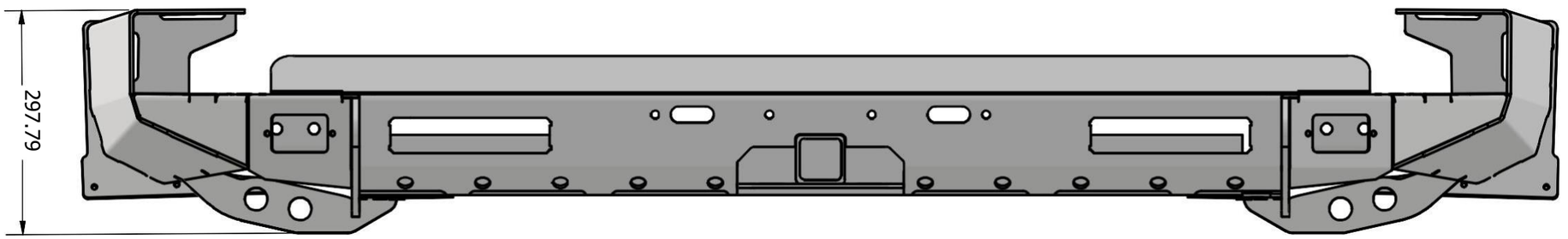


AUSTRALIAN MADE

GENERAL DIMENSIONS

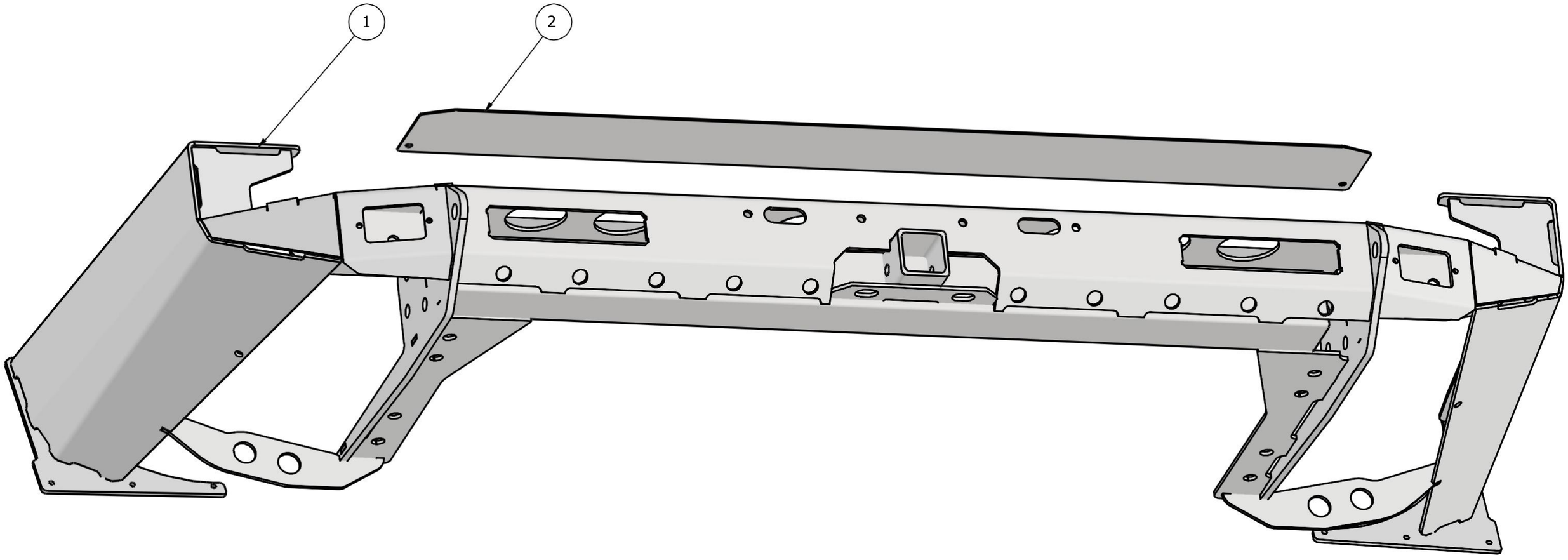
ALL UNITS IN MM
EXTERNAL / INTERNAL REFERS TO START & END POINTS FOR MEASUREMENT





BAR BASE ASSEMBLY

PARTS LIST		
ITEM	QTY	PART NAME
1	1	100 REAR BAR BASE
2	1	TREAD PLATE



1. PREPARING FOR INSTALL

TOOLS REQUIRED

NOT INCLUDED

SIKAFLEX
ALLEN KEY SET
SPANNER SET (UP TO 22MM)
SOCKET SET (UP TO 22MM)
SHIFTER
PINCHWELD
12V WIRING EQUIPMENT (SOLDERING IRON ETC)
5 CORE TRAILER WIRE (APPROX. 2 METERS)
LOCTITE
BEARING GREASE
BASIC CLIP REMOVAL TOOLS
OSCILLATING MULTITOOL
SIKAFLEX OR SIMILAR

VEHICLE SPECIFIC MOUNTING HARDWARE

HARDWARE	QTY	POSITION
M8 BUTTON HEAD BOLTS	2	TREAD PLATE
M8 NUT	2	TREAD PLATE
M8 WASHER	4	TREAD PLATE
M10 x 1.5 x 50mm BOLTS	8	CHASSIS (SIDE)
M10 WASHERS	8	CHASSIS (SIDE)
M12 WASHERS	8	CHASSIS (UNDERSIDE)
M12 x 1.25 x 50mm BOLTS	8	CHASSIS (UNDERSIDE)

WARNING! ONLY USE HARDWARE SUPPLIED.

Using aftermarket hardware my void warranty and damage vehicle. The Cruiser Company (TCC) will not be held liable for any damage the occurs as a result of incorrect fitting and/or hardware.

Please follow bolt grade and thread pitch requirements as shown in '*Vehicle Specific Mounting Hardware*' table above if replacing hardware lost during install. Please use Loctite on all fasterners.

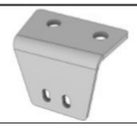


1. PREPARING FOR INSTALL

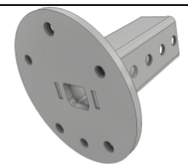
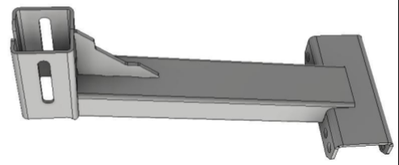
BAR BASE - DETAILED IN ASSEMBLY VIEW (PAGE 3)

QTY	PART NAME	PART IMAGE	PACKED (OFFICE USE ONLY)
2	ROADVISION TAIL LIGHTS		
2	ROADVISION REVERSE LIGHTS		

CARRIER ARMS

QTY	PART NAME	PART IMAGE	PACKED (OFFICE USE ONLY)
1	DRIVERS SIDE CARRIER ARM		
1	PASSENGER SIDE CARRIER ARM		
2	LATCH DROP DOWNS		

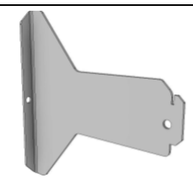
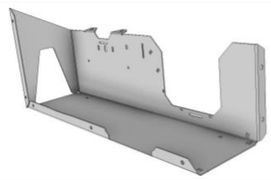
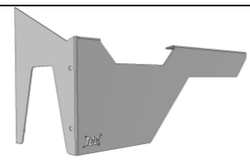
TYRE CARRIER

QTY	PART NAME	PART IMAGE	PACKED (OFFICE USE ONLY)
1	TYRE HEAD		
1	TYRE UPRIGHT		

ACCESSORIES INCLUDED IN BOX

WHEN ORDERED IN A STANDARD CONFIGURATION

JERRY HOLDER

QTY	PART NAME	PART IMAGE	PACKED (OFFICE USE ONLY)
1	UNIVERSAL SHELF BASE		
1	JERRY DIVIDER		
2	JERRY LOWER GUSSETS		
1	JERRY INTERNAL		
1	JERRY FRONT COVER		

HARDWARE KITS

QTY	PART NAME	PART IMAGE
1	VEHICLE SPECIFIC MOUNTING KIT	REF QTYS ON BAG LABEL
1	TYRE CARRIER BOLT BAG	REF QTYS ON BAG LABEL
1	JERRY HOLDER BOLT BAG	REF QTYS ON BAG LABEL
1	CARRIER ARM (PAIR) BOLT BAG	REF QTYS ON BAG LABEL
1	LATCH KIT (PAIR)	REF QTYS ON BAG LABEL
1	TREAD PLATE BOLT BAG	REF QTYS ON BAG LABEL
1	BEARING KIT (PAIR)	REF QTYS ON BAG LABEL

*Note: Roadmaster Combination Led Lamps wire color codes:
Ground - White
Stop - Red
Tail - Brown
Indicator - Green or Yellow

2. REMOVE FACTORY REAR BUMPER

** **TIP ** If you are having difficulty removing the bumper, there are many videos on Youtube that can help. Below is a simple step by step of the process:**

2.1. Remove 4 x bolts on the underside of the factory rear bumper**.**

2.2 Remove 3 x bolts holding mudflap in place (each side)**.**

2.3 With the aid of a second person, pop the bumper free from the body and place it in a safe location**.**

3. GENERAL CARE INSTRUCTIONS

PLEASE NOTE THAT THIS PRODUCT REQUIRES A LEVEL OF PROFESSIONAL FITTING ABILITY. INEXPERIENCED FITTERS MAY FIND THIS TO BE A DIFFICULT TASK.

To ensure your product is properly cared for and lasts as expected, please consider the following:

- Ensure all components are properly adjusted during install so that they all align with one another.

- Check bolts after 1000km, then regularly every 10,000km.

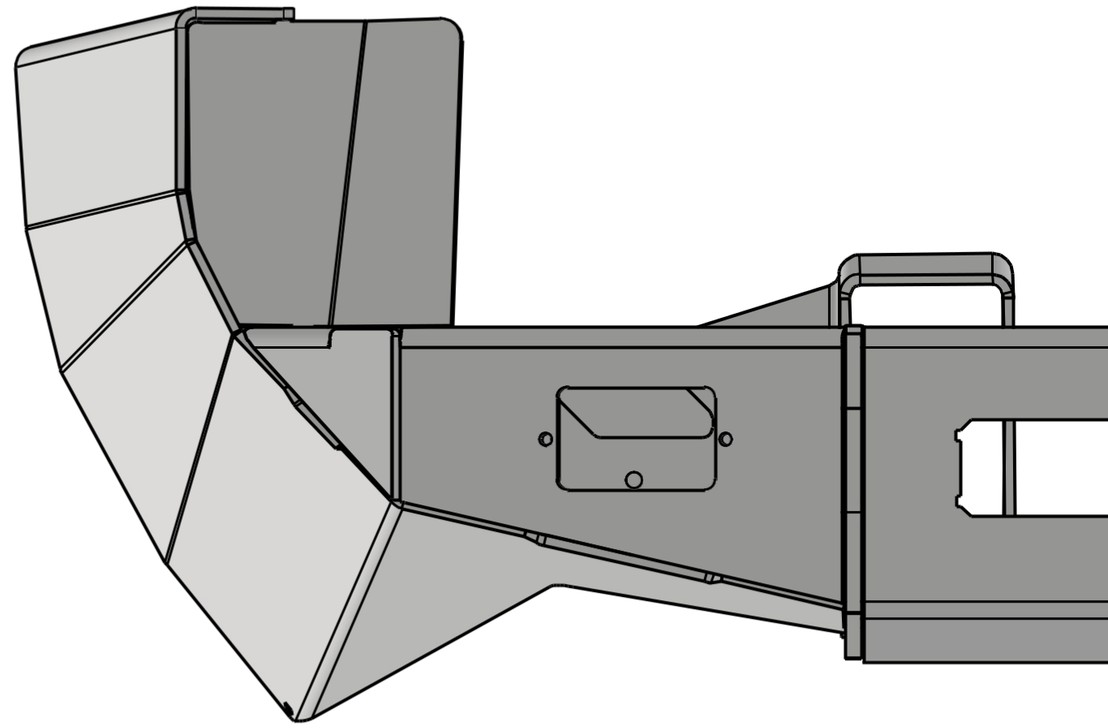
- Keep external joins and moving components properly protected with a lubricant such as Lanolin.

- Use a high quality grease and pack bearing sleeve full.

- Do not expose the product to salt water or salty conditions.

- Do not wash the product with any harsh chemicals.

- Do not over load product or use it for any purpose that it is not intended for.



