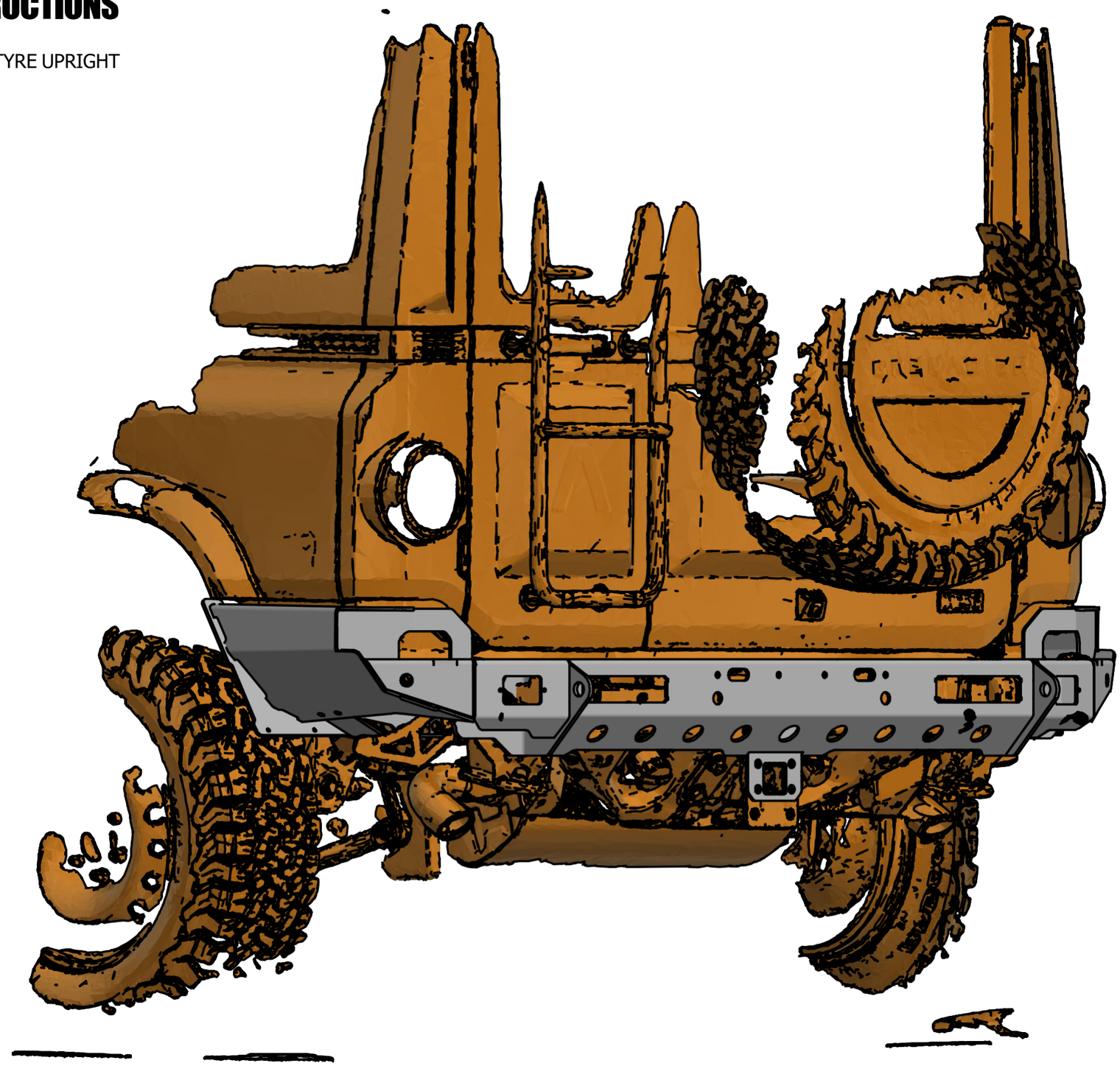
TCC INEOS GRENADIER REAR BAR

TECHNICAL DATA SHEET & FITTING INSTRUCTIONS

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

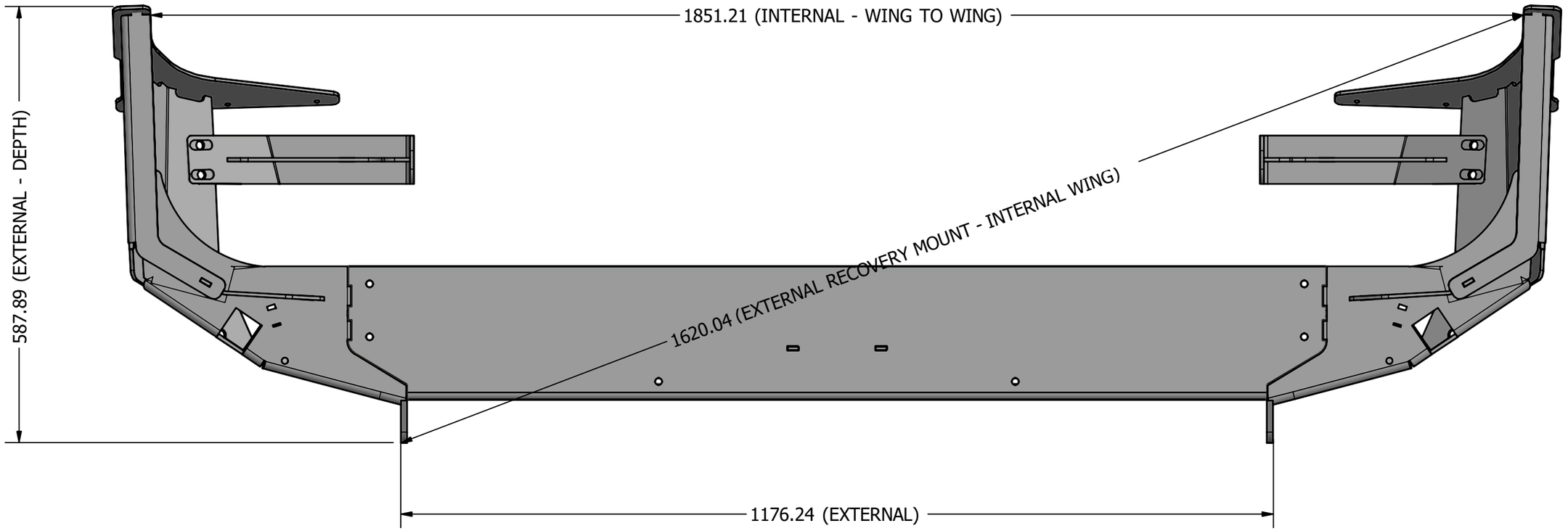


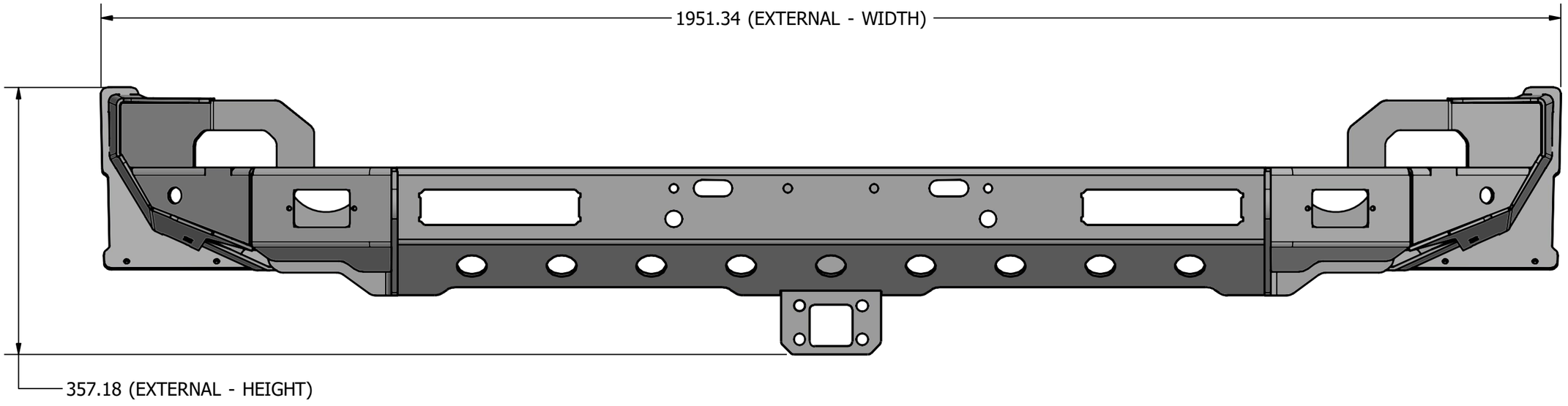
AUSTRALIAN MADE®

GENERAL DIMENSIONS

ALL UNITS IN MM

EXTERNAL / INTERNAL REFERS TO START & END POINTS FOR MEASUREMENT

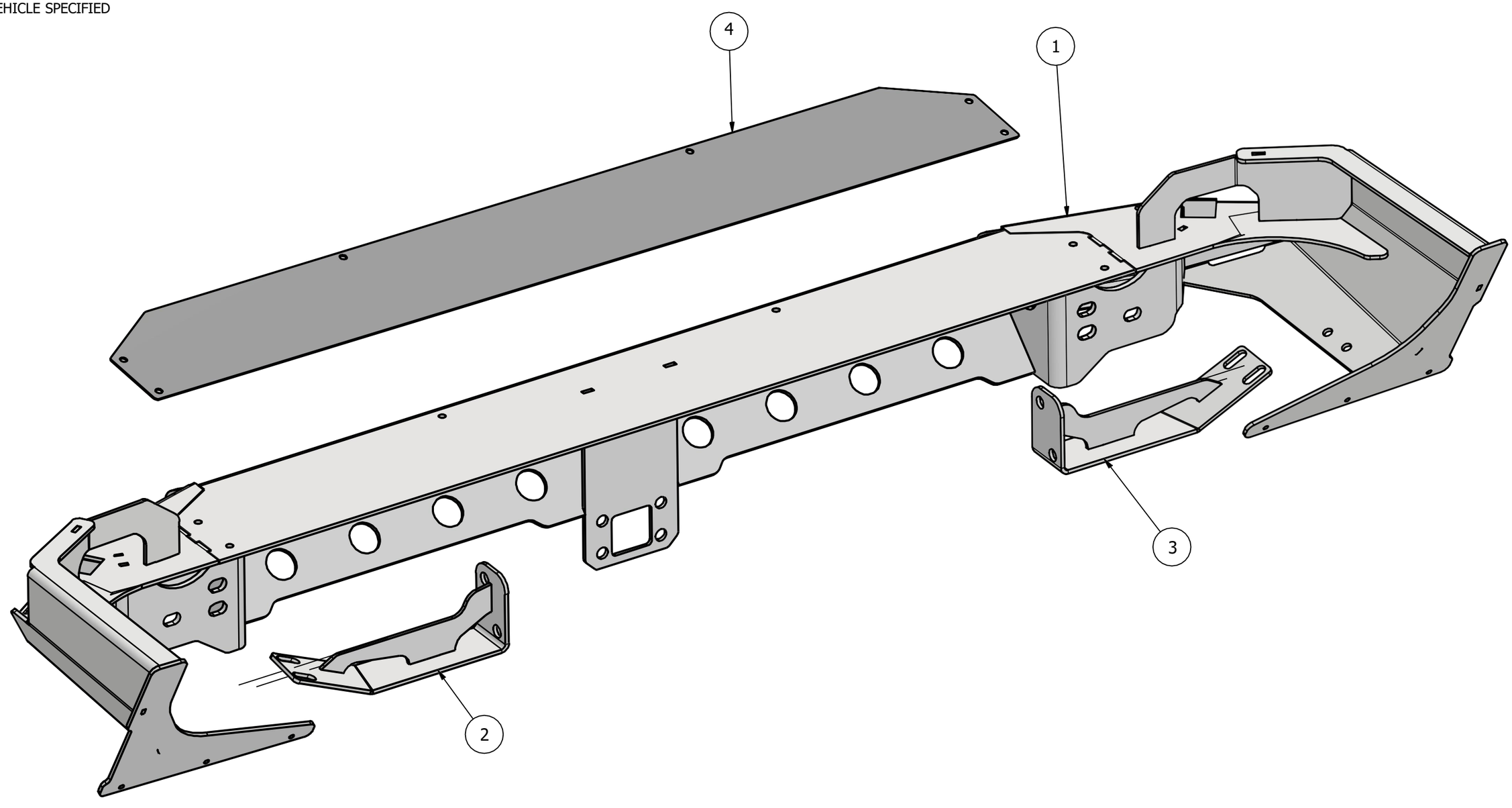




BAR BASE ASSEMBLY

PARTS LIST		
ITEM	QTY	PART NAME
1	1	INEOS GREN REAR BAR BASE
2	1	WING TO CHASSIS MOUNT (DS)
3	1	WING TO CHASSIS MOUNT (PS)
4	1	TREAD PLATE (SMALL)

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



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.

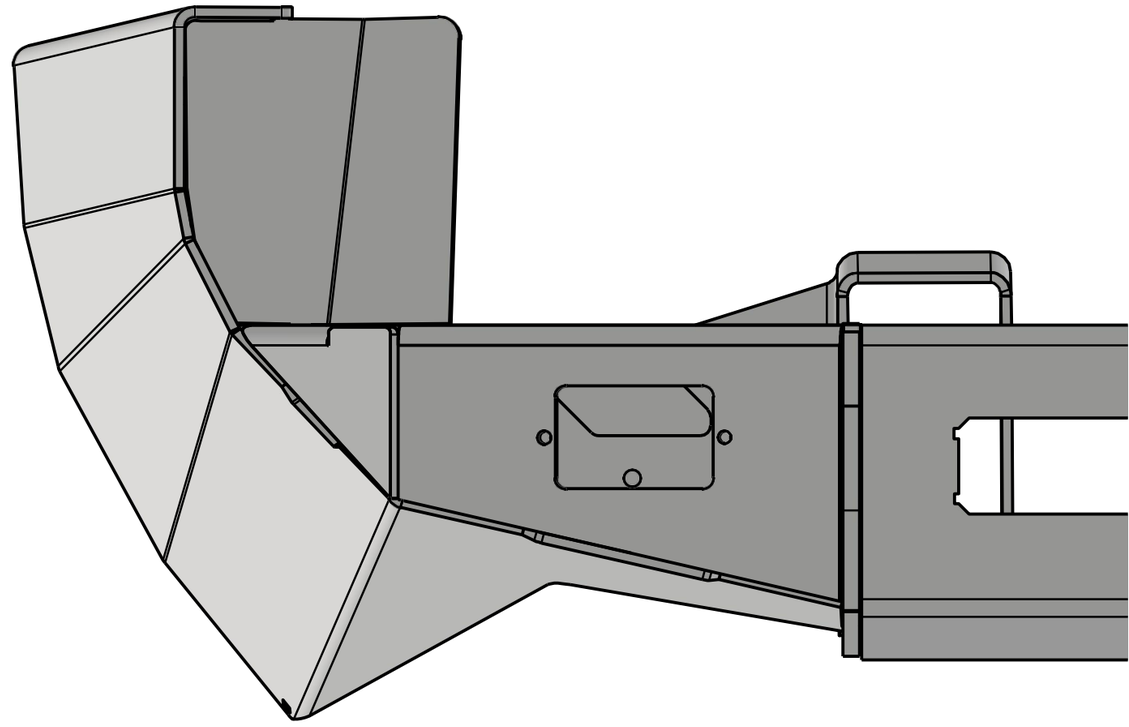
- Keep external joins and moving components properly protected with a lubricant such as Lanolin.

- 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.



1. PREPARING FOR INSTALL

GRENADIER HARDWARE KIT - INCLUDED

QTY	DESCRIPTION
8	M10 x 1.25 x 35mm BOLTS
4	M10 x 1.25 HEX NUTS
4	M12 x 1.5 x 50mm BOLTS
6	M12 x 1.25 x 50mm BOLTS
6	M12 x 1.25 HEX NUTS
16	M10 WASHERS
18	M12 WASHERS

TOOLS REQUIRED - NOT INCLUDED

SIKAFLEX
ALLEN KEY SET
SPANNER SET (UP TO 22MM)
SOCKET SET (UP TO 22MM)
SHIFTER
STANLEY KNIFE
12V WIRING EQUIPMENT (SOLDERING IRON ETC)
5 CORE TRAILER WIRE (APPROX. 2 METERS)
LOCTITE
BEARING GREASE
BASIC CLIP REMOVAL TOOLS
TORX SET
AUTOMOTIVE DOUBLE SIDED TAPE

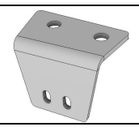
PLEASE USE LOCTITE ON ALL FASTENERS.

1. PREPARING FOR INSTALL

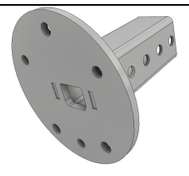
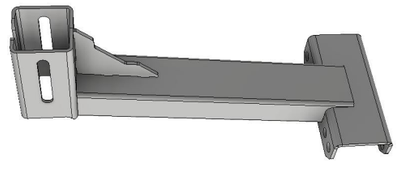
