TCC LC 75 & 78 TROOPY REAR BAR (NO INTEGRATED TOWBAR)

& LC 76 REAR BAR (NO 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.

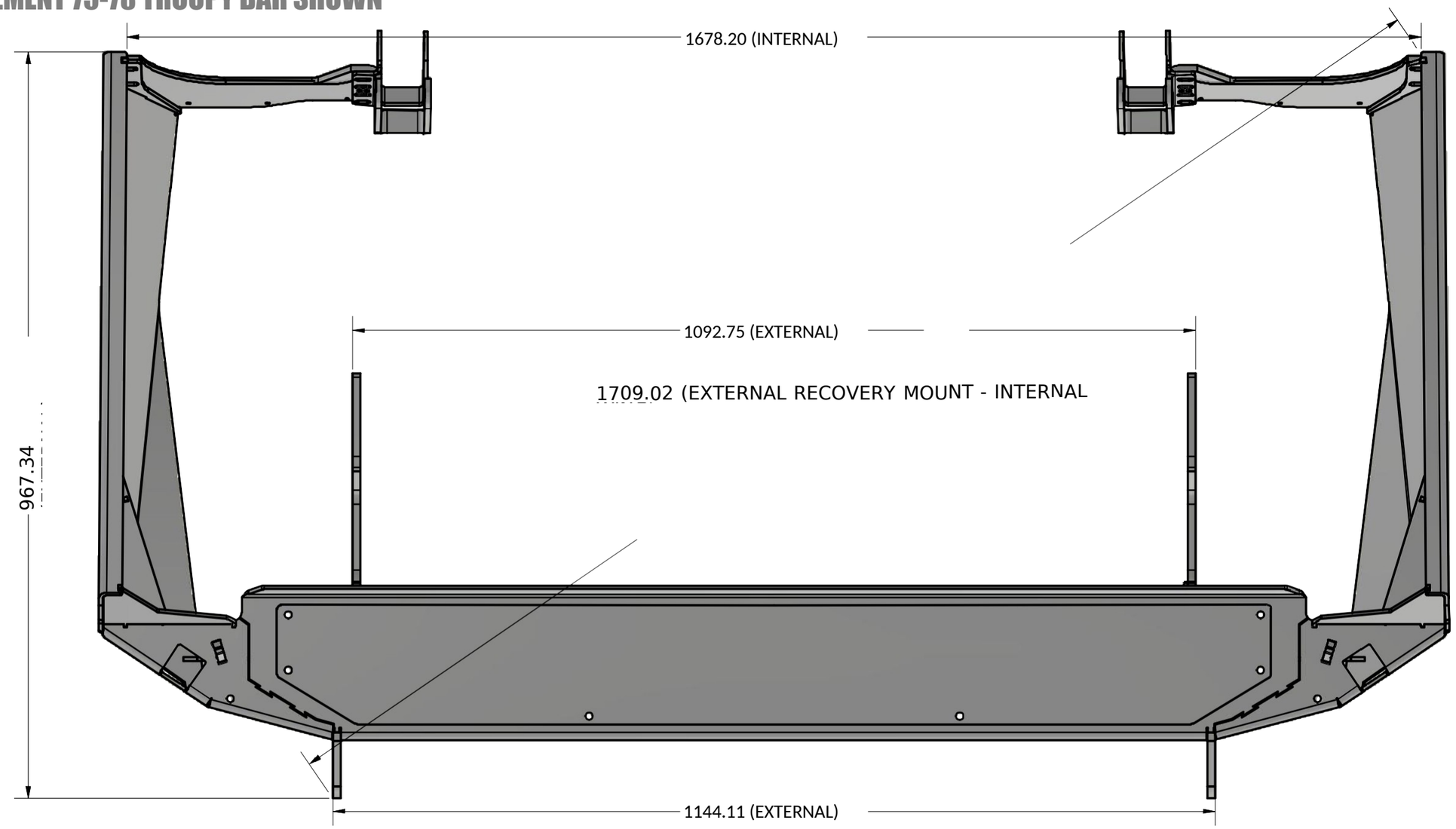
VERSION 1 - 22/10/24

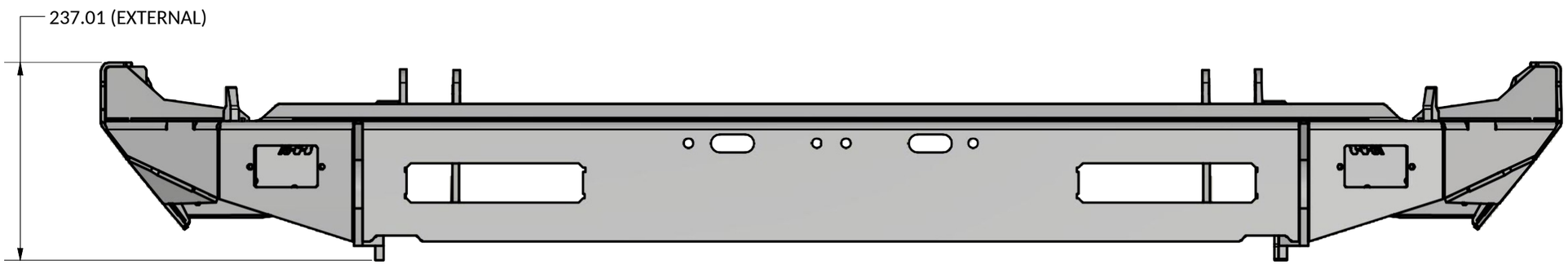


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GENERAL DIMENSIONS

ALL UNITS IN MM
EXTERNAL / INTERNAL REFERS TO START & END POINTS FOR MEASUREMENT 75-78 TROOPY BAR SHOWN

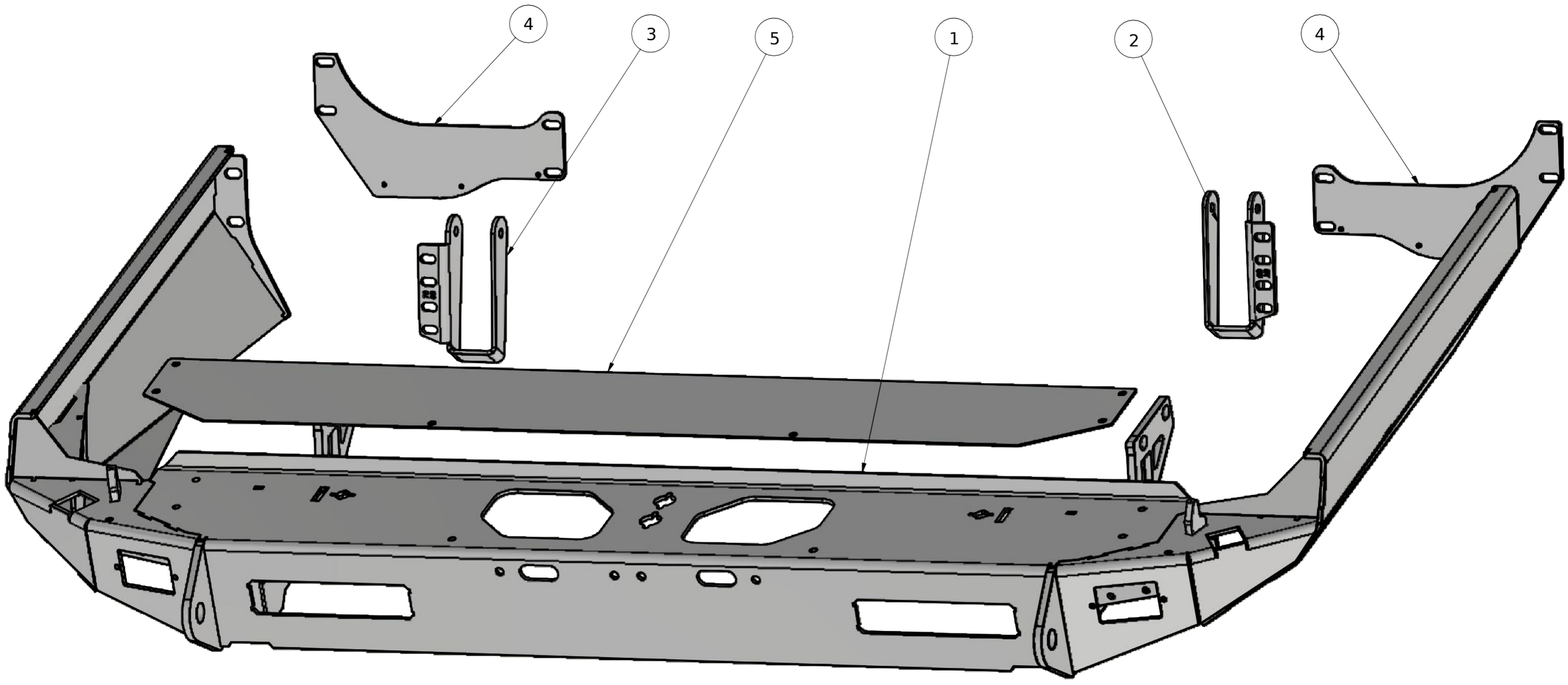




BAR BASE ASSEMBLY

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	1	WING TO CHASSIS PLATE
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

PLEASE USE LOCTITE ON ALL FASTENERS.

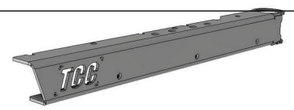
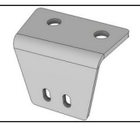


1. PREPARING FOR INSTALL

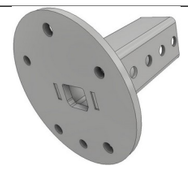
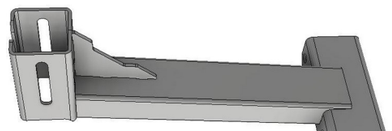
BAR BASE - DETAILED IN ASSEMBLY VIEW (PAGE 3)

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		

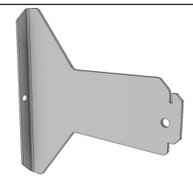
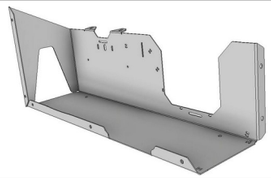
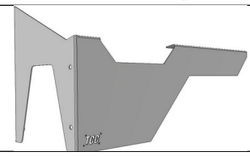
TYRE CARRIER

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	

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.

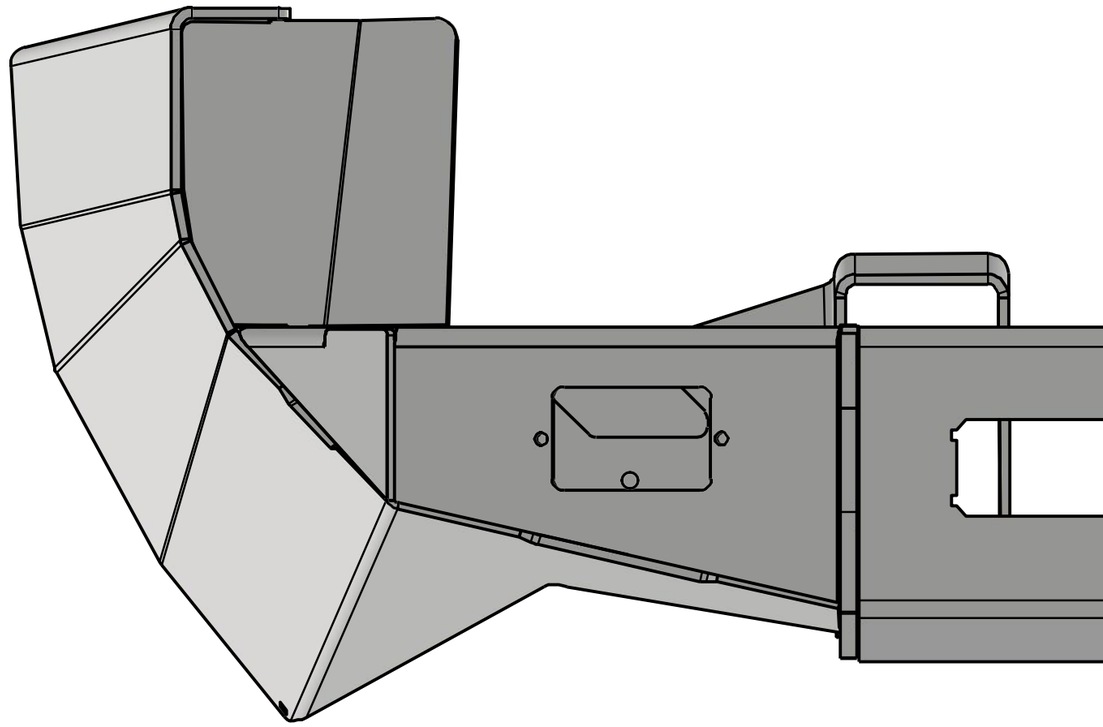
- Keep external joins and moving components properly protected with a lubricant such as Lanolin.

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

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

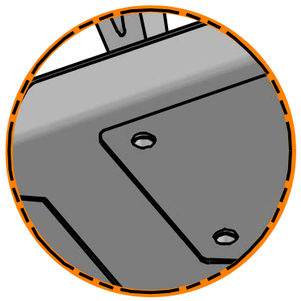
- Do not wash the product with any harsh chemicals.