4. PREPARE CROSSMEMBER DELETE

4.1. The chassis at the rear of the car should be exposed as shown in **FIGURE 2.A** before progressing.



FIGURE 2.A (100 SERIES SHOWN FOR REFERENCE ONLY)

4.2. Identify factory welds joining the rear crossmember to the frame (**FIGURE 2.B & 2.C**). **Note that only the welds are to be cut for the fitment of this rear bar. DO NOT CUT OR GRIND CHASSIS RAILS**

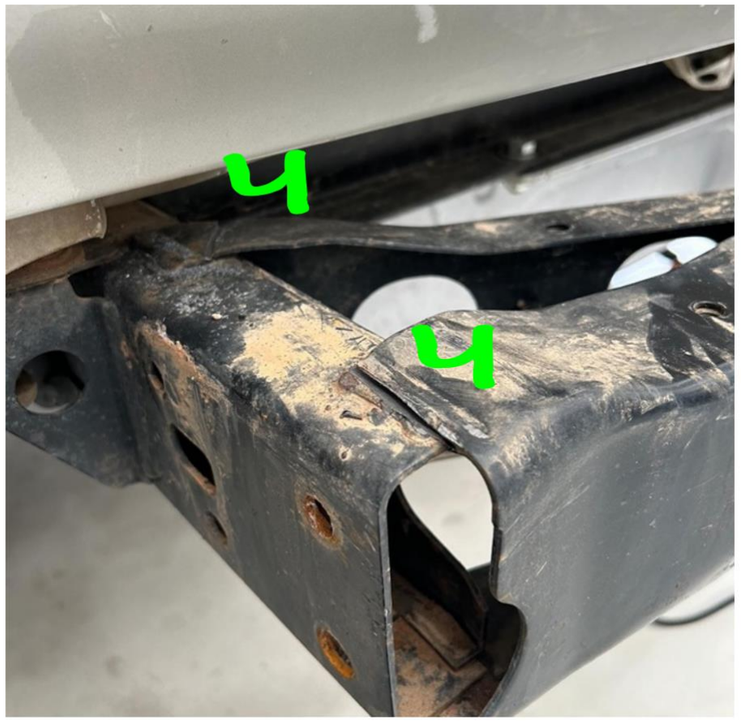


FIGURE 2.B

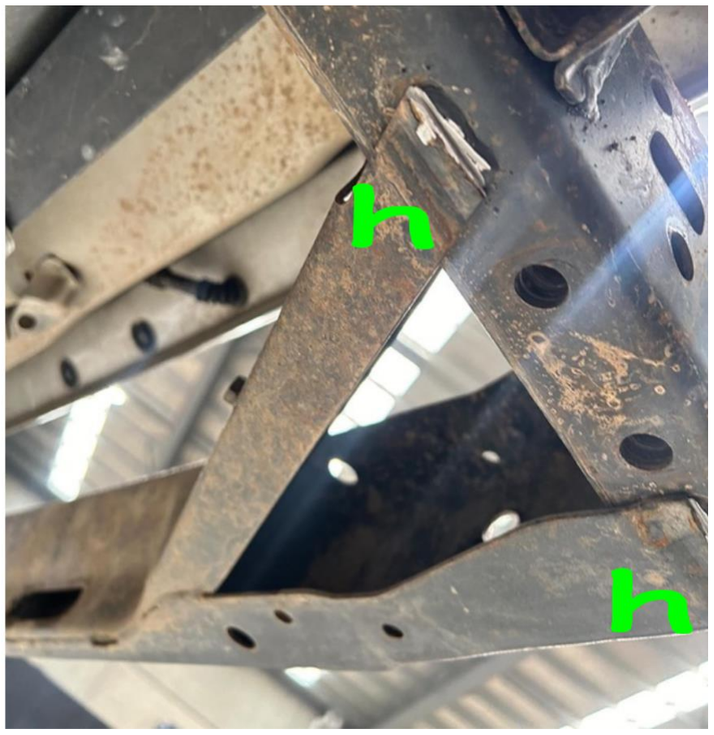
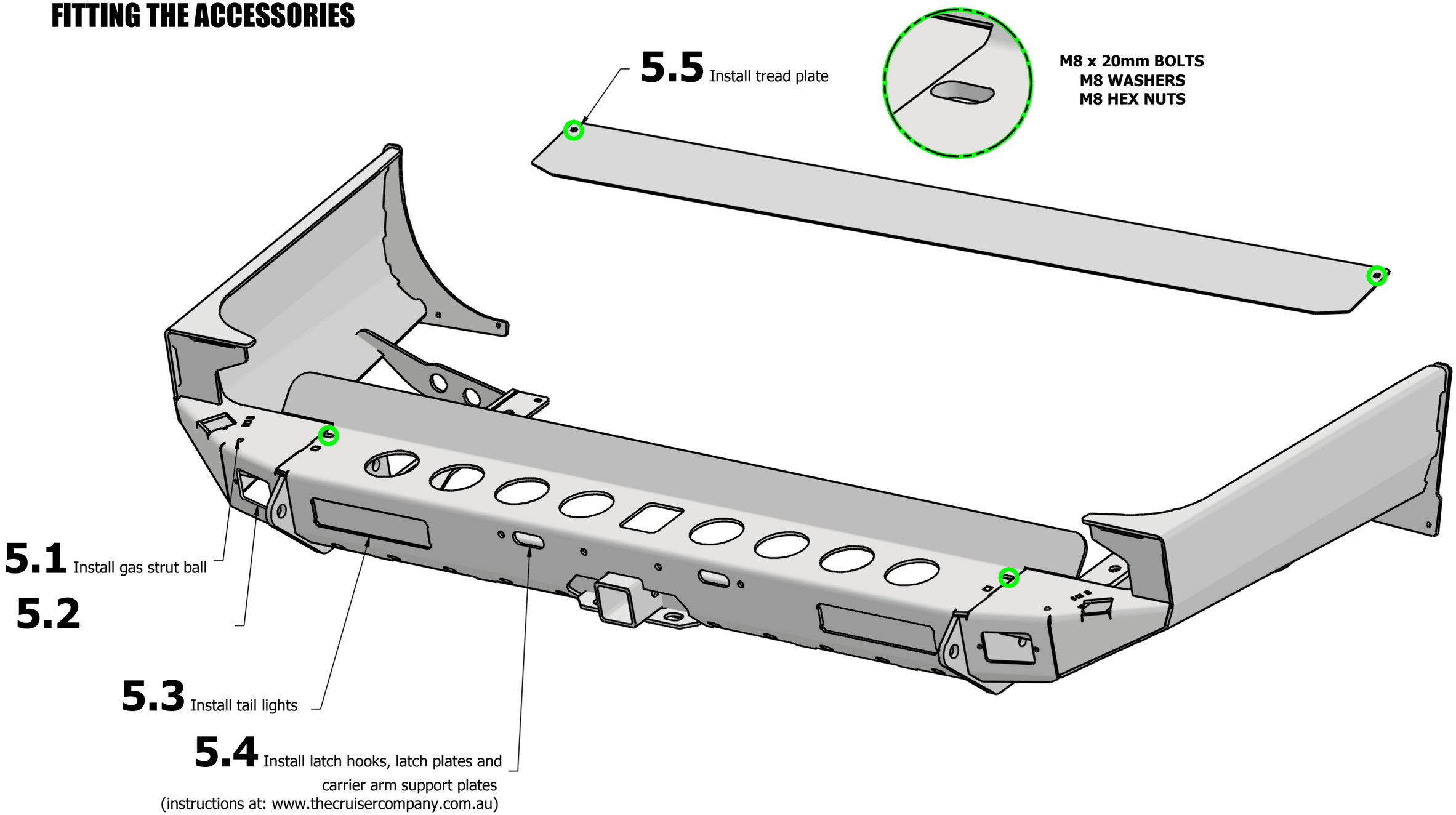


FIGURE 2.C

5. REAR BAR INSTALL

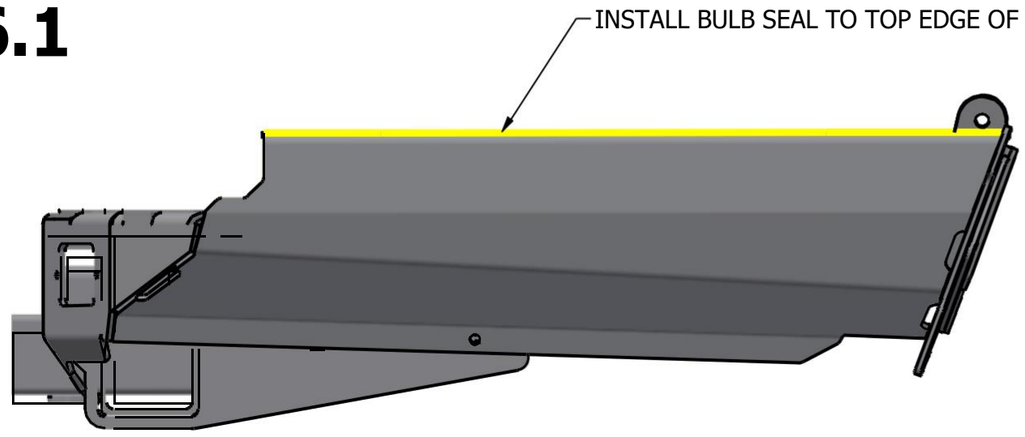
FITTING THE ACCESSORIES



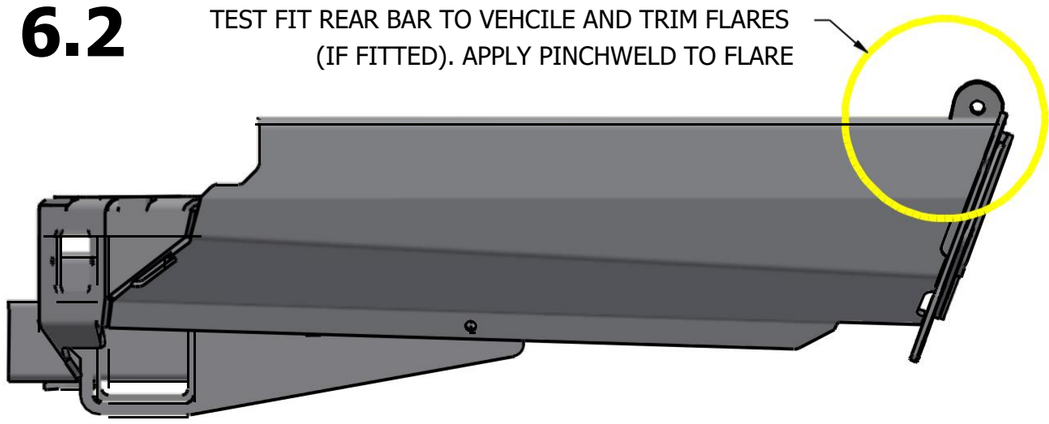
6. REAR BAR INSTALL

PREPARING FOR FITMENT TO THE VEHICLE

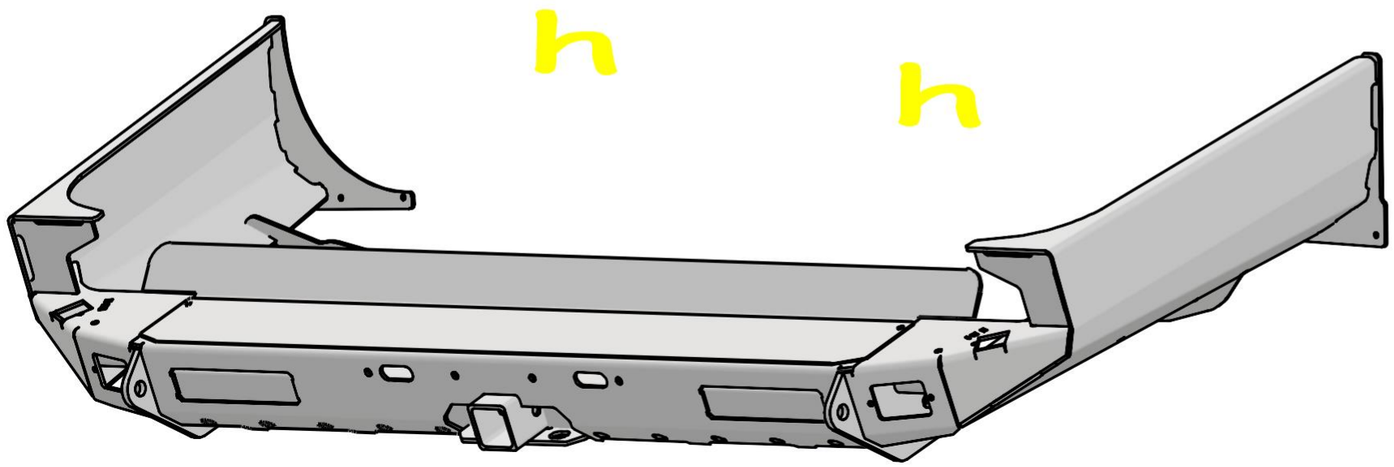
6.1



6.2



6.3 LIFT BAR ONTO VEHICLE

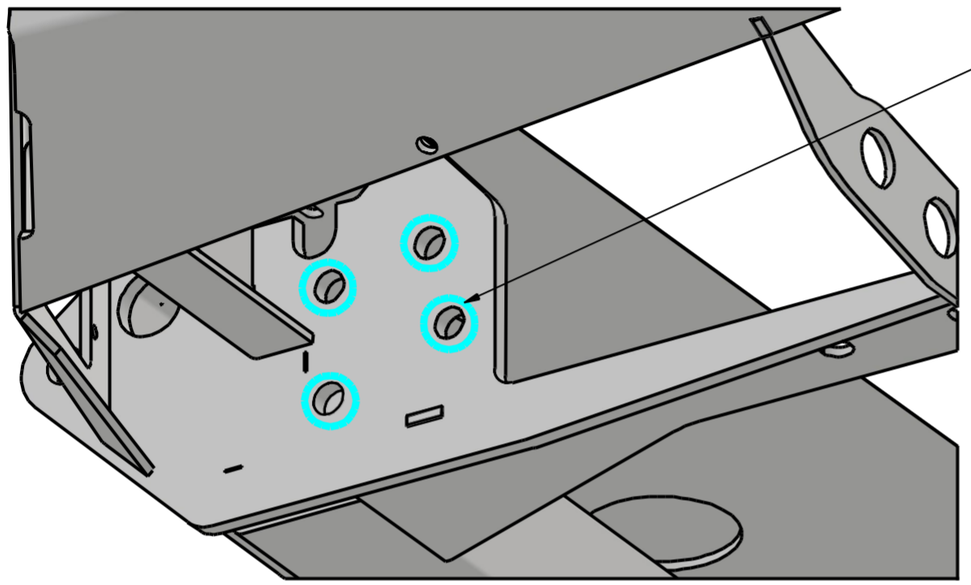


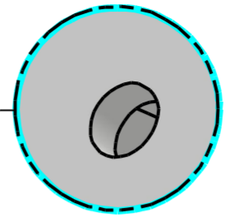


7. REAR BAR INSTALL

FITTING TO THE VEHICLE

7.1





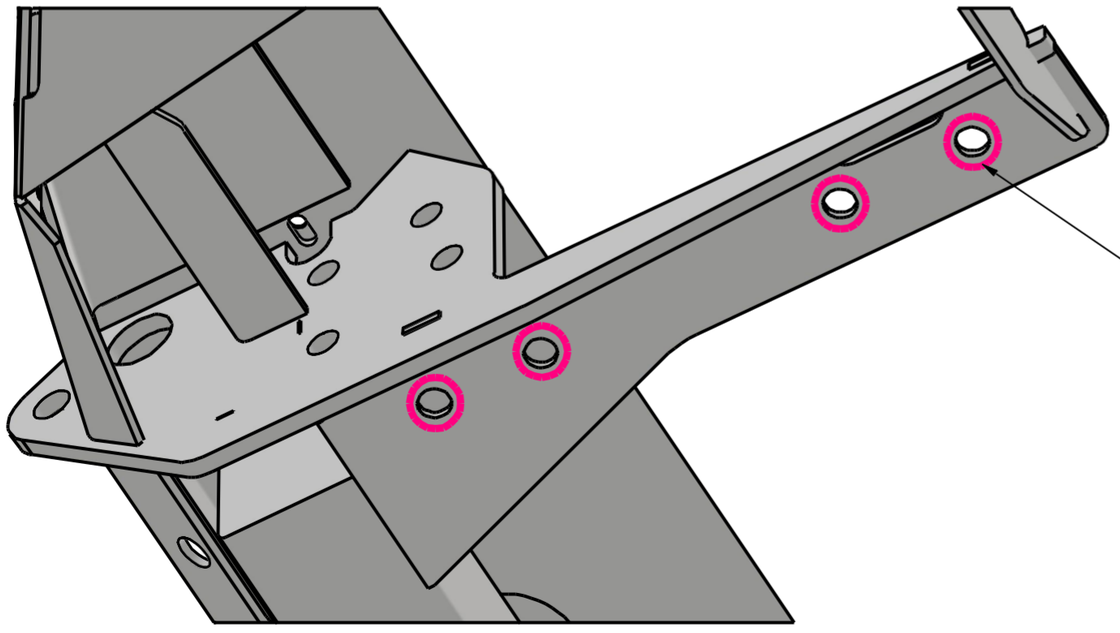
M10 x 1.5 x 50mm BOLTS
INTO CAPTIVE NUTS
M10 WASHERS

