TCC LC 75 & 78 TROOPY REAR BAR (INTEGRATED TOWBAR)

& LC 76 REAR BAR (INTEGRATED TOWBAR)

TECHNICAL DATA SHEET & FITTING INSTRUCTIONS

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

PLEASE NOTE: While the fitting procedure shown in this manual applies to both the Troopy & 76 rear bars, these products **cannot** be swapped between vehicles. Please ensure you purchase the correct bar for your vehicle.

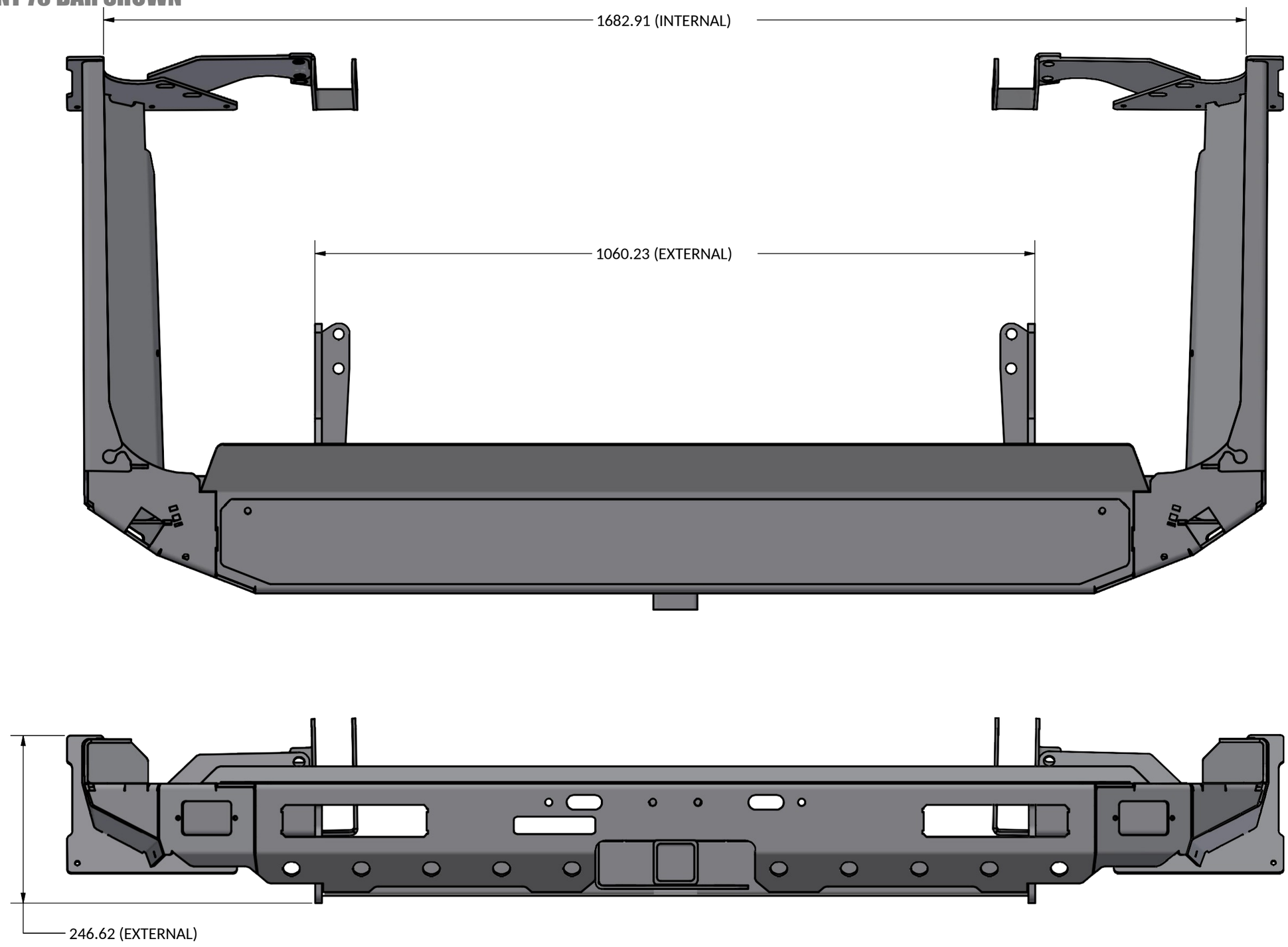


*Note: Roadmaster Combination Led Lamps wire color codes:
Ground - White
Stop - Red
Tail - Brown
Indicator - Green or Yellow

AUSTRALIAN MADE

GENERAL DIMENSIONS

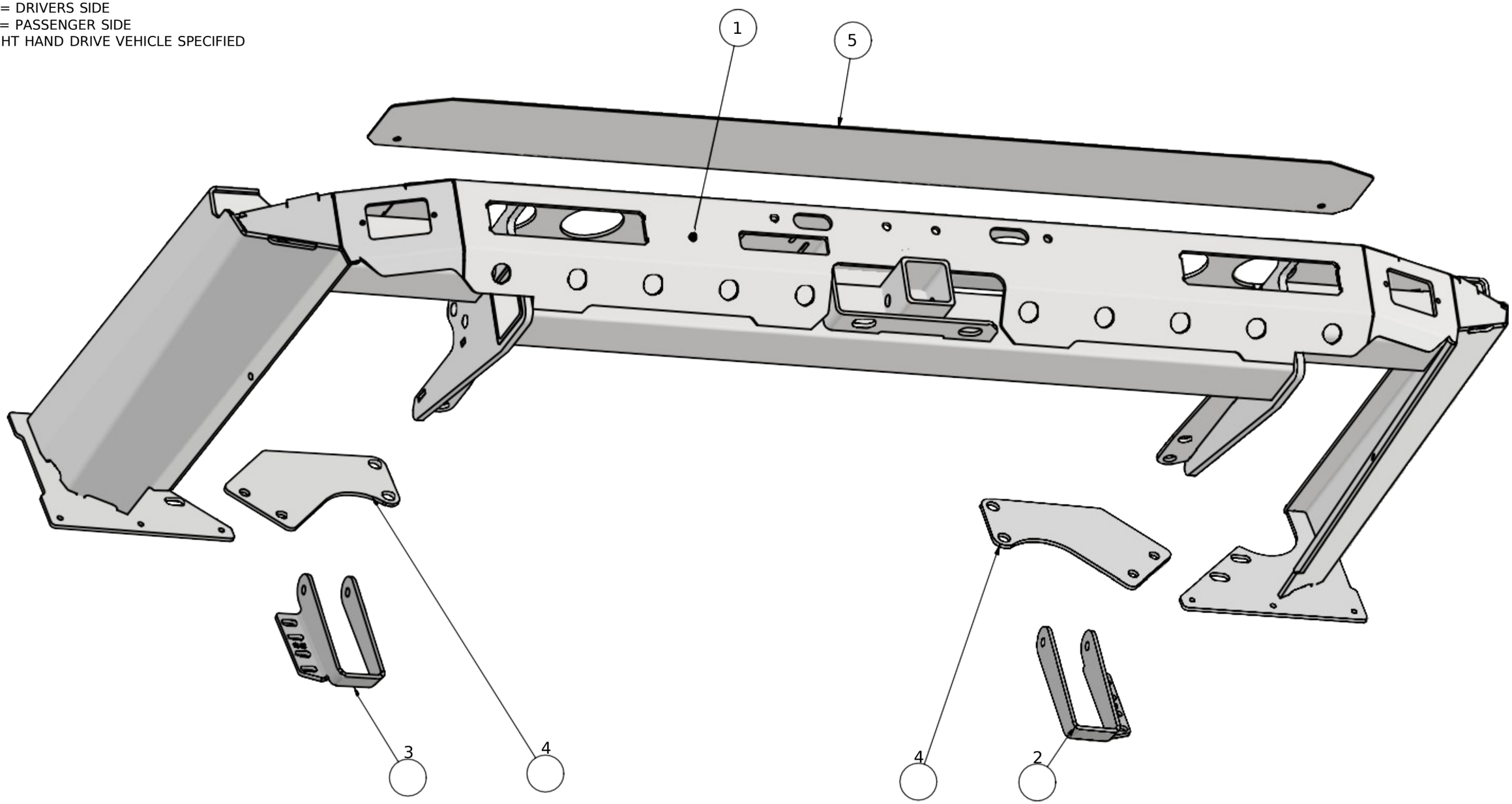
ALL UNITS IN MM
EXTERNAL / INTERNAL REFERS TO START & END POINTS FOR MEASUREMENT 76 BAR SHOWN



BAR BASE ASSEMBLY

PARTS LIST		
ITEM	QTY	PART NAME
1	1	75 / 78 / 76 REAR BAR BASE
2	1	CHASSIS CLAMP (DS)
3	1	CHASSIS CLAMP (PS)
4	2	WING TO CHASSIS BRACES
5	1	TREAD PLATE

* DS = DRIVERS SIDE
PS = PASSENGER SIDE
RIGHT HAND DRIVE VEHICLE SPECIFIED



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
M10 x 1.5 x 80mm BOLTS	2	CHASSIS CLAMPS
M10 WASHERS	14	CHASSIS CLAMPS & CHASSIS MOUNTS
M10 x 1.5 HEX NUTS	2	CHASSIS CLAMPS
M10 x 1.25 x 50mm BOLTS	10	BOLT INTO CAPTIVE NUTS
M12 x 1.25 x 50mm BOLTS	4	BOLT INTO CENTRE CAPTIVE NUTS
M12 WASHERS	4	BOLT INTO CENTRE CAPTIVE NUTS

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.

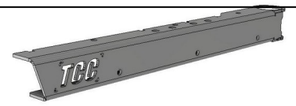


1. PREPARING FOR INSTALL

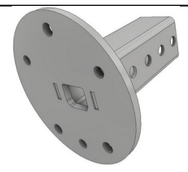
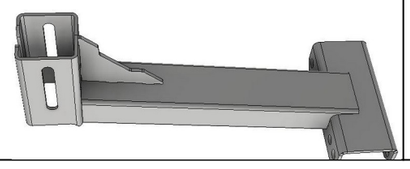
BAR BASE - DETAILED IN ASSEMBLY VIEW (PAGE 3)

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		

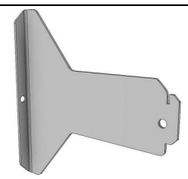
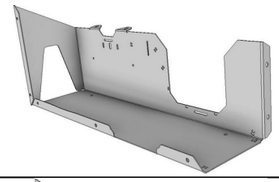
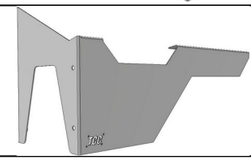
TYRE CARRIER

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	PACKED (OFFICE USE ONLY)
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	

2. REMOVE FACTORY REAR BUMPER

2.1. Slight variations exist between Troopy (75/78) factory rear bumpers, and 76 factory rear bumpers. However removing the rear bumper is easy to do. There are many videos on YouTube covering this process if specific instructions are required for your vehicle.

2.2. Remove spare wheel and spare wheel bracket from rear door.

2.3. Remove plastic wings from bumper assembly.

2.4. Remove factory tail lights and plastic bumper from both sides.

2.5. Remove metal step.

2.6. Remove towbar (if fitted) and set aside for refitting with TCC rear bar.

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.

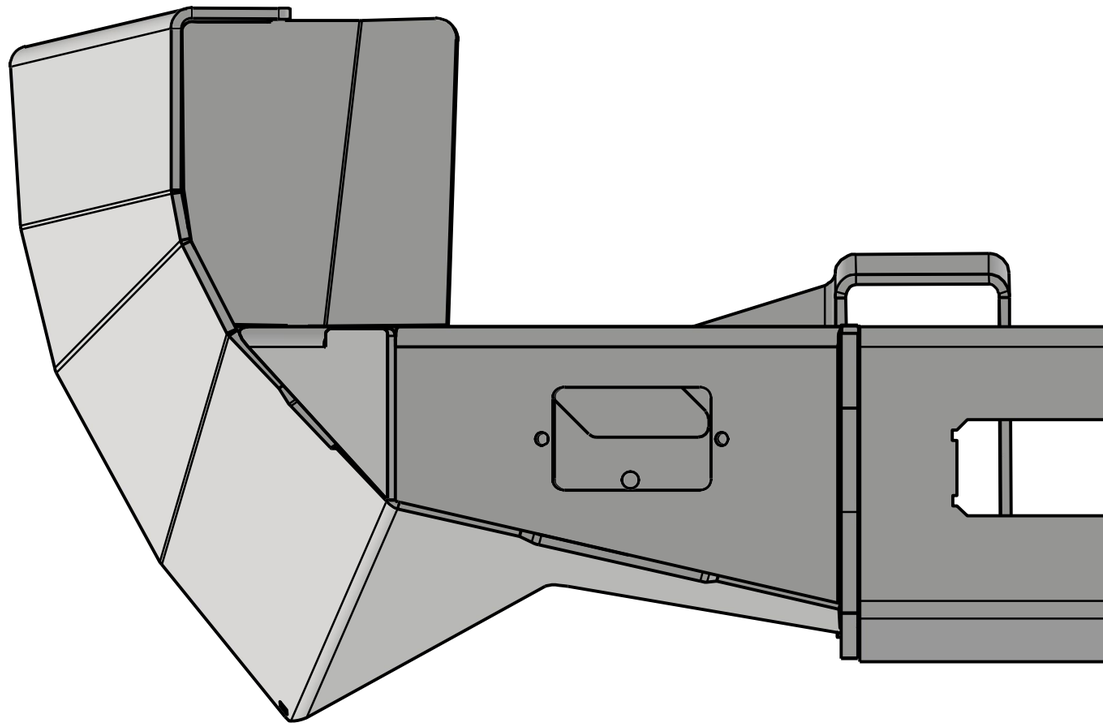
- Keep external joins and moving components properly protected with a lubricant such as Lanolin.

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

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

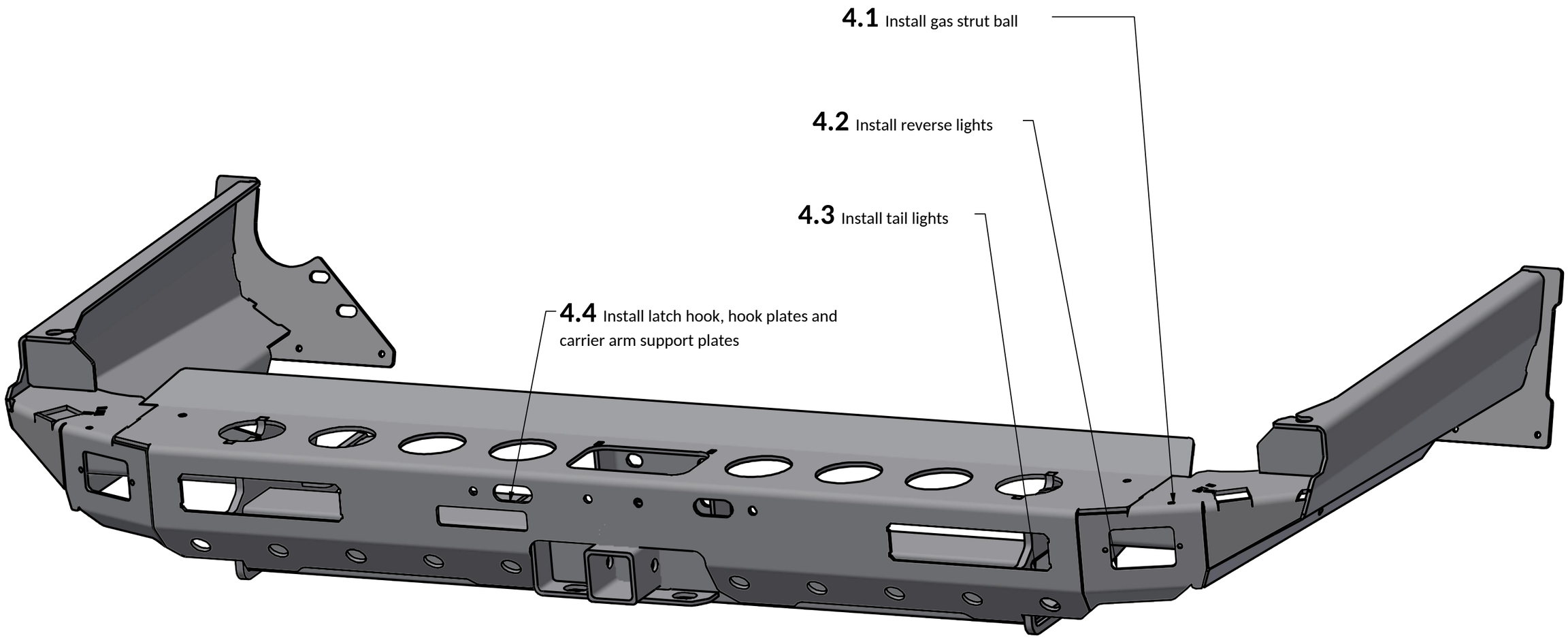
- Do not wash the product with any harsh chemicals.