BAR BASE - DETAILED IN ASSEMBLY VIEW (PAGE 3)

QTY	PART NAME	PART IMAGE
2	ROADVISION TAIL LIGHTS	
2	ROADVISION REVERSE LIGHTS	

CARRIER ARMS

QTY	PART NAME	PART IMAGE
1	DRIVERS SIDE CARRIER ARM	
1	PASSENGER SIDE CARRIER ARM	
2	LATCH DROP DOWNS	

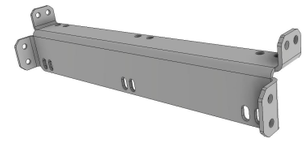
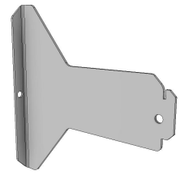
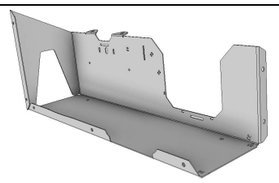
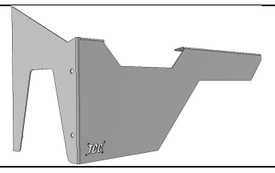
TYRE CARRIER

QTY	PART NAME	PART IMAGE
1	TYRE HEAD	
1	TYRE UPRIGHT	

ACCESSORIES INCLUDED IN BOX

WHEN ORDERED IN A STANDARD CONFIGURATION

JERRY HOLDER

QTY	PART NAME	PART IMAGE
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 PREVIOUS PAGE
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 Remove in order:
Mudflaps
Spare wheel
Exhuast shield
Reflectors

2.2 Remove bolts under corner bumper (x2 each side)

2.3 Remove bolts and nuts inside corner bumper (x2 bolts, x2 nuts each side)

2.4 Remove x2 bolts underneath reflector.

2.5 Remove number plate and remove x2 Torx bolts located behind.

2.6 Slide corner bumpers back and disconnect plugs.

2.7 Remove wing support bracket.

2.8 Drill square mounting holes on corner bumper supports out to 14mm.

NOTE: Factory rear ladder will have to be cut (or fully removed) to allow fitment of jerry holder. please fit rear bar fully with jerry holder before cutting ladder to ensure perfect fitment.

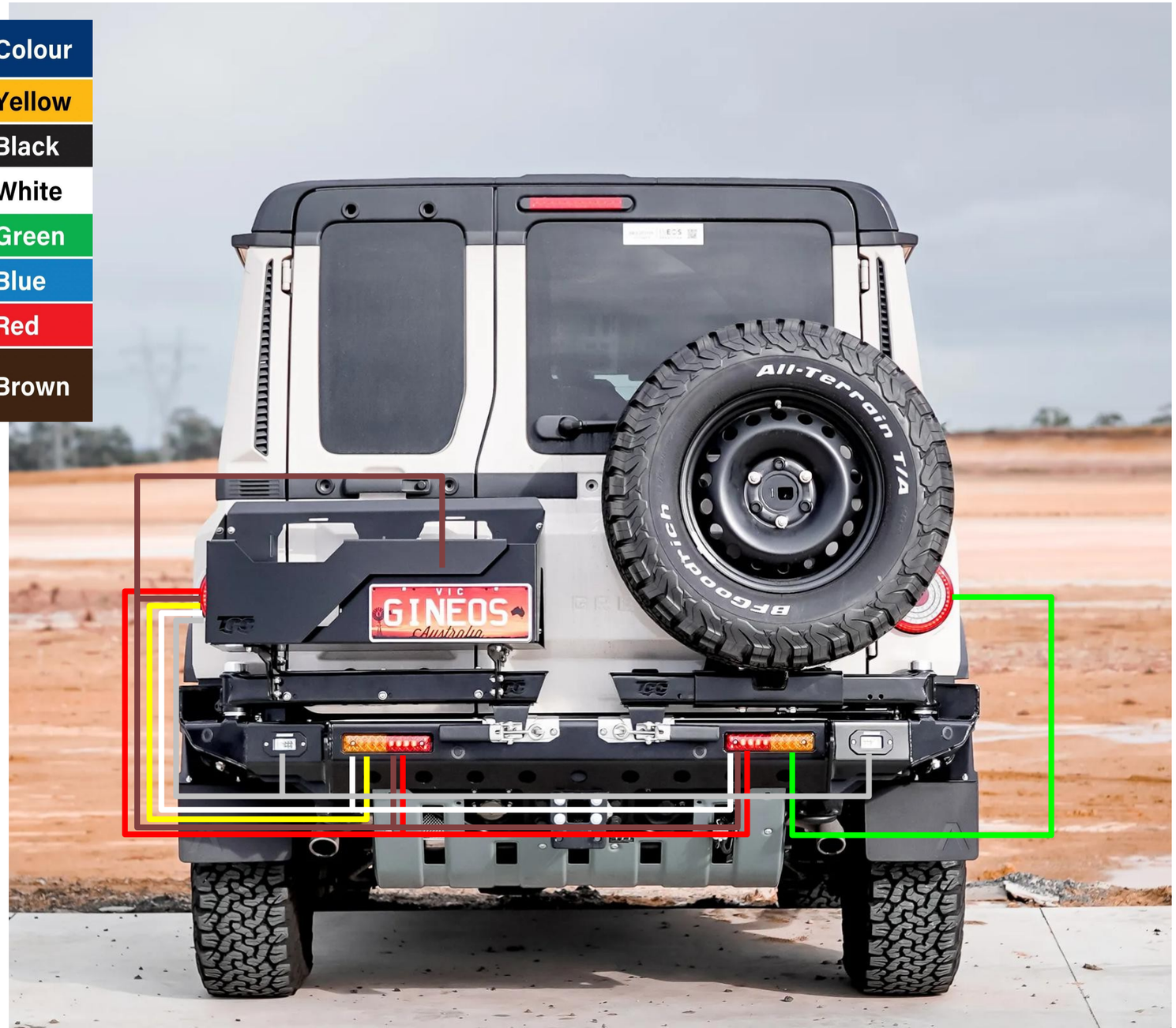
3. WIRING THE REAR BAR

NOTE: Wiring for the rear bar must be completed before installing the rear bar due to access. If unsure - please allow auto electrician to complete wiring.