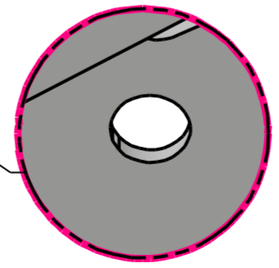
(IF CAPTIVE NUTS HAVE BEEN REMOVED - USE M10 HEX NUT AND M10 WASHER - NOT PROVIDED)

MOUNTING BOLT TORQUE SPEC		
TORQUE SETTING (NM)	BOLT TYPE	LOCATION
30	M10 x 50mm	CHASSIS (SIDE)
50	M12 x 50mm	CHASSIS (UNDERNEATH)

**** TIP ** Leave bolts loose until all bolts installed. Ensure bar is paralell to body lines on vehicle before tightening.**

7.2





M12 x 1.25 (FINE THREAD) BOLTS
INTO CAPTIVE NUTS
M12 WASHERS

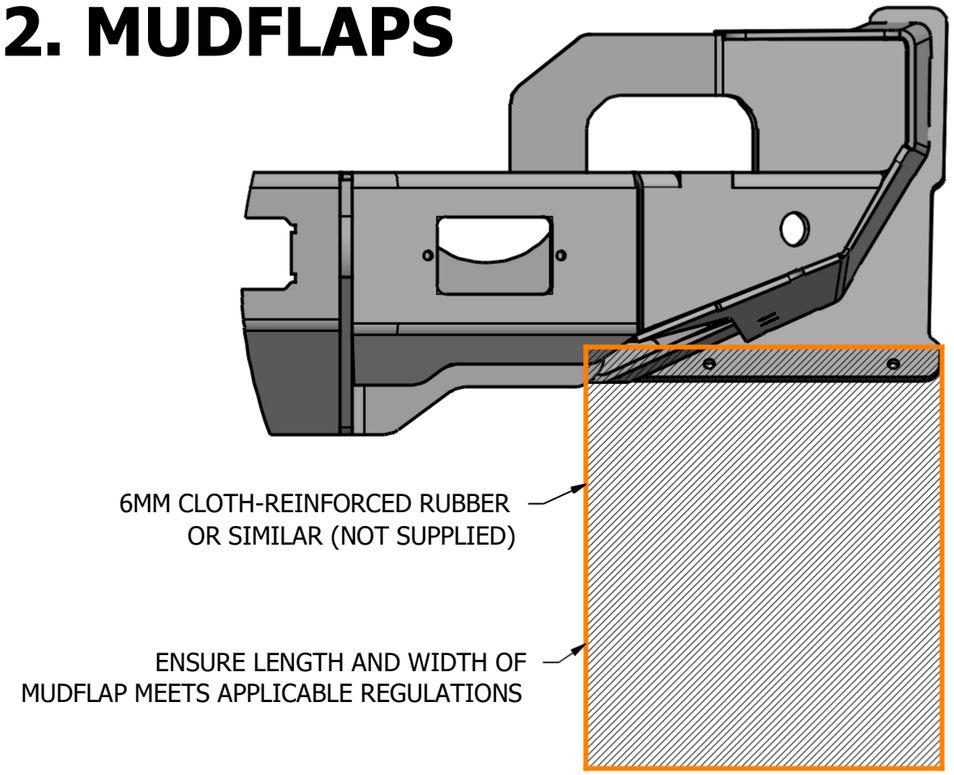
(IF CAPTIVE NUTS HAVE BEEN REMOVED - USE M12 HEX NUT AND M12 WASHER - NOT PROVIDED)

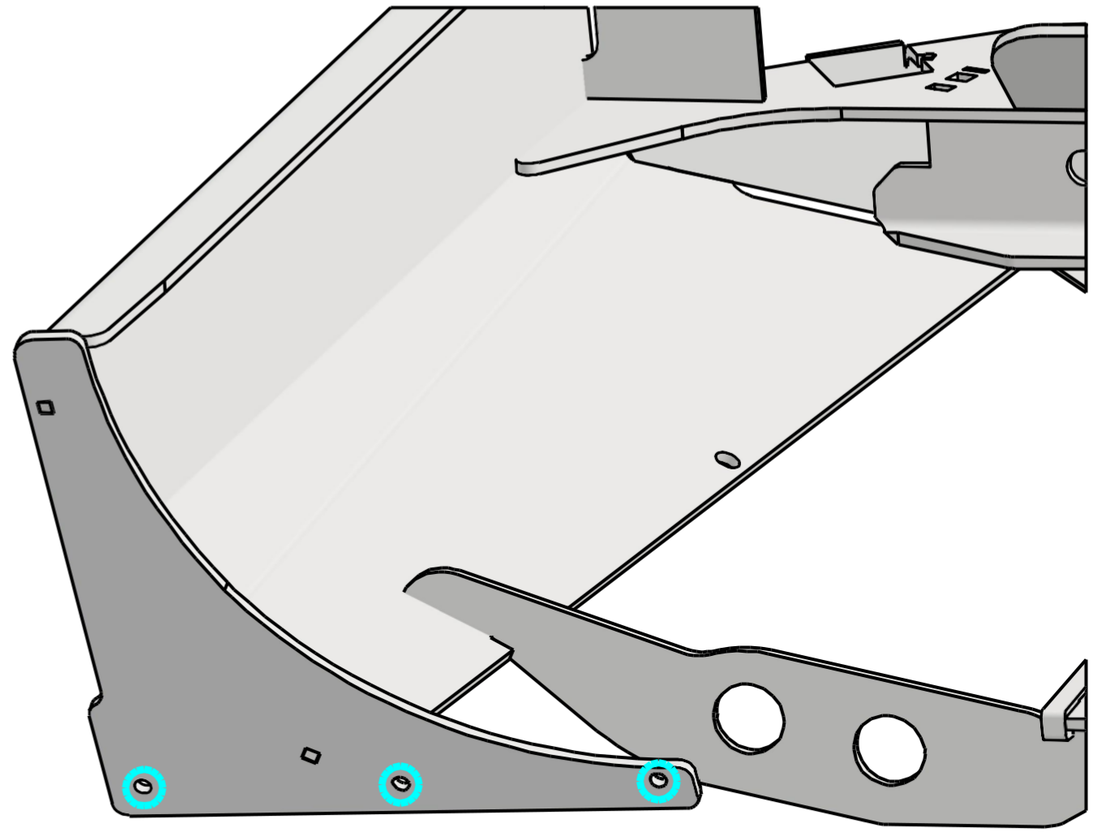
8. REAR BAR INSTALL

FINAL STEPS

8.1. Wiring for the lights can be tapped into the trailer plug. If unsure how to wire lights please seek an automotive professional.

8.2. MUDFLAPS





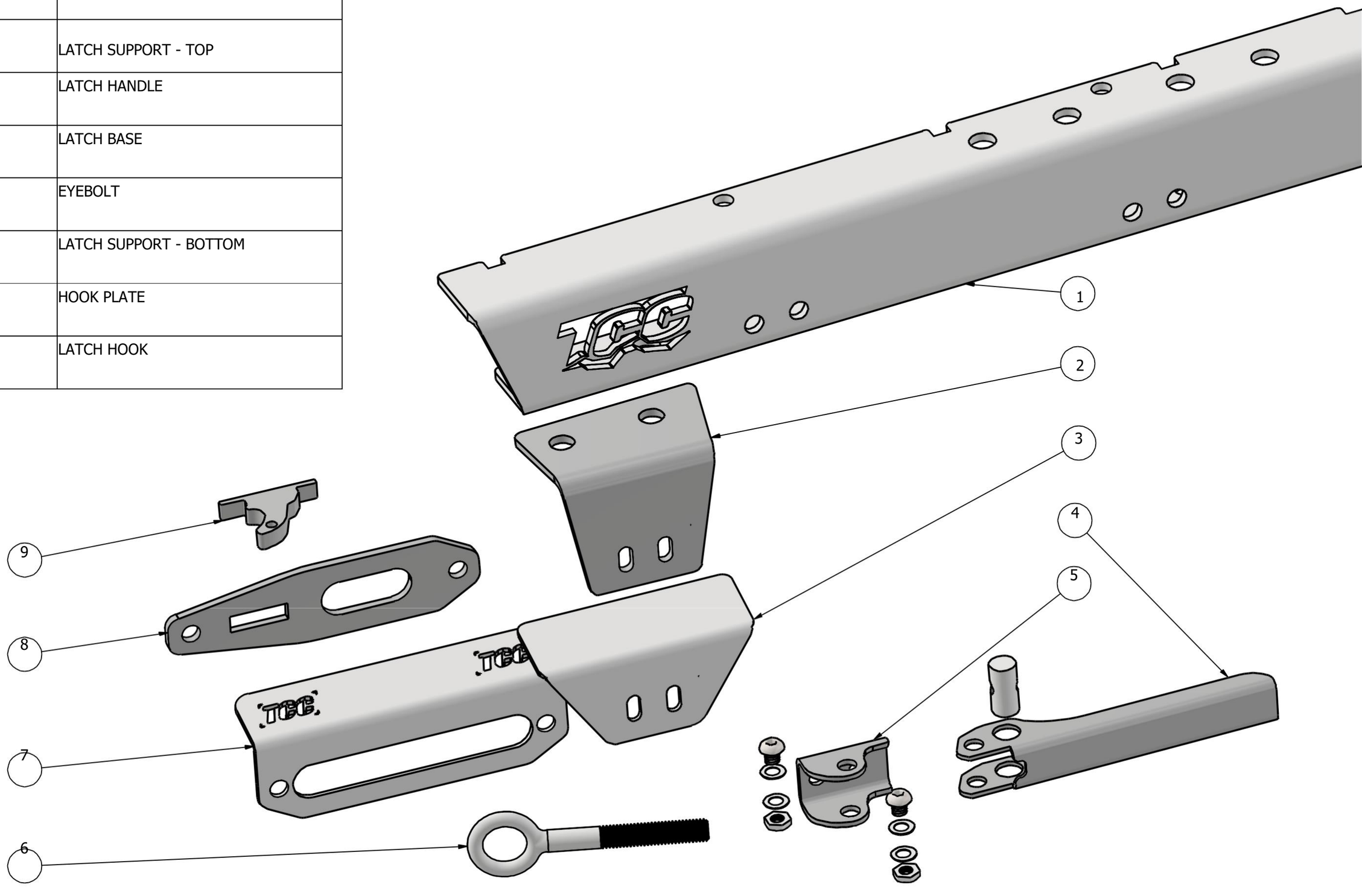
AFFIX MUDFLAPS TO HOLES MARKED BLUE
(HARDWARE NOT INCLUDED)

JERRY HOLDER, CARRIER ARM, LATCH & TYRE UPRIGHT INSTRUCTIONS FOUND AT:
www.thecruisercompany.com.au

TCC LATCH ASSEMBLY

ASSEMBLY INSTRUCTIONS

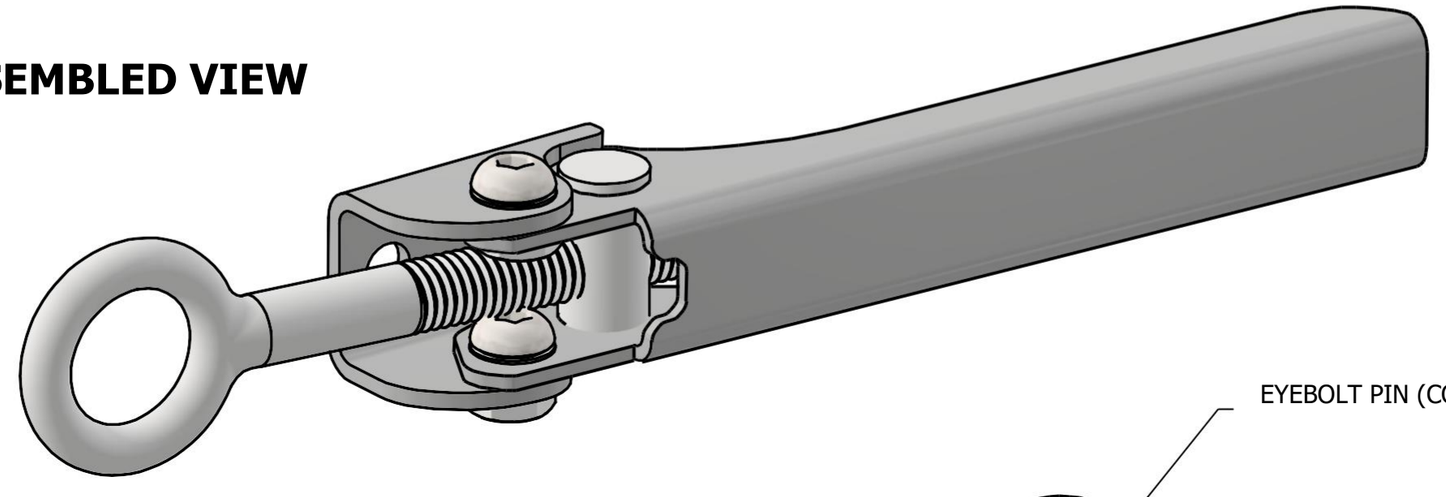
TABLE		
ITEM	QTY	ITEM NAME
1	1	TCC CARRIER ARM
2	1	LATCH DROP DOWN
3	1	LATCH SUPPORT - TOP
4	1	LATCH HANDLE
5	1	LATCH BASE
6	1	EYEBOLT
7	1	LATCH SUPPORT - BOTTOM
8	1	HOOK PLATE
9	1	LATCH HOOK