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

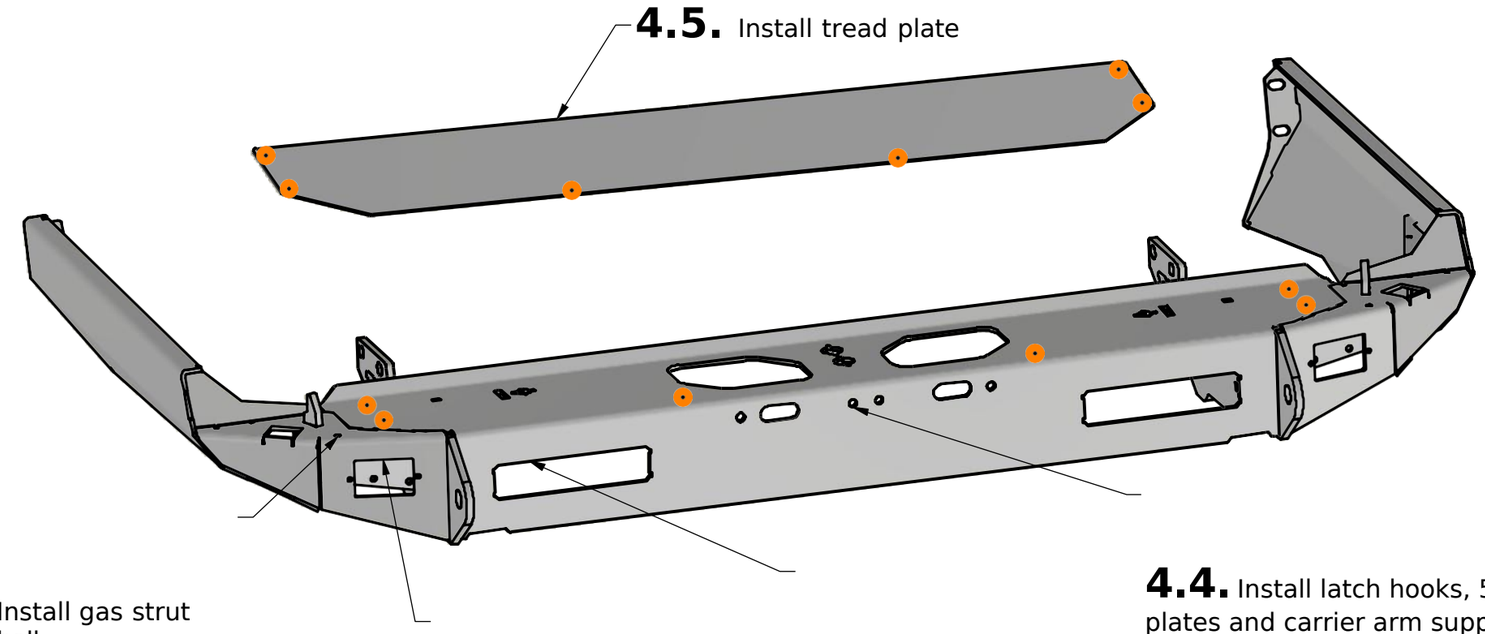


4. REAR BAR INSTALL

FITTING THE ACCESSORIES



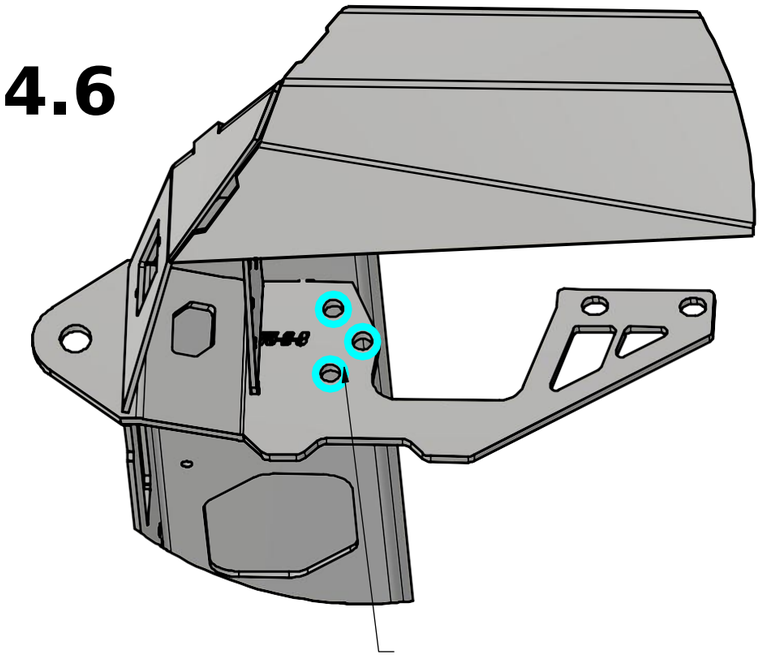
M8 X 15mm
BOLTS M8
WASHERS
M8 HEX NUTS



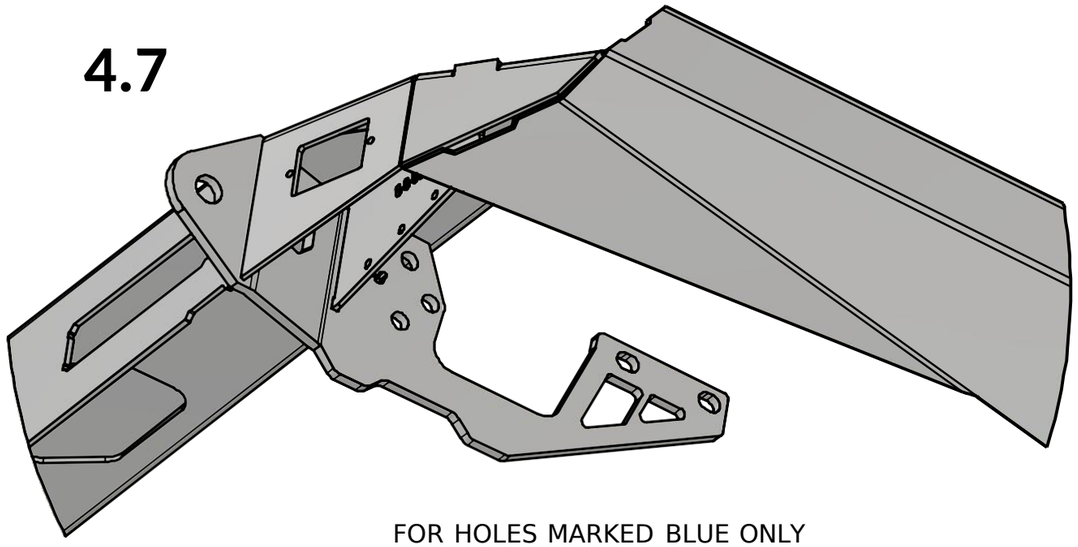
4.1 Install gas strut ball.

4.2. Install reverse lights

4.6



4.7



FOR HOLES MARKED BLUE ONLY
ON CAR - DRILL CAPTIVE NUTS IN CHASSIS OUT TO 14MM

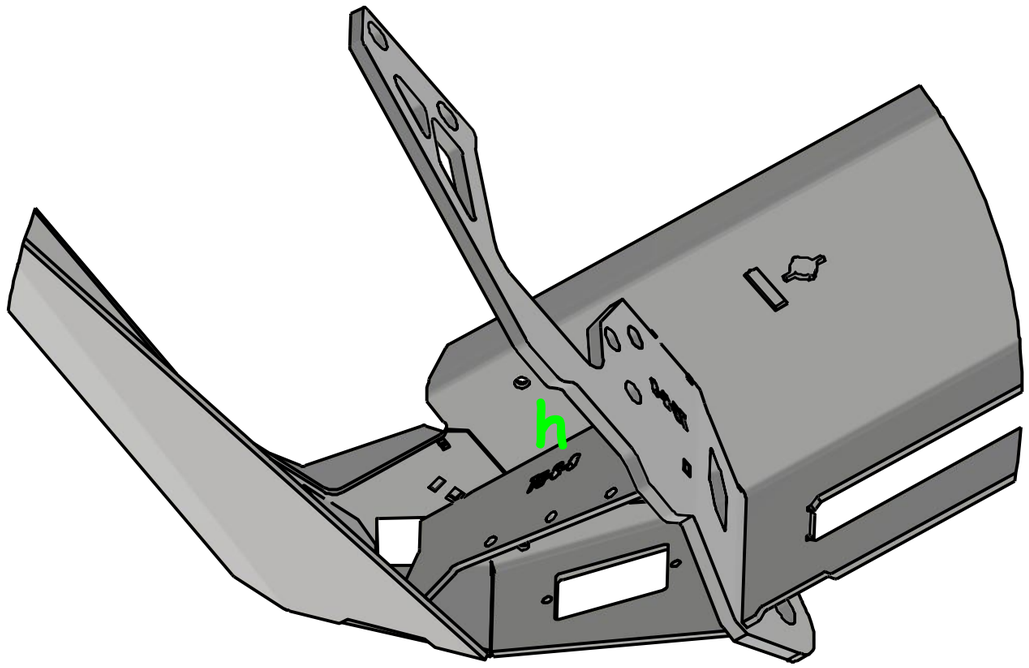
REPEAT ON BOTH SIDES.

h

INSERT PROVIDED NUTPLATES INTO CHASSIS 3 X NUTPLATES REQUIRED PER SIDE
ALIGN TO HOLES DRILLED IN CHASSIS IN **STEP 4.6**

5. REAR BAR INSTALL

PREPARING FOR FITMENT TO THE VEHICLE



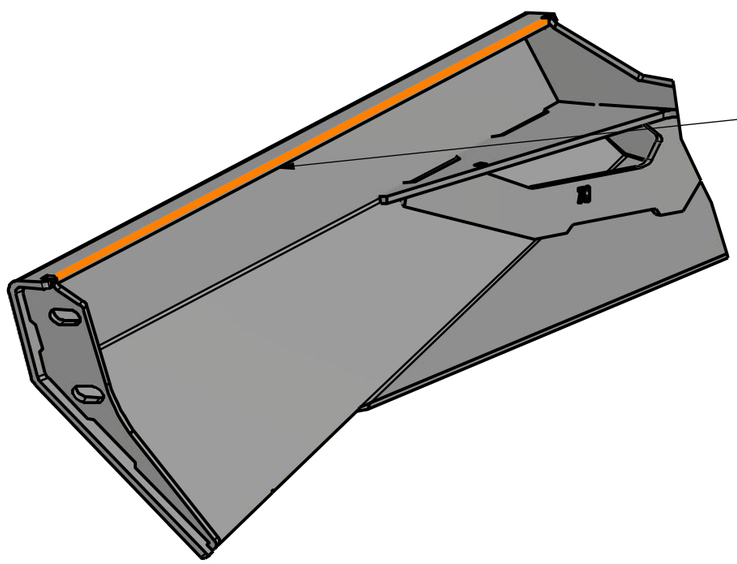


5.1 THIS REAR BAR HAS BEEN DESIGNED TO WORK IN CONJUNCTION WITH THE FACTORY TOWBAR. TEST FIT TO CONFIRM NUMBER OF SHIMS REQUIRED

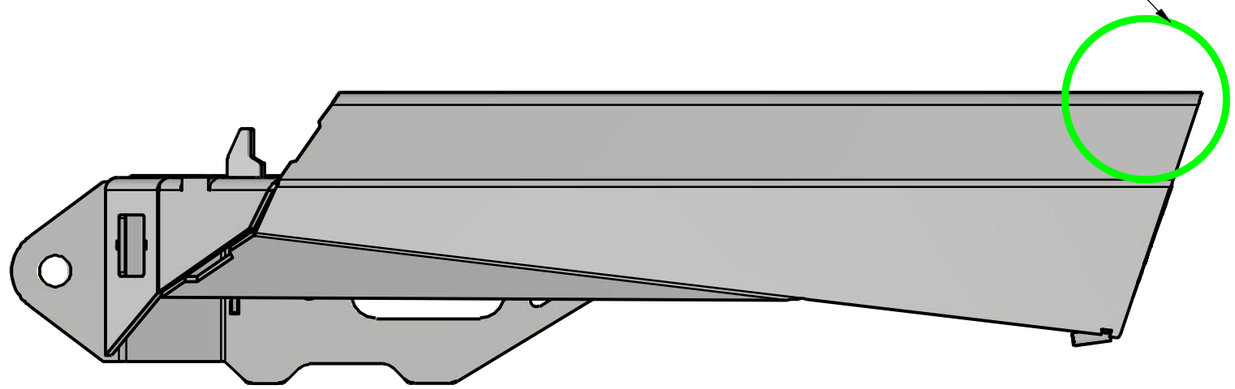
IF TOWBAR IS FITTED: FIT REAR BAR OVER TOWBAR. INSERT SHIMS BETWEEN REAR BAR AND TOWBAR IF GAP IS

IF TOWBAR IS NOT FITTED: SHIMS REQUIRED. STACK SHIMS EVENLY BETWEEN REAR BAR AND CHASSIS UNTIL SNUG FIT ACHIEVED.

5.2 TEST FIT BAR WITH SHIMS AND TRIM FLARES (IF FITTED)
APPLY PINCHWELD TO CUT FLARE.



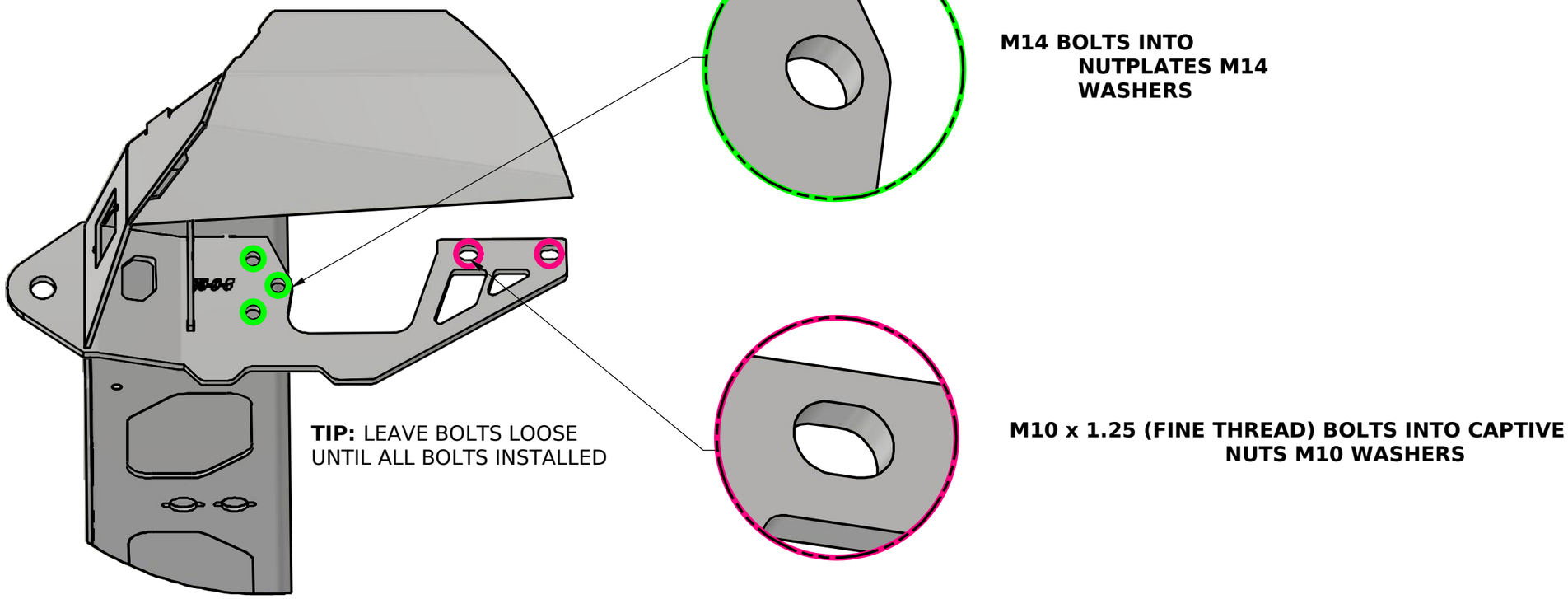
5.3 INSTALL BULB SEAL ON WING BEFORE INSTALLING BAR