2.1. Wiring must be completed by taping into the tail light harness. Do not wire TCC rear bar lights to trailer plug as this will cause the car to operate as if a trailer is connected.

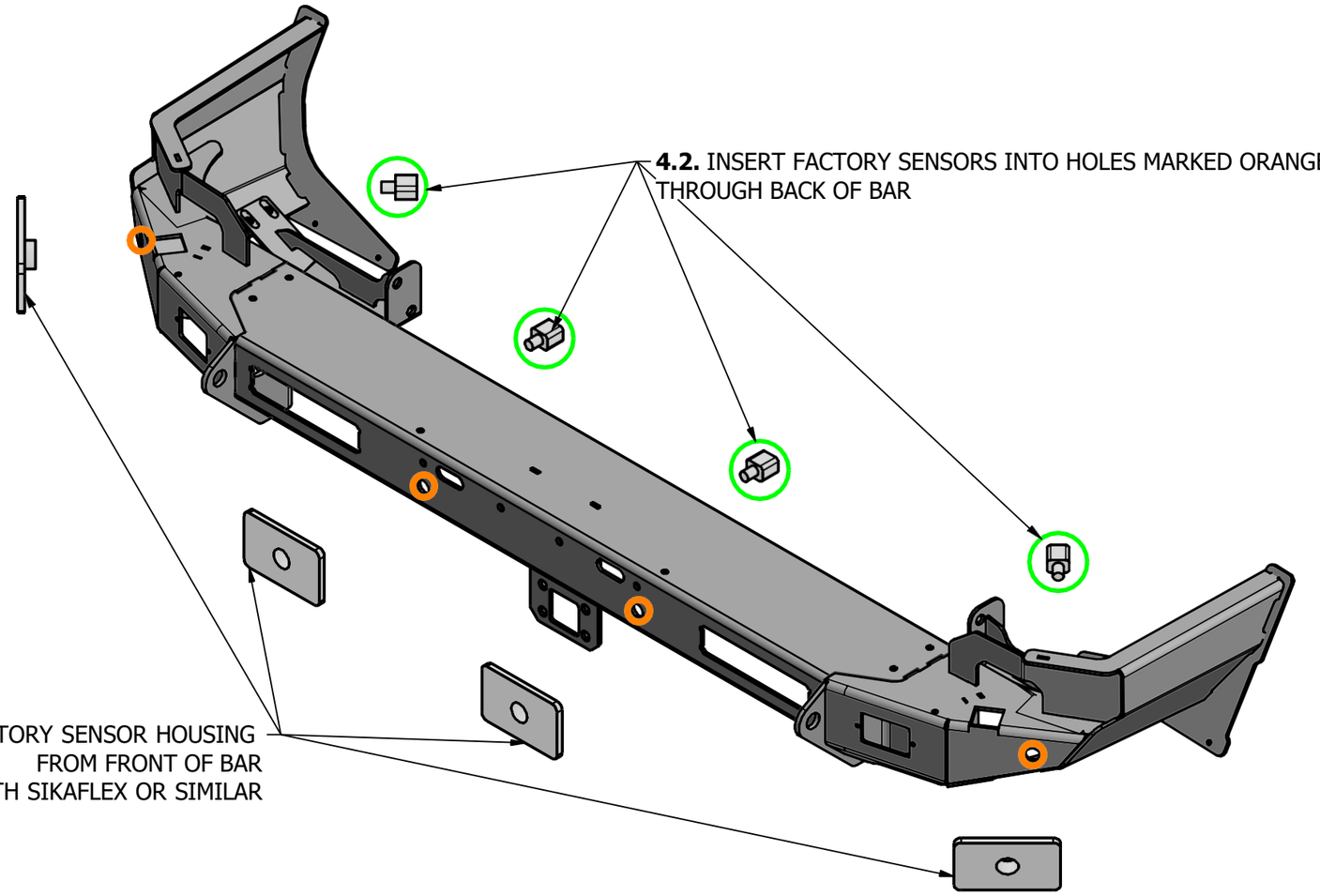
2.2. If completing wiring at home, please follow wiring diagram as shown below:

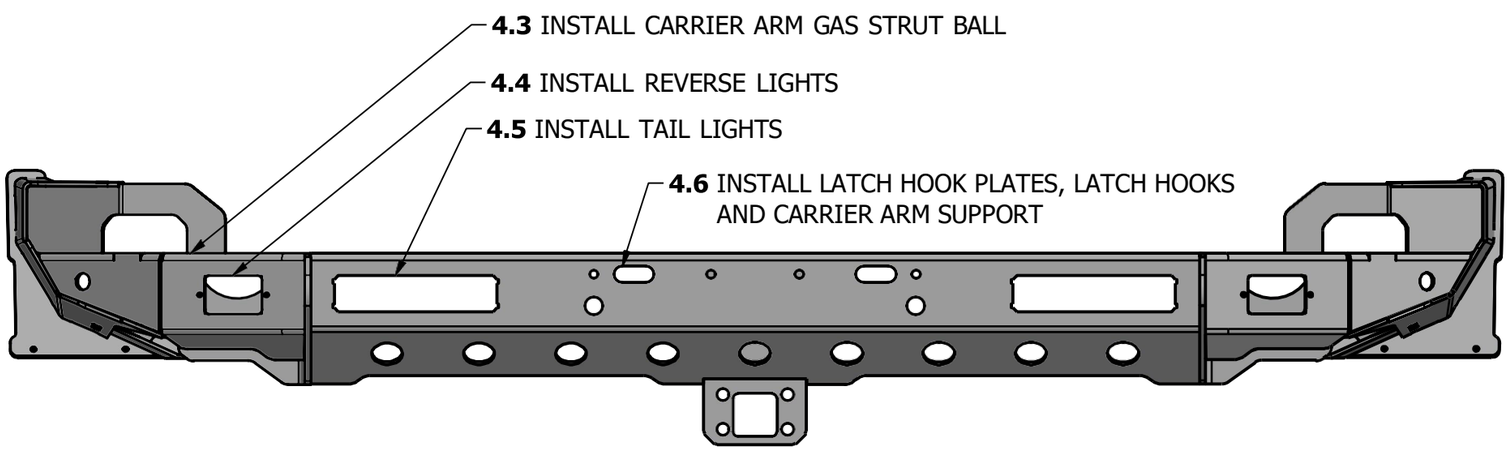
Circuit	Colour
Left-hand turn	Yellow
Reverse signal	Black
Earth return	White
Right-hand turn	Green
Service brakes	Blue
Stop lamps	Red
Rear lamps, clearance & side marker lamps	Brown



4. REAR BAR INSTALL

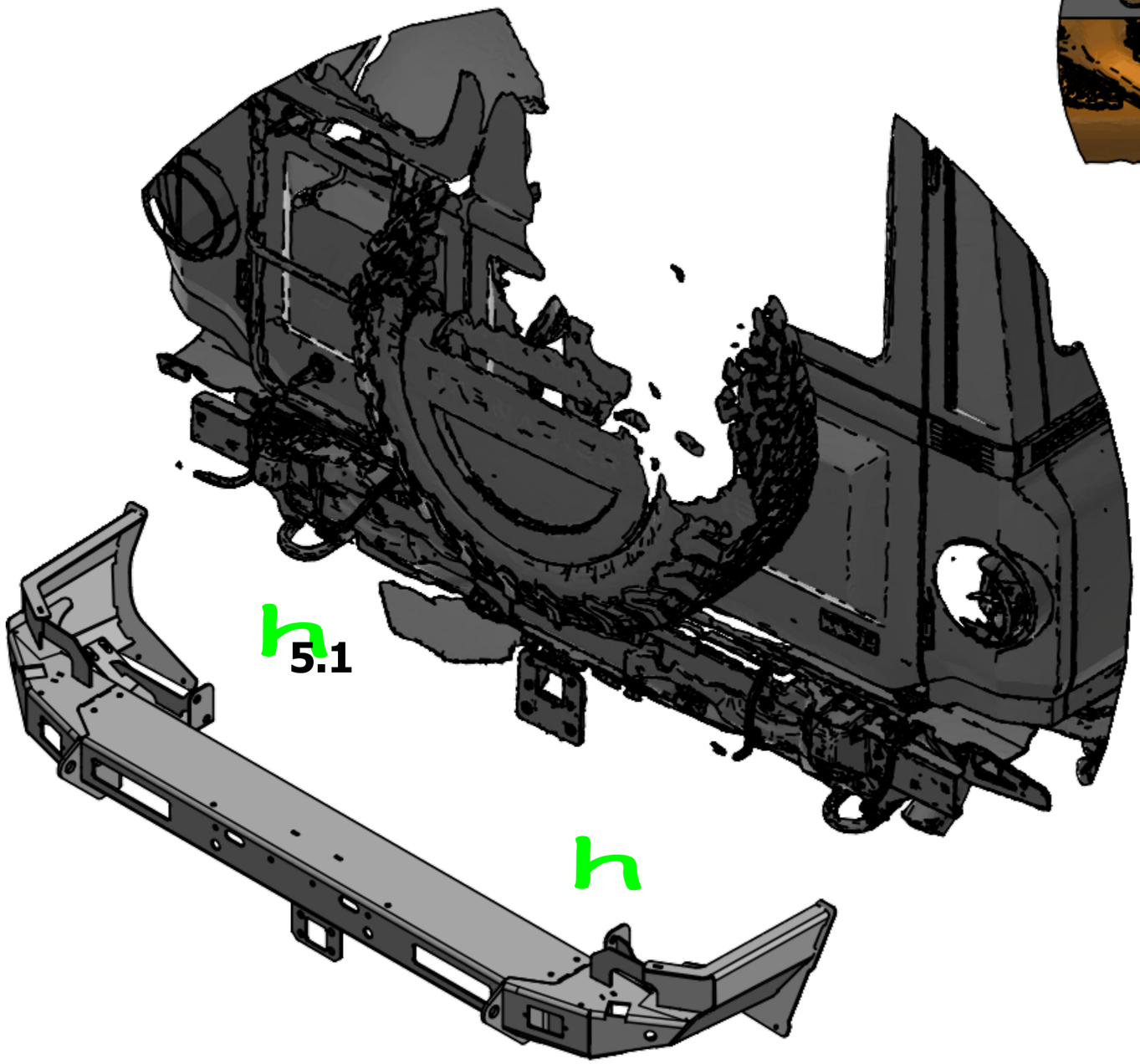
FITTING THE PARKING SENSORS & ACCESSORIES