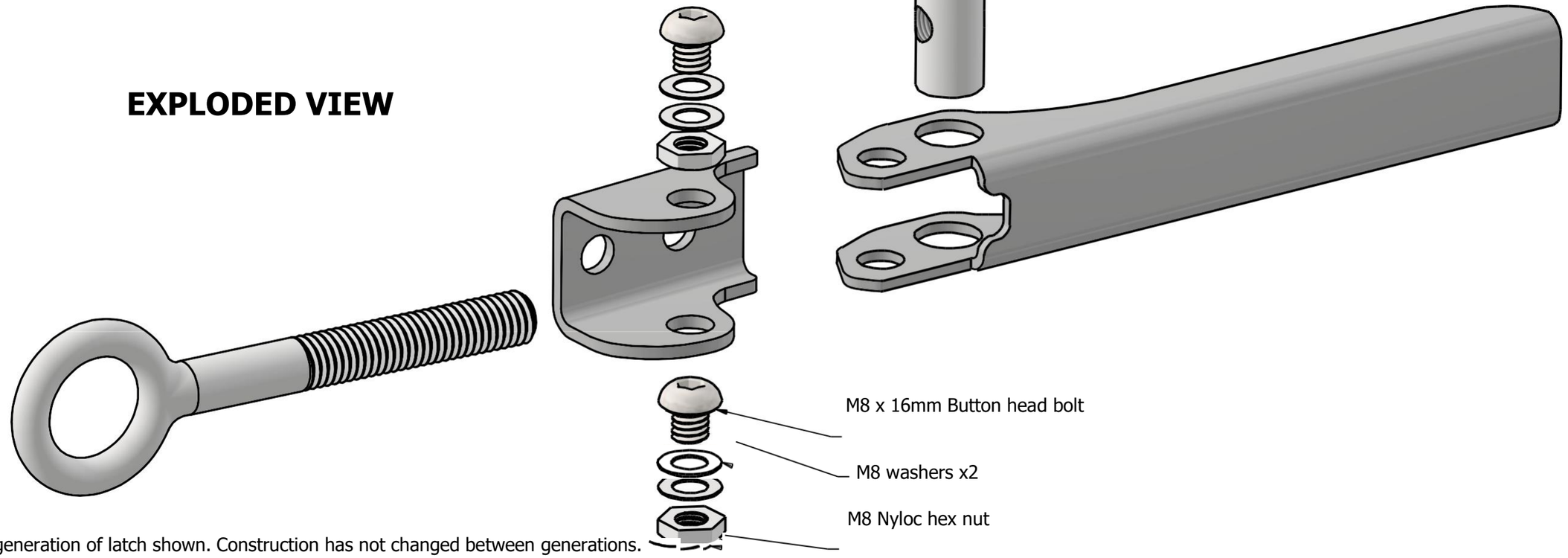
1. LATCH ASSEMBLY

1.1 Your latches will arrive pre-assembled. The diagram below shows how the latches are constructed in the rare event that they require reassembly. Please use Loctite on all fasteners if reassembling.

ASSEMBLED VIEW



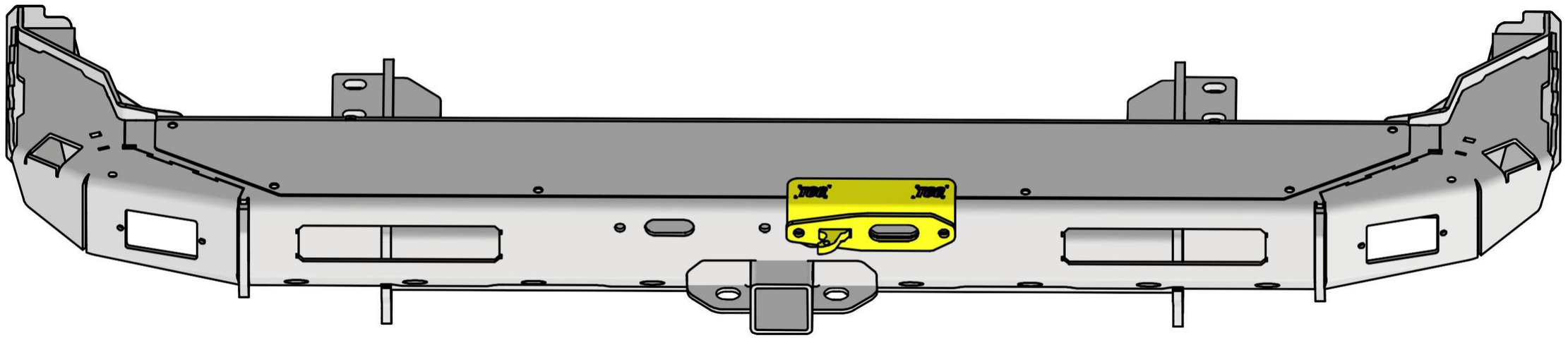
EXPLODED VIEW



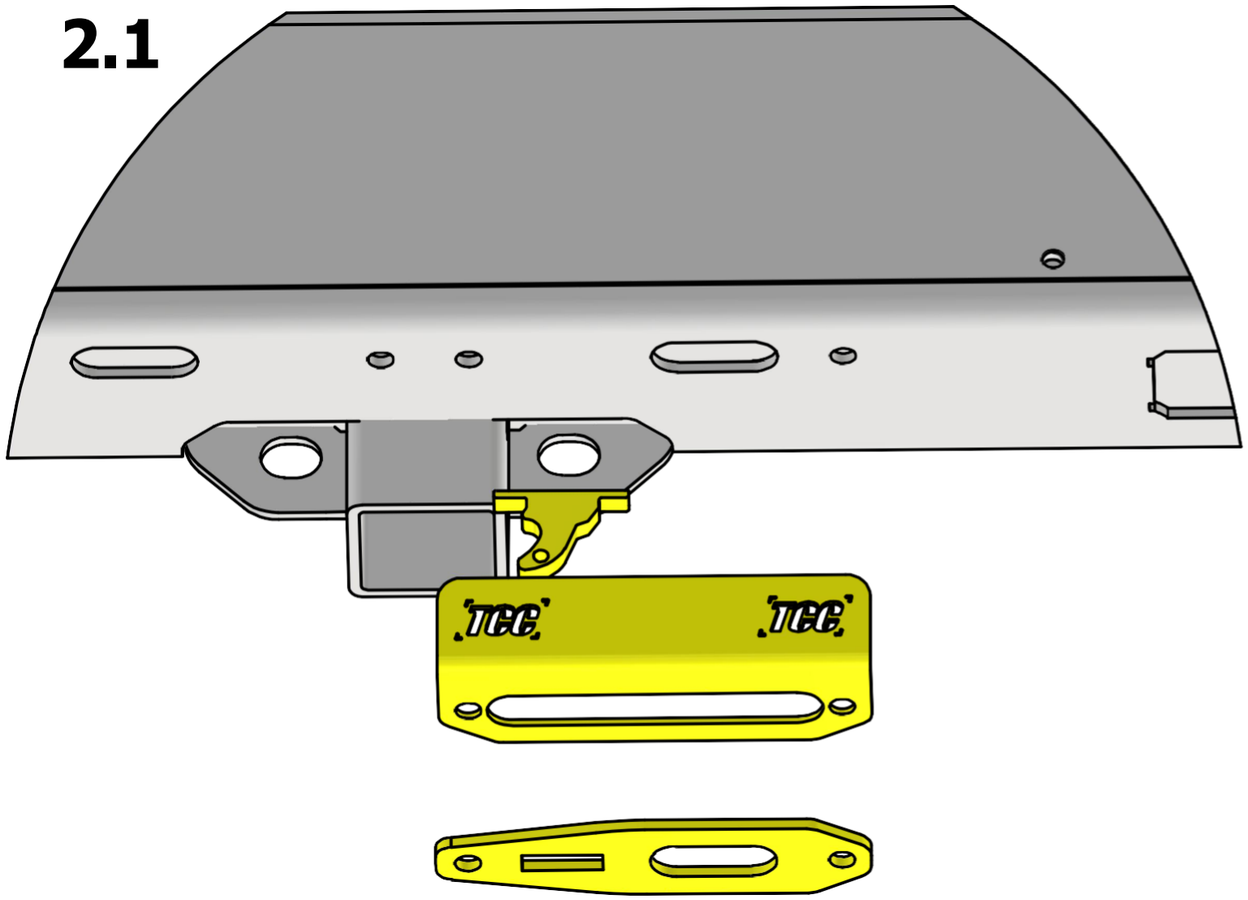
please note: previous generation of latch shown. Construction has not changed between generations.