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



4. REAR BAR INSTALL

FITTING THE ACCESSORIES

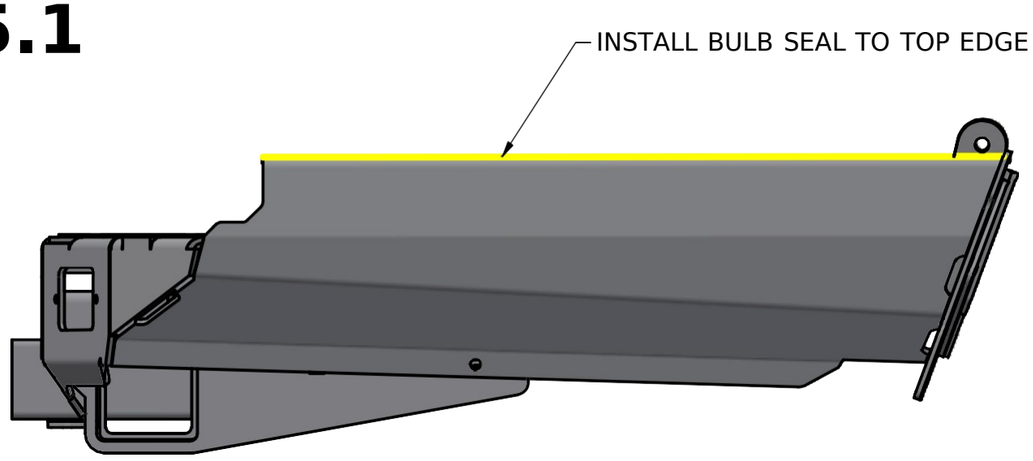


NOTE: DO NOT INSTALL TREAD PLATE AT THIS STAGE

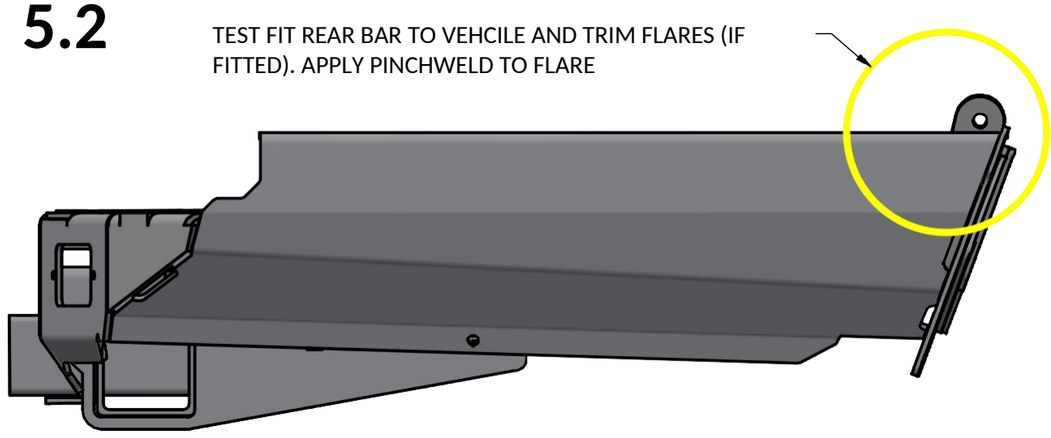
5. REAR BAR INSTALL

PREPARING FOR FITMENT TO THE VEHICLE

5.1

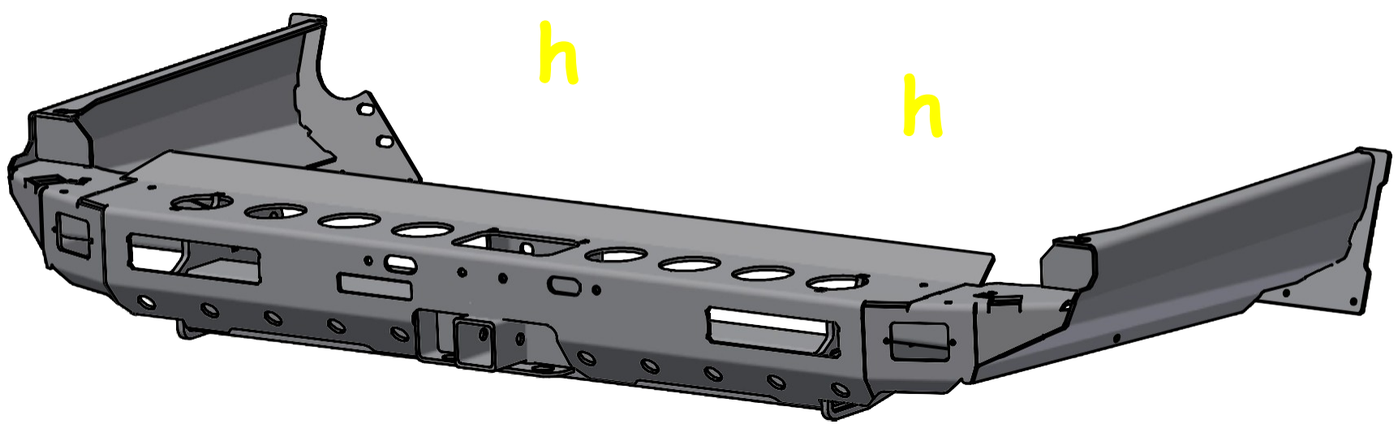


5.2



5.3

LIFT BAR ONTO VEHICLE

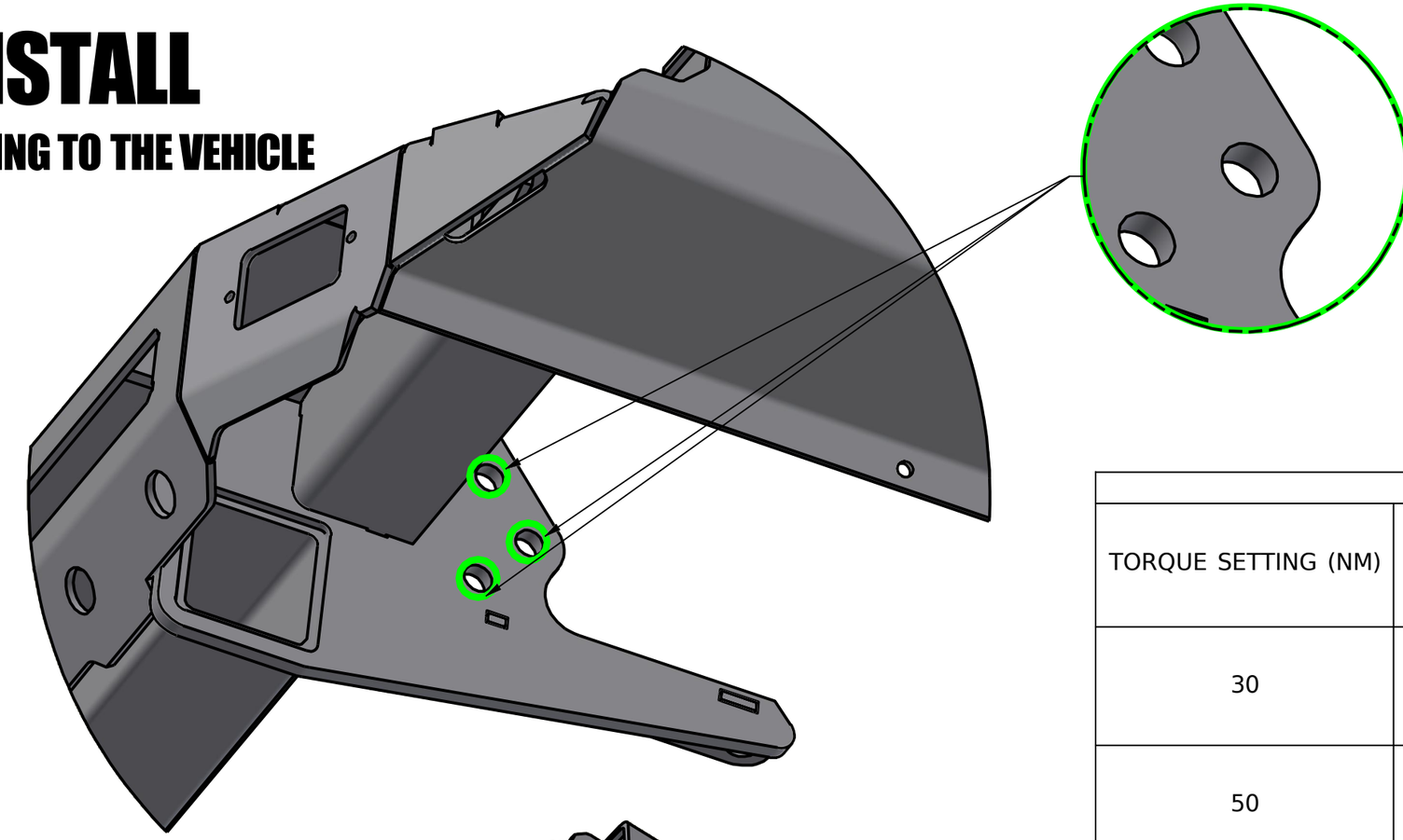




6. REAR BAR INSTALL

FITTING TO THE VEHICLE

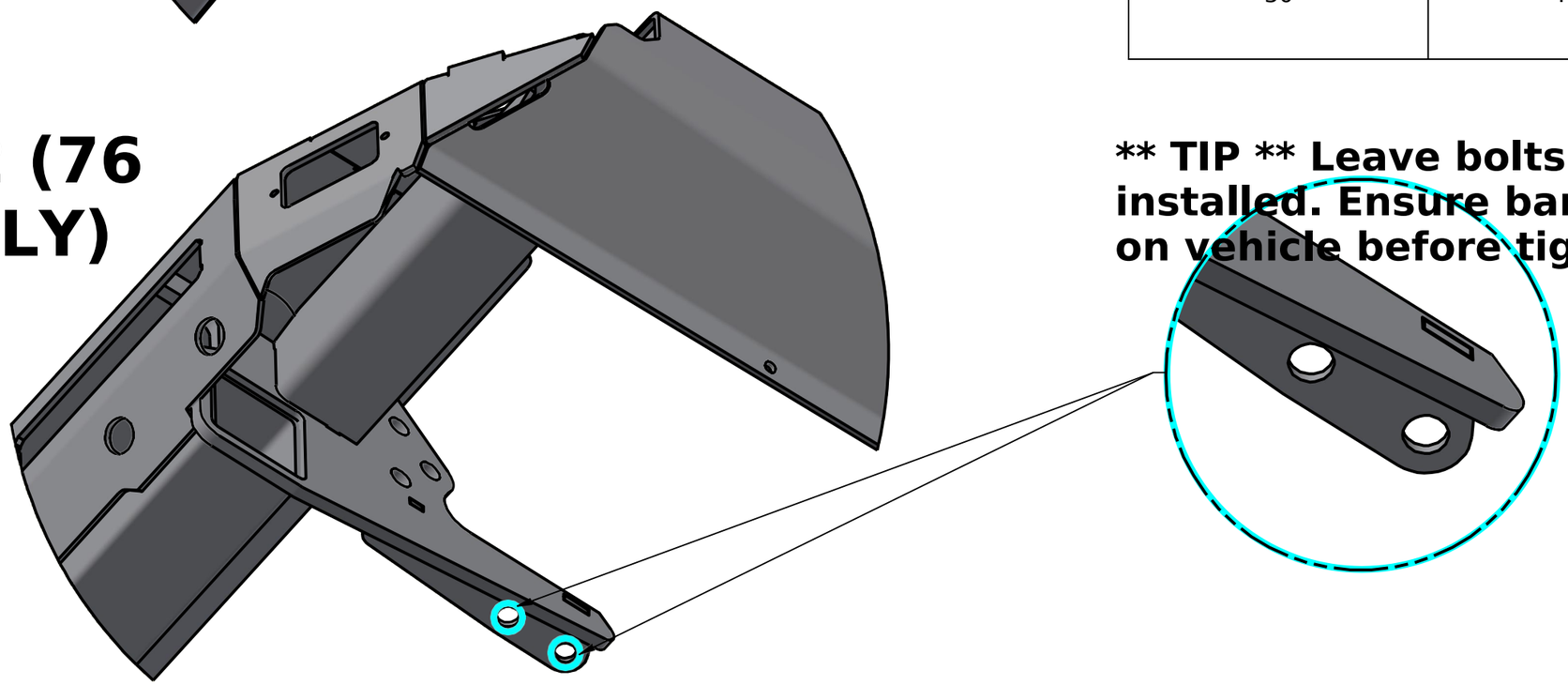
6.1



M10 x 1.25 (FINE THREAD)
BOLTS INTO CAPTIVE NUTS
M10 WASHERS

MOUNTING BOLT TORQUE SPEC		
TORQUE SETTING (NM)	BOLT TYPE	LOCATION
30	M10 x 50mm	CAPTIVE NUTS (CHASSIS RAILS)
50	M12 x 50mm	CHASSIS MOUNTS (CENTER CROSSMEMBER)

6.2 (76 ONLY)



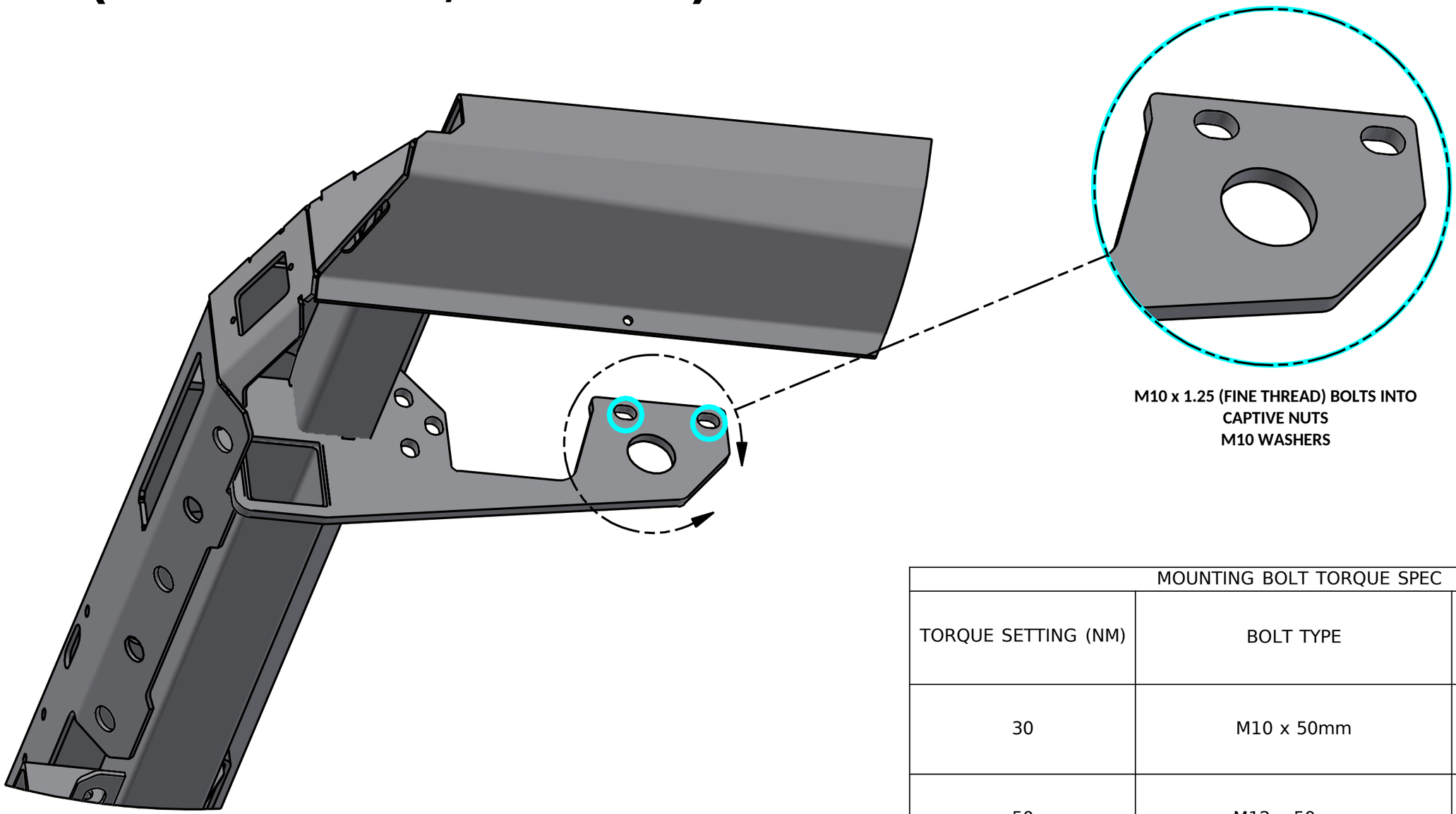
**** TIP ** Leave bolts loose until all bolts installed. Ensure bar is paralell to body lines on vehicle before tightening.**