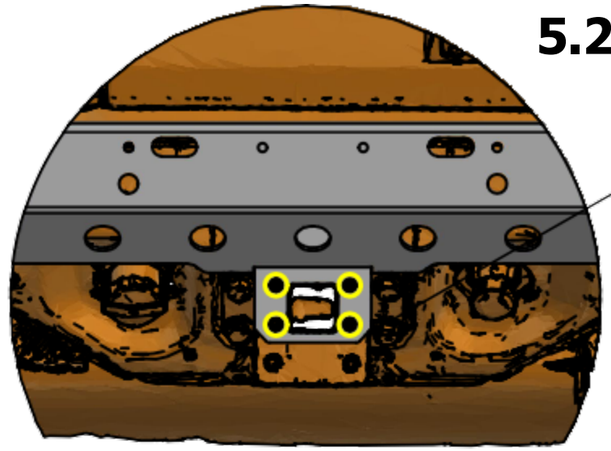




5. REAR BAR INSTALL

FITTING THE REAR BAR TO THE VEHICLE

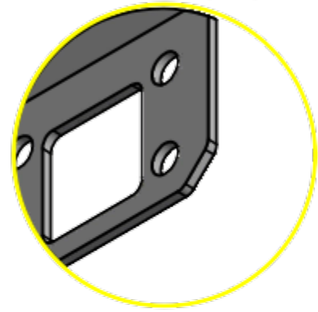


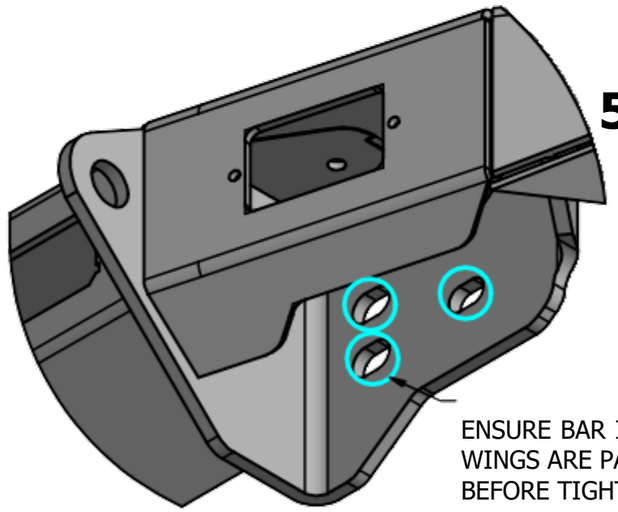


5.2

NOTE: INSERT BOLTS MARKED YELLOW
BUT LEAVE LOOSE UNTIL
BOLTS MARKED BLUE ARE ALL IN.

M12 x 1.5 BOLTS





5.3

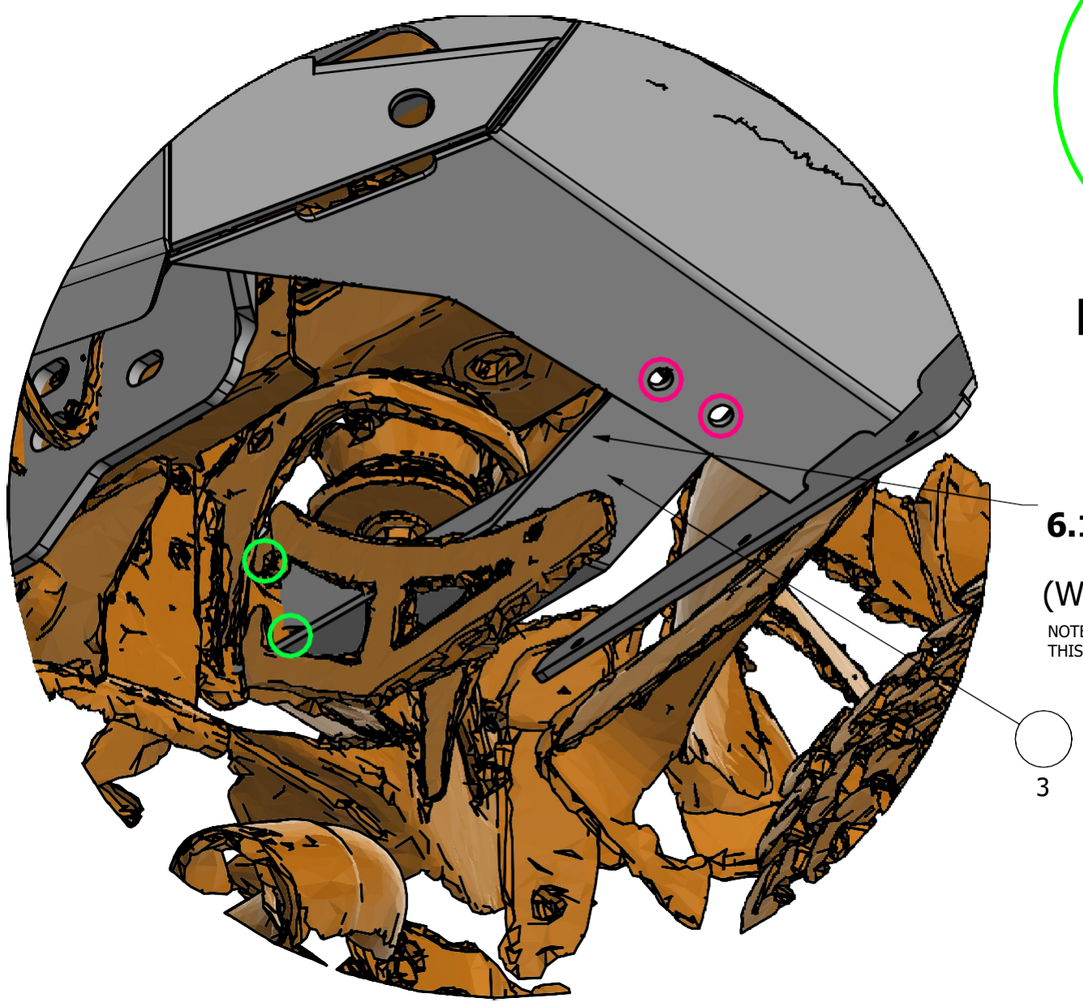
ENSURE BAR IS LEVEL AND
WINGS ARE PARALLEL TO BODY LINES
BEFORE TIGHTENING.

M12 x 1.25 BOLTS
M12 NUTS



6. REAR BAR INSTALL

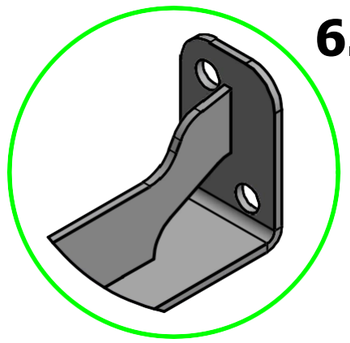
INSTALLING WING TO CHASSIS BRACES AND MUDFLAPS



6.1. INSERT ITEM NO 2 & 3

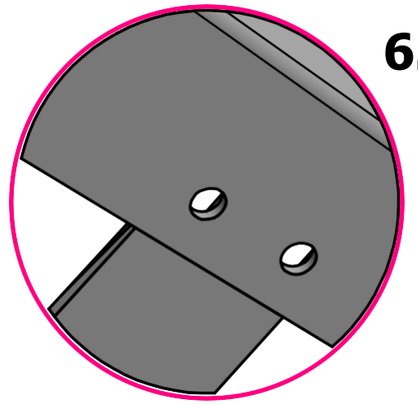
(WING TO CHASSIS BRACES) INTO POSITION.

NOTE: CORNER BUMPER BRACE SHOWN IN IMAGE
THIS MUST BE REMOVED PRIOR TO REAR BAR BEING FITTED



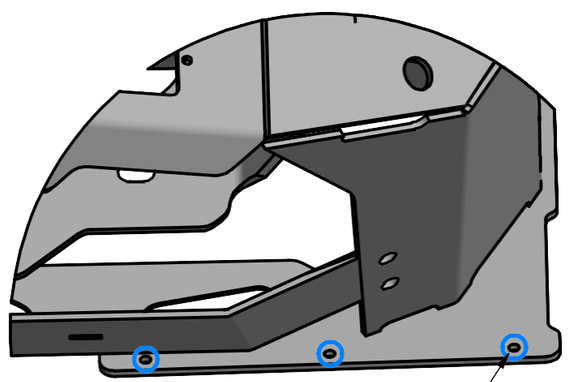
6.2

M10 BOLTS

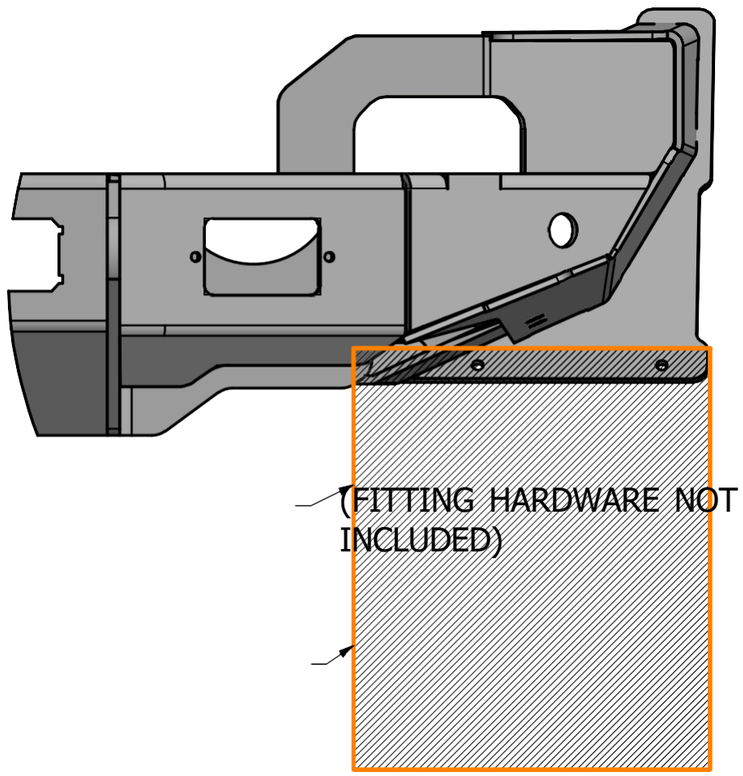


6.3

M10 BOLTS
M10 NUTS



6.5. ATTACH MUDFLAPS WITH HOLES MARKED BLUE



6.4

6MM CLOTH-REINFORCED RUBBER OR
SIMILAR (NOT SUPPLIED)