2. JOINING LATCH TO REAR BAR

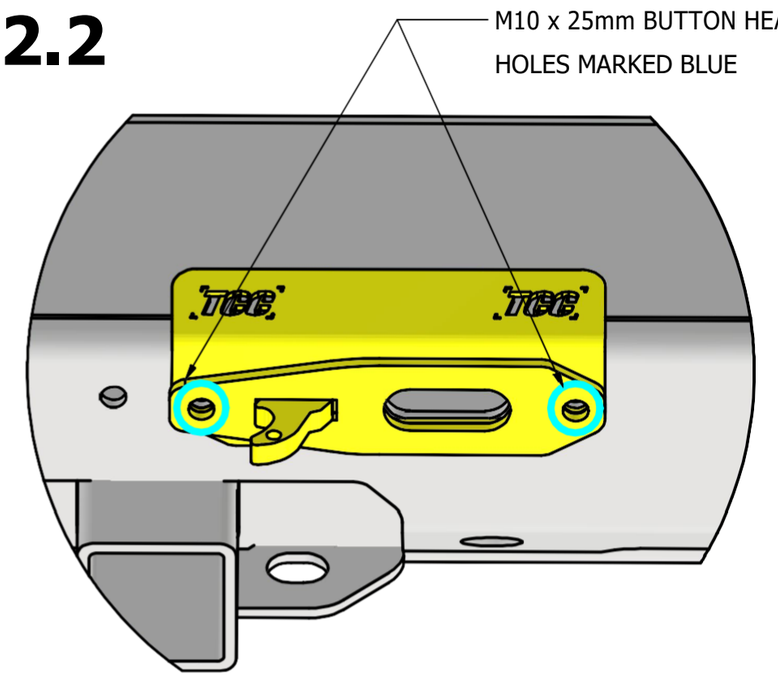
BAR BASE



2.1



2.2



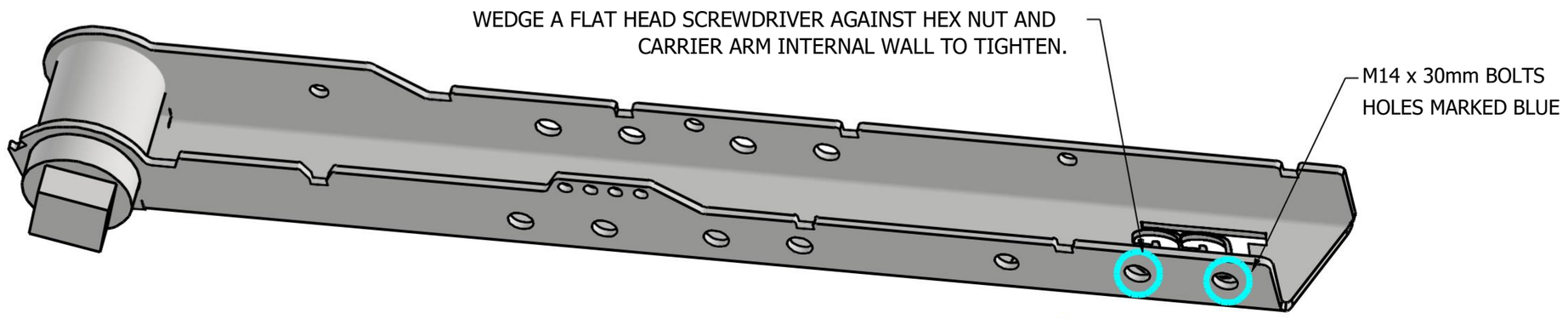
NOTE ORIENTATION OF ALL PARTS SHOWN

3. JOINING LATCH TO REAR BAR

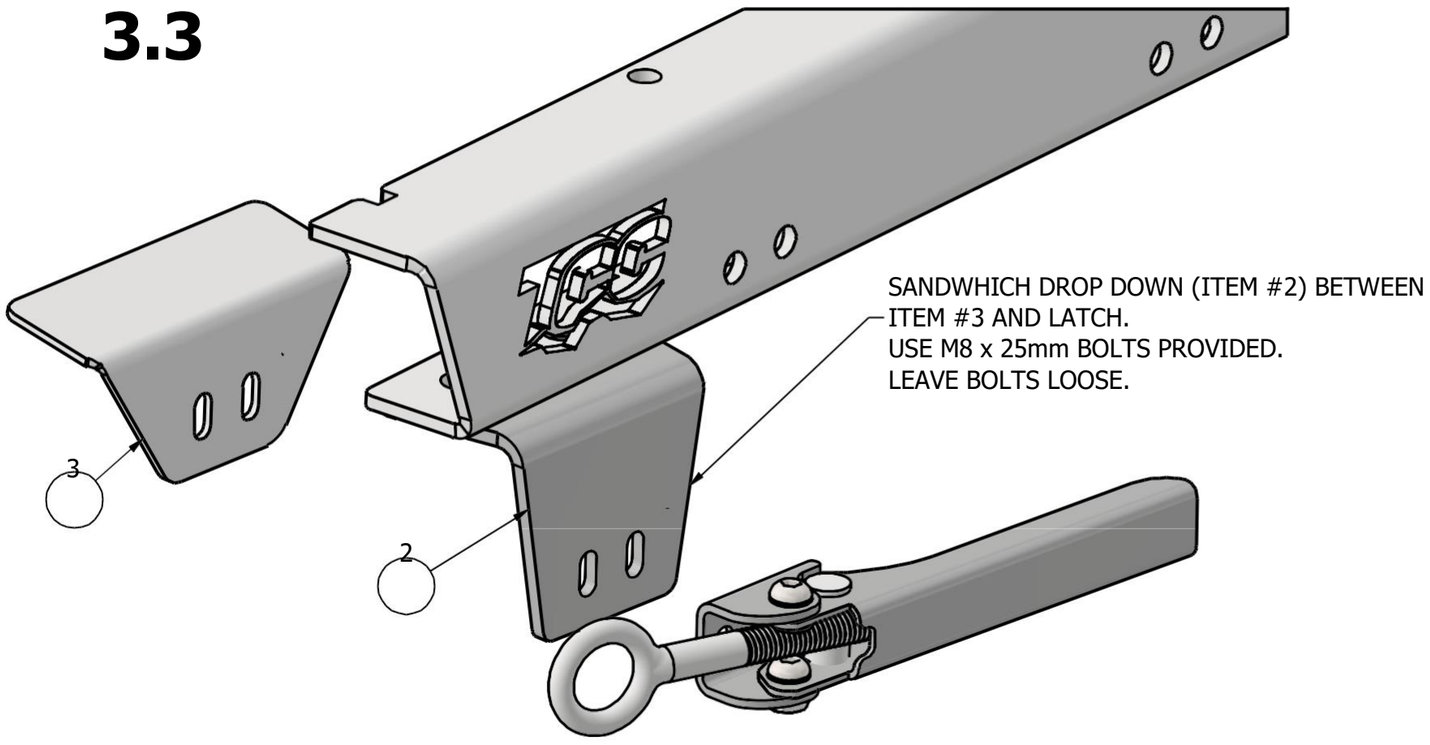
CARRIER ARM

3.1 Please ensure carrier arm is installed to bar base before proceeding to this step.

3.2 REAR VIEW OF PASSENGER SIDE ARM



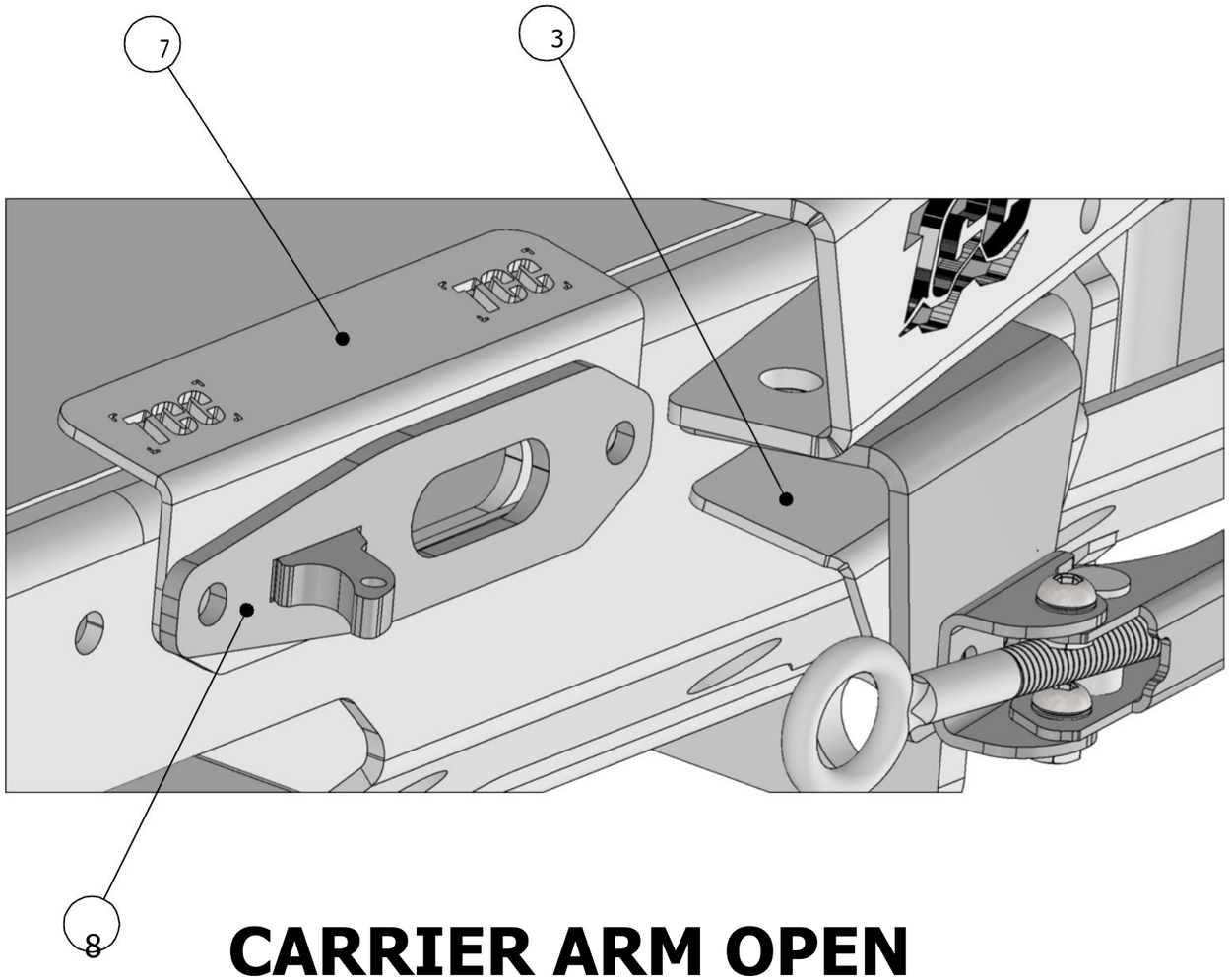
3.3



3. JOINING LATCH TO REAR BAR

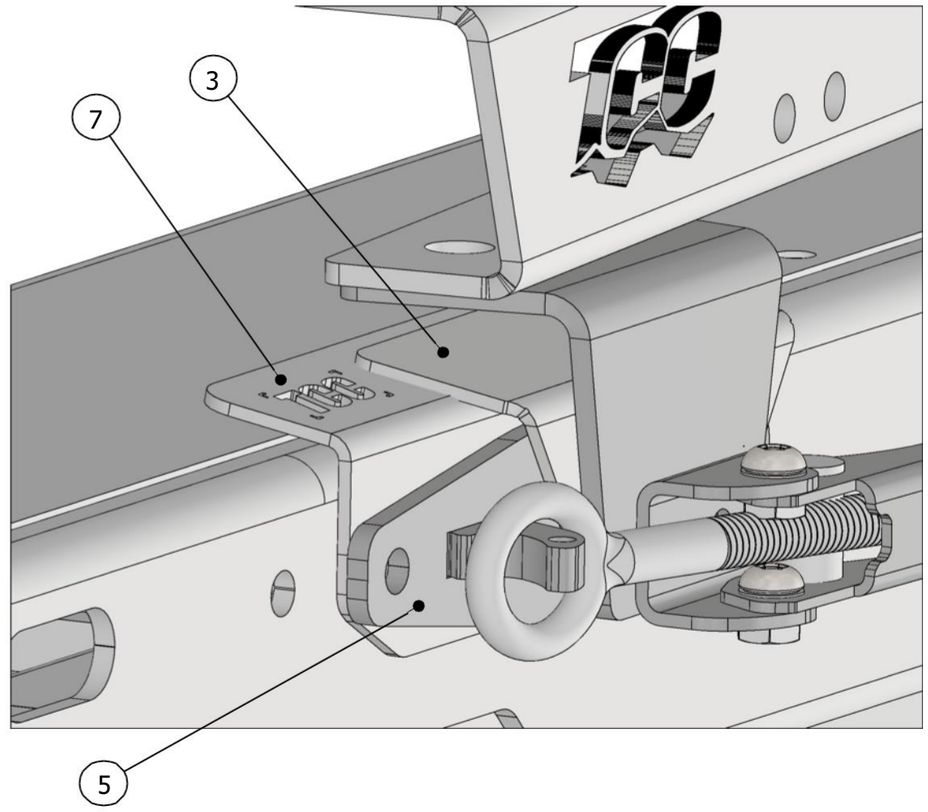
CARRIER ARM

3.4 With latch M8 x 25mm bolts loose, open and close carrier arm. Nuts on the M8 x 25mm bolts should not interfere on the hook plate (**ITEM #8**). Top support plate (**ITEM #3**) should be adjusted in a way that friction is felt between it & **ITEM 7** when closed. Apply a small amount of lubricant between **ITEM #3** & **ITEM #7**.