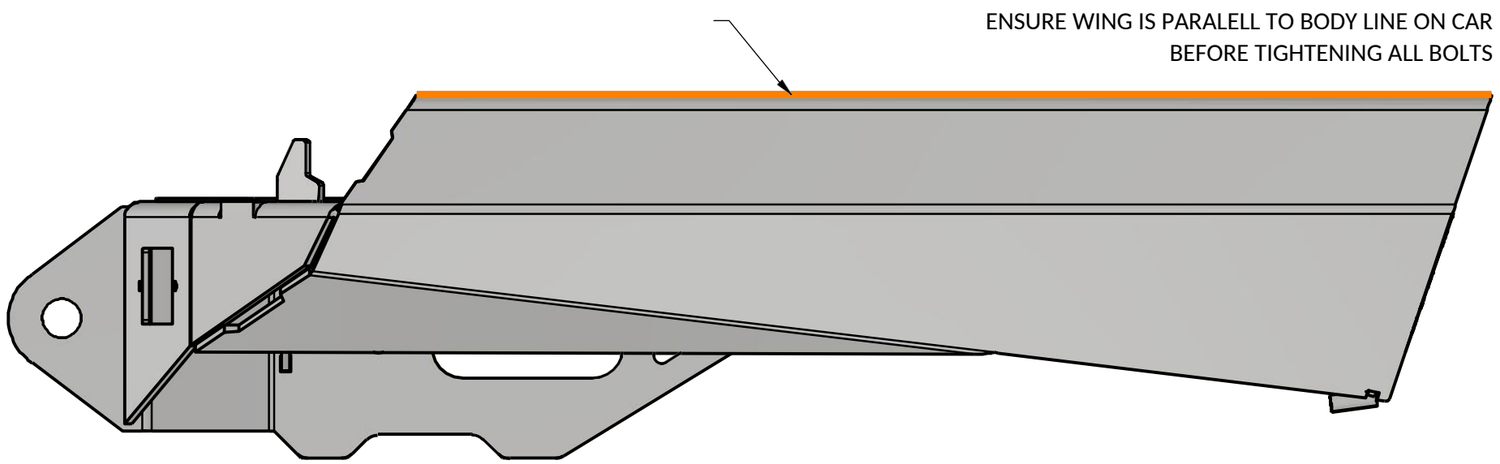
6. REAR BAR INSTALL

FITTING TO THE VEHICLE

6.1



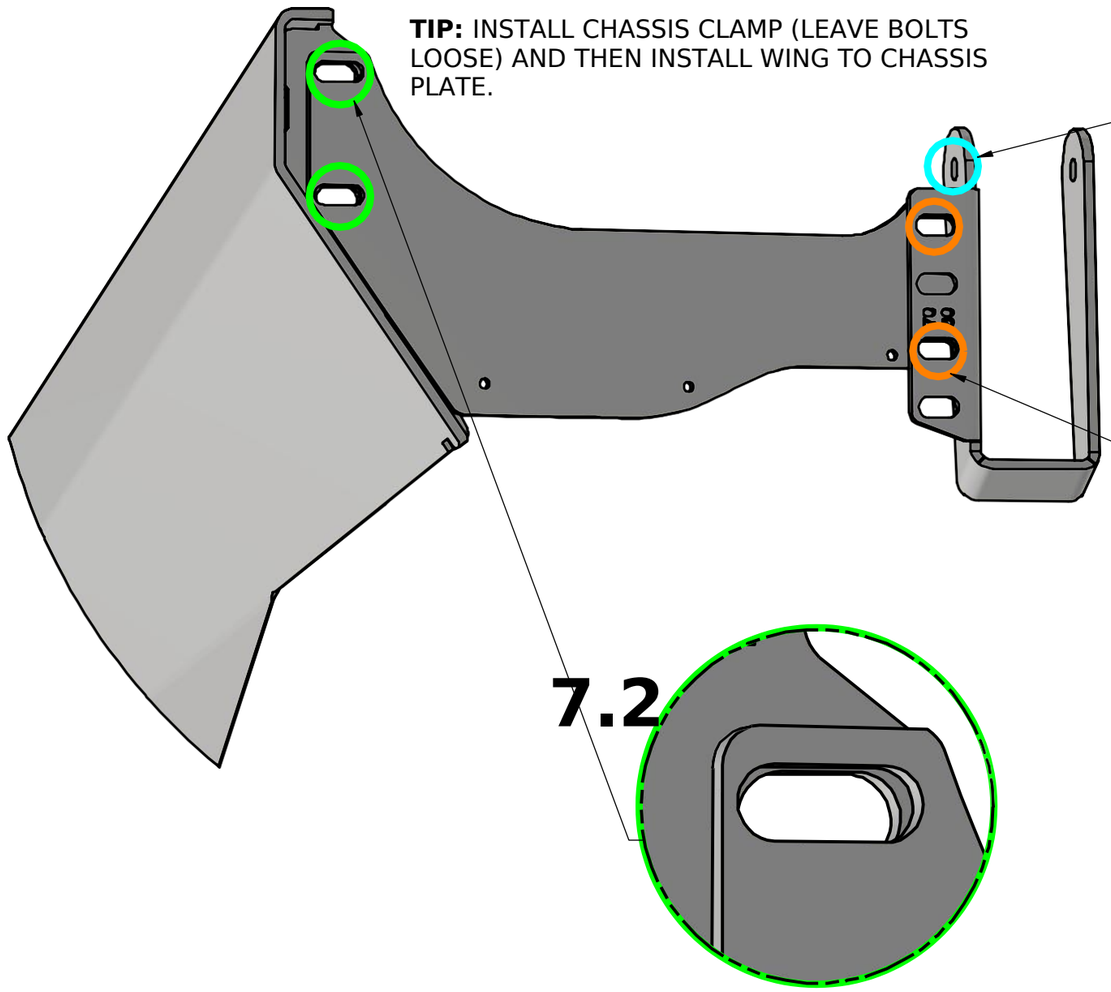
6.2



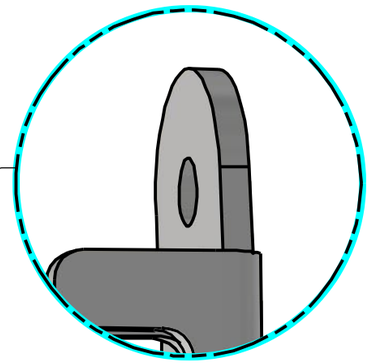
7. REAR BAR INSTALL

WING TO CHASSIS BRACES

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



7.1

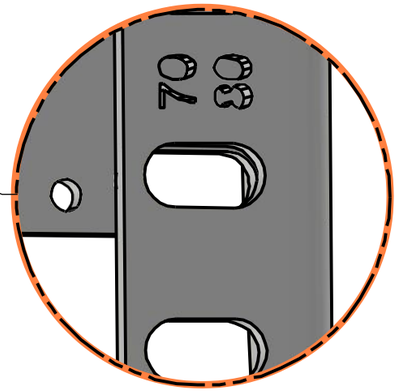


M10 x 80mm
BOLTS M10
WASHERS M10
HEX NUTS

7.2

M10 x 35mm
BOLTS M10
WASHERS M10
HEX NUTS

7.3



M10 x 35mm
BOLTS M10
WASHERS M10
HEX NUTS

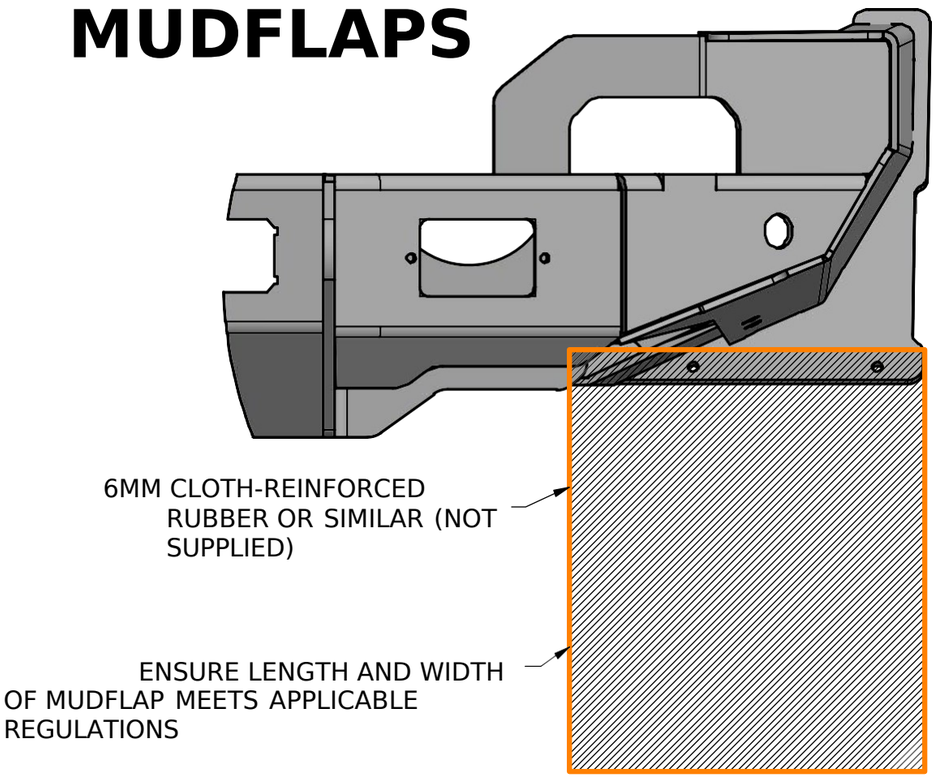
IMPORTANT! ENSURE BOLTS ARE ORIENTATED SO THAT THEY DO NOT CONTACT THE TYRE WHEN VEHICLE IS FLEXED

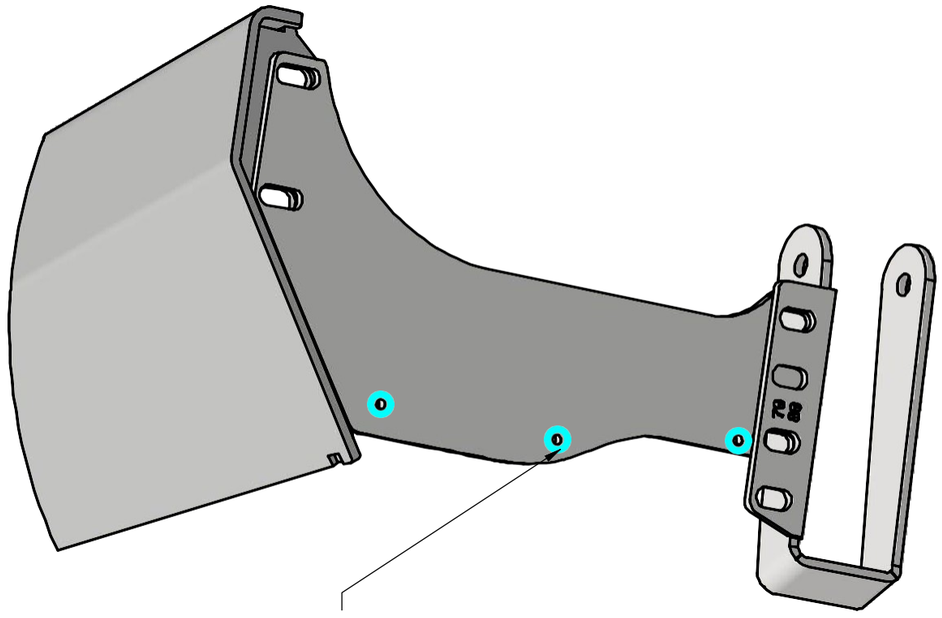
8. REAR BAR INSTALL

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**





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

TCC LATCH ASSEMBLY

ASSEMBLY INSTRUCTIONS

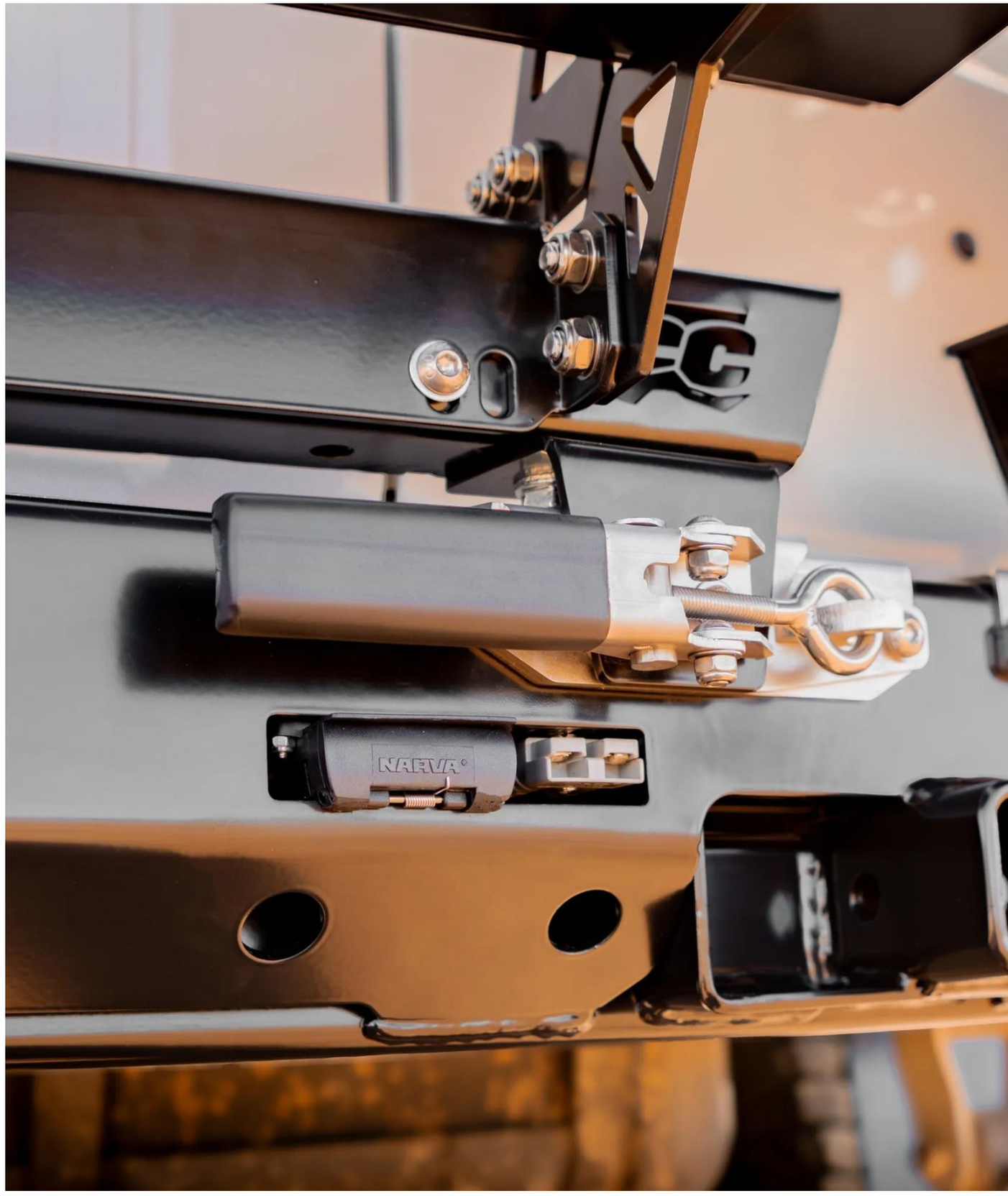
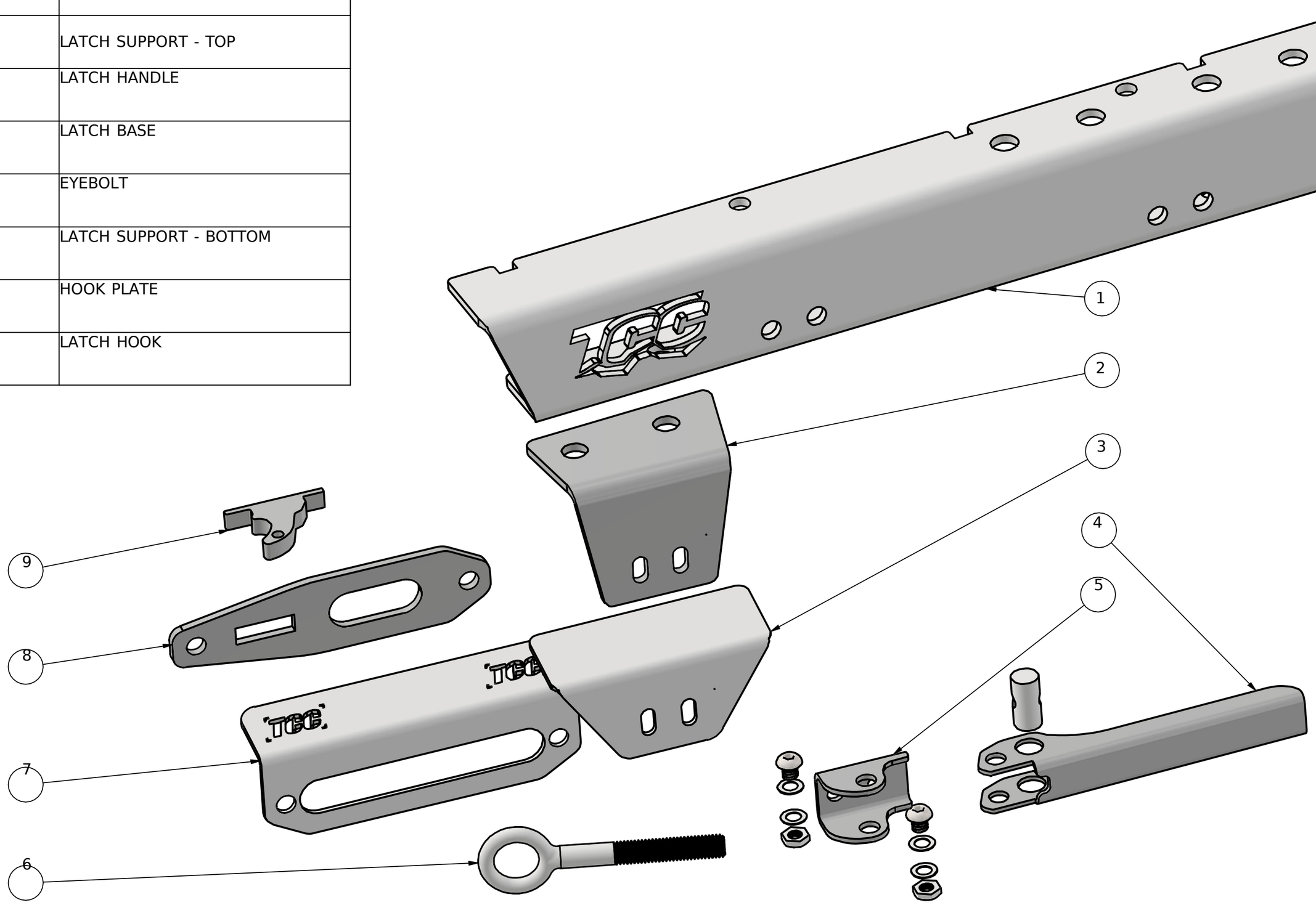