M10 x 1.25 (FINE THREAD) BOLTS
INTO CAPTIVE NUTS
M10 WASHERS

6. REAR BAR INSTALL

FITTING TO THE VEHICLE

6.2 (TROOPY - 75/78 ONLY)



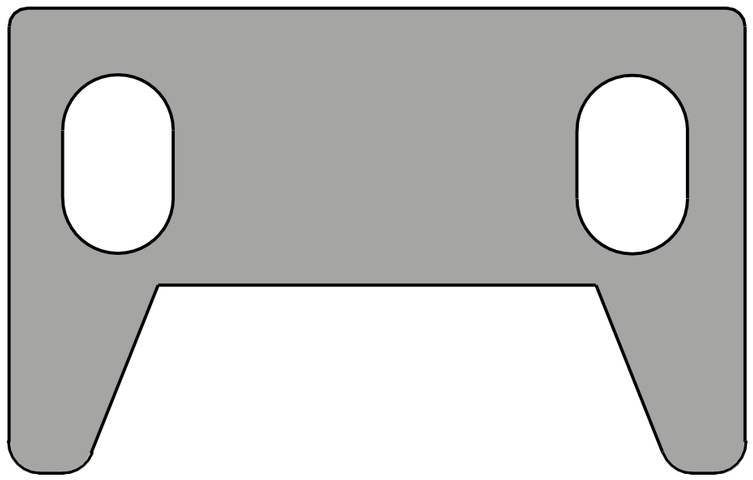
M10 x 1.25 (FINE THREAD) BOLTS INTO CAPTIVE NUTS
M10 WASHERS

MOUNTING BOLT TORQUE SPEC		
TORQUE SETTING (NM)	BOLT TYPE	LOCATION
30	M10 x 50mm	CAPTIVE NUTS (CHASSIS RAILS)
50	M12 x 50mm	CHASSIS MOUNTS (CENTER CROSSMEMBER)

7. REAR BAR INSTALL

FITTING CENTER SHIMS

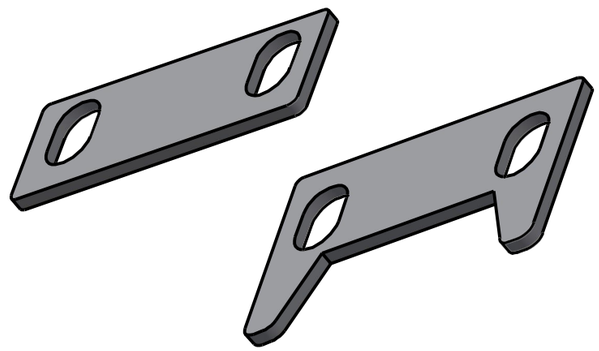
CENTER SHIM #1



CENTER SHIM #2



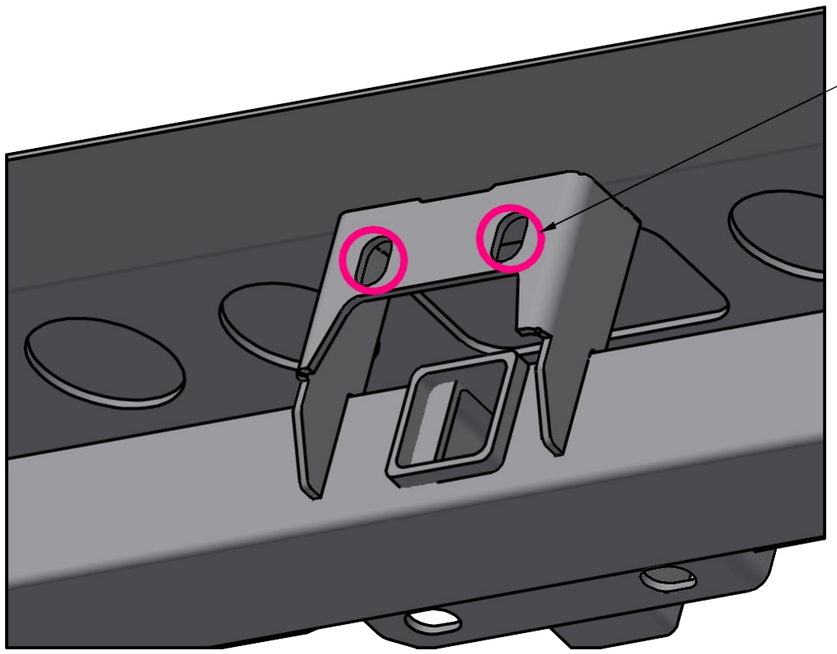
7.1 Shims may be required on both LC76 & Troopy rear bars. If gap is present at center mount when all other bolts are installed, please install shims in the order shown below. Please note that only 1 shim may be required.

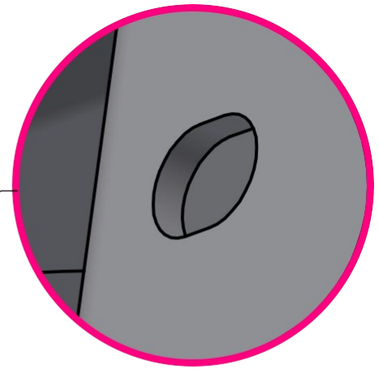


8. REAR BAR INSTALL

FITTING TO THE VEHICLE

8.1





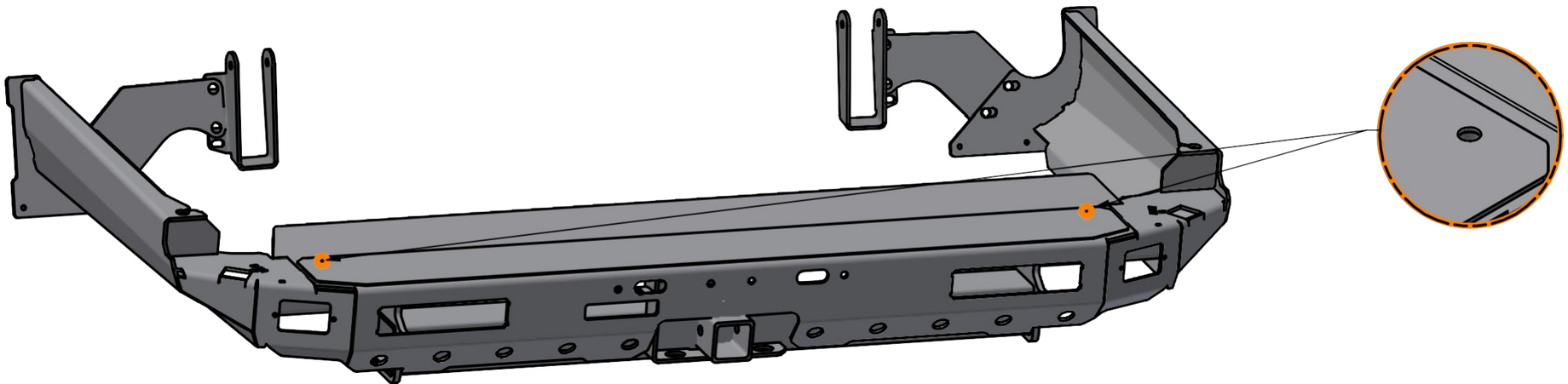
M12 x 1.25 (FINE THREAD) BOLTS
INTO CAPTIVE NUTS
M12 WASHERS

ACCESS FROM TOP OF REAR BAR

MOUNTING BOLT TORQUE SPEC		
TORQUE SETTING (NM)	BOLT TYPE	LOCATION
30	M10 x 50mm	CAPTIVE NUTS (CHASSIS RAILS)
50	M12 x 50mm	CHASSIS MOUNTS (CENTER CROSSMEMBER)

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

8.2 Install tread plate

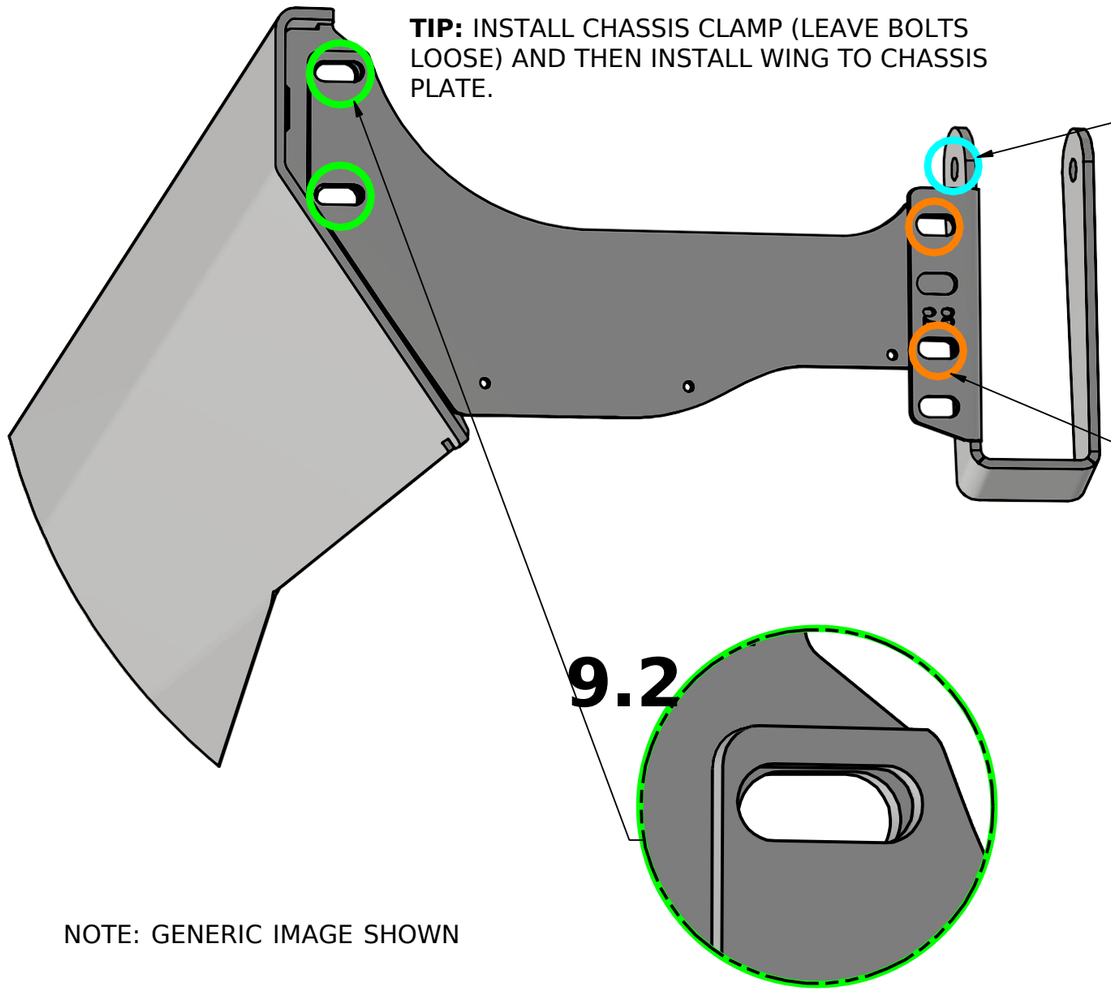


M8 BOLTS
M8 WASHERS
M8 HEX NUTS

9. REAR BAR INSTALL

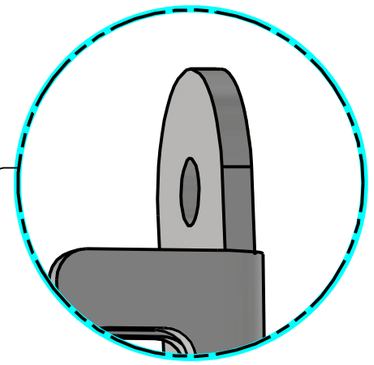
WING TO CHASSIS BRACES

TIP: INSTALL CHASSIS CLAMP (LEAVE BOLTS LOOSE) AND THEN INSTALL WING TO CHASSIS PLATE.



NOTE: GENERIC IMAGE SHOWN

9.1

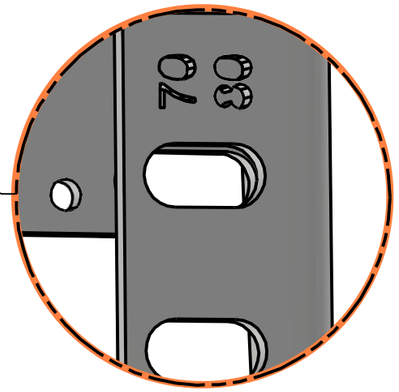


M10 x 80mm
BOLTS M10
WASHERS M10
HEX NUTS

9.2

M10 x 35mm
BOLTS M10
WASHERS M10
HEX NUTS

9.3



M10 x 35mm
BOLTS M10
WASHERS M10
HEX NUTS

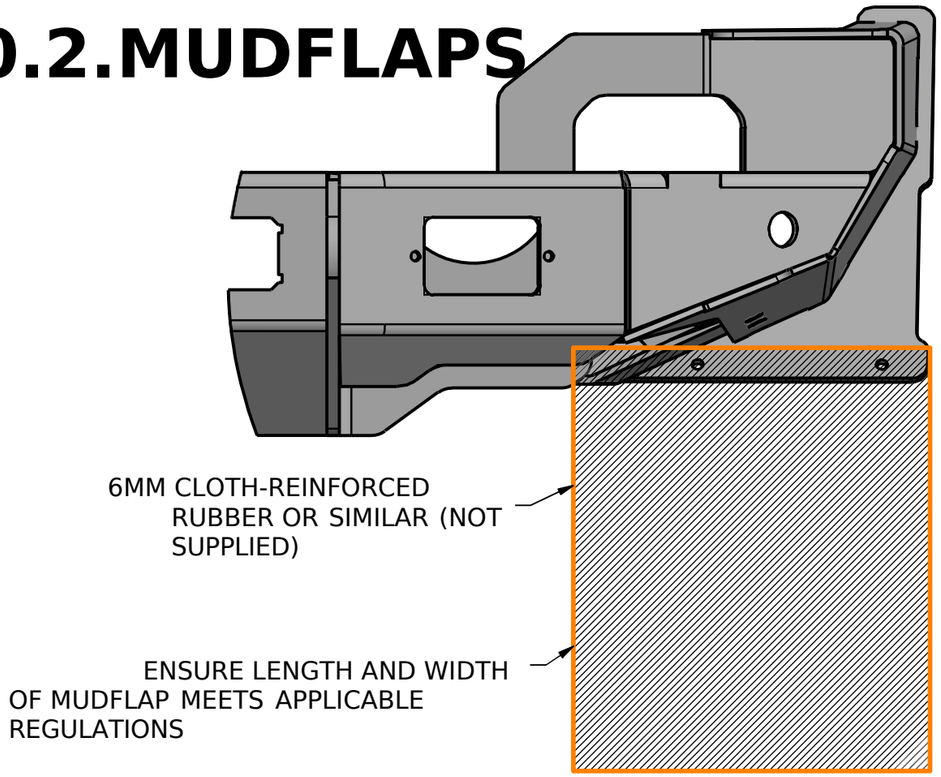
IMPORTANT! ENSURE BOLTS ARE ORIENTATED SO THAT THEY DO NOT CONTACT THE TYRE WHEN VEHICLE IS FLEXED