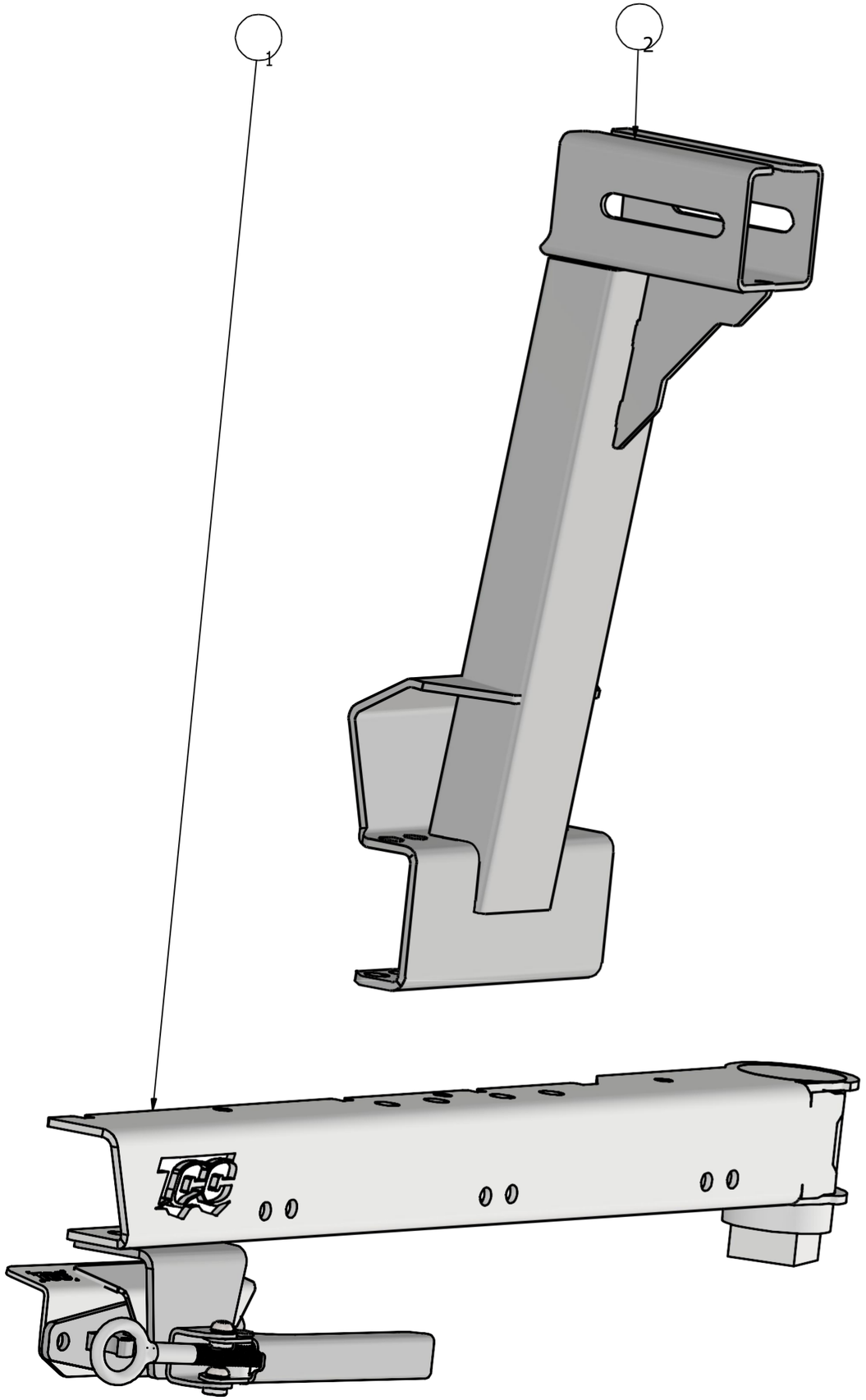
CARRIER ARM OPEN

CARRIER ARM CLOSED

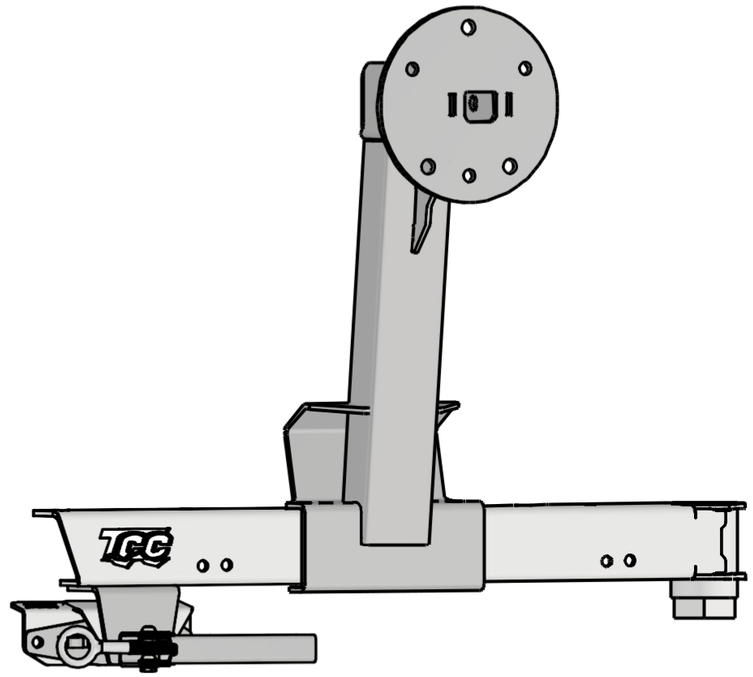


TCC TYRE UPRIGHT & TYRE HEAD

ASSEMBLY INSTRUCTIONS



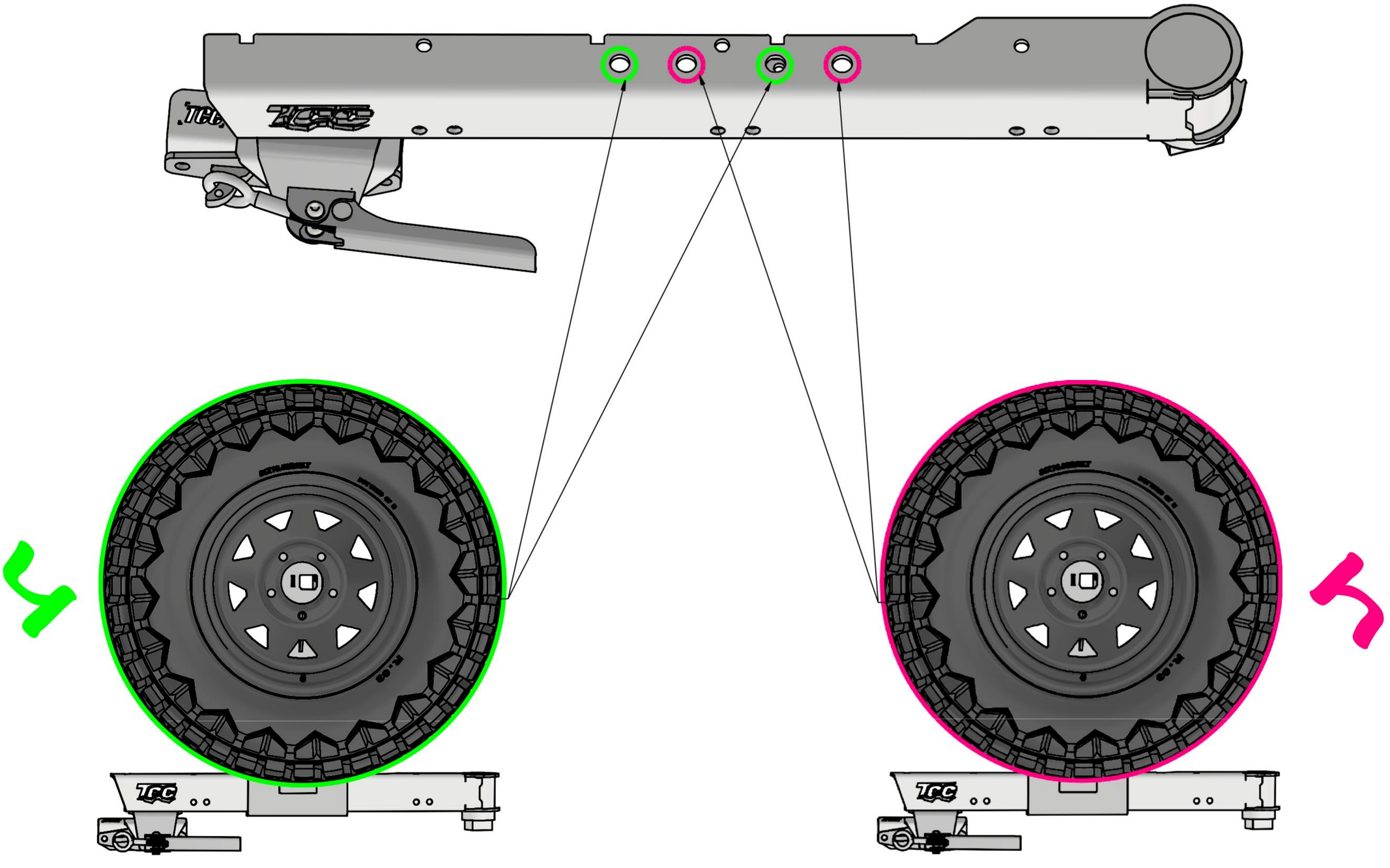
PARTS LIST		
ITEM #	QTY	PART NAME
1	1	TCC CARRIER ARM ASSEMBLY
2	1	TYRE UPRIGHT
3	1	TYRE HEAD