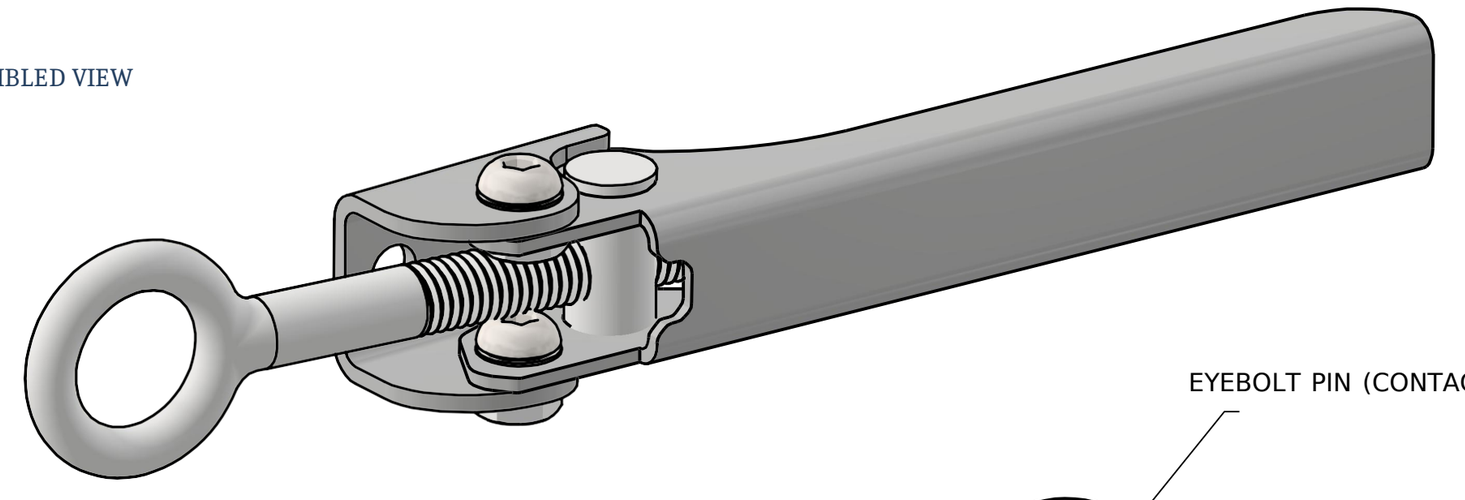
TABLE		
ITEM	QTY	ITEM NAME
1	1	TCC CARRIER ARM
2	1	LATCH DROP DOWN
3	1	LATCH SUPPORT - TOP
4	1	LATCH HANDLE
5	1	LATCH BASE
6	1	EYEBOLT
7	1	LATCH SUPPORT - BOTTOM
8	1	HOOK PLATE
9	1	LATCH HOOK



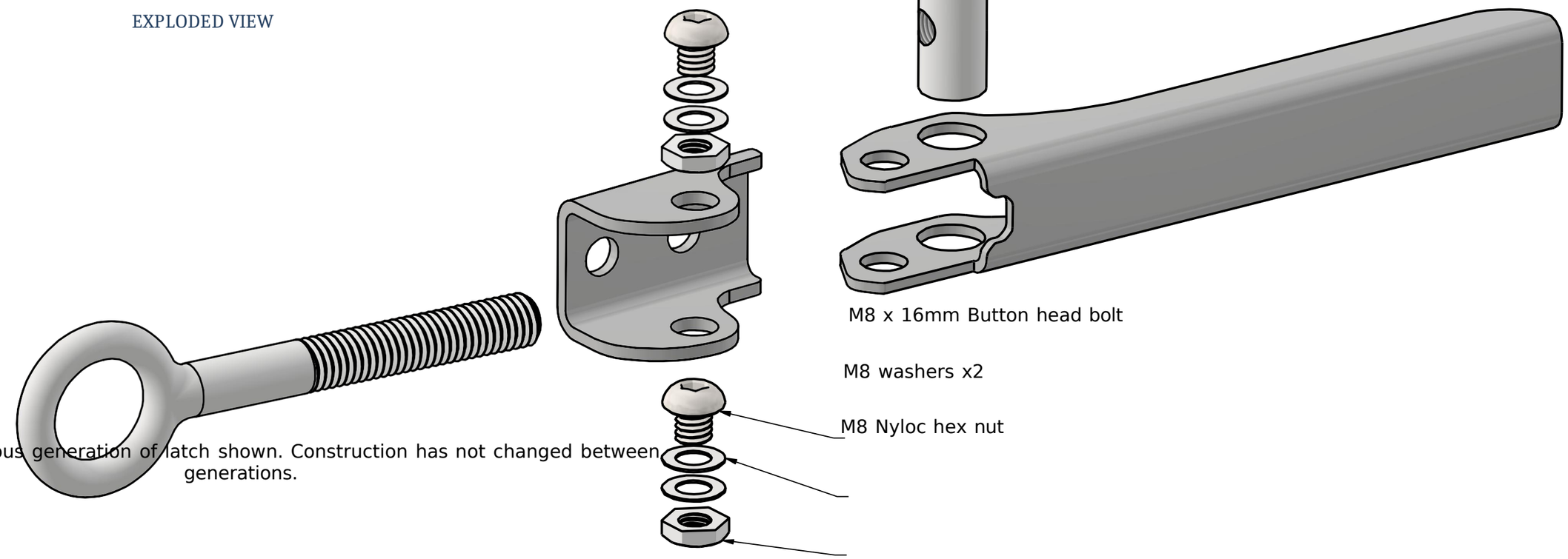
1. LATCH ASSEMBLY

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



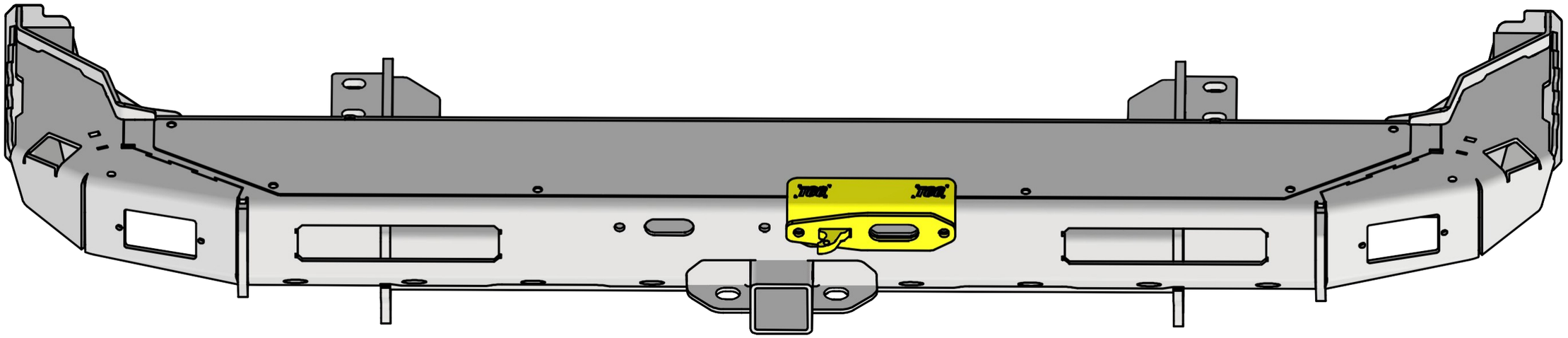
EXPLODED VIEW



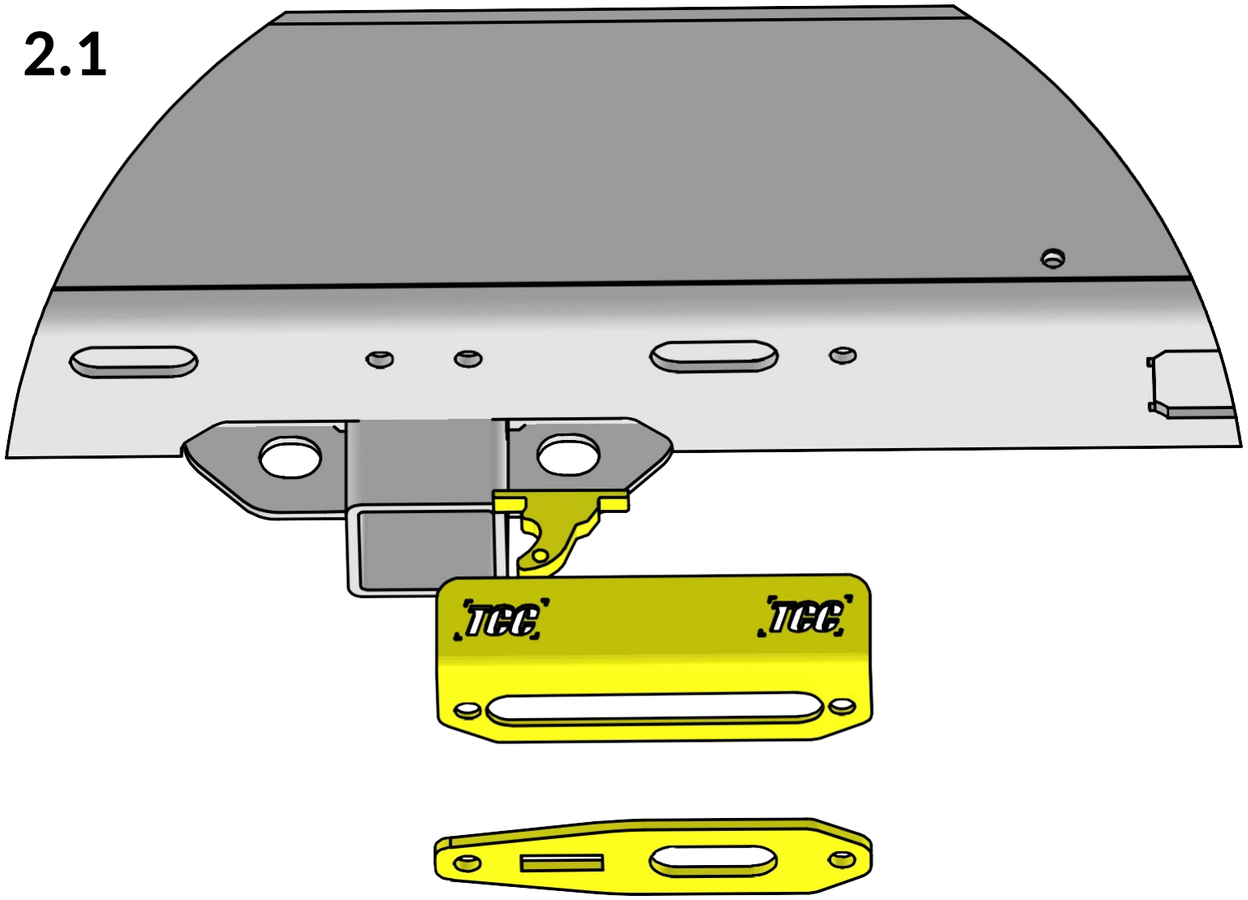
please note: previous generation of latch shown. Construction has not changed between generations.