ENSURE LENGTH AND WIDTH OF MUDFLAP
MEETS APPLICABLE REGULATIONS

TCC LATCH ASSEMBLY

ASSEMBLY INSTRUCTIONS

AUSTRALIAN MADE®

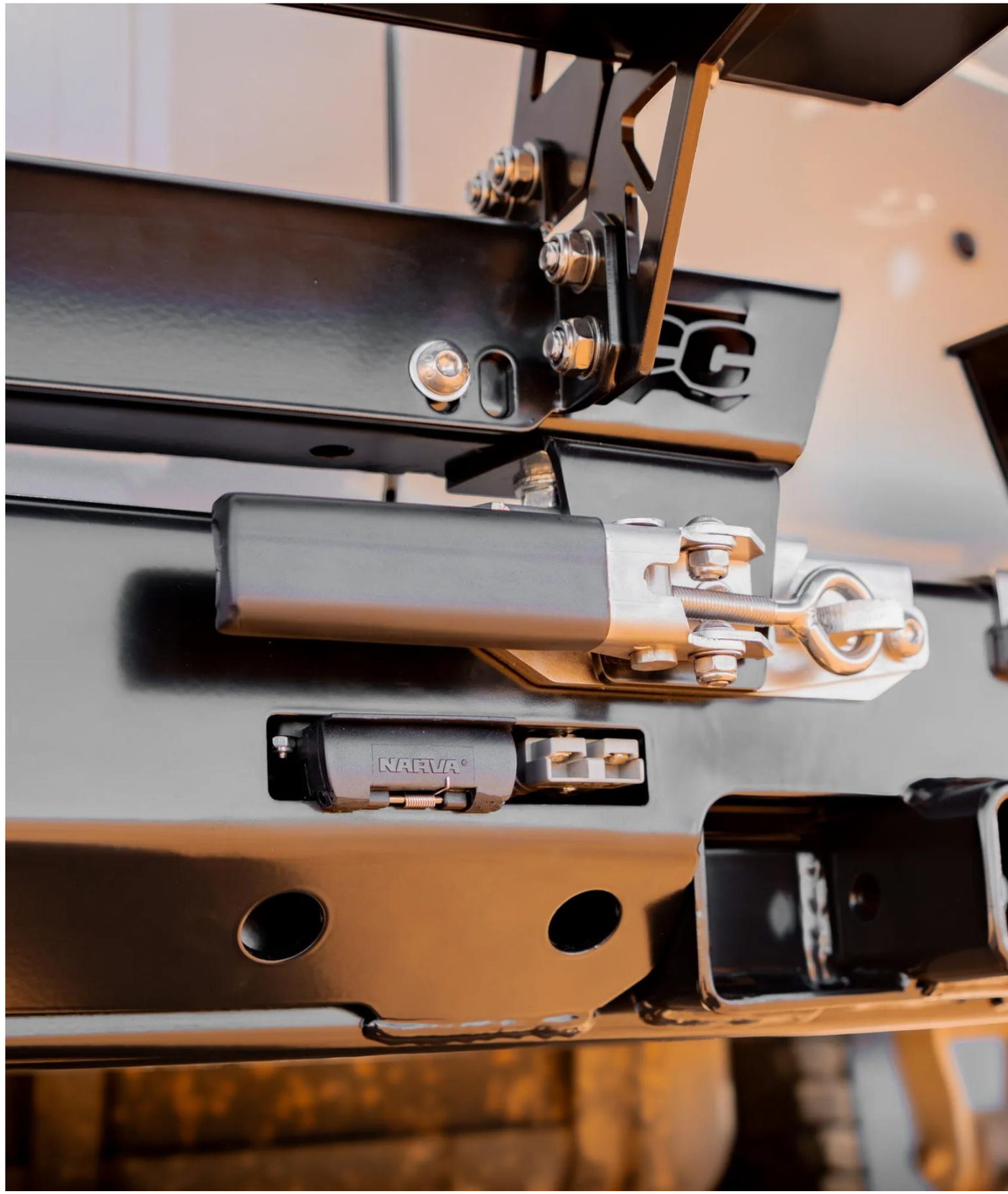
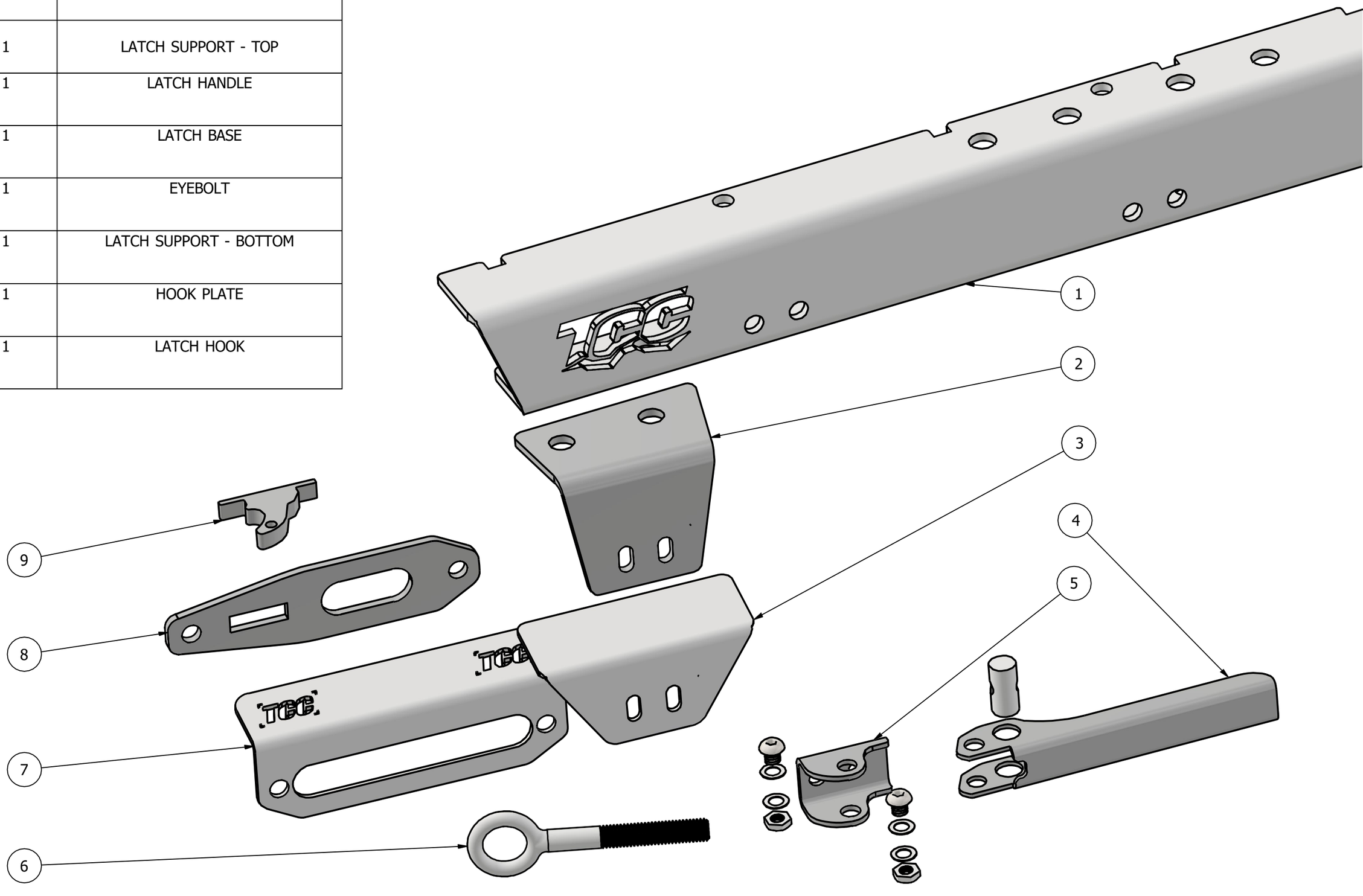


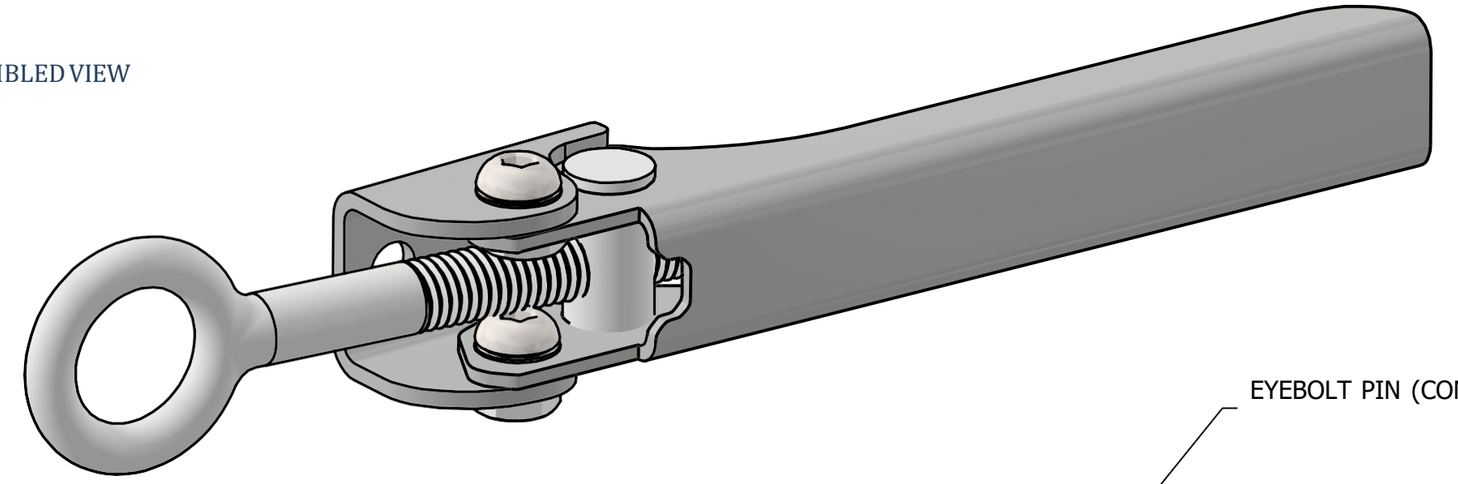
TABLE		
ITEM	QTY	ITEM NAME
1	1	TCC CARRIER ARM
2	1	LATCH DROP DOWN
3	1	LATCH SUPPORT - TOP
4	1	LATCH HANDLE
5	1	LATCH BASE
6	1	EYEBOLT
7	1	LATCH SUPPORT - BOTTOM
8	1	HOOK PLATE
9	1	LATCH HOOK