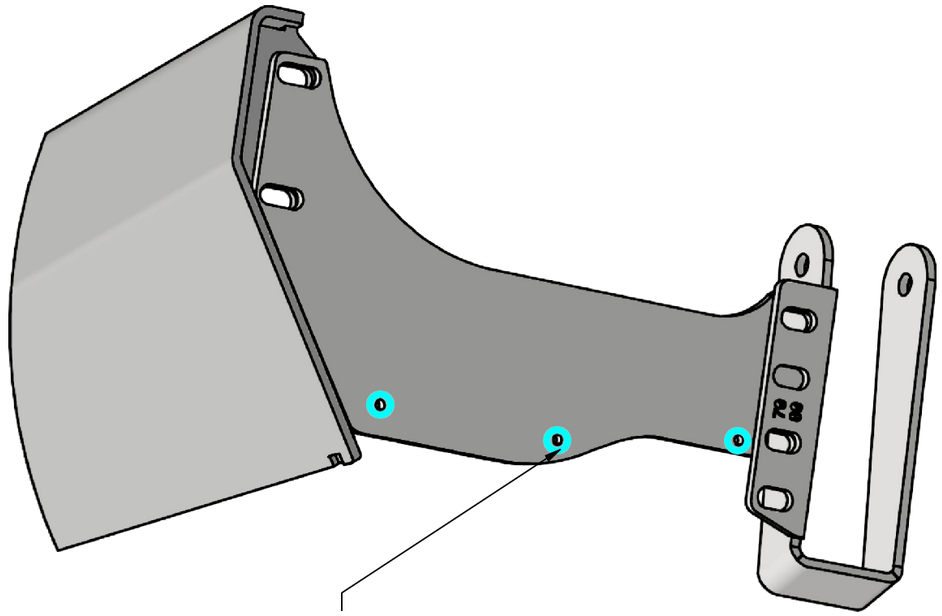
10. REAR BAR INSTALL

FINAL STEPS

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

10.2.MUDFLAPS





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

TCC LATCH ASSEMBLY

ASSEMBLY INSTRUCTIONS

AUSTRALIAN MADE®

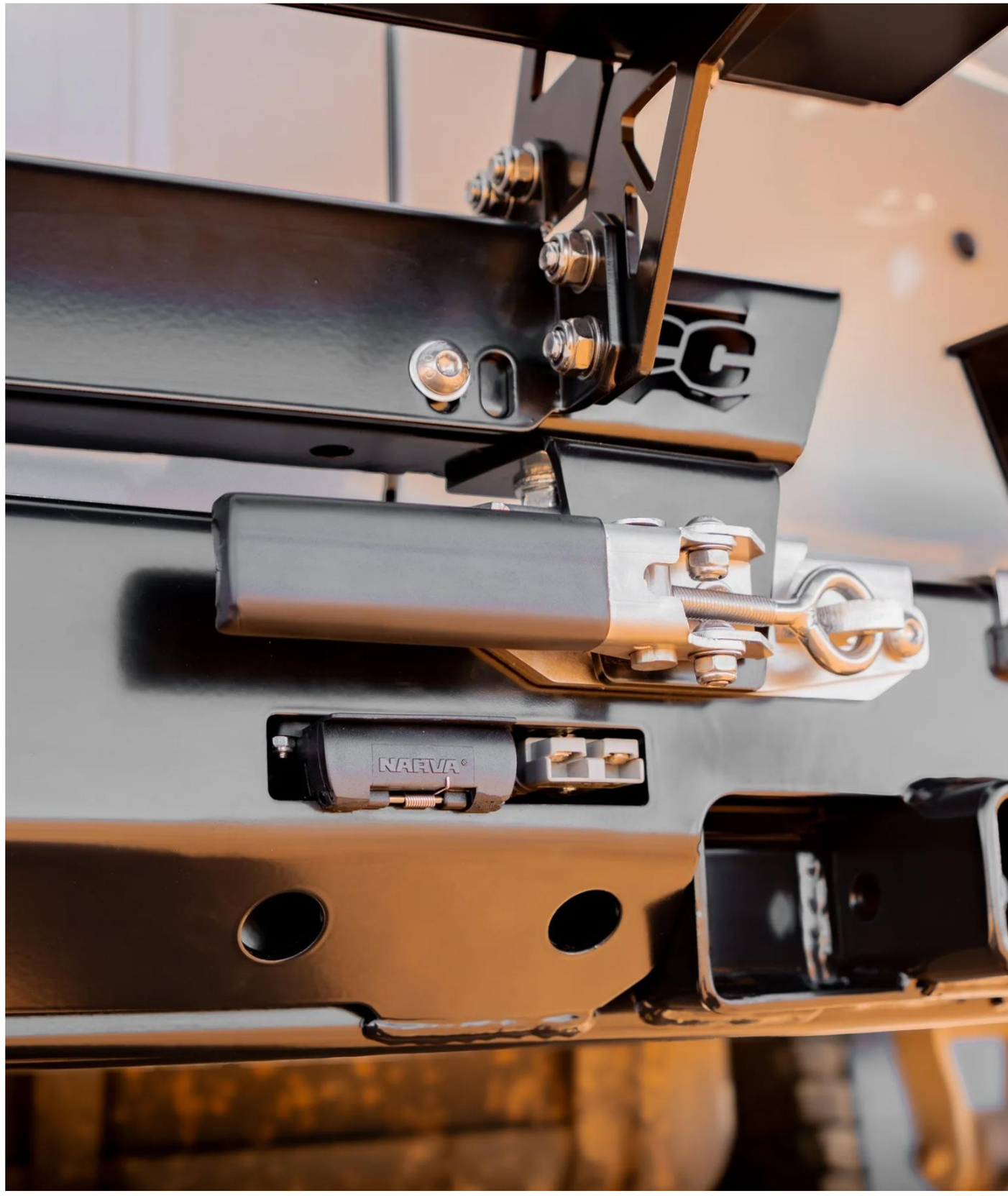
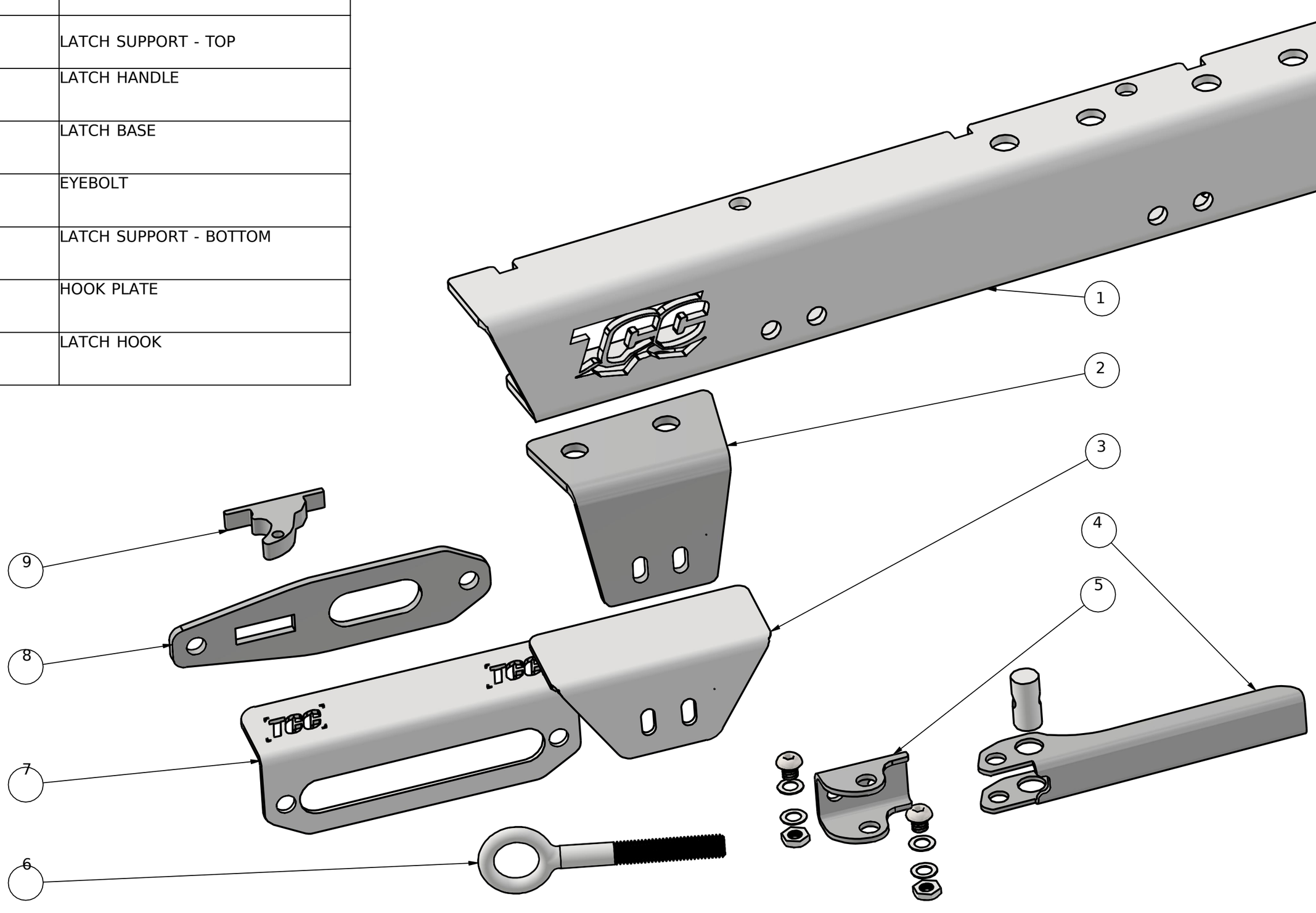


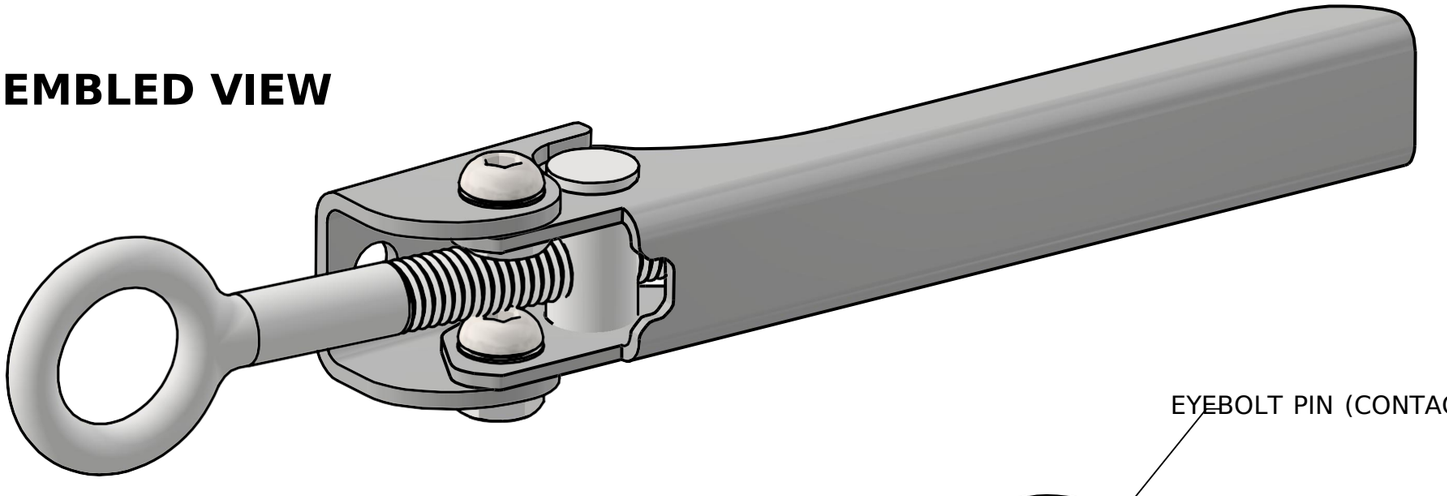
TABLE		
ITEM	QTY	ITEM NAME
1	1	TCC CARRIER ARM
2	1	LATCH DROP DOWN
3	1	LATCH SUPPORT - TOP
4	1	LATCH HANDLE
5	1	LATCH BASE
6	1	EYEBOLT
7	1	LATCH SUPPORT - BOTTOM
8	1	HOOK PLATE
9	1	LATCH HOOK