2. JOINING LATCH TO REAR BAR

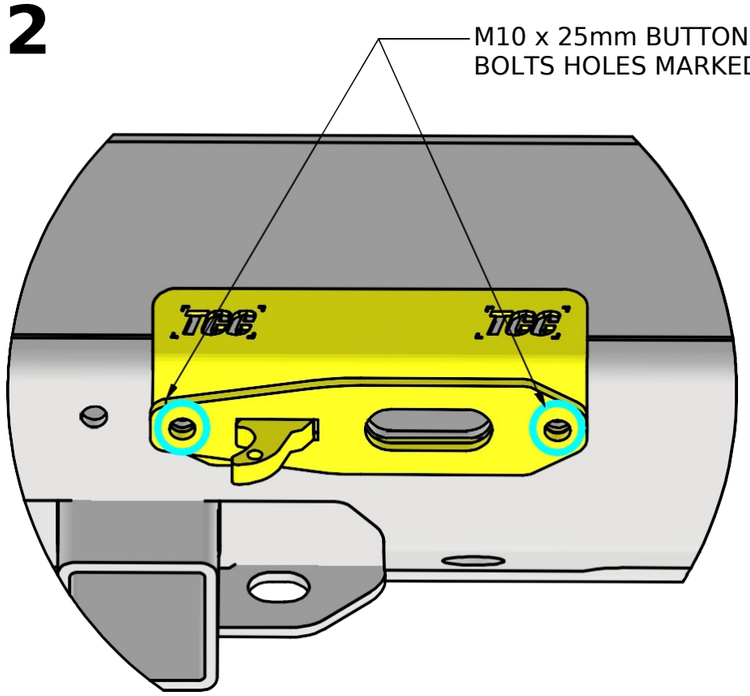
BAR BASE



2.1



2.2



NOTE ORIENTATION OF ALL PARTS SHOWN

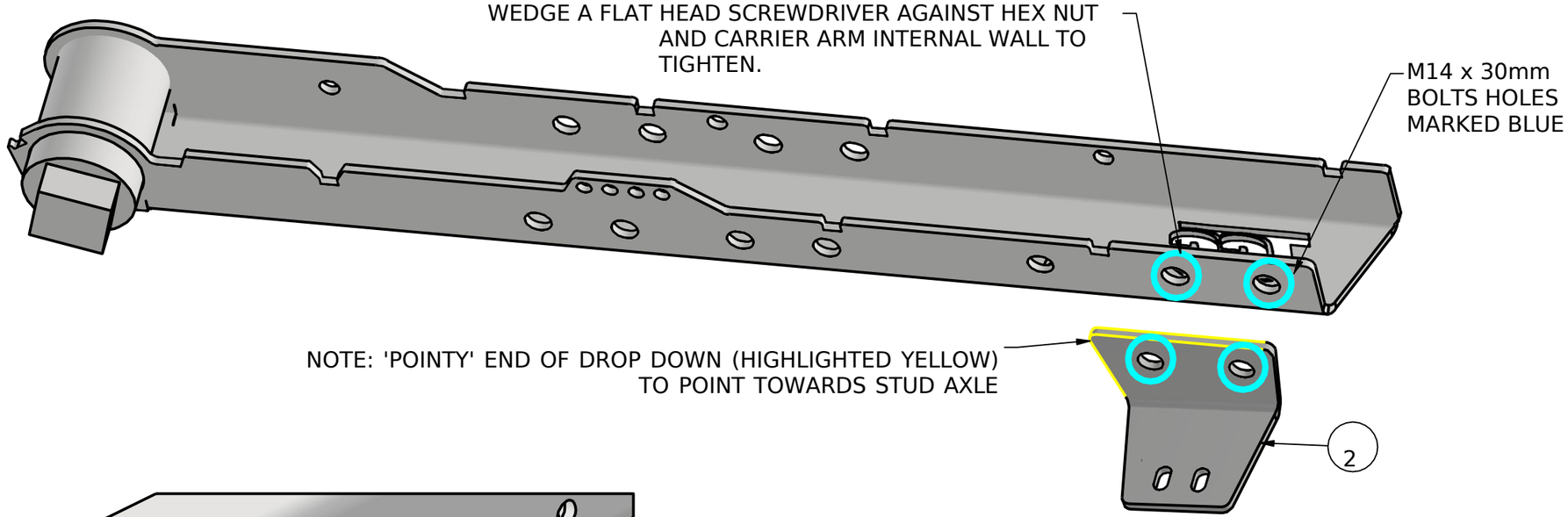
3. JOINING LATCH TO REAR BAR

CARRIER ARM

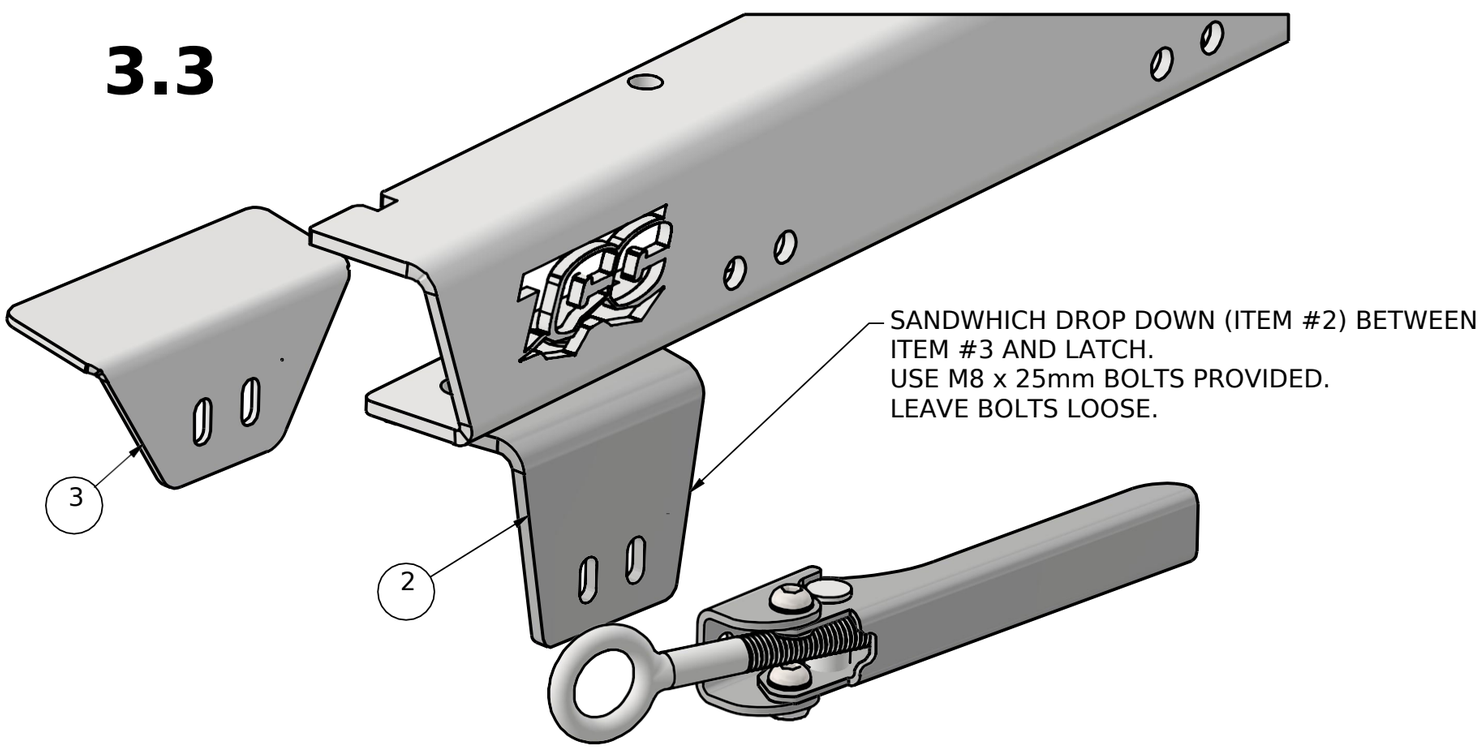
3.1 Please ensure carrier arm is installed to bar base before proceeding to this step.

3.2

REAR VIEW OF PASSENGER SIDE ARM



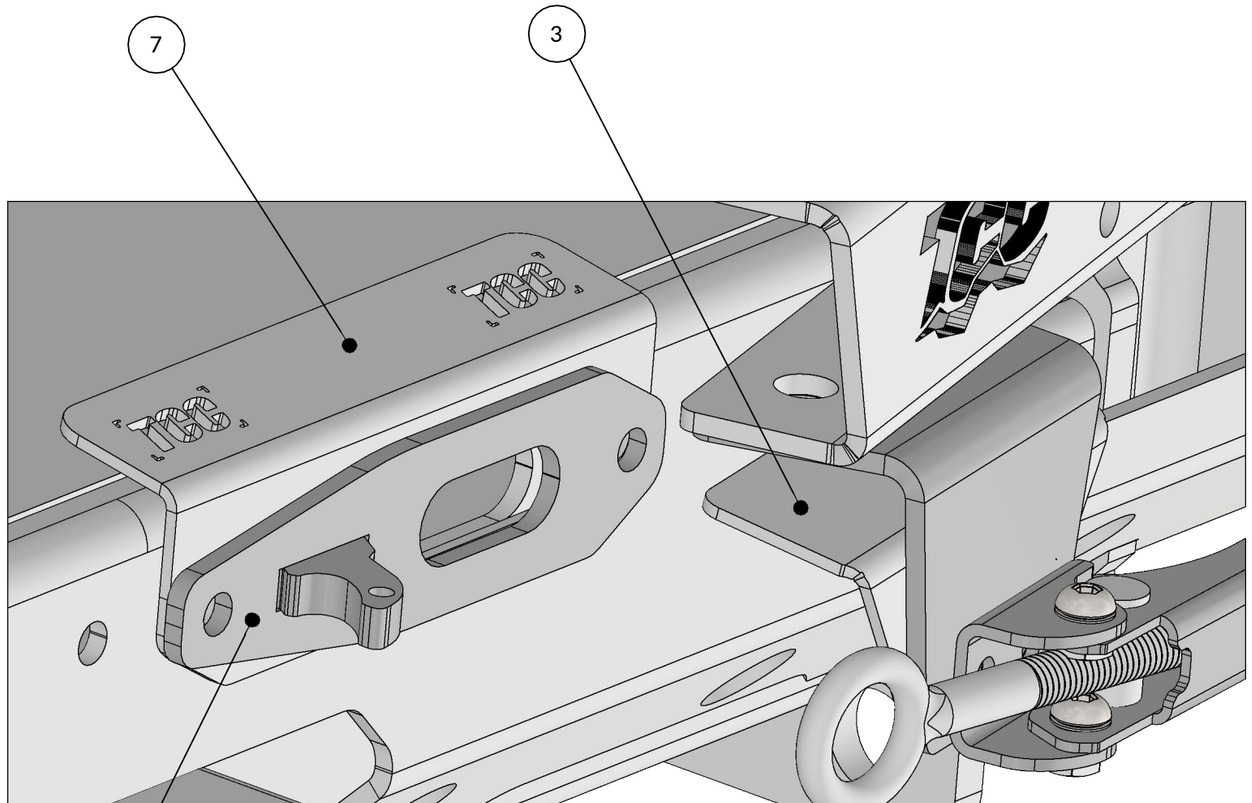
3.3



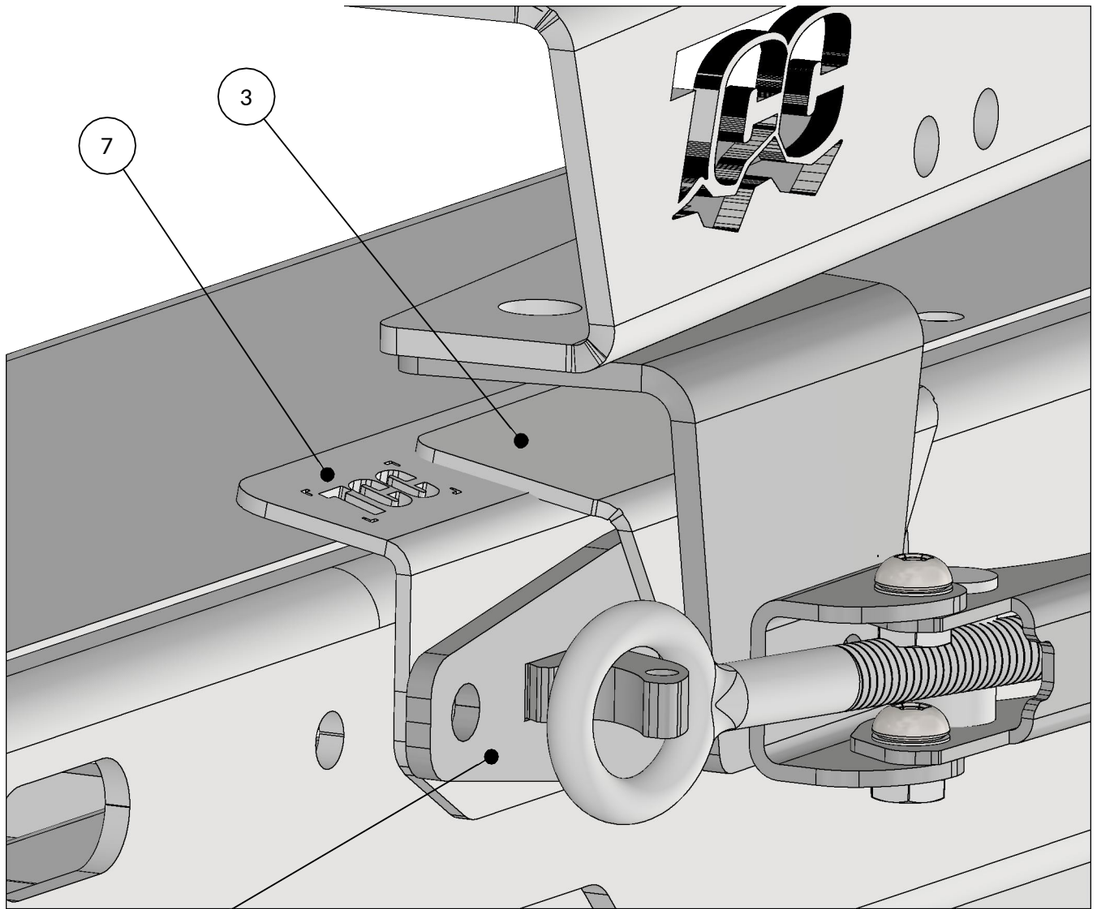
3. JOINING LATCH TO REAR BAR

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**.