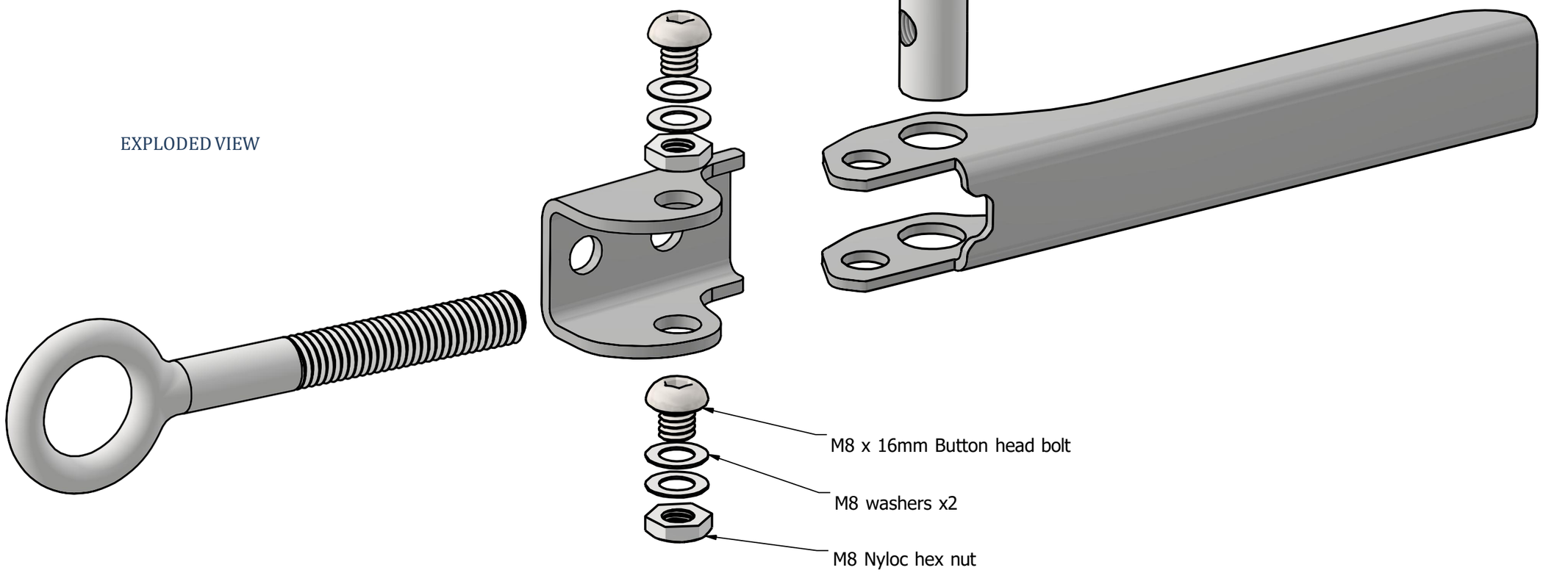
1. LATCH ASSEMBLY

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



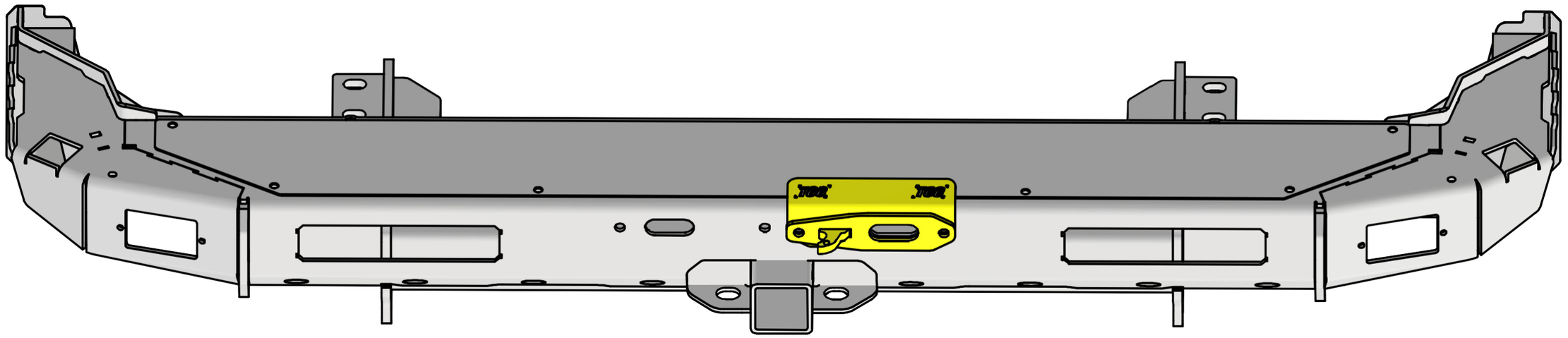
EXPLODED VIEW



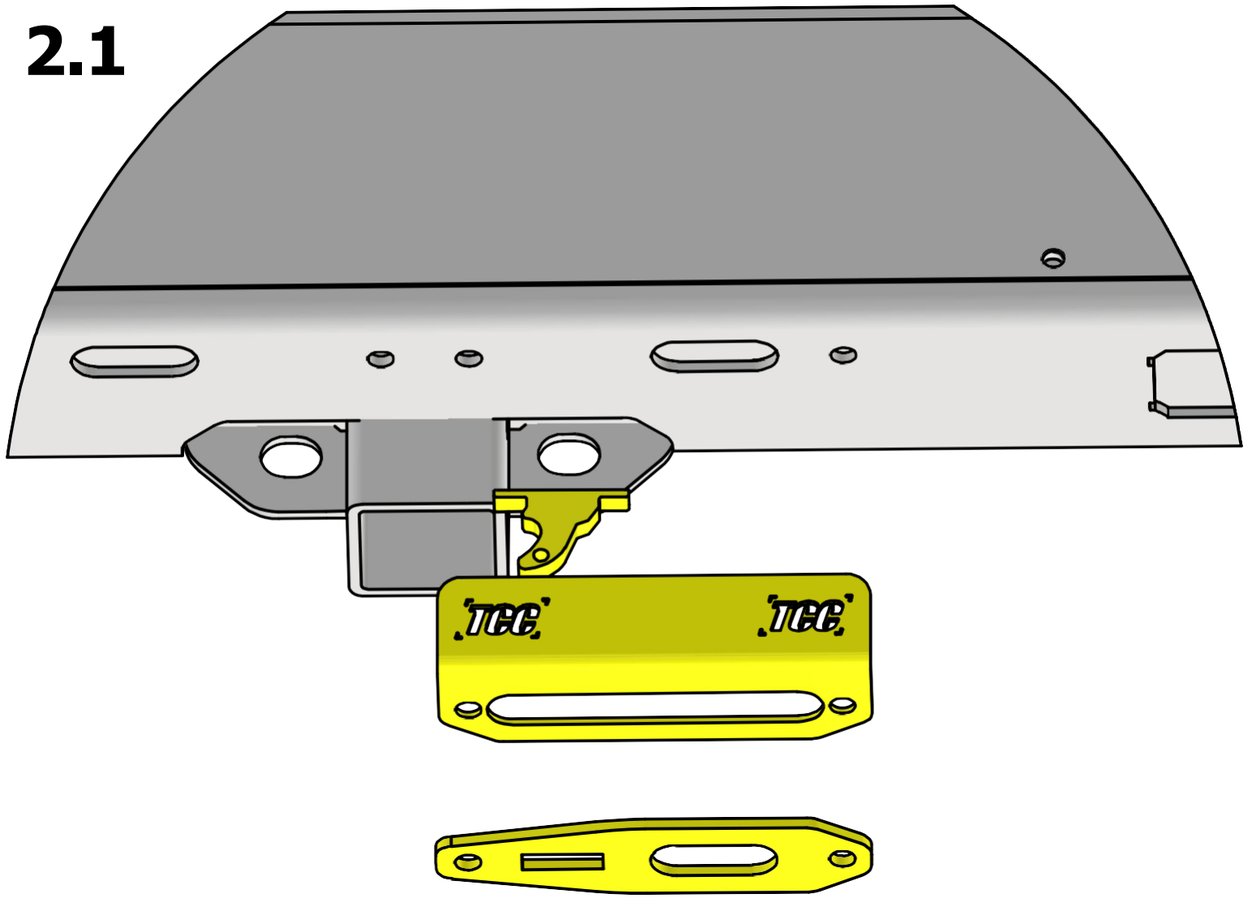
please note: previous generation of latch shown. Construction has not changed between generations.