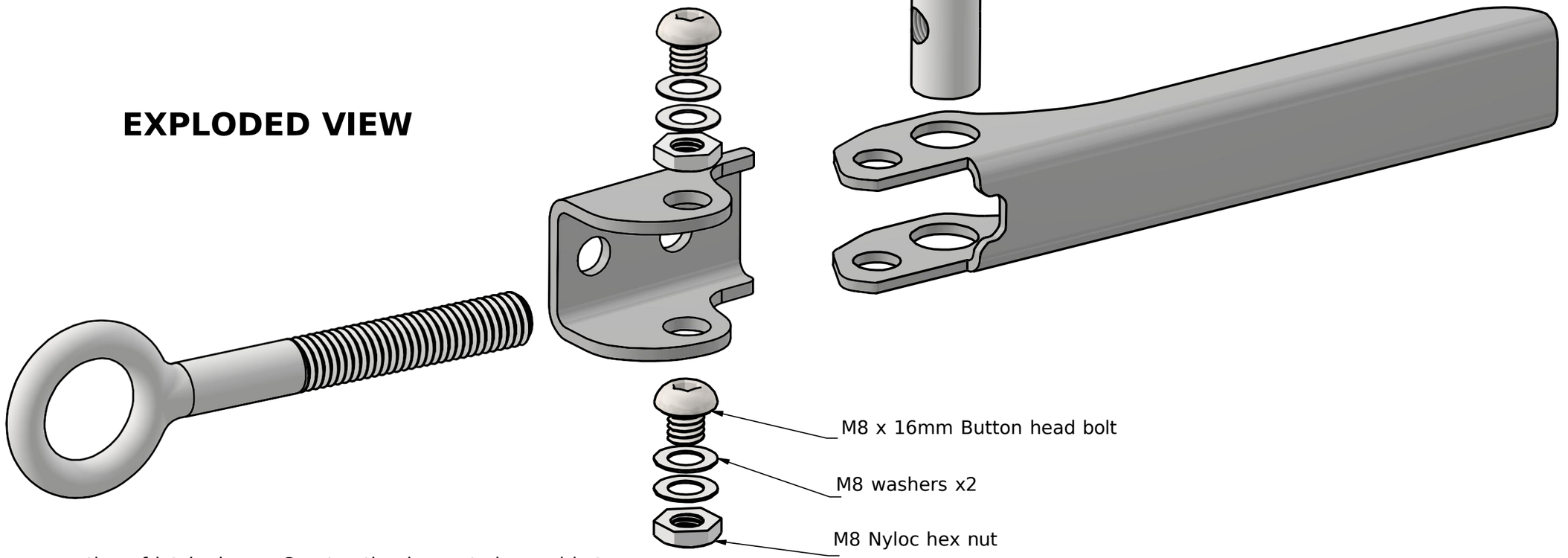
1. LATCH ASSEMBLY

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



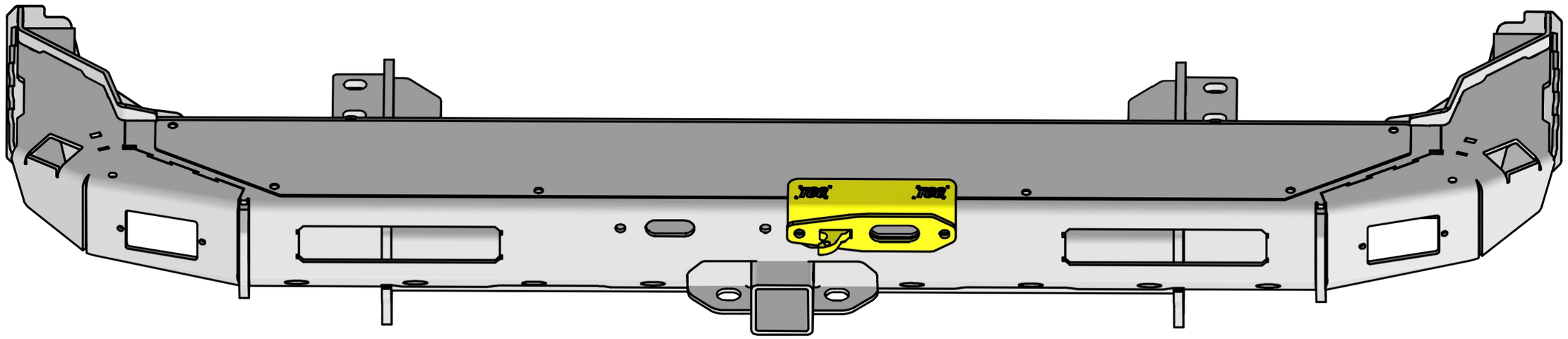
EXPLODED VIEW



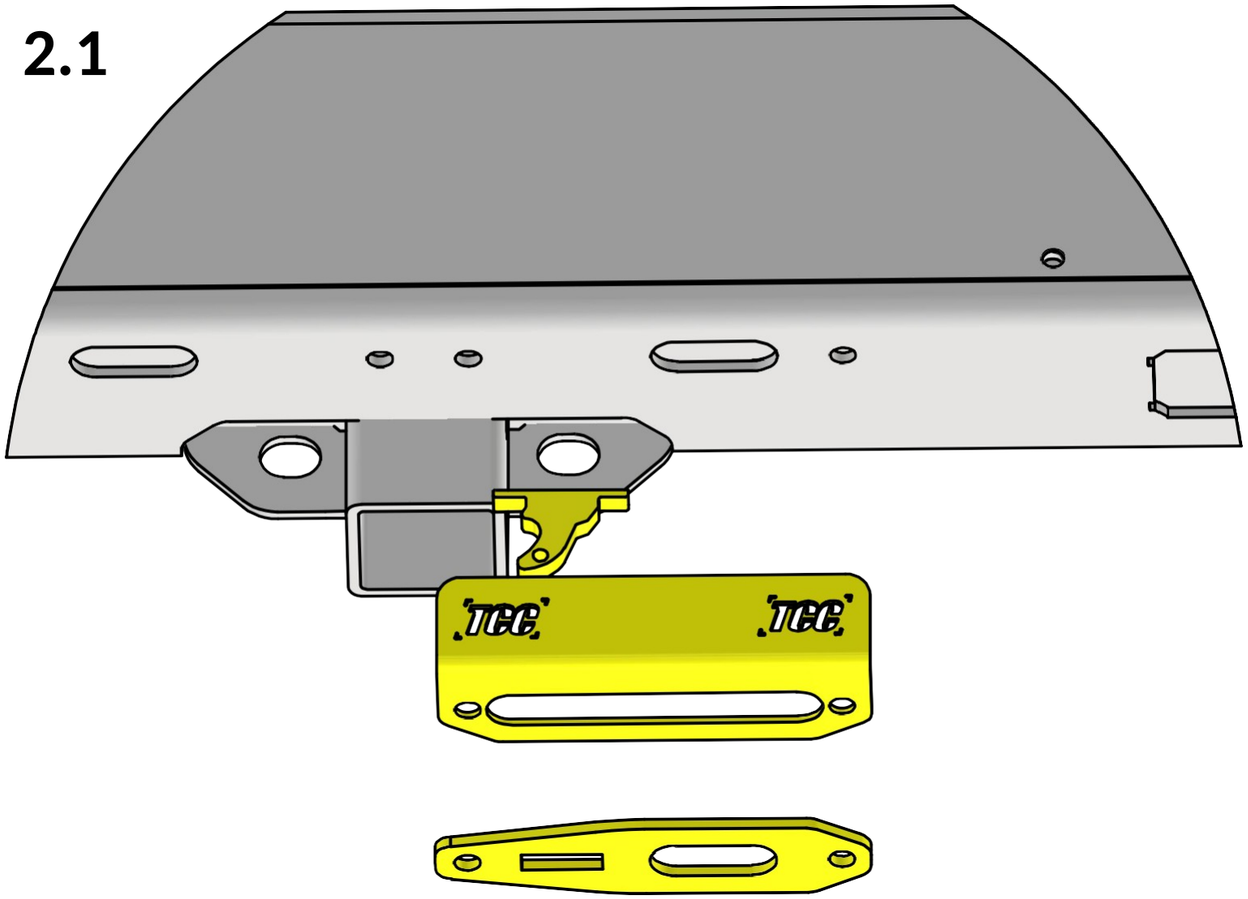
please note: previous generation of latch shown. Construction has not changed between generations.

2. JOINING LATCH TO REAR BAR

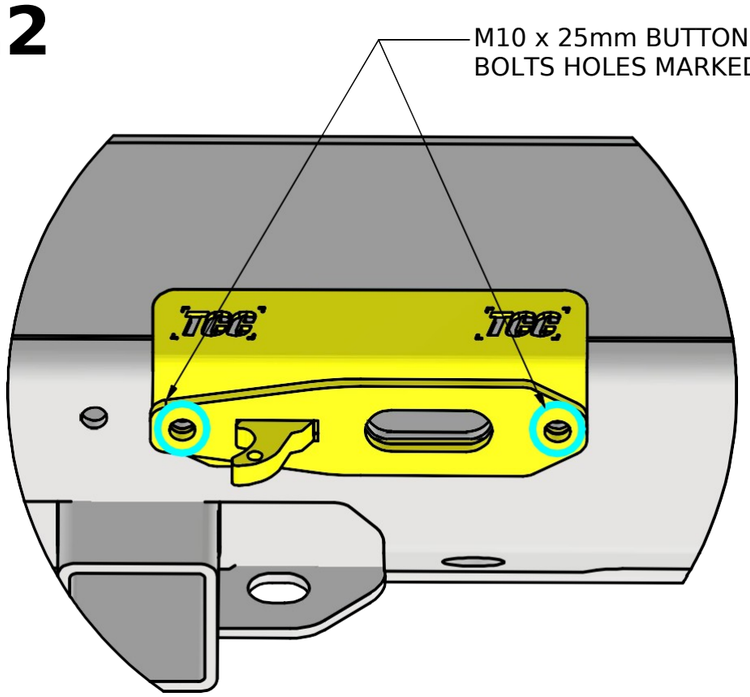
BAR BASE



2.1



2.2



NOTE ORIENTATION OF ALL PARTS SHOWN

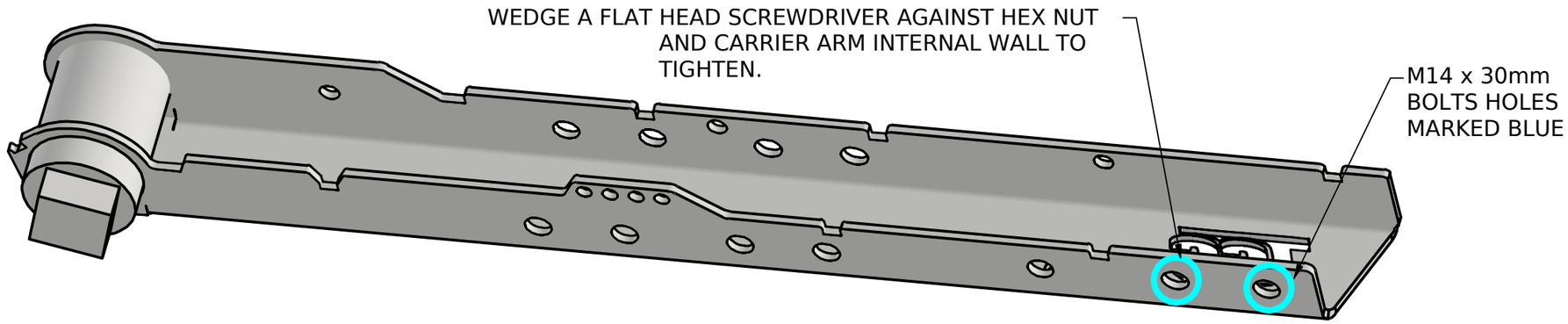
3. JOINING LATCH TO REAR BAR

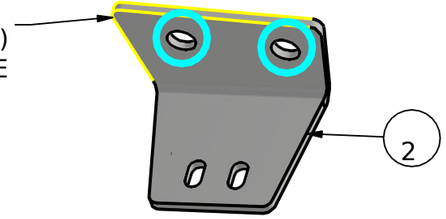
CARRIER ARM

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

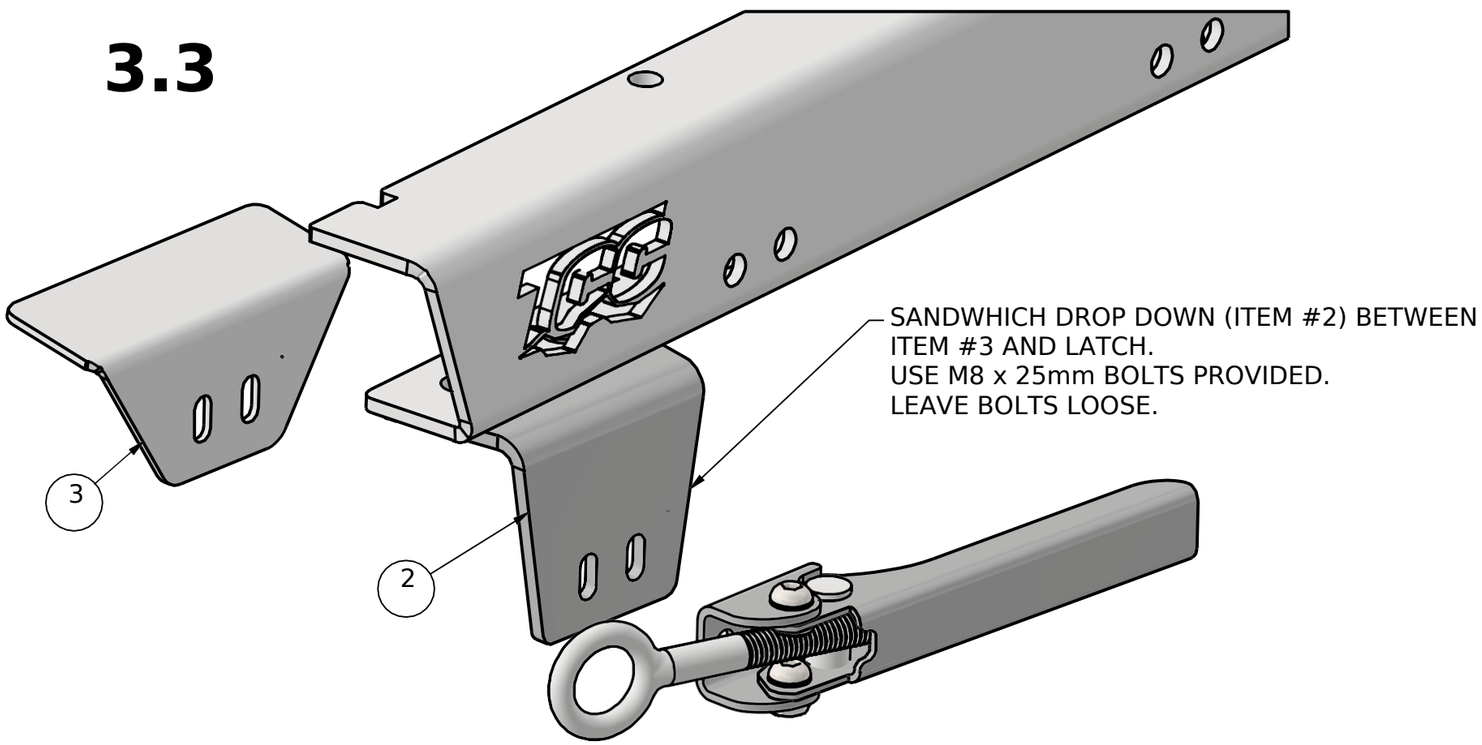
3.2

REAR VIEW OF PASSENGER SIDE ARM





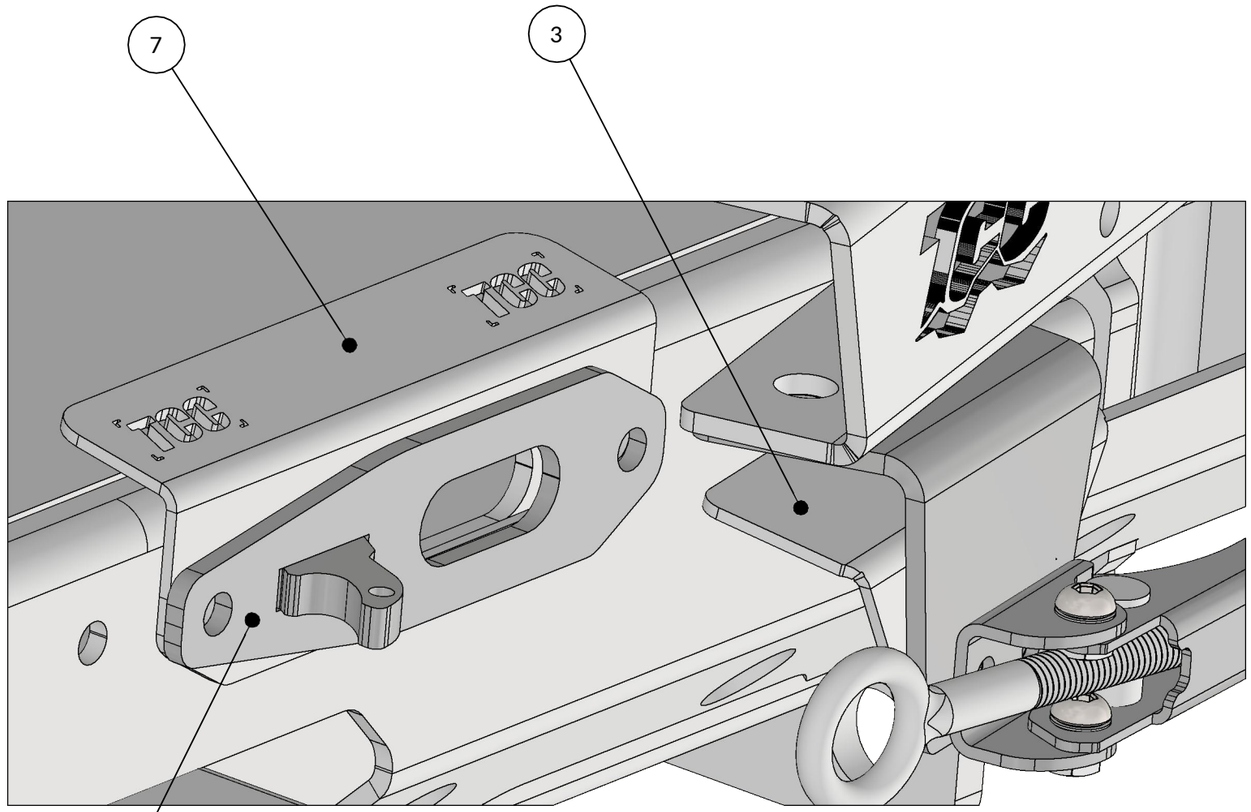
3.3



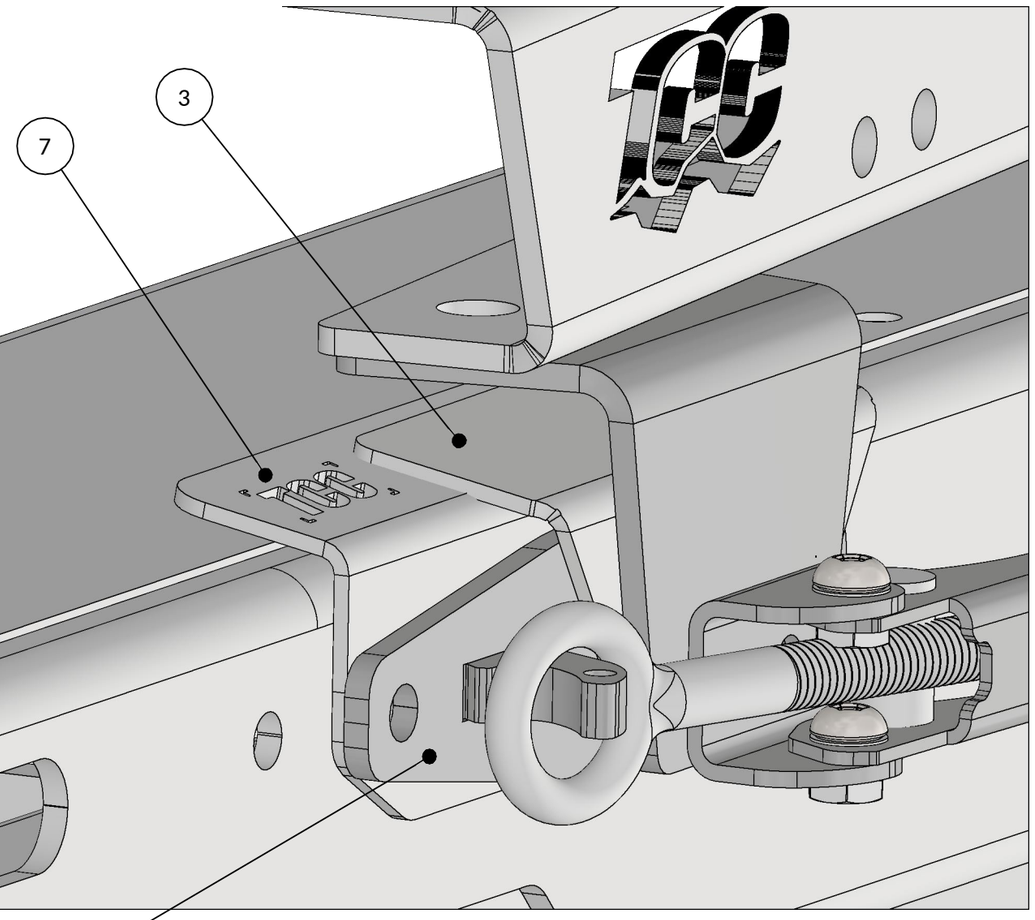
3. JOINING LATCH TO REAR BAR

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**.