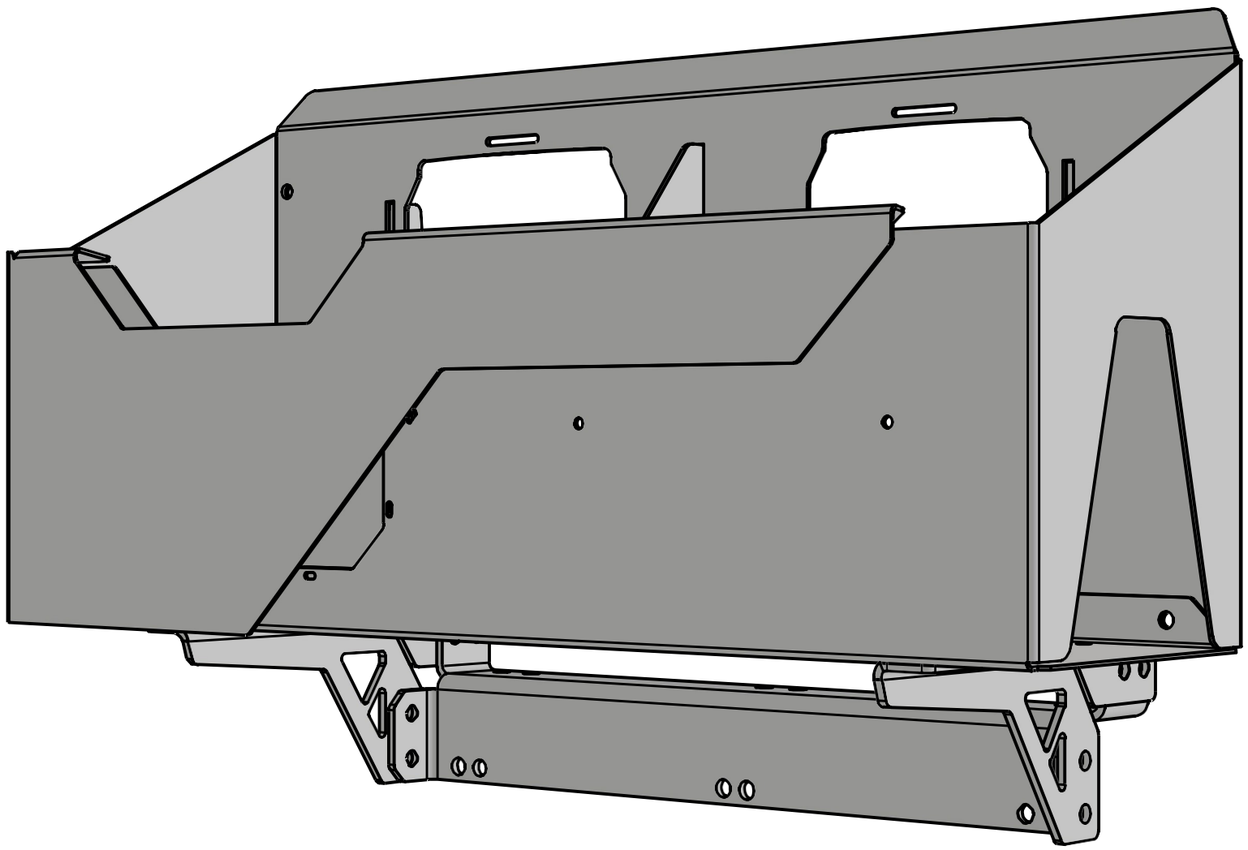
CARRIER ARM OPEN

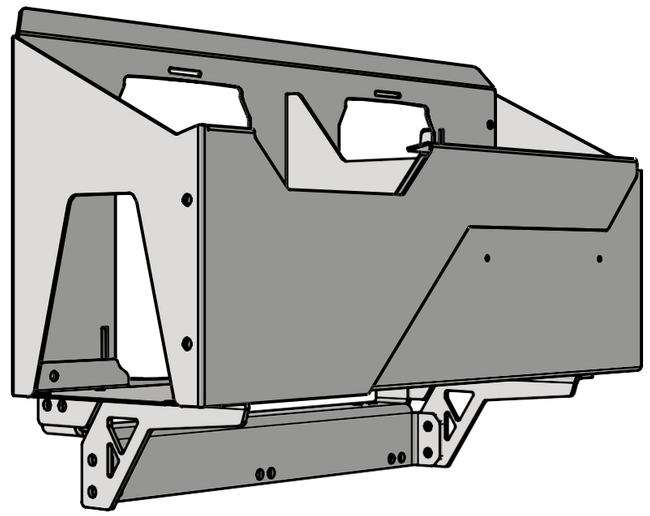


CARRIER ARM CLOSED

TCC JERRY/GAS HOLDER

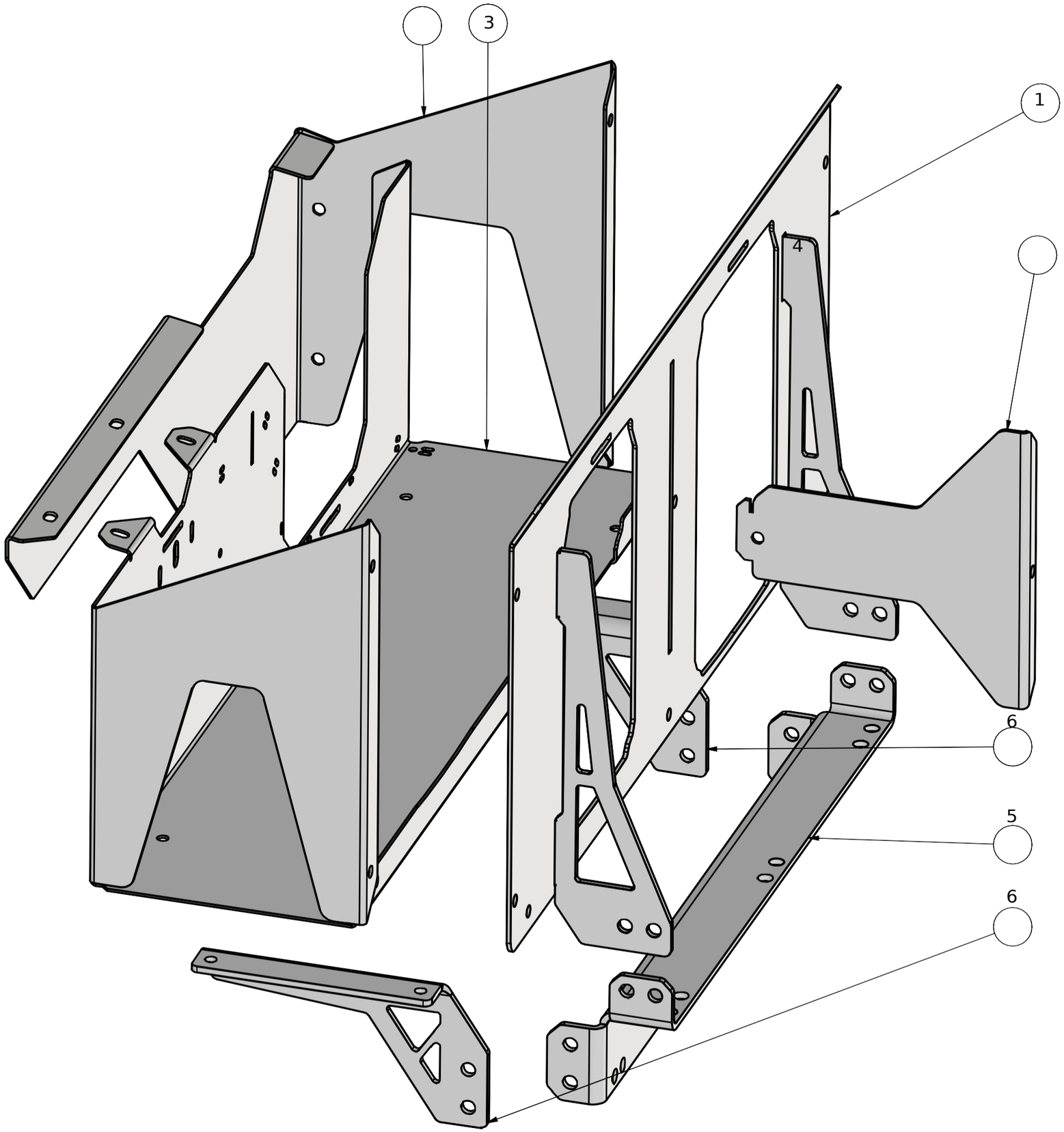
ASSEMBLY INSTRUCTIONS





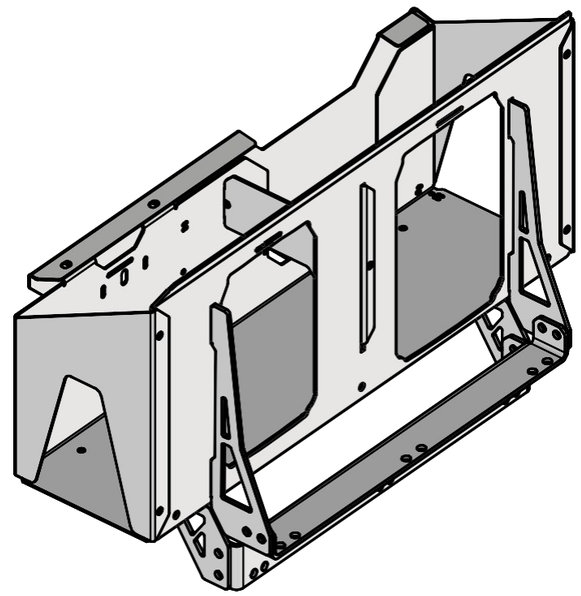
AUSTRALIAN MADE®

2



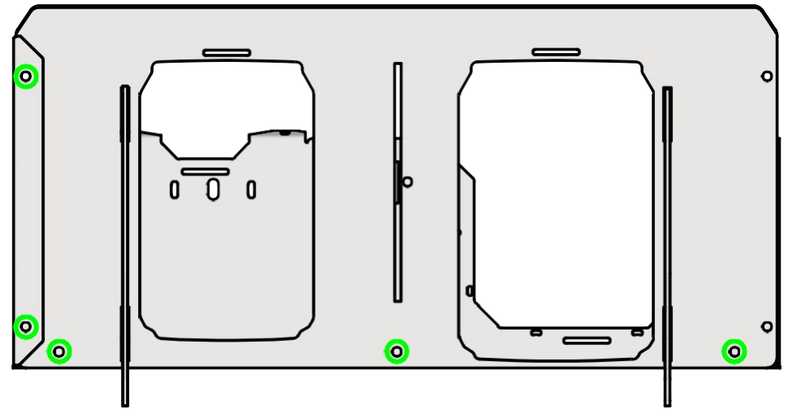
PARTS LIST		
ITEM	QTY	DESCRIPTION
1	1	JERRY BACKING
2	1	JERRY FRONT COVER
3	1	JERRY INTERNAL
4	1	JERRY DIVIDER
5	1	UNIVERSAL SHELF BASE
6	2	JERRY LOWER GUSSET