2. JOINING LATCH TO REAR BAR

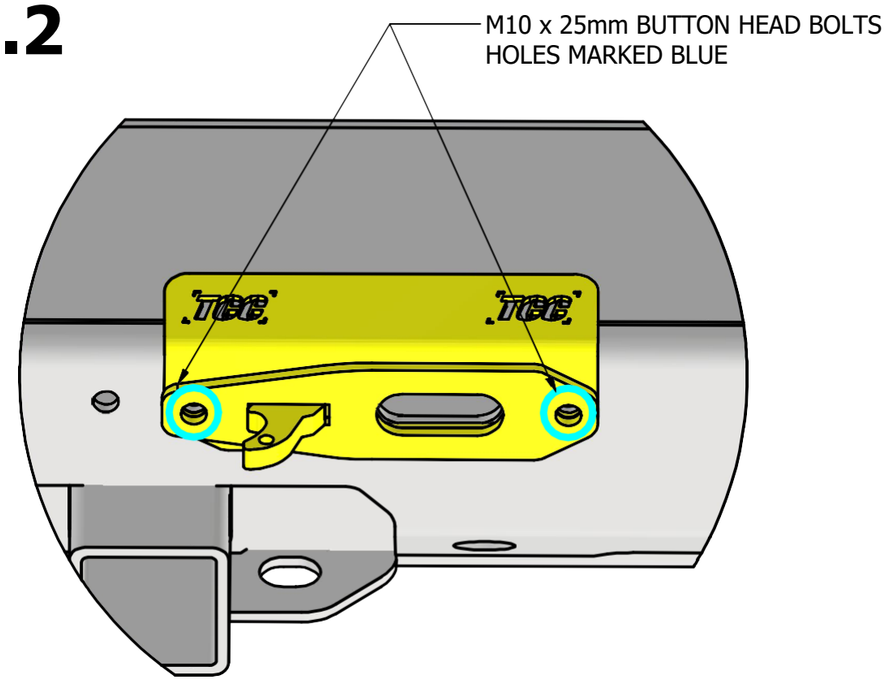
BAR BASE



2.1



2.2



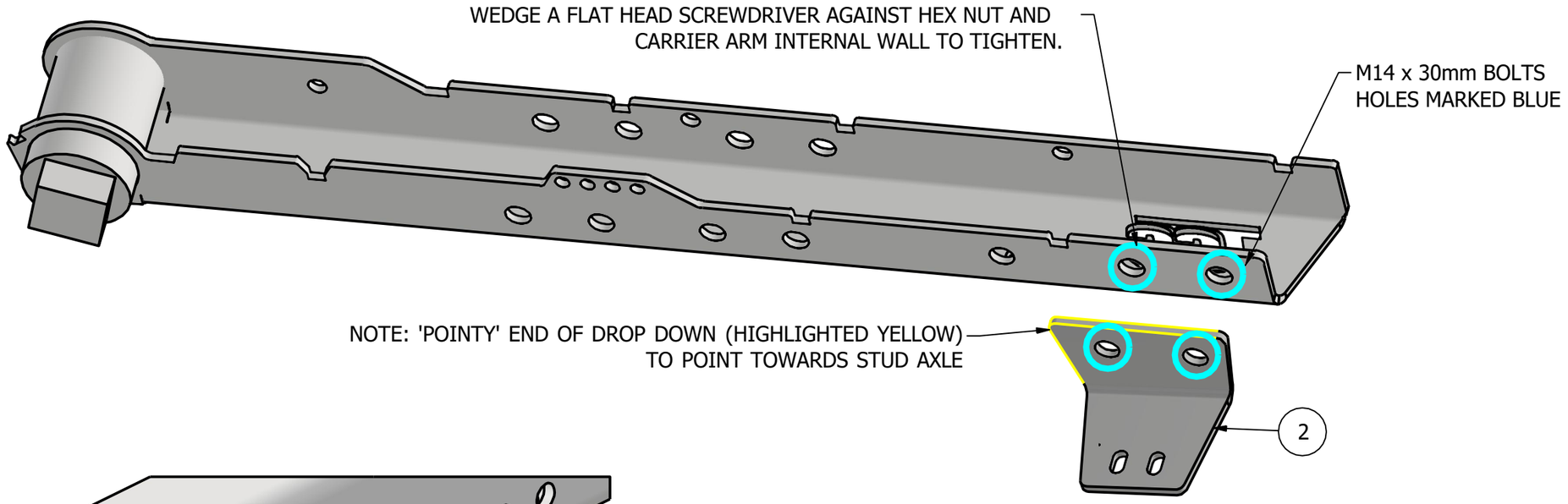
NOTE ORIENTATION OF ALL PARTS SHOWN

3. JOINING LATCH TO REAR BAR

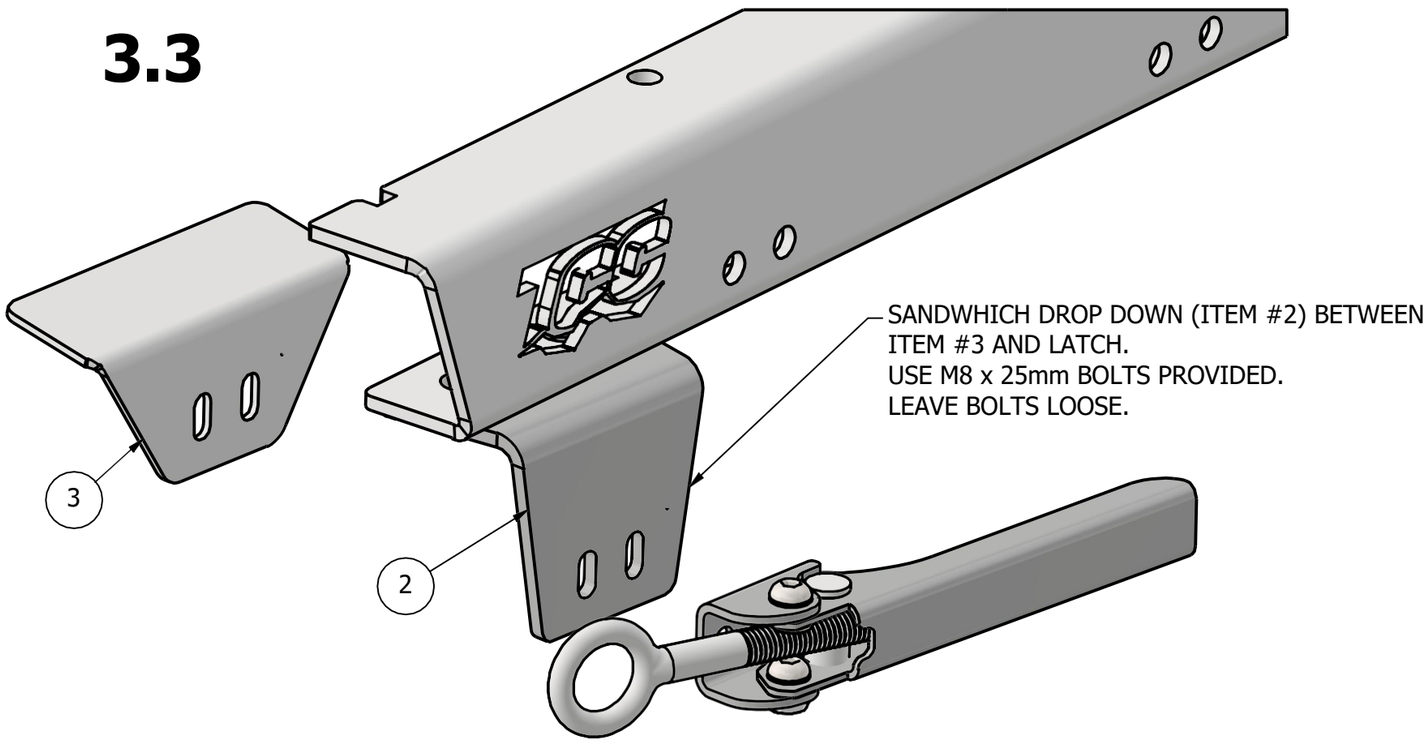
CARRIER ARM

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

3.2 REAR VIEW OF PASSENGER SIDE ARM