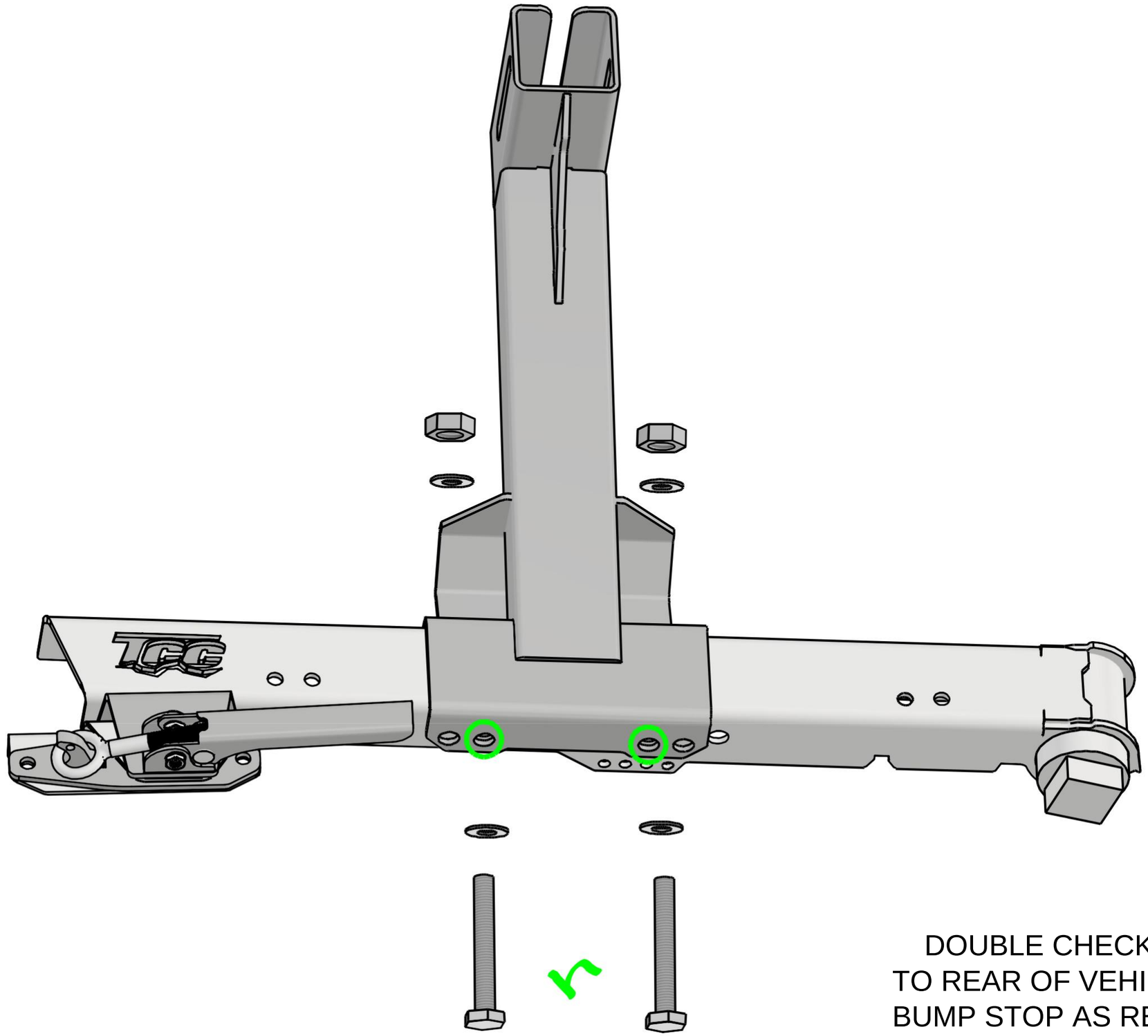
ASSEMBLED VIEW

1. INSTALL THE TYRE UPRIGHT

TCC Carrier Arm must be assembled prior to installation



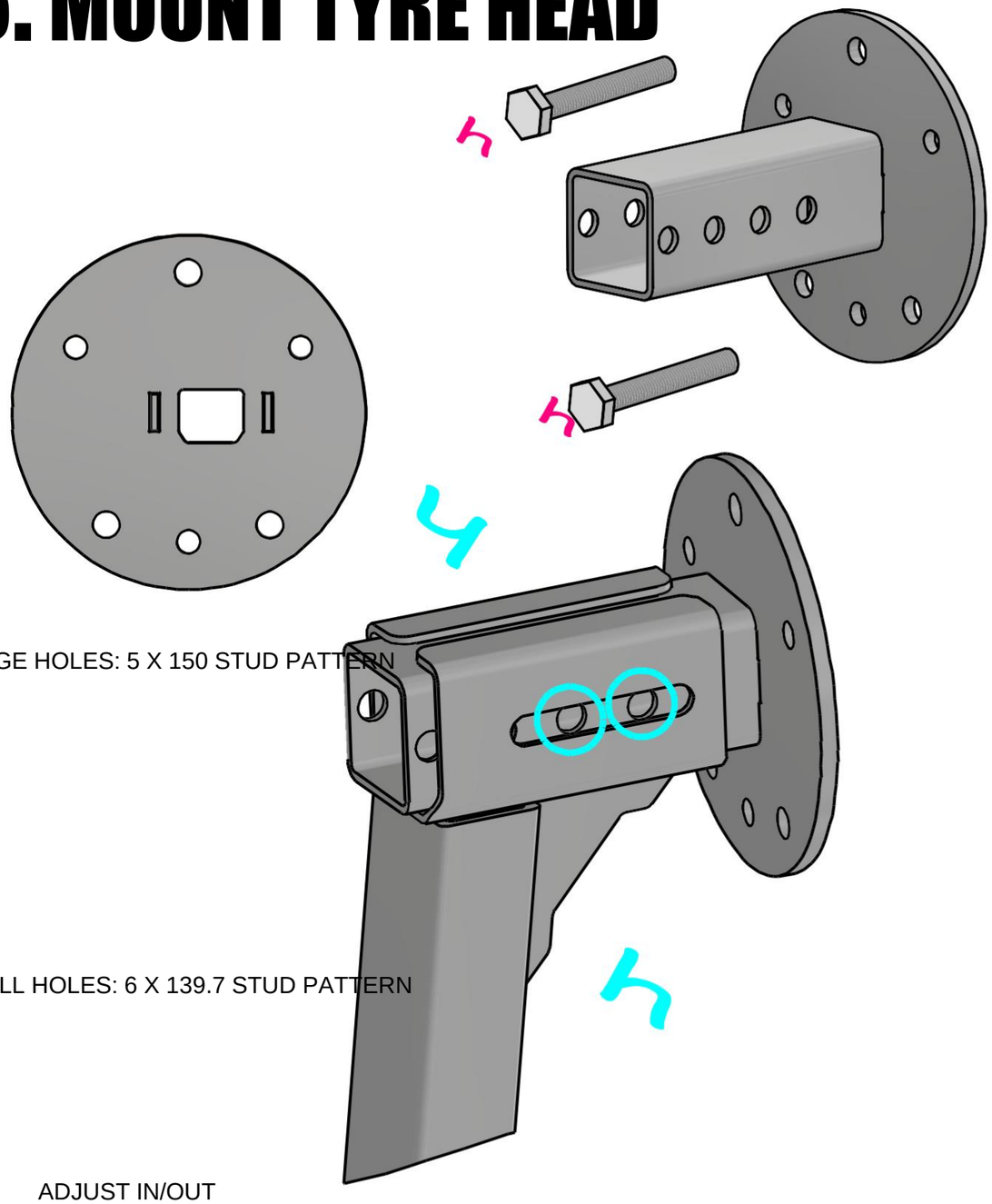
2. INSTALL TYRE UPRIGHT

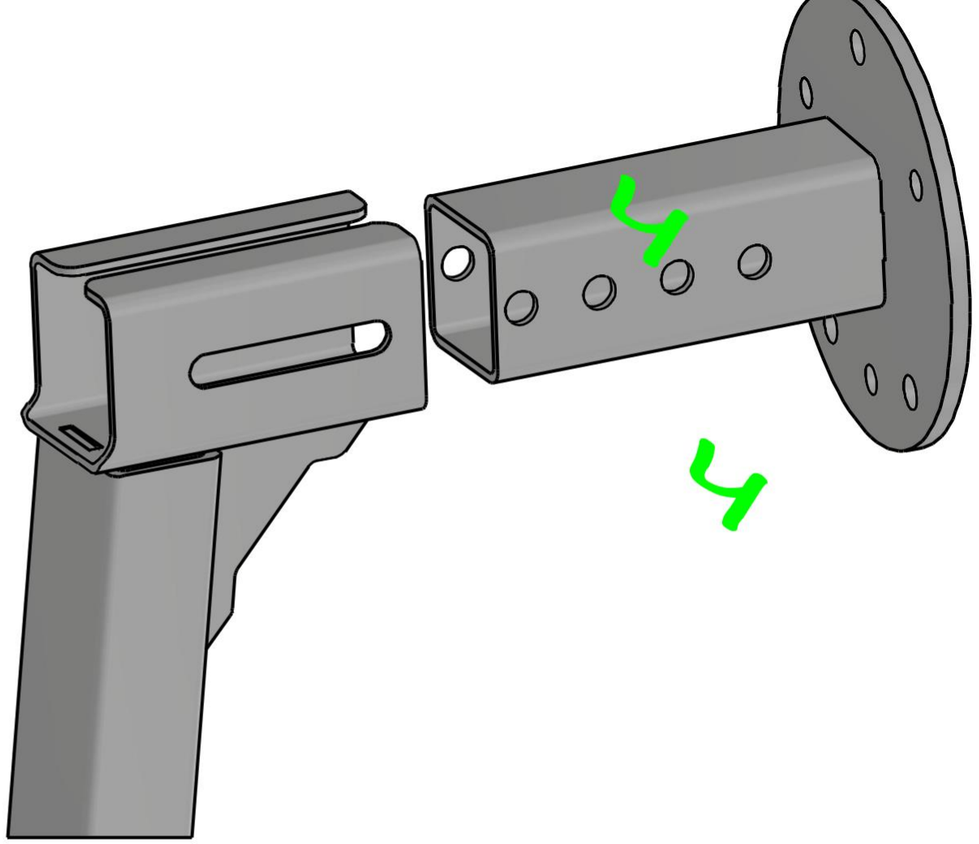


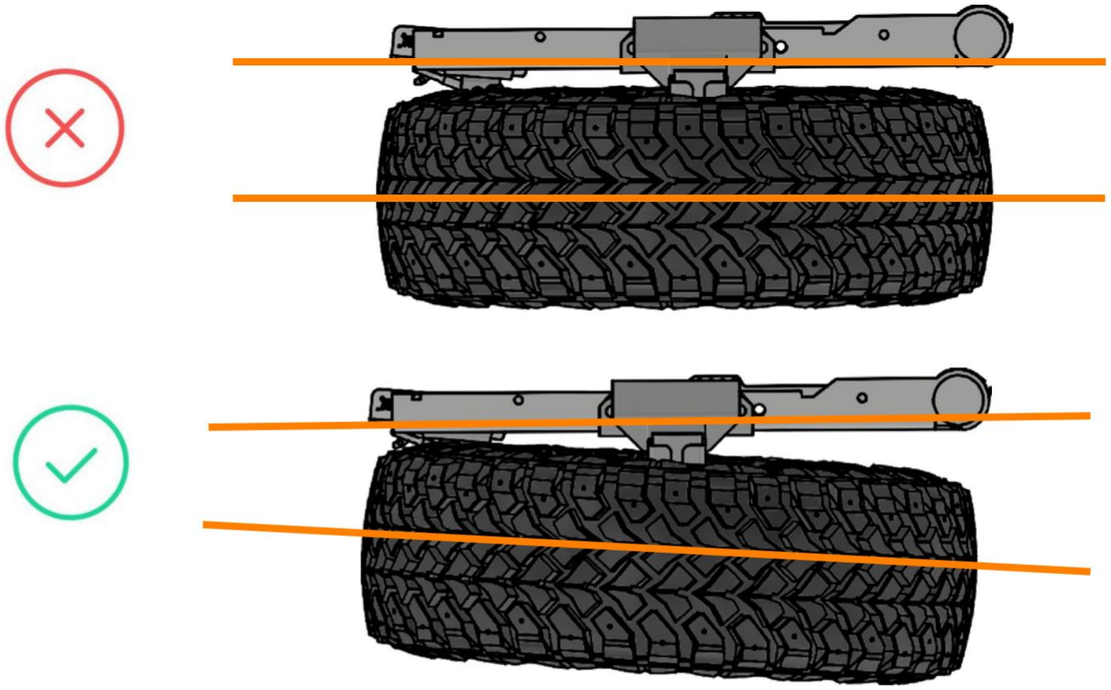
DOUBLE CHECK CLEARANCE
TO REAR OF VEHICLE ADJUST
BUMP STOP AS REQUIRED

M14 x 110mm BOLTS M14 WASHERS
M14 NUTS

3. MOUNT TYRE HEAD

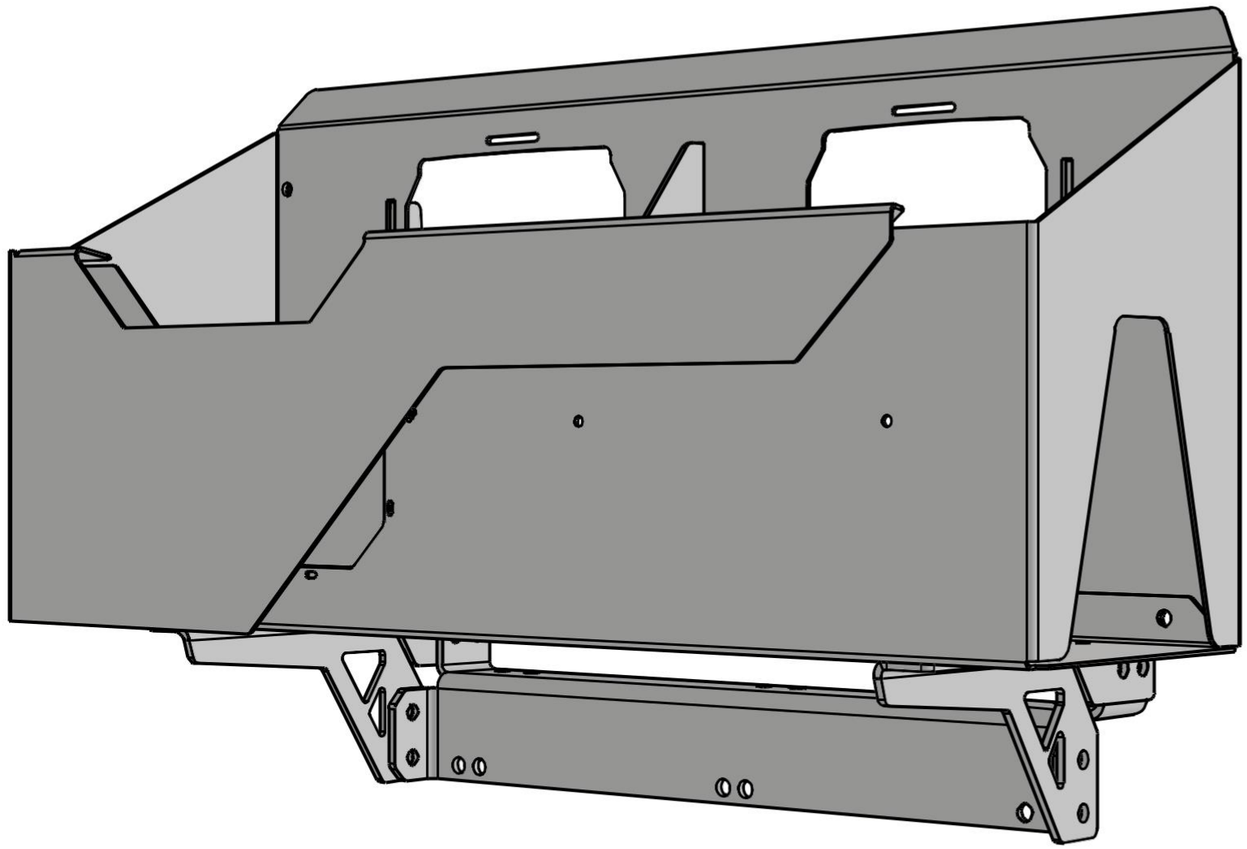


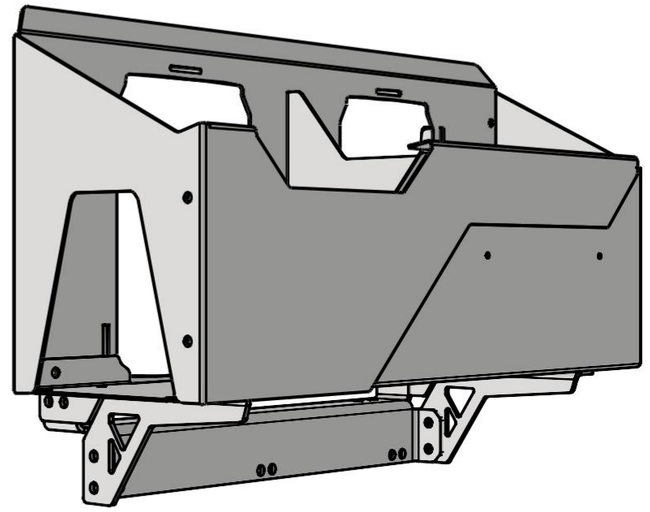




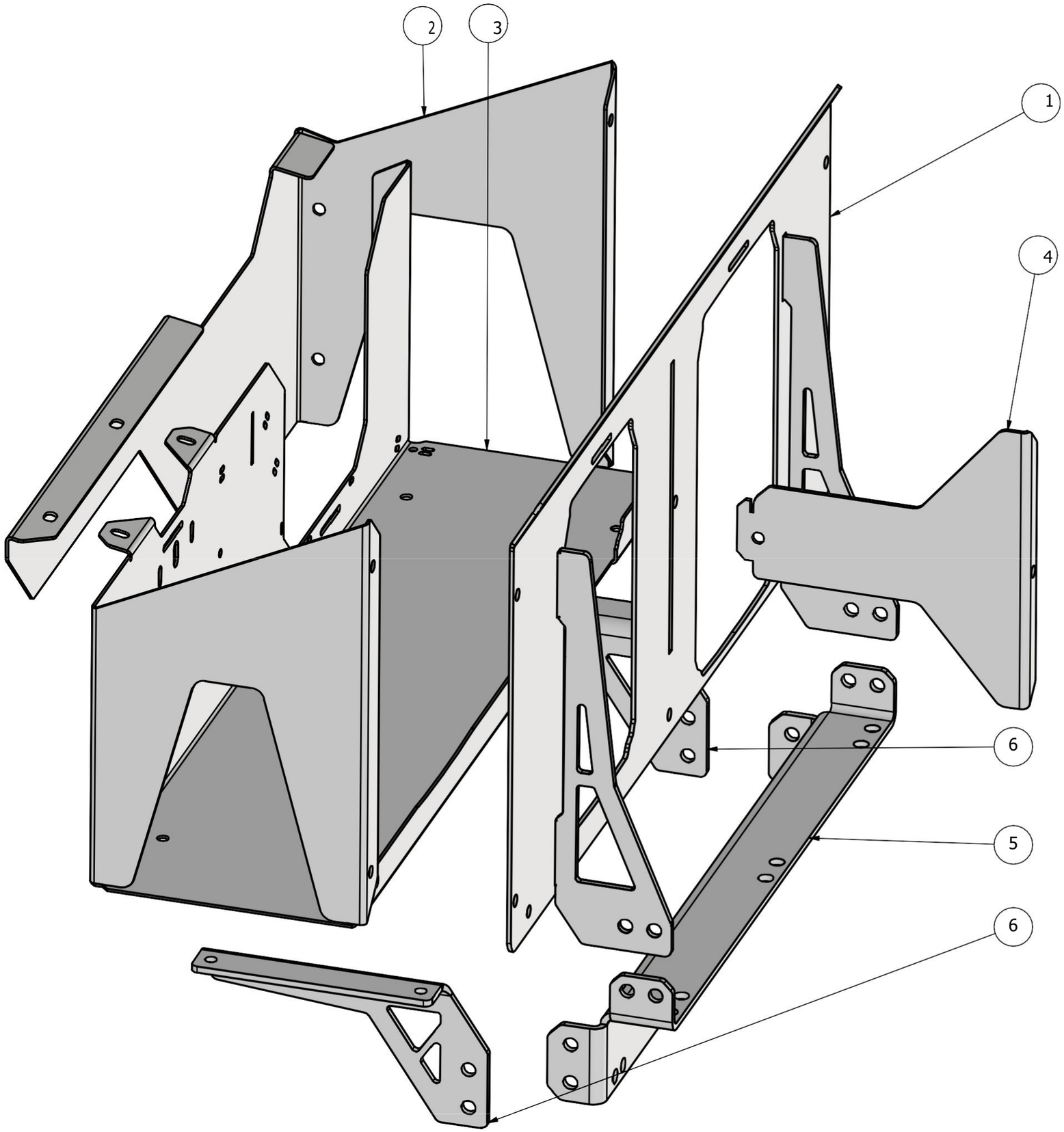
TCC JERRY/GAS HOLDER

ASSEMBLY INSTRUCTIONS



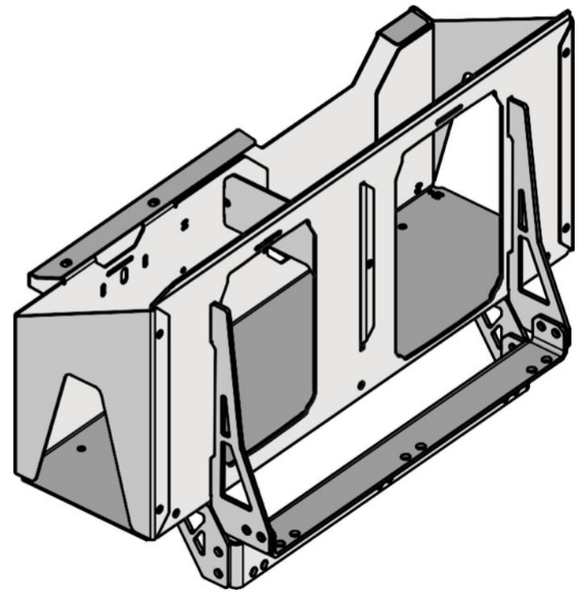


AUSTRALIAN MADE



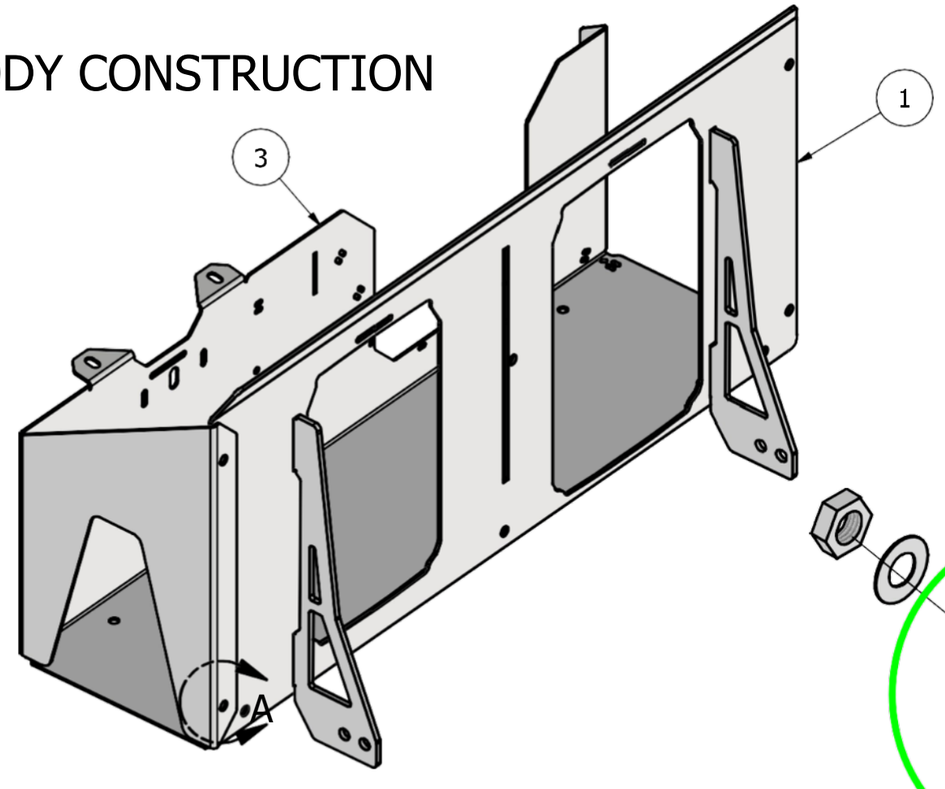
PARTS LIST		
ITEM	QTY	DESCRIPTION
1	1	JERRY BACKING
2	1	JERRY FRONT COVER
3	1	JERRY INTERNAL
4	1	JERRY DIVIDER
5	1	UNIVERSAL SHELF BASE
6	2	JERRY LOWER GUSSET