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

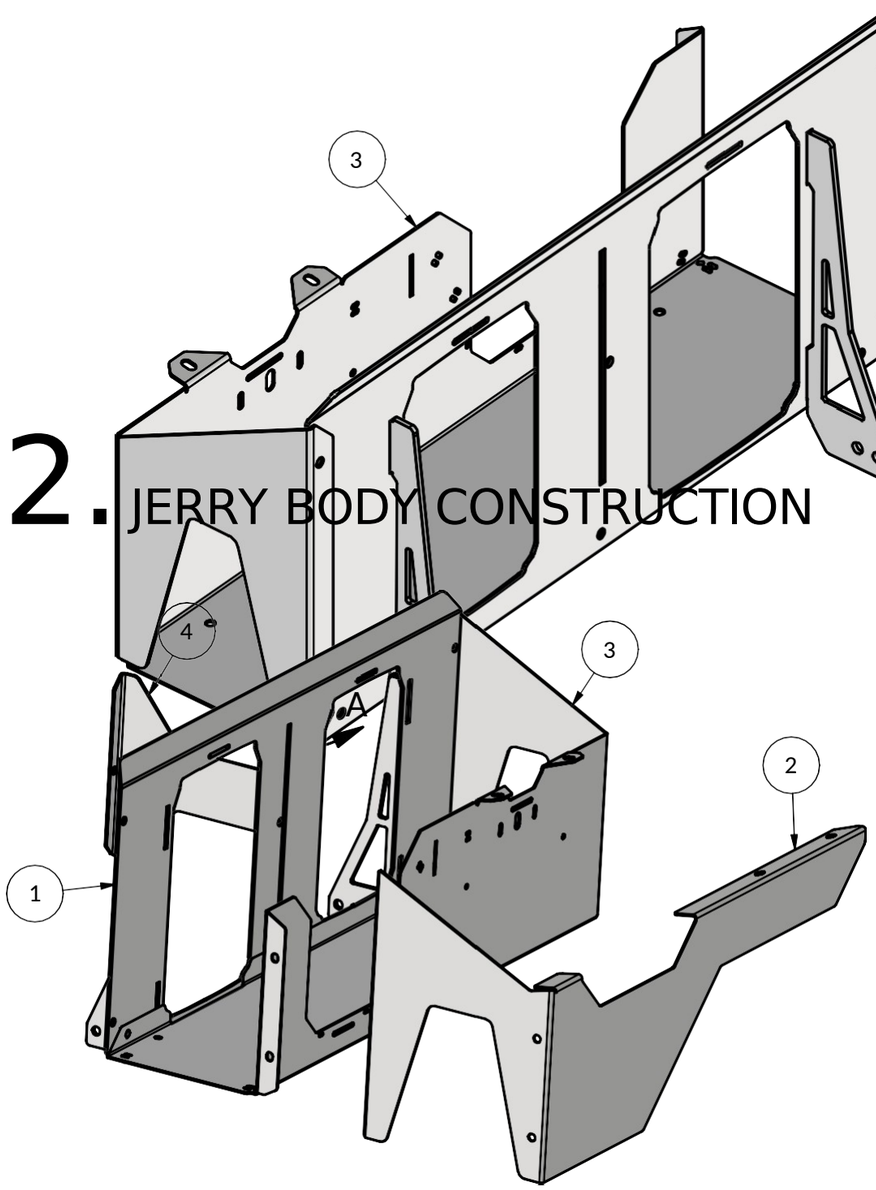


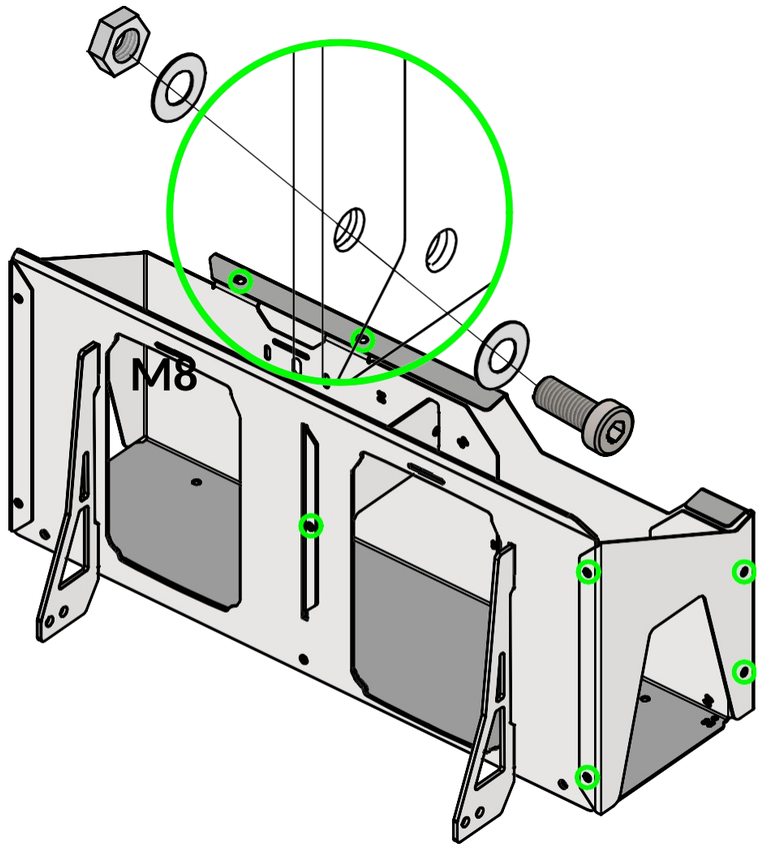
FULLY ASSEMBLED

1. JERRY BODY CONSTRUCTION

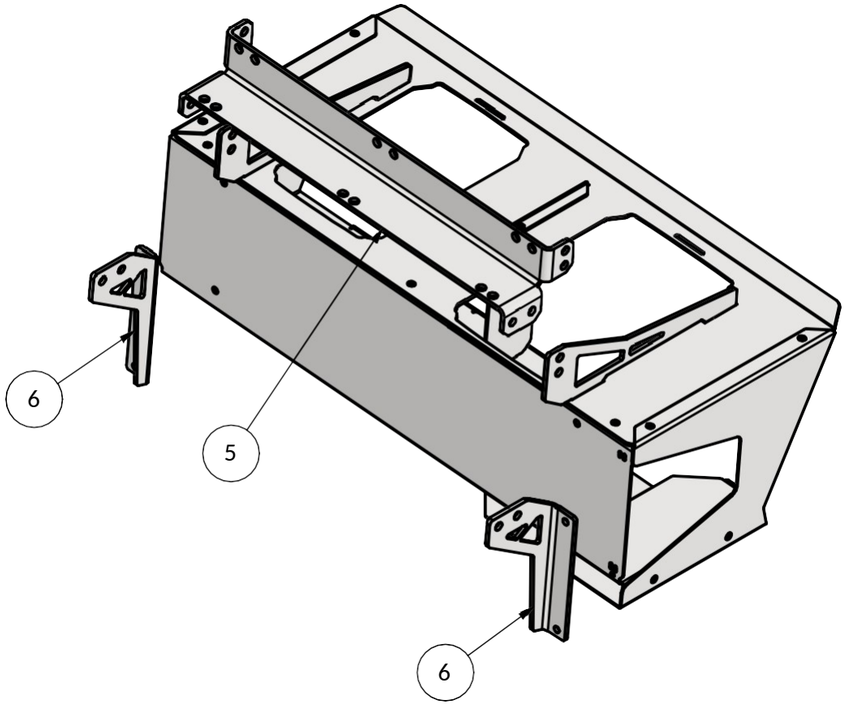


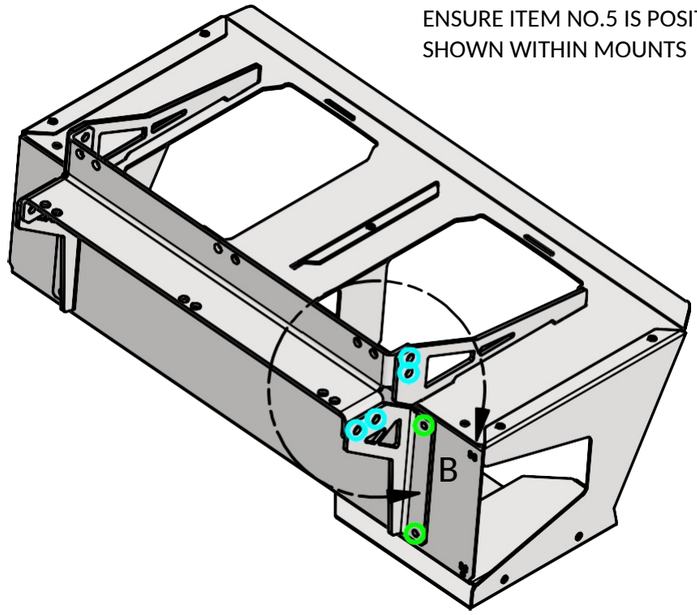
2. JERRY BODY CONSTRUCTION



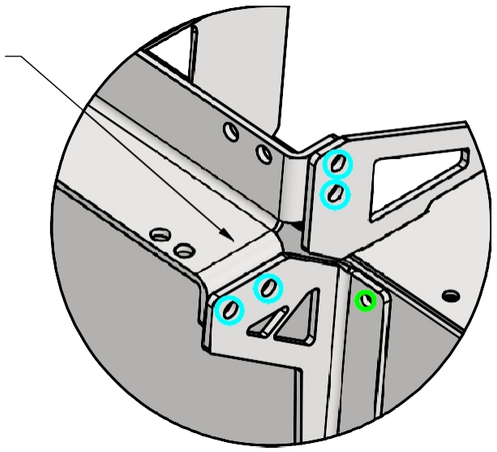


3. ATTACH UNIVERSAL MOUNT

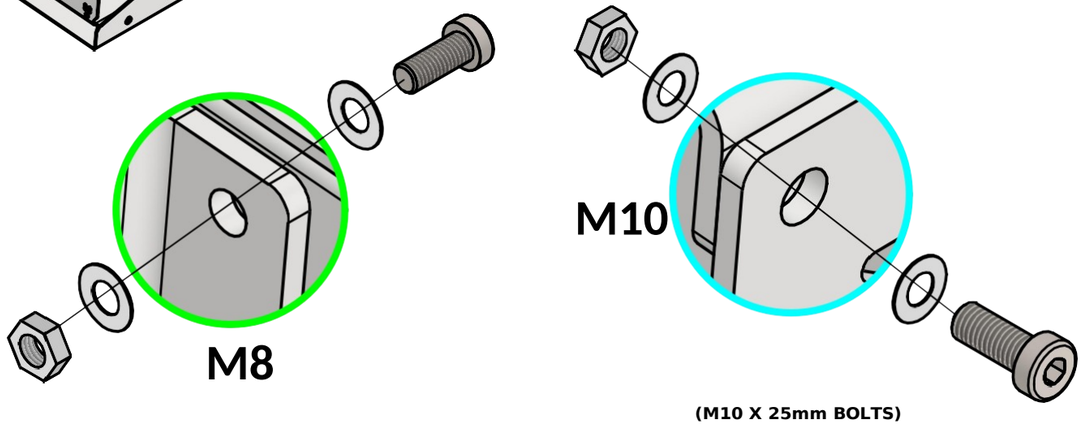




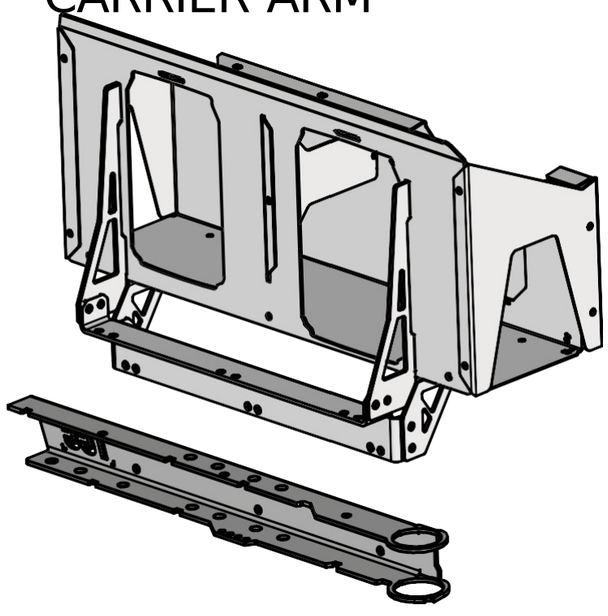
ENSURE ITEM NO.5 IS POSITIONED AS SHOWN WITHIN MOUNTS