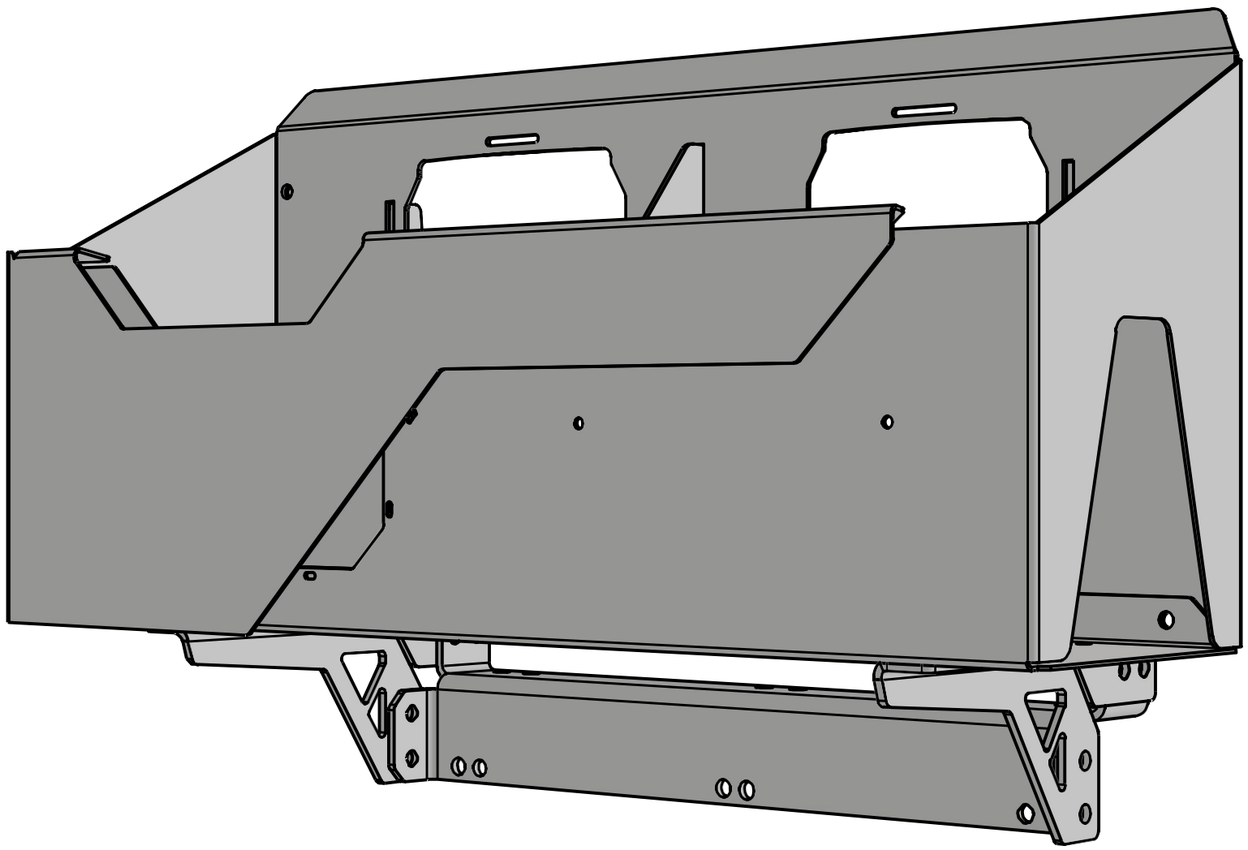
CARRIER ARM OPEN

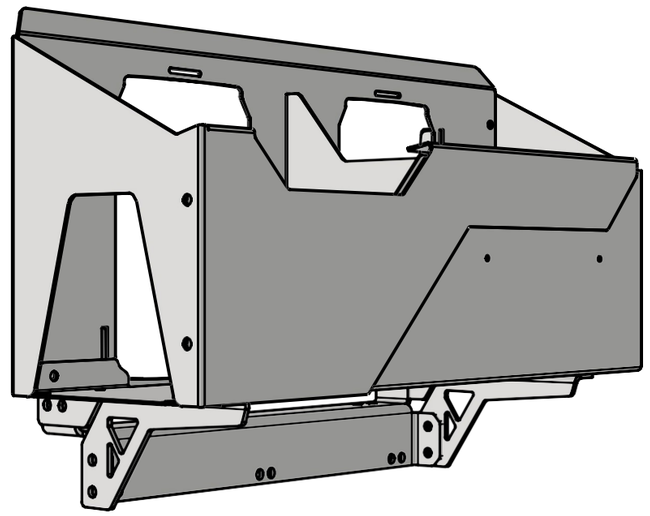


CARRIER ARM CLOSED

TCC JERRY/GAS HOLDER

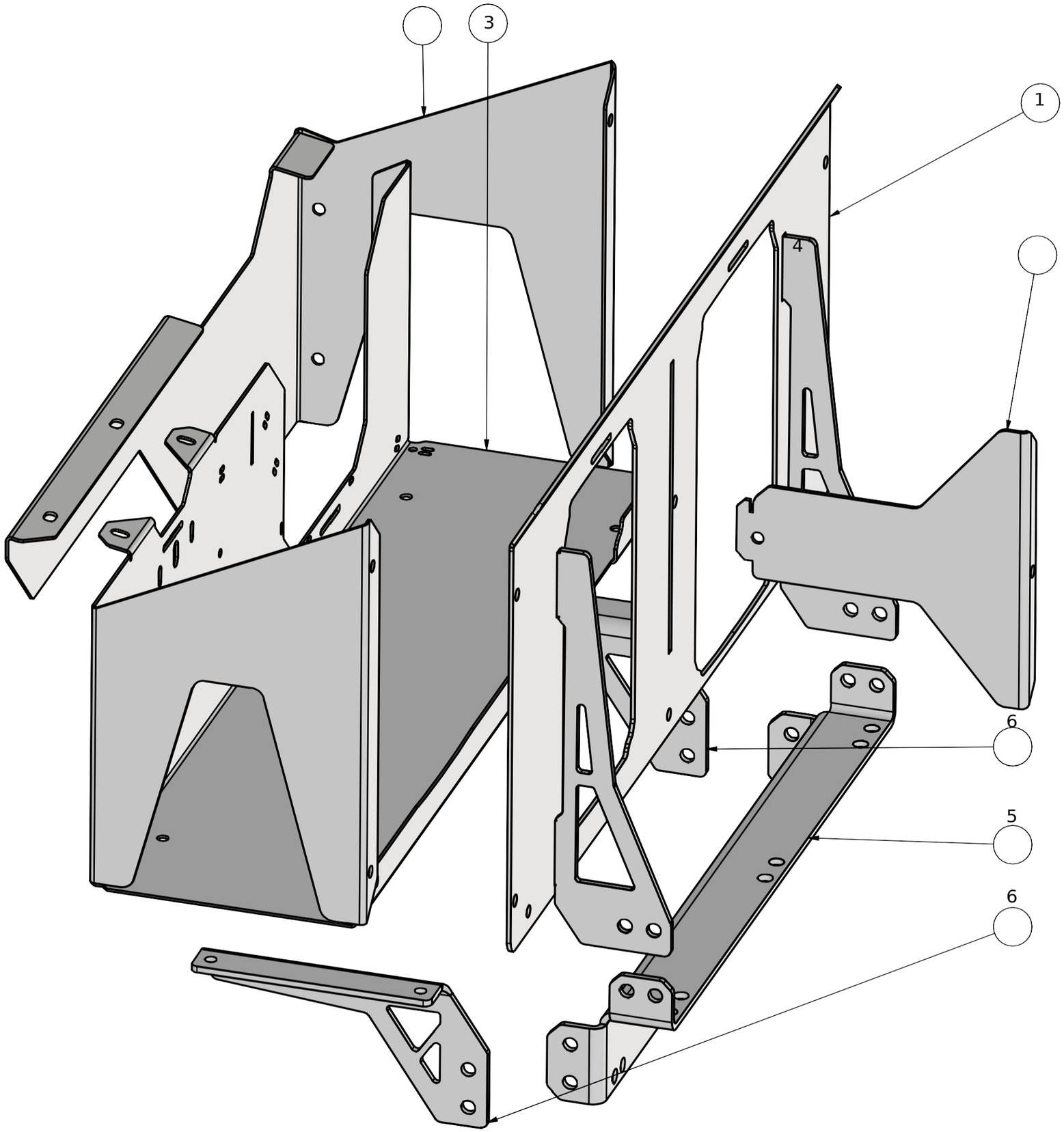
ASSEMBLY INSTRUCTIONS





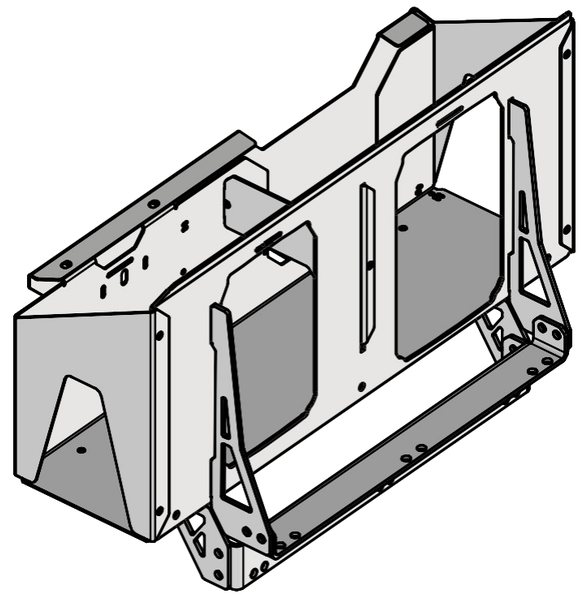
AUSTRALIAN MADE®

2



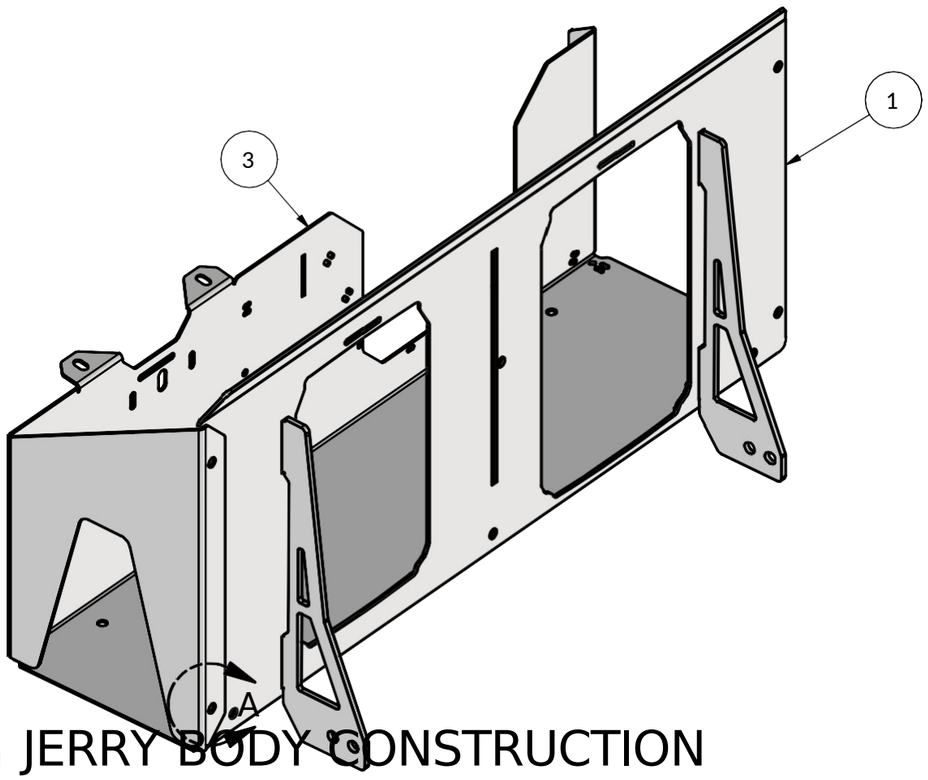
PARTS LIST		
ITEM	QTY	DESCRIPTION
1	1	JERRY BACKING
2	1	JERRY FRONT COVER
3	1	JERRY INTERNAL
4	1	JERRY DIVIDER
5	1	UNIVERSAL SHELF BASE
6	2	JERRY LOWER GUSSET

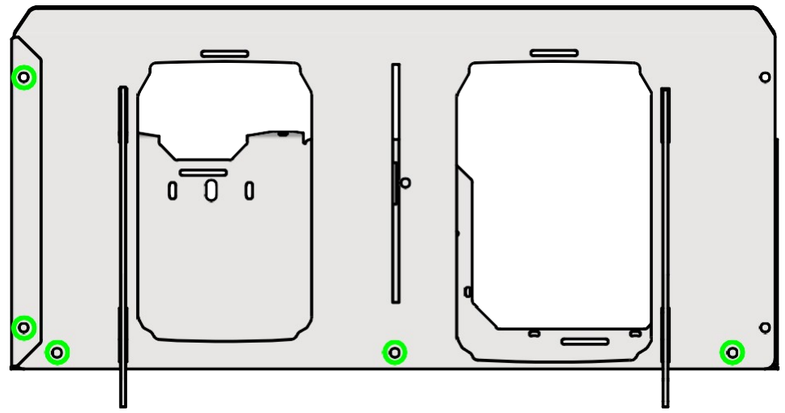
HARDWARE KIT (INCLUDED)	
QTY	DESCRIPTION
8	M10 X 25mm BUTTON HEAD BOLTS
6	M10 X 20mm BUTTON HEAD BOLTS
28	M10 WASHERS
14	M10 NUTS
16	M8 x 20mm BUTTON HEAD BOLTS
32	M8 WASHERS
16	M8 NUTS