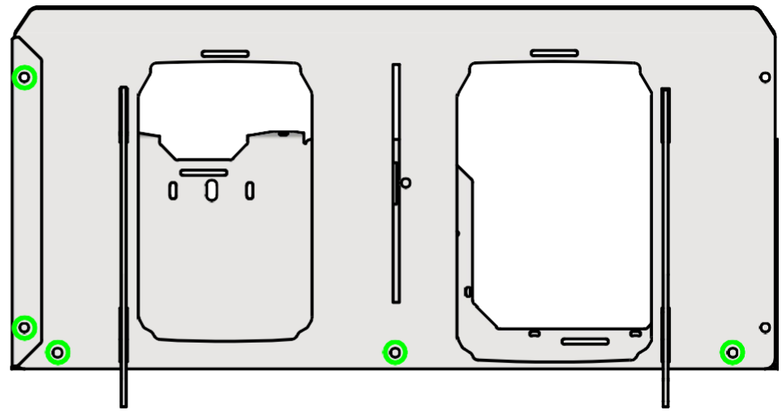
HARDWARE KIT (INCLUDED)	
QTY	DESCRIPTION
8	M10 X 25mm BUTTON HEAD BOLTS
6	M10 X 20mm BUTTON HEAD BOLTS
28	M10 WASHERS
14	M10 NUTS
16	M8 x 20mm BUTTON HEAD BOLTS
32	M8 WASHERS
16	M8 NUTS

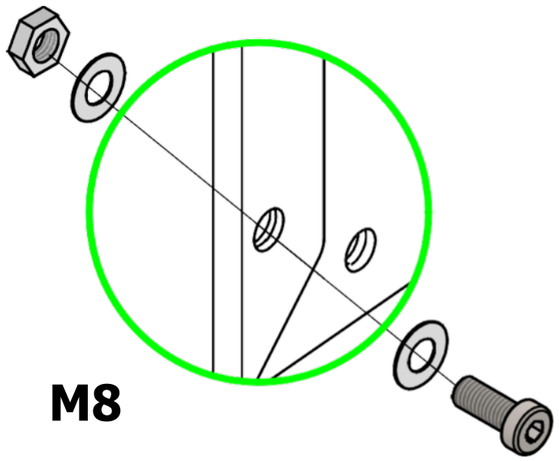


FULLY ASSEMBLED

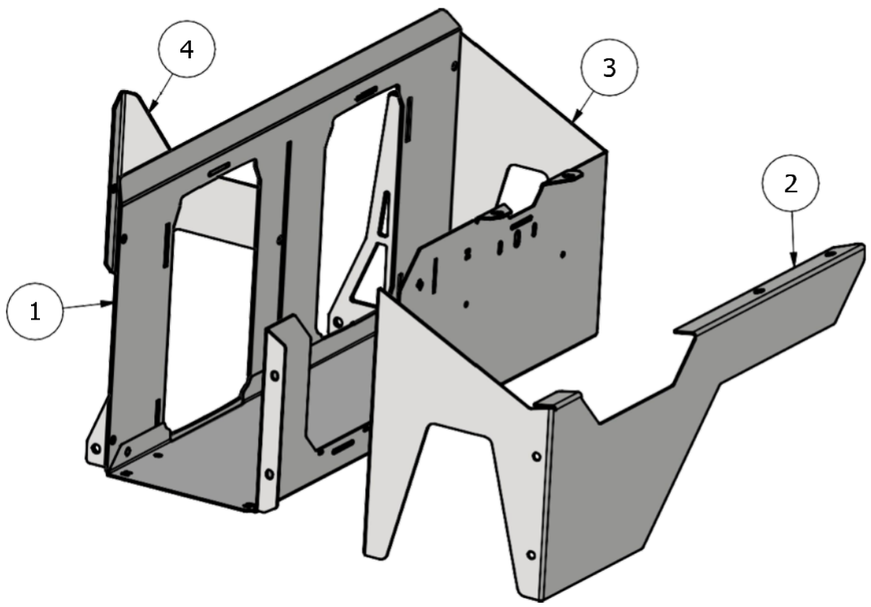
1. JERRY BODY CONSTRUCTION

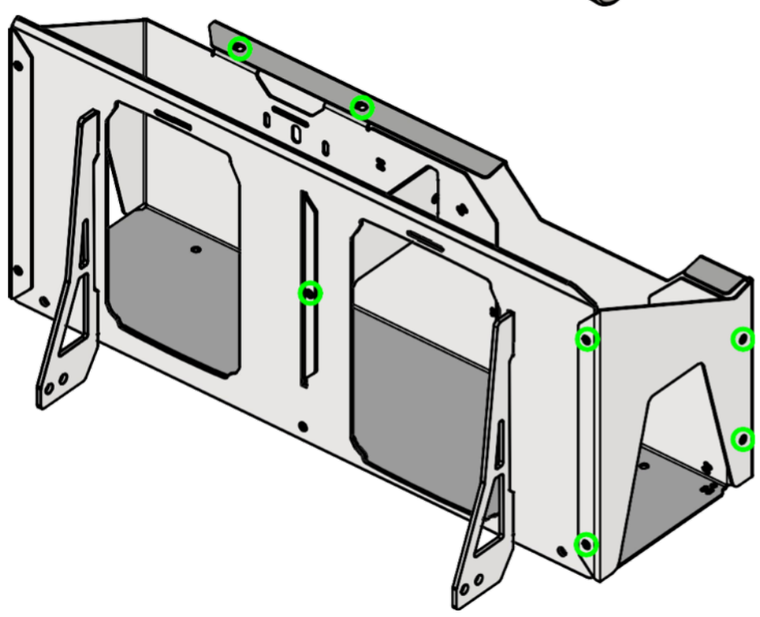




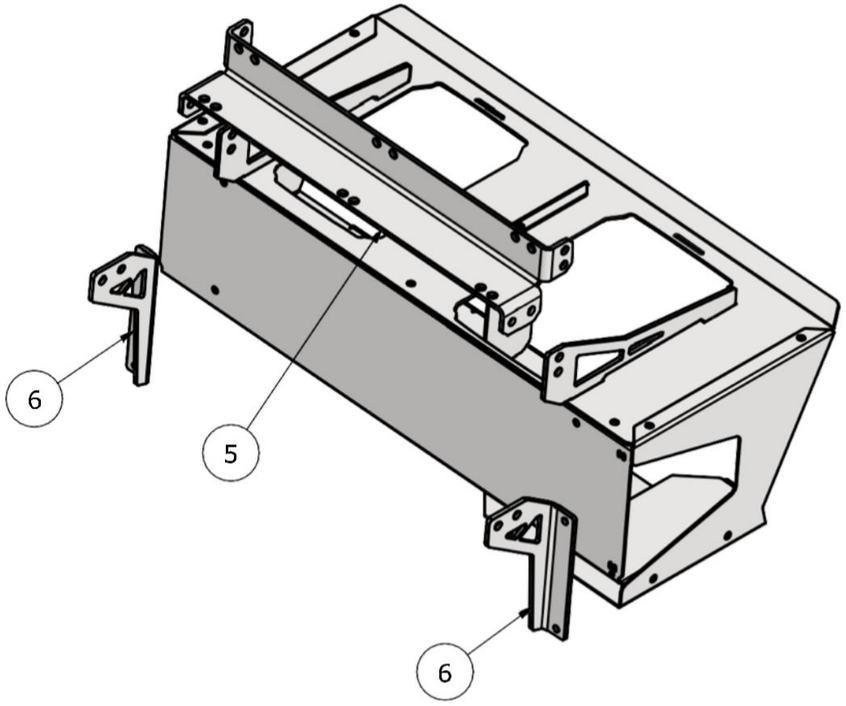


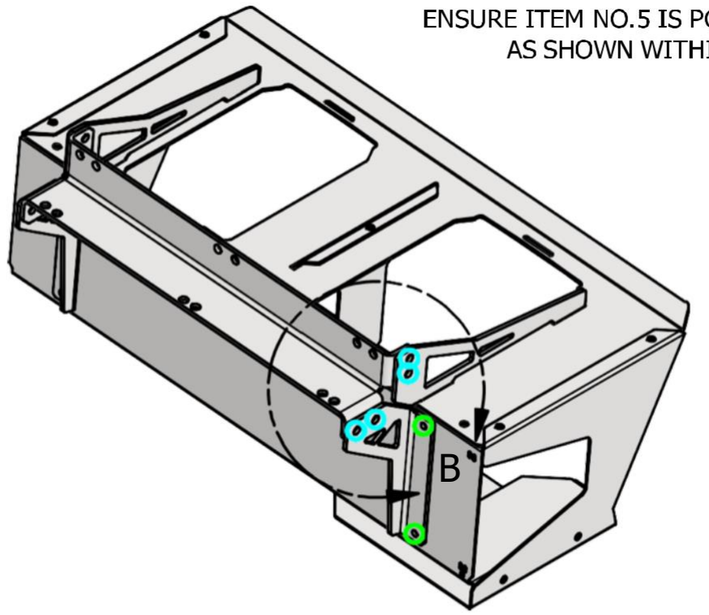
2. JERRY BODY CONSTRUCTION



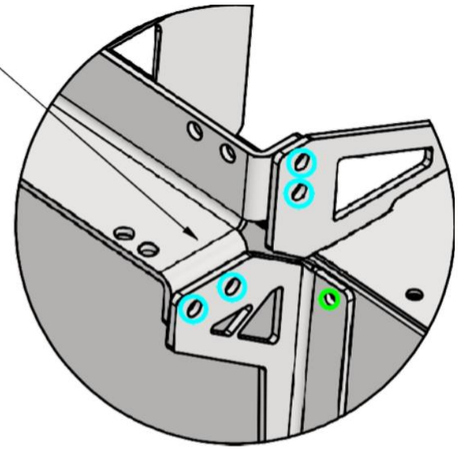


3. ATTACH UNIVERSAL MOUNT

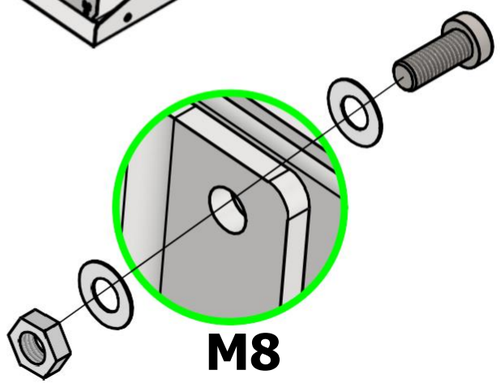




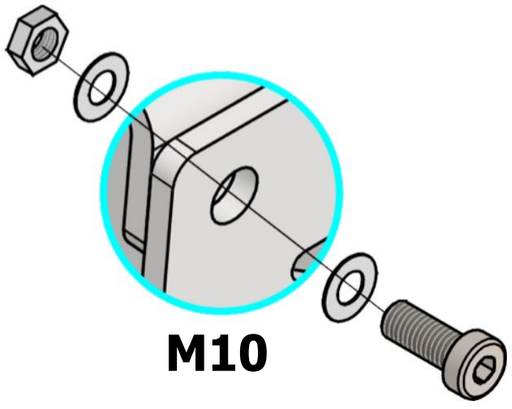
ENSURE ITEM NO.5 IS POSITIONED AS SHOWN WITHIN MOUNTS



DETAIL B



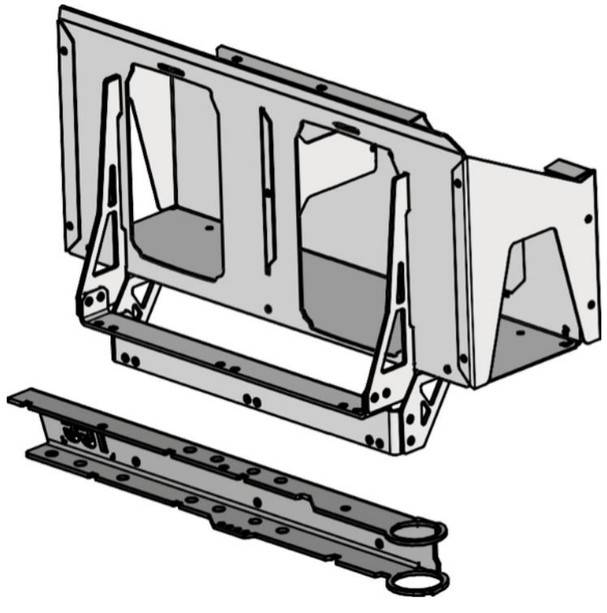
M8

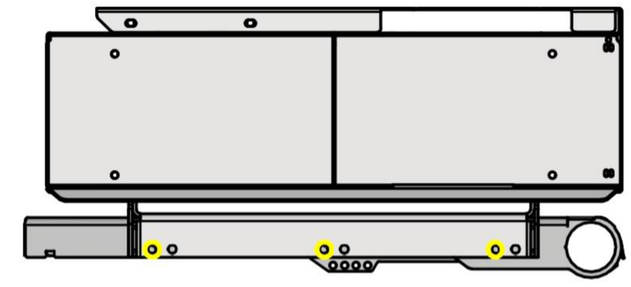


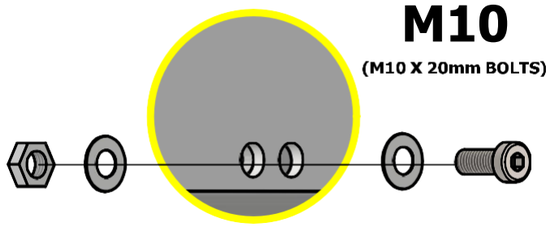
M10

(M10

4. ATTACH ASSEMBLY TO CARRIER ARM







M10

(M10 X 20mm BOLTS)