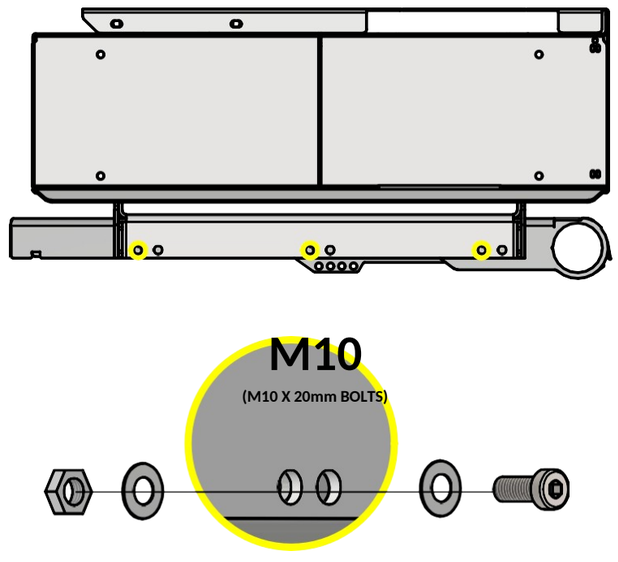


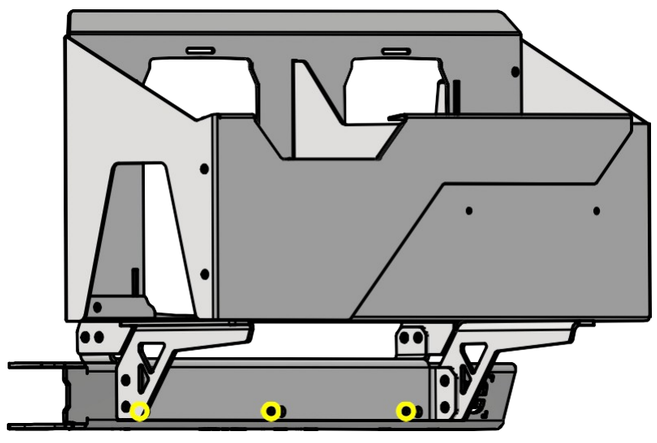
DETAIL B



4. ATTACH ASSEMBLY TO CARRIER ARM



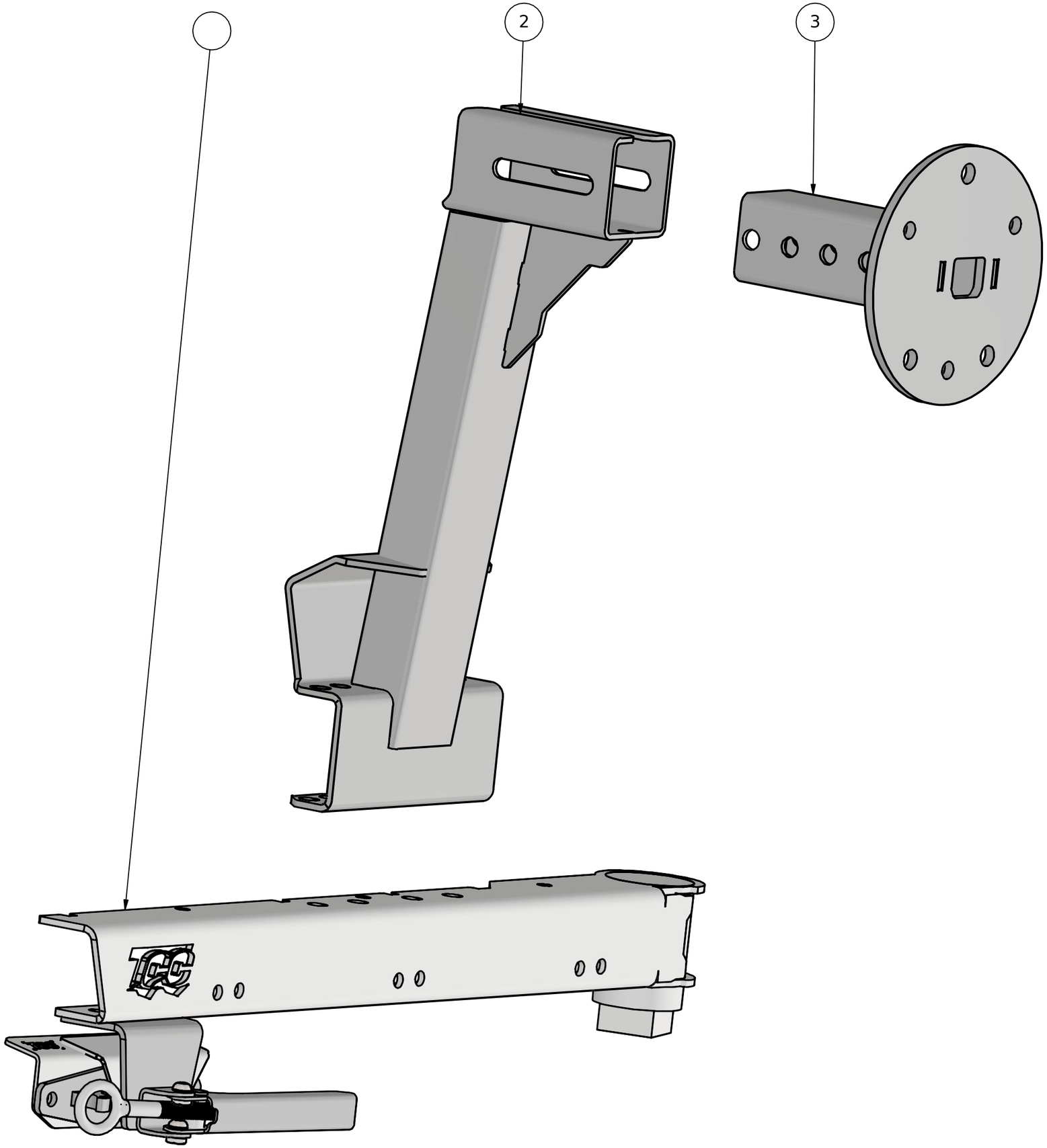




TCC TYRE UPRIGHT & TYRE HEAD

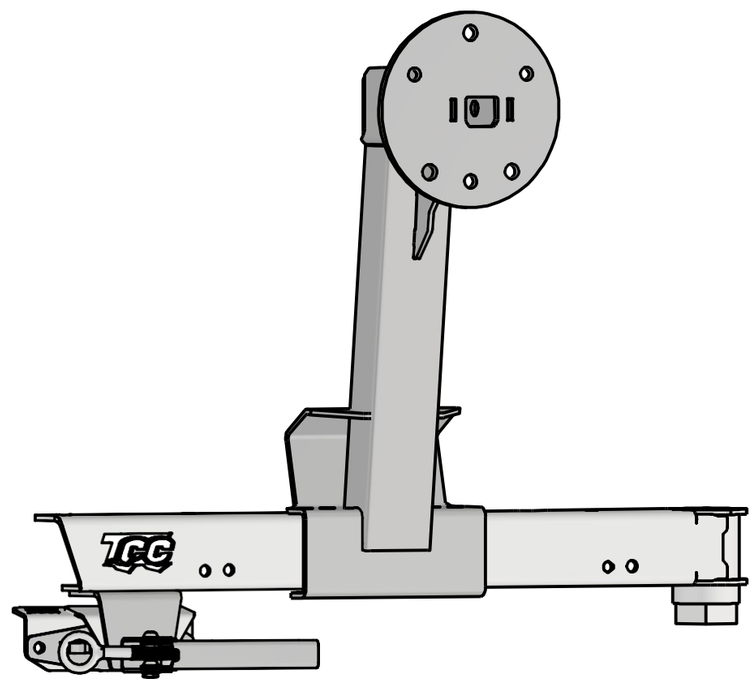
ASSEMBLY INSTRUCTIONS





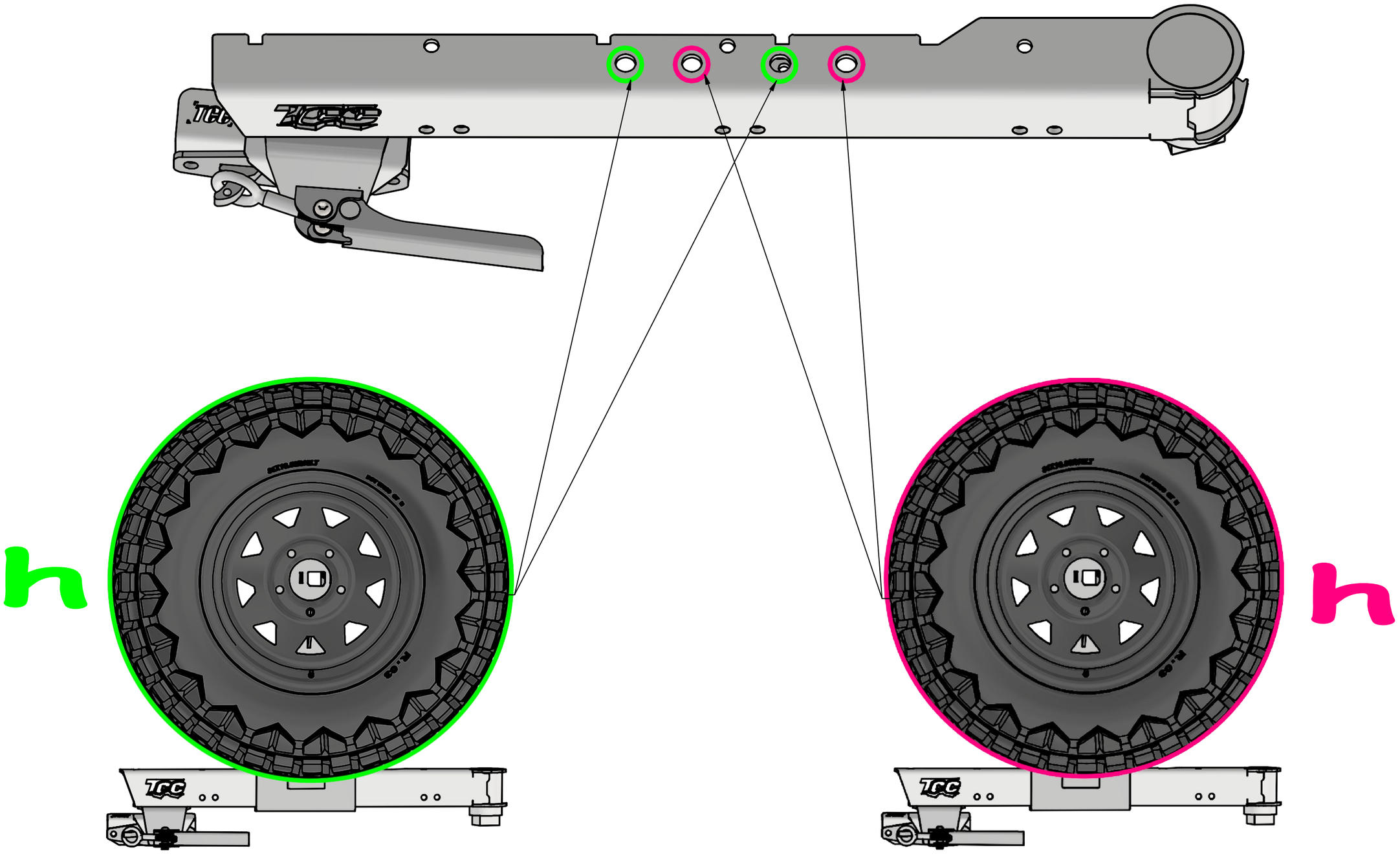
PARTS LIST		
ITEM #	QTY	PART NAME
1	1	TCC CARRIER ARM ASSEMBLY
2	1	TYRE UPRIGHT
3	1	TYRE HEAD

ASSEMBLED VIEW

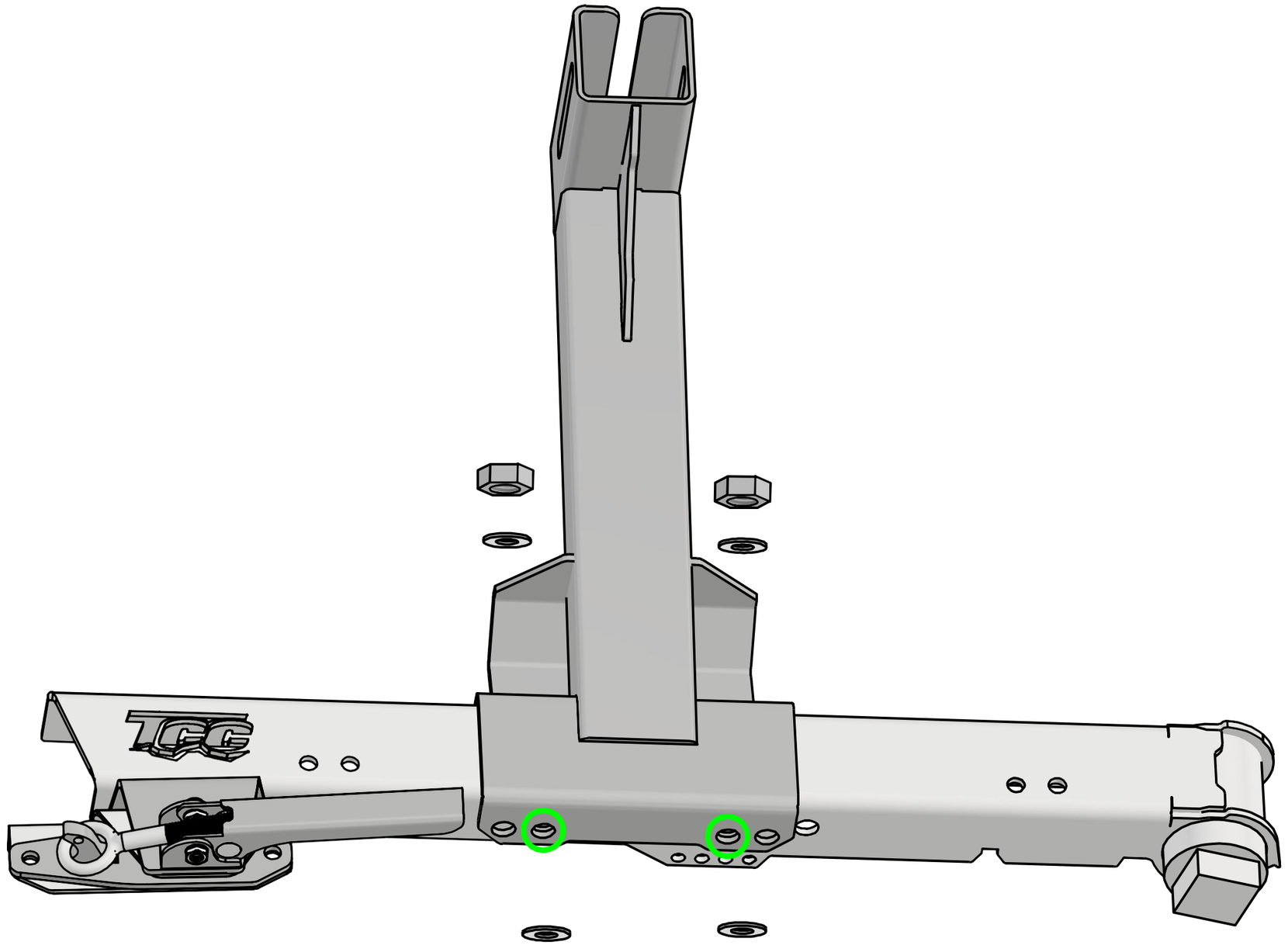


1. INSTALL THE TYRE UPRIGHT

TCC Carrier Arm must be assembled prior to installation

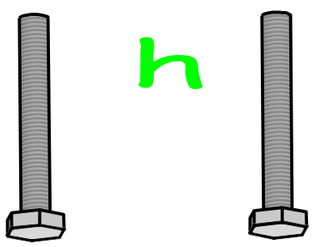


2. INSTALL TYRE UPRIGHT

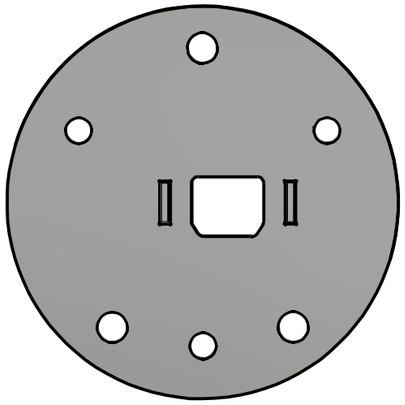


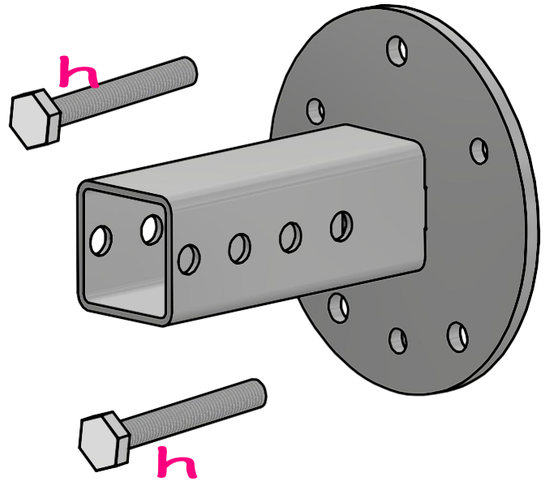
DOUBLE CHECK CLEARANCE TO REAR OF VEHICLE
ADJUST BUMP STOP AS REQUIRED

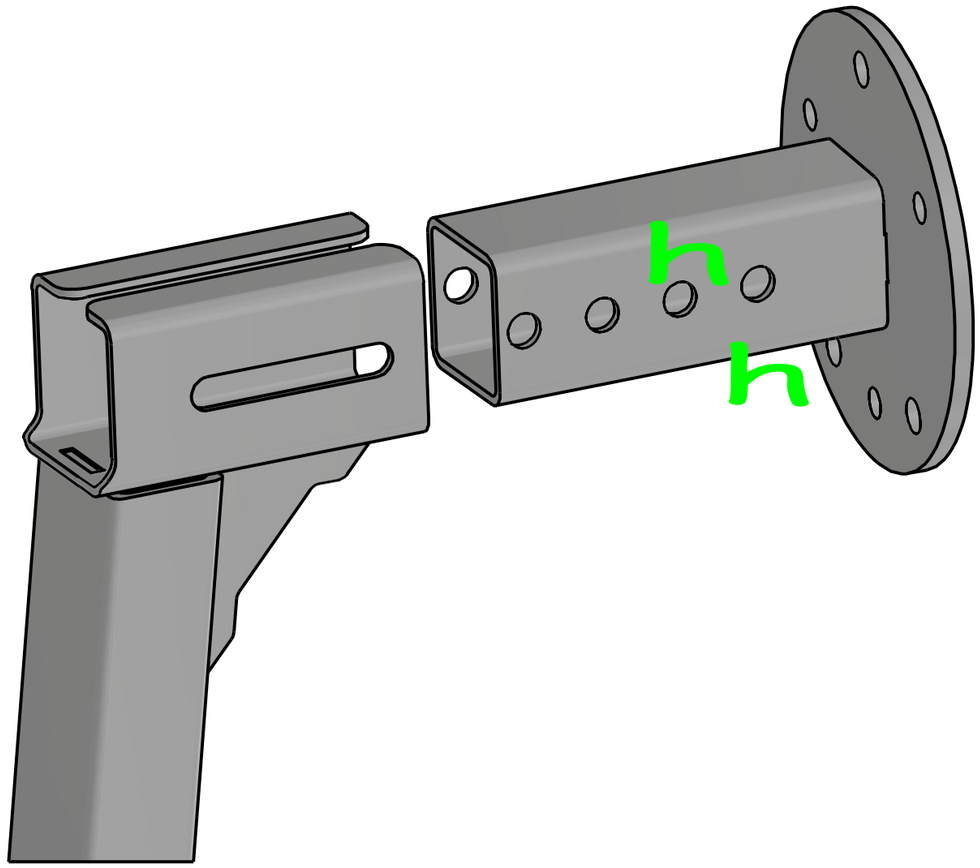
M14 x 110mm BOLTS
M14 WASHERS
M14 NUTS



3. MOUNT TYRE HEAD

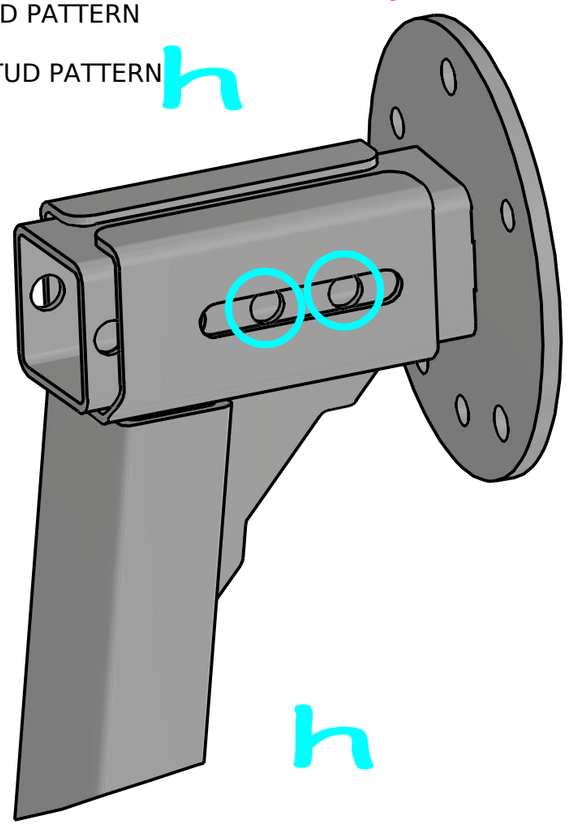






LARGE HOLES: 5 X 150 STUD PATTERN

SMALL HOLES: 6 X 139.7 STUD PATTERN



ADJUST IN/OUT FOR WHEEL OFFSET

M14 x 30mm BOLTS
M14 WASHERS
M14 NUTS