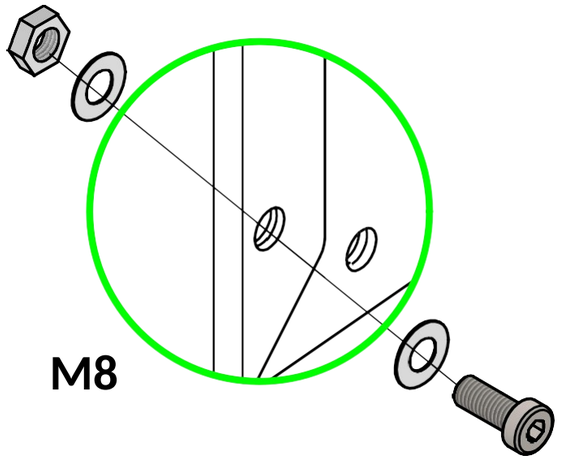
FULLY ASSEMBLED

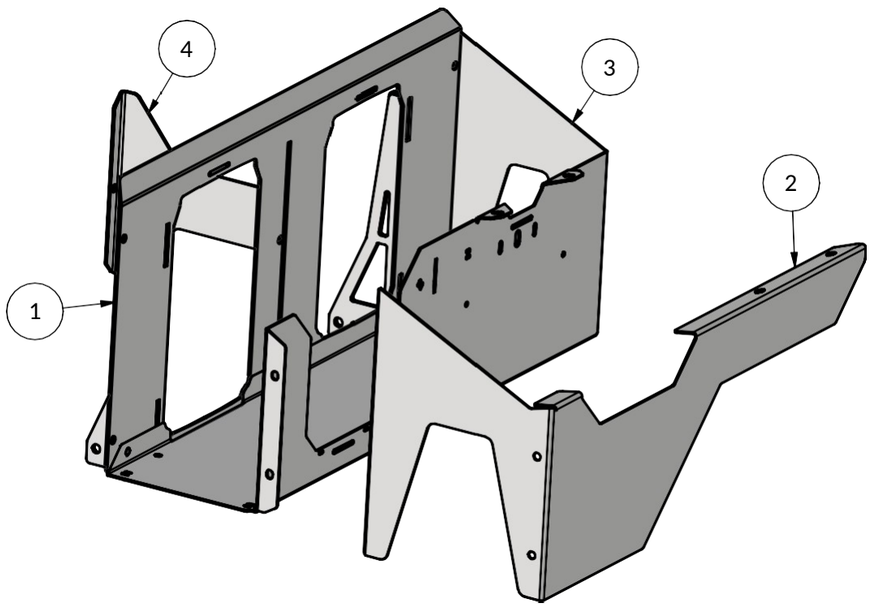
1. JERRY BODY CONSTRUCTION

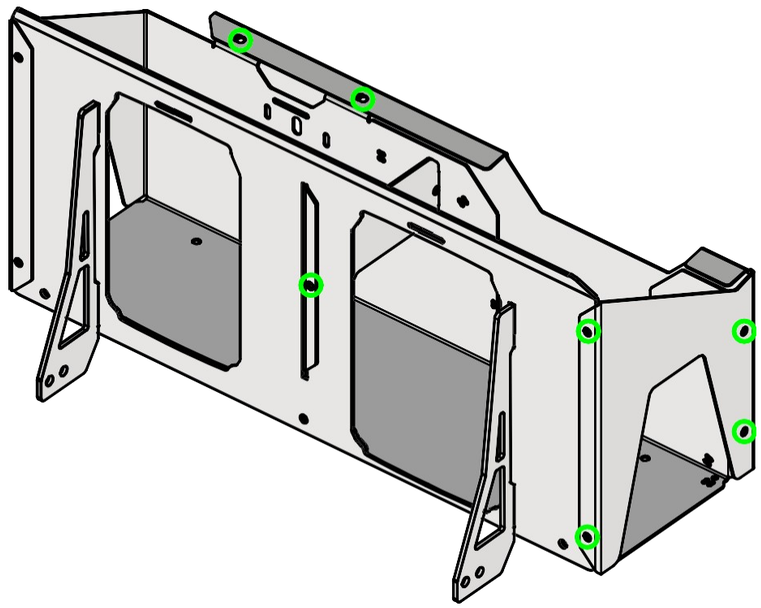




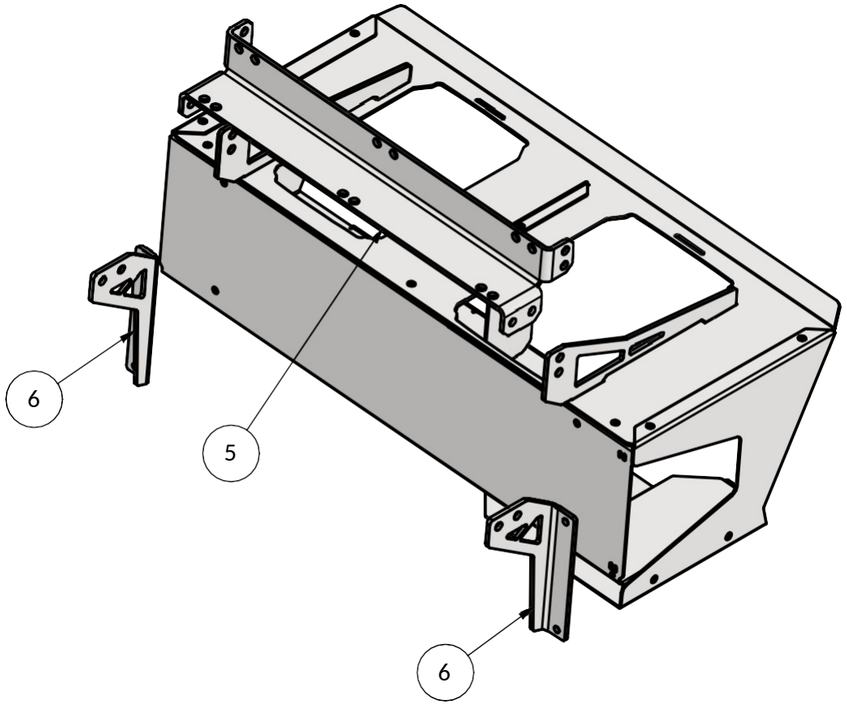
2. JERRY BODY CONSTRUCTION

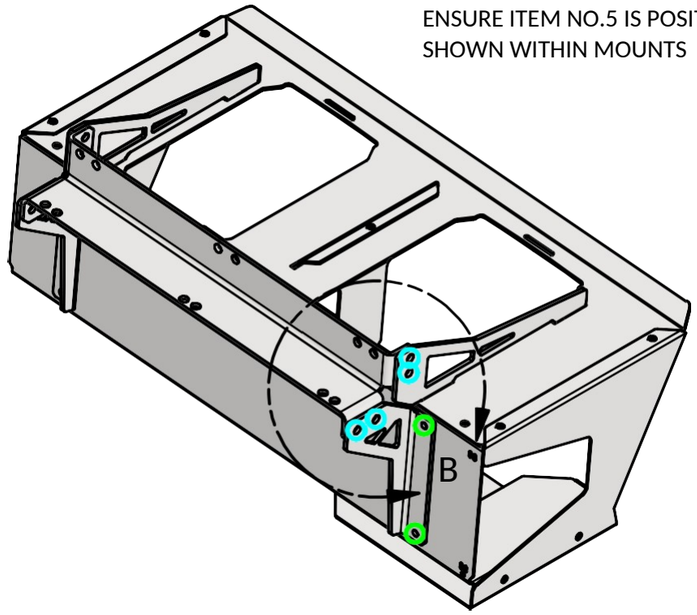




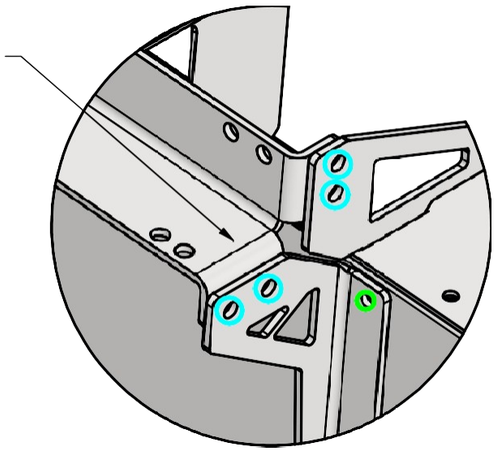


3. ATTACH UNIVERSAL MOUNT

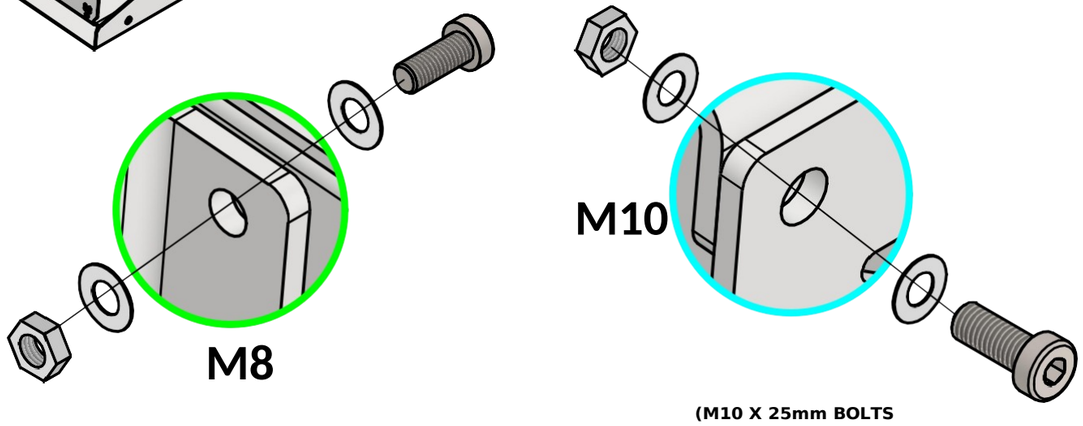




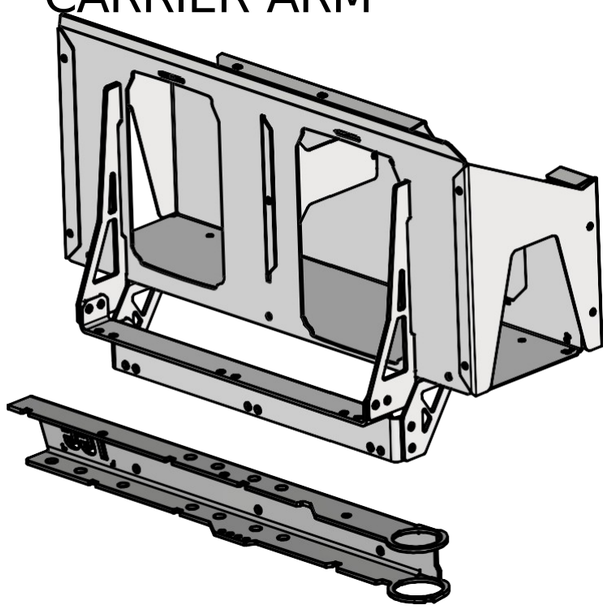
ENSURE ITEM NO.5 IS POSITIONED AS SHOWN WITHIN MOUNTS

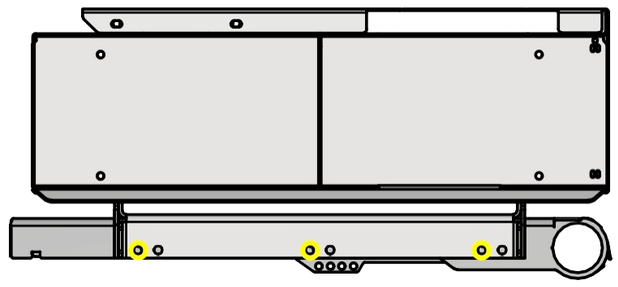


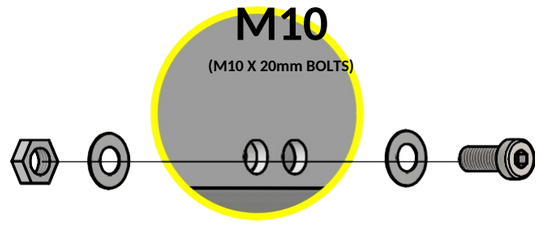
DETAIL B

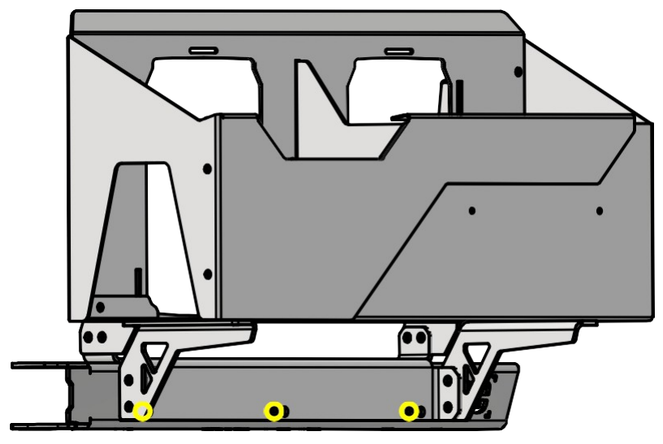


4. ATTACH ASSEMBLY TO CARRIER ARM







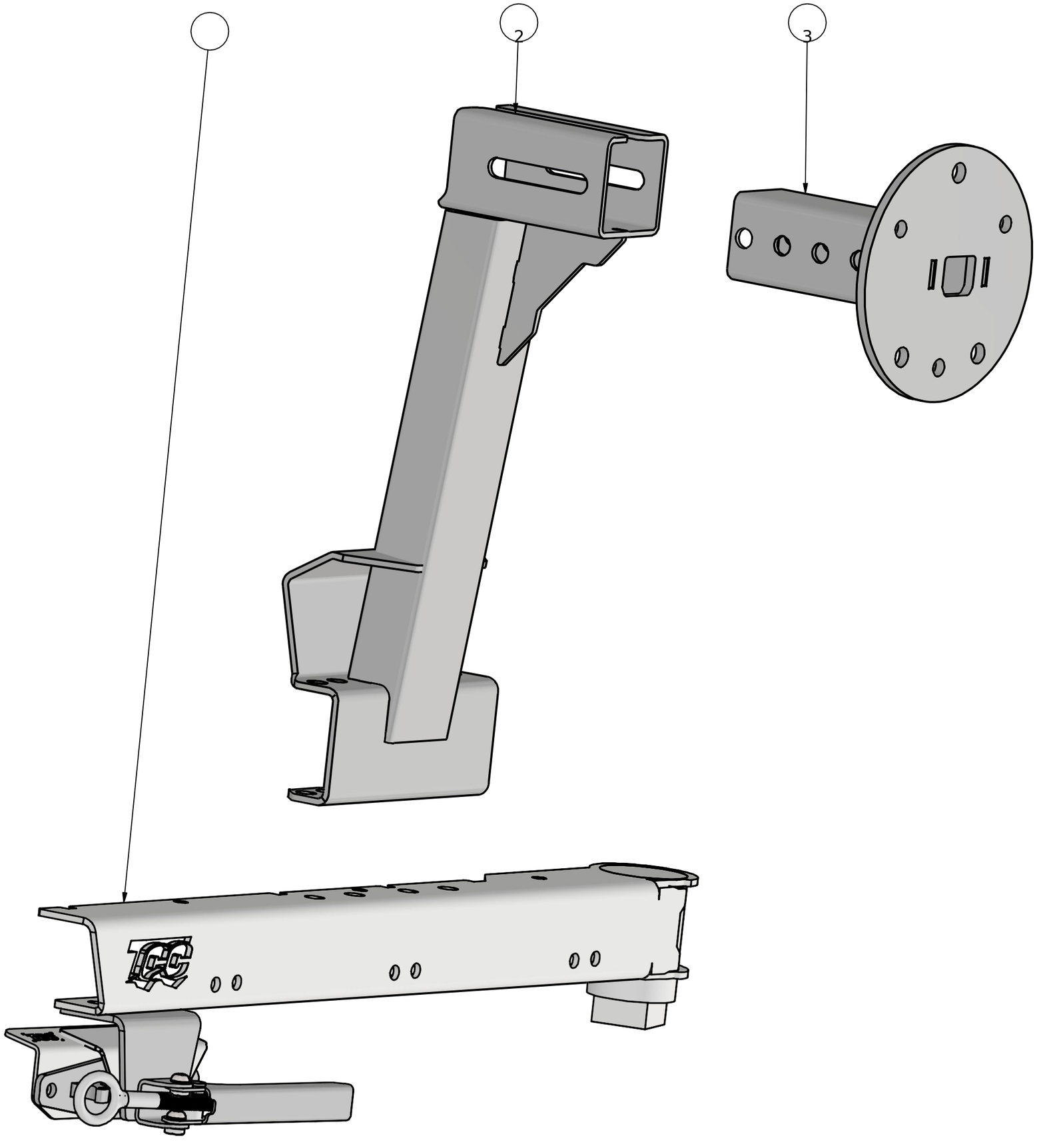


TCC TYRE UPRIGHT & TYRE HEAD

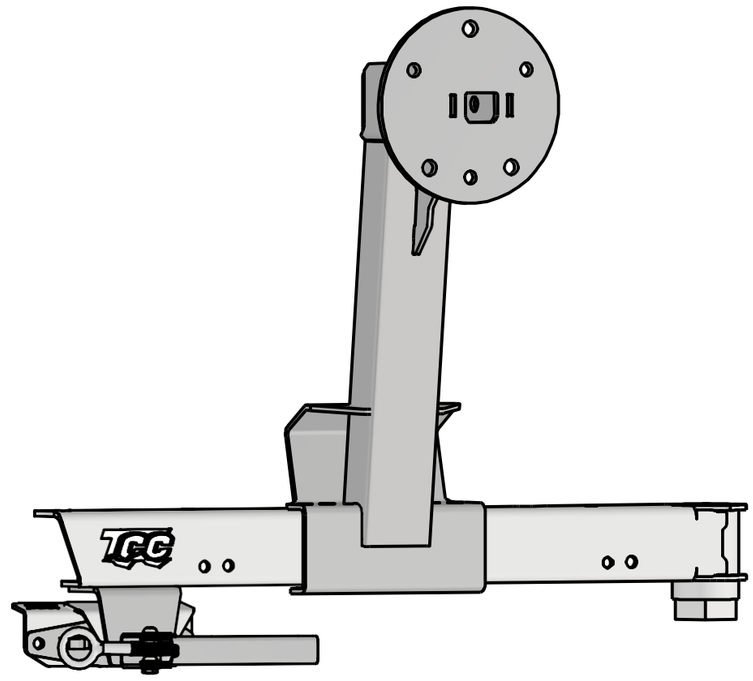
ASSEMBLY INSTRUCTIONS



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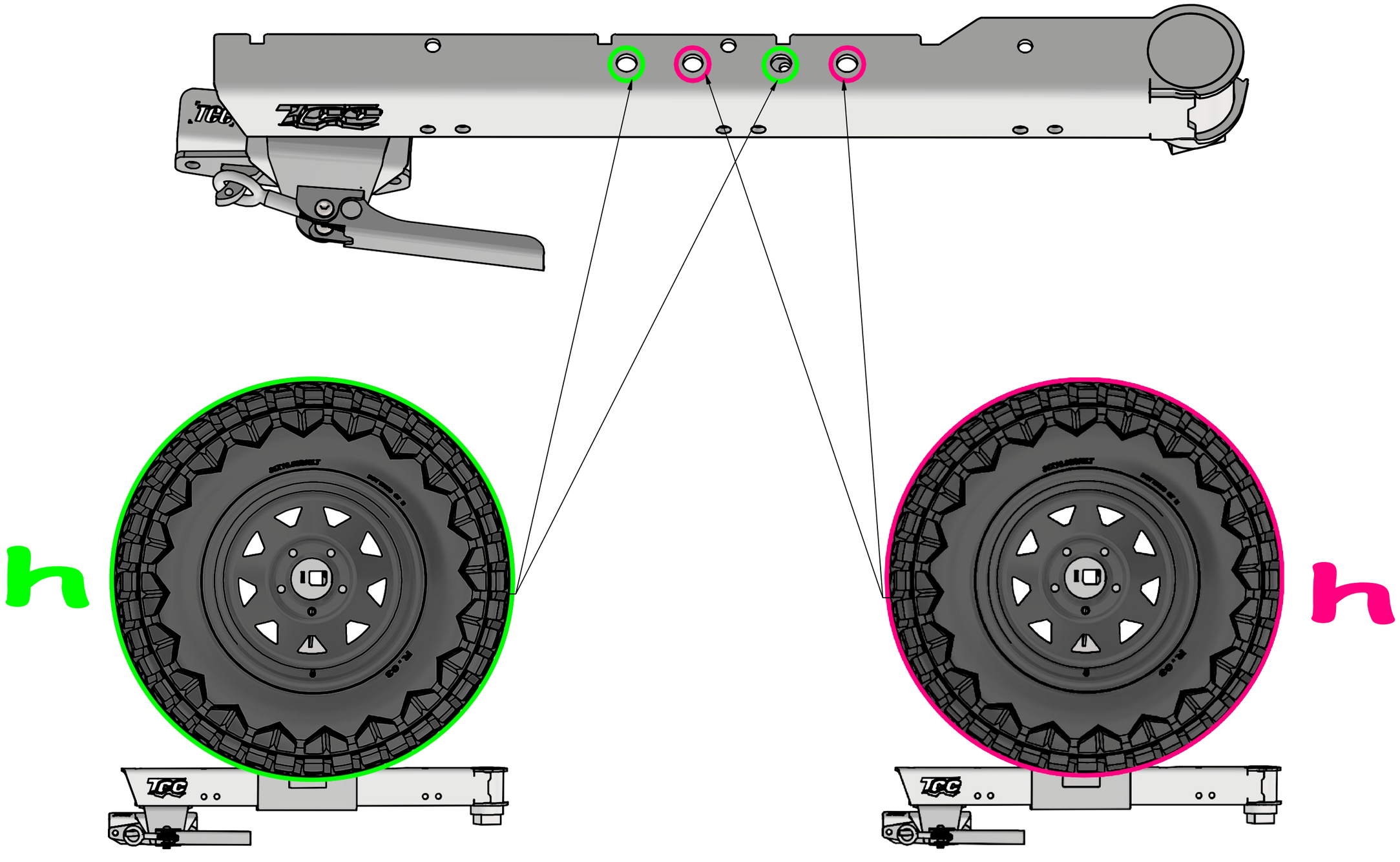
PARTS LIST		
ITEM #	QTY	PART NAME
1	1	TCC CARRIER ARM ASSEMBLY
2	1	TYRE UPRIGHT
3	1	TYRE HEAD



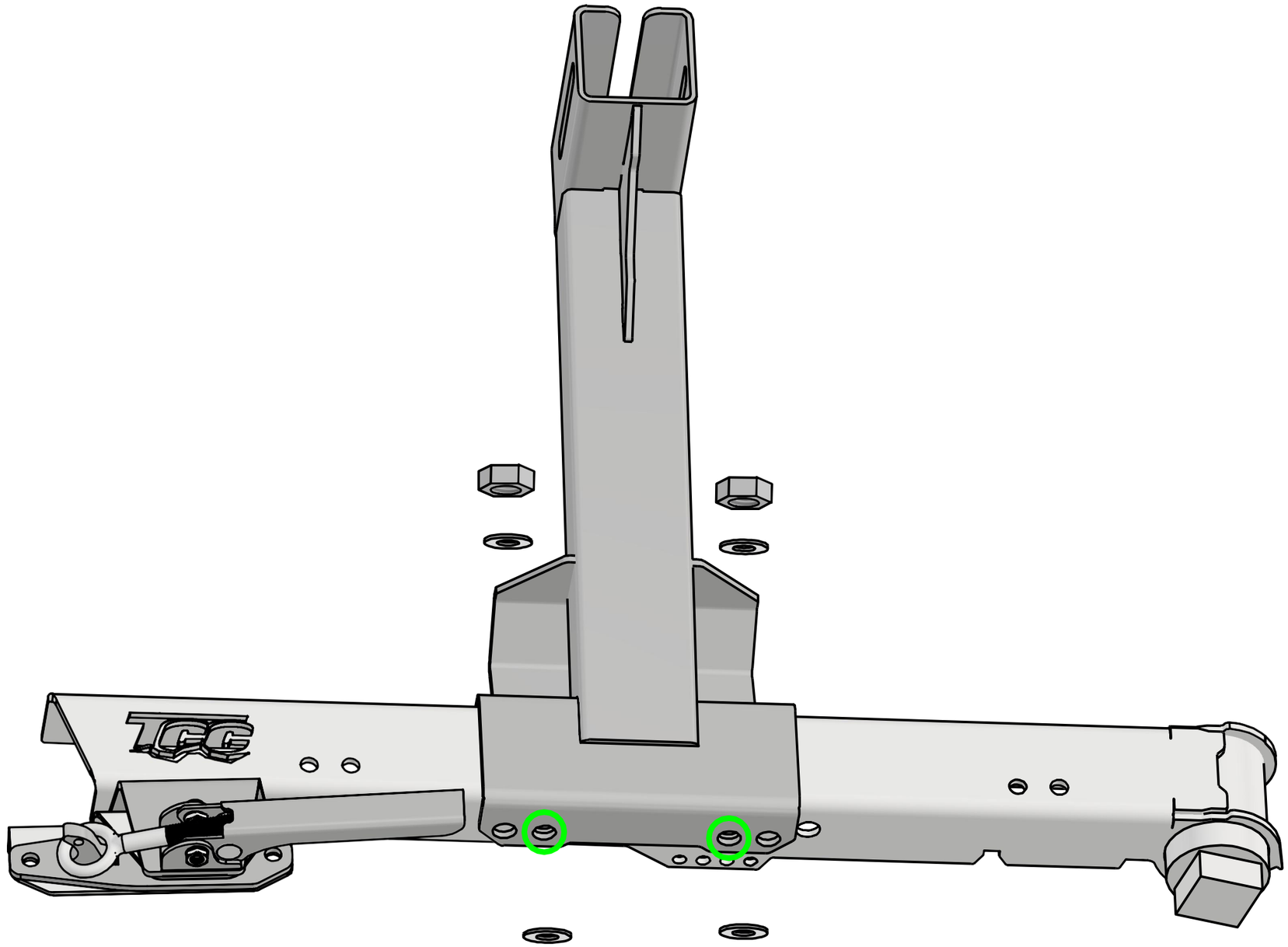
ASSEMBLED VIEW

1. INSTALL THE TYRE UPRIGHT

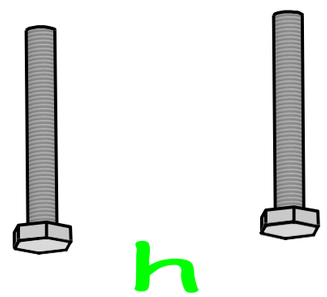
TCC Carrier Arm must be assembled prior to installation



2. INSTALL TYRE UPRIGHT

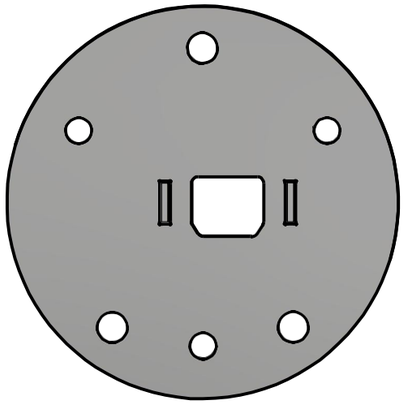


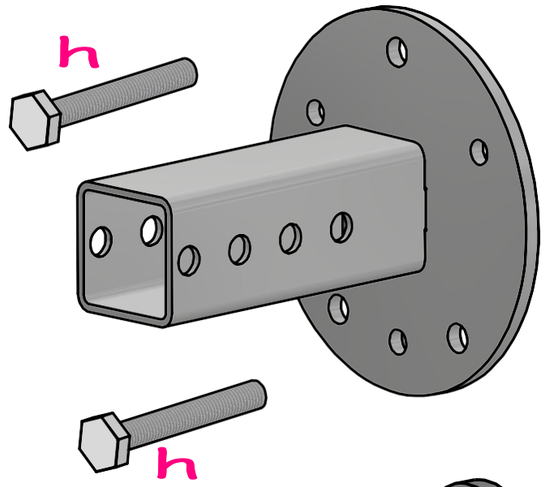
M14 x 110mm
BOLTS M14
WASHERS

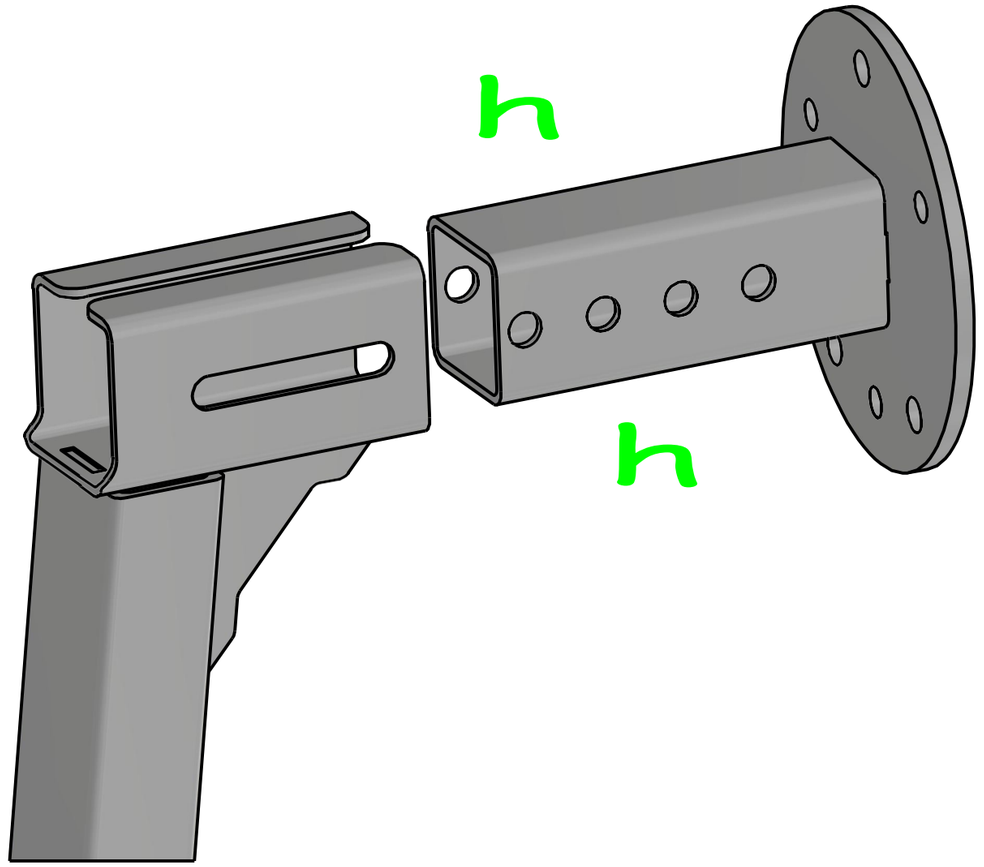


M14 NUTS DOUBLE CHECK
CLEARANCE TO REAR OF VEHICLE
ADJUST BUMP STOP AS REQUIRED

3. MOUNT TYRE HEAD

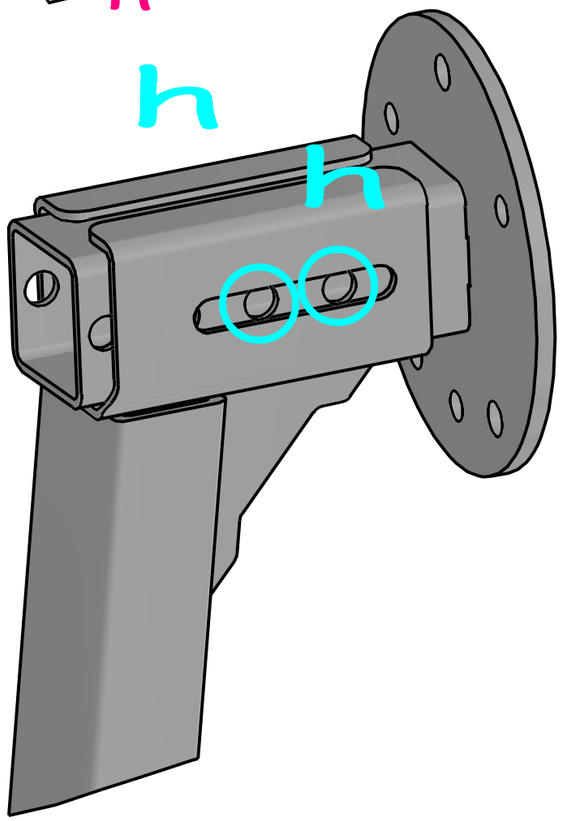






LARGE HOLES: 5 X 150 STUD PATTERN

SMALL HOLES: 6 X 139.7 STUD PATTERN



ADJUST IN/OUT FOR WHEEL OFFSET

M14 x 30mm BOLTS
M14 WASHERS
M14 NUTS