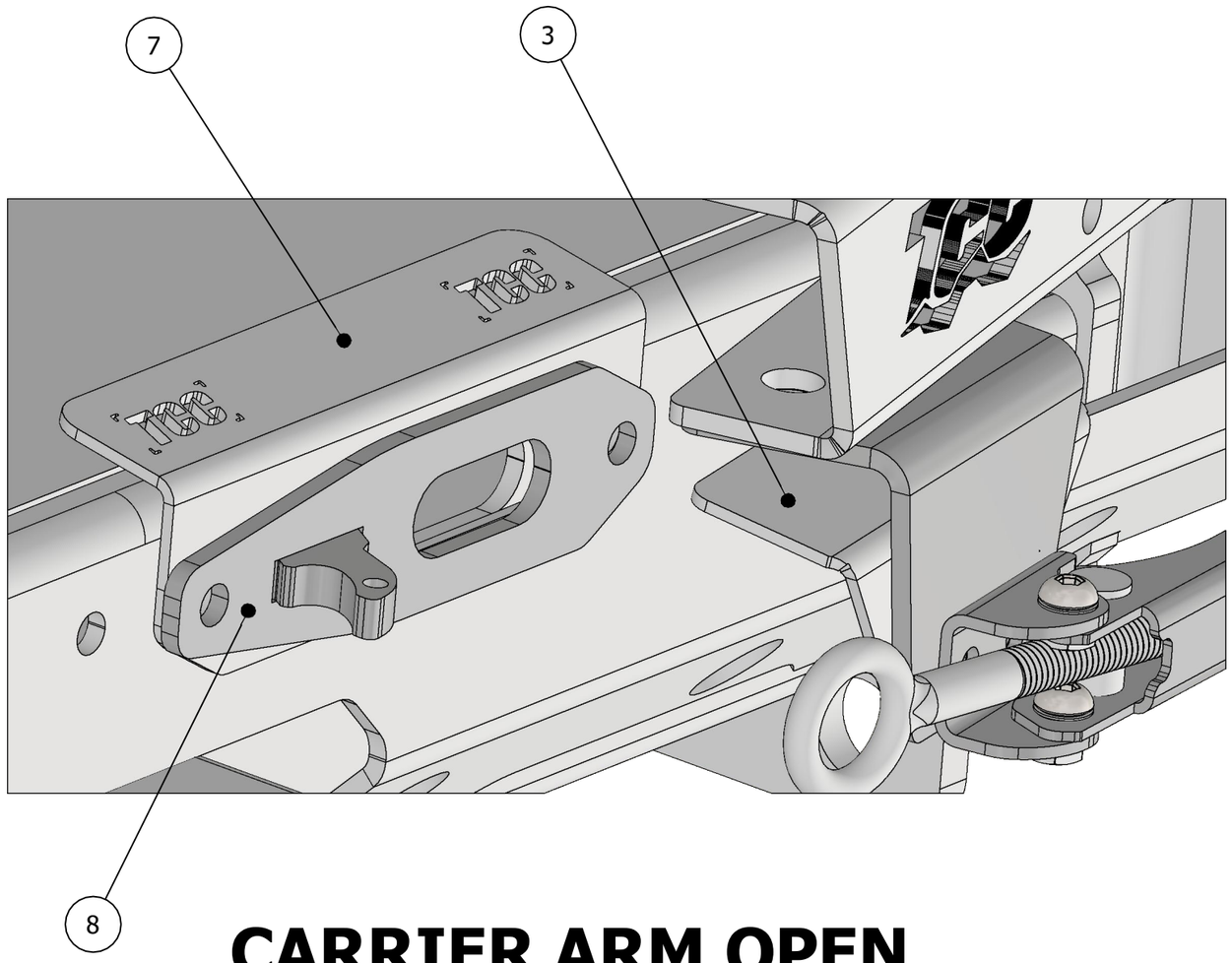
3.3



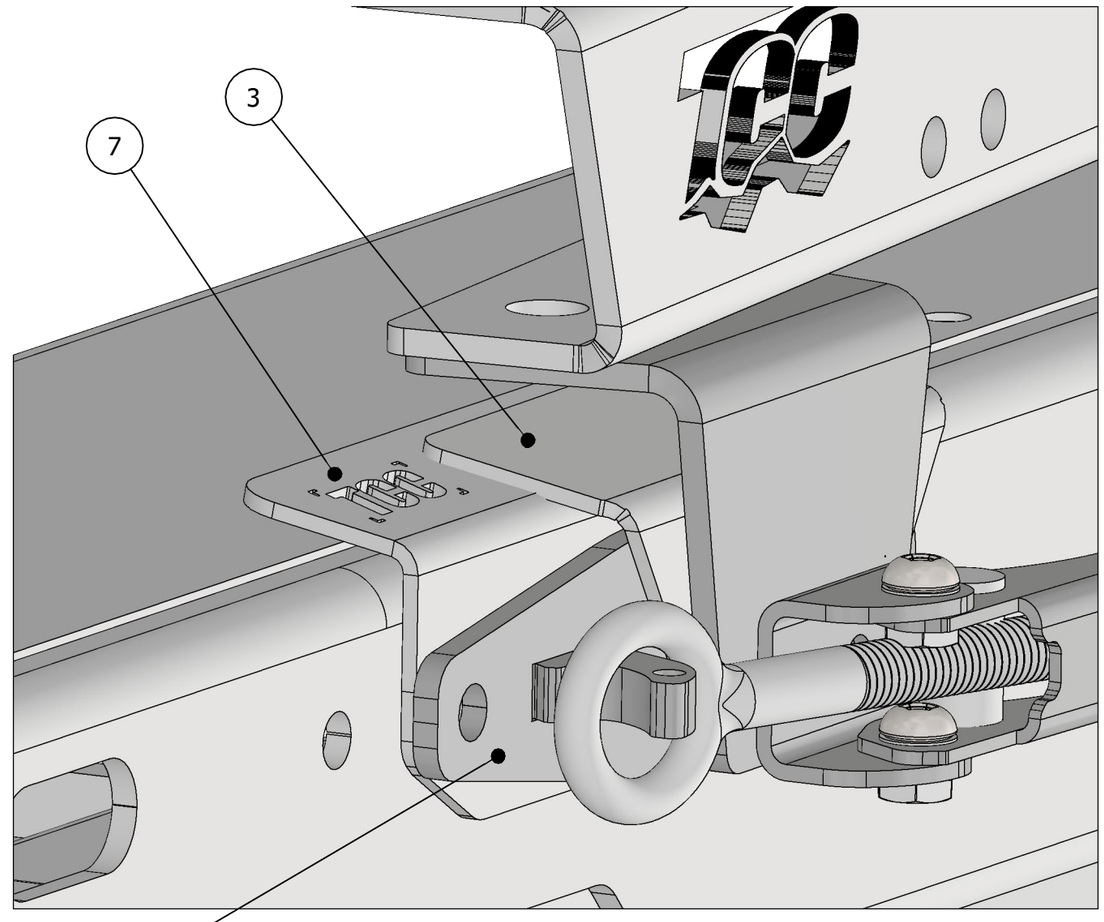
3. JOINING LATCH TO REAR BAR

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**.



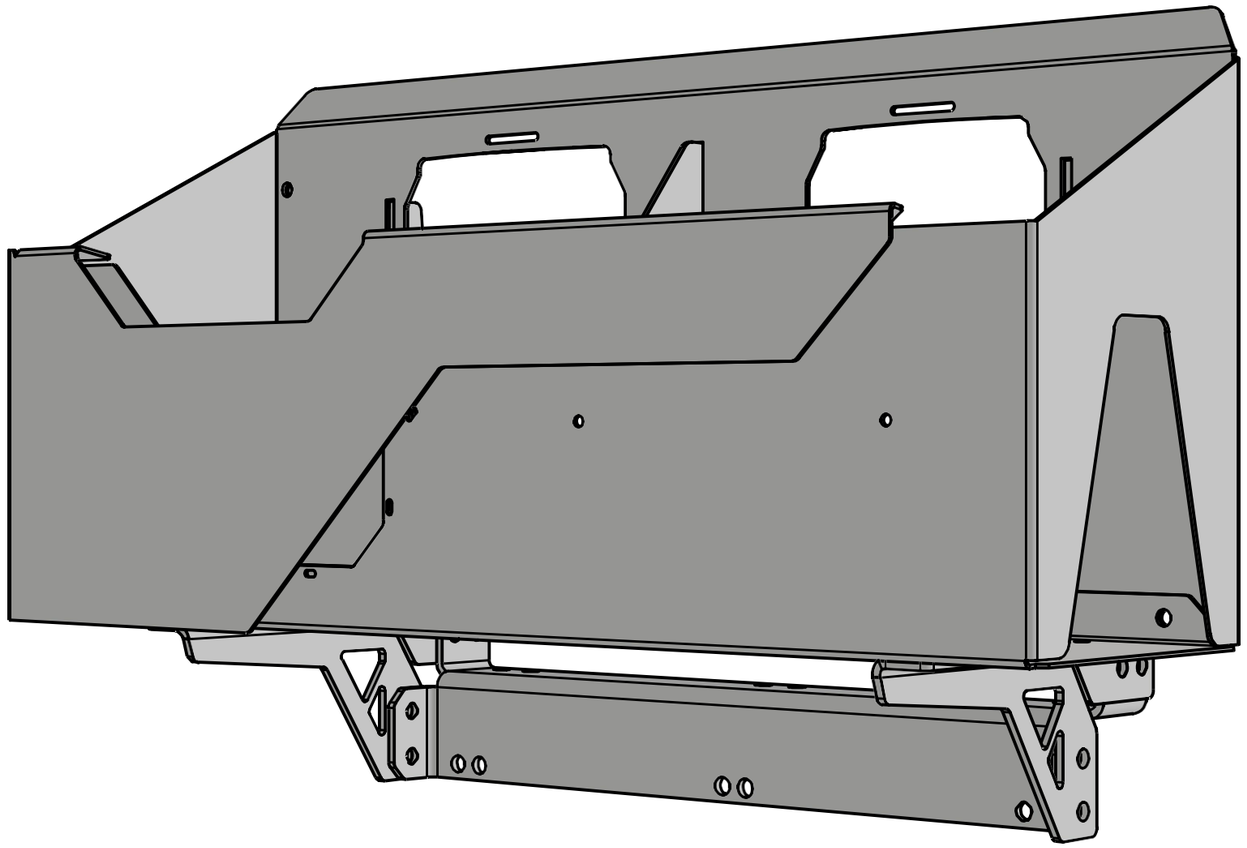
CARRIER ARM OPEN

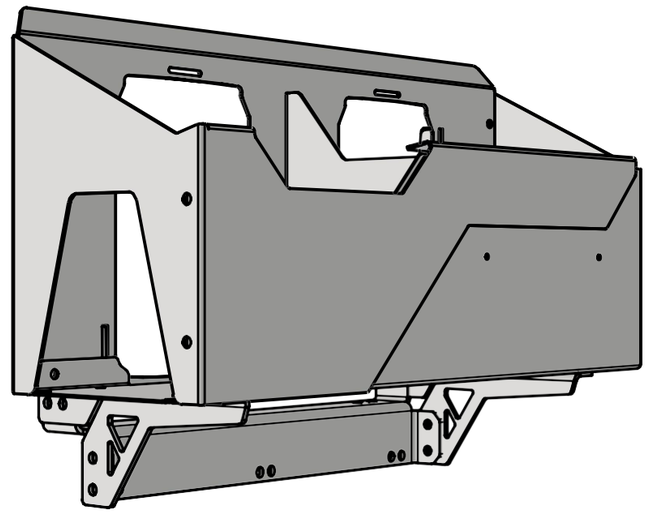


CARRIER ARM CLOSED

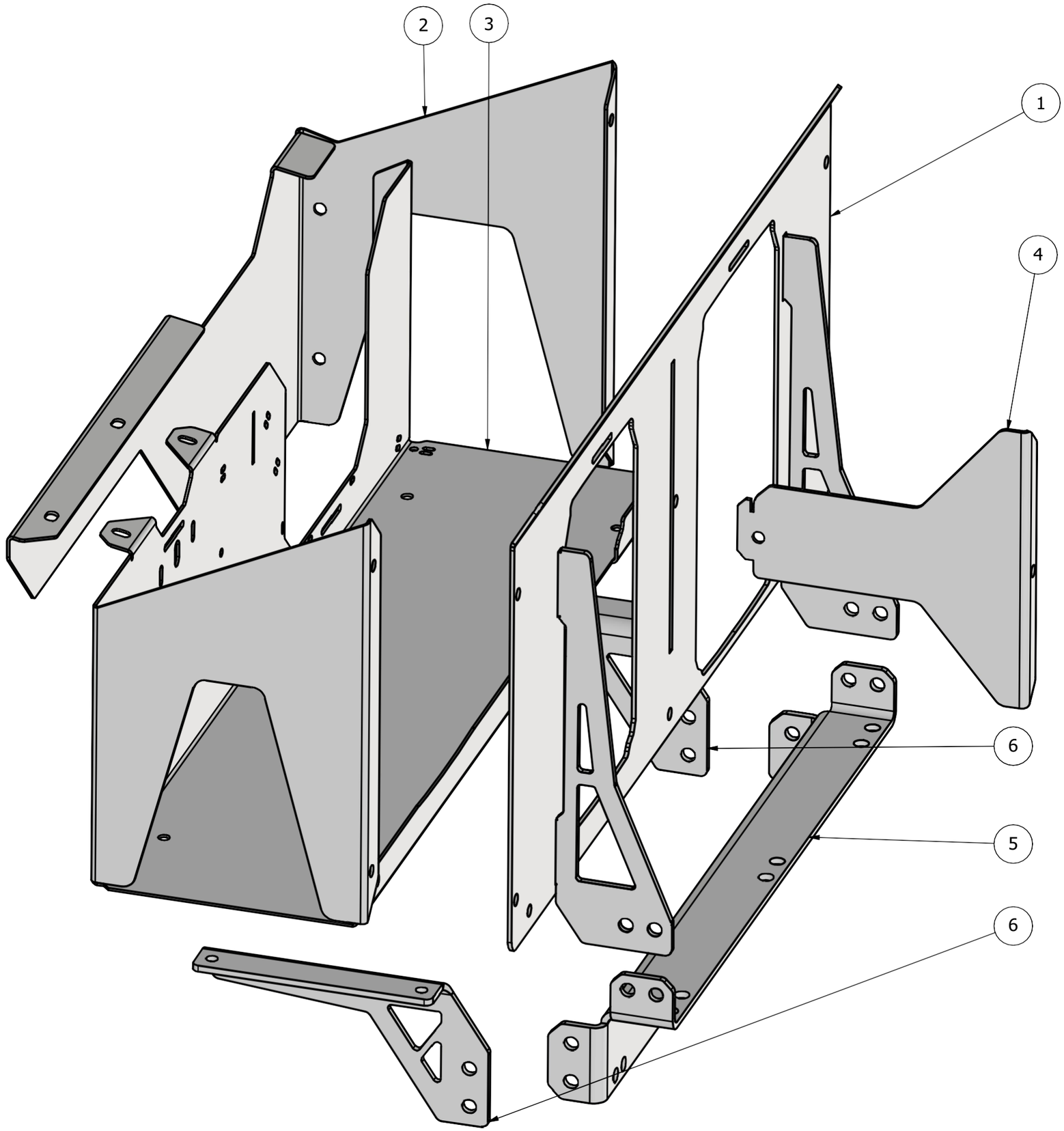
TCC JERRY/GAS HOLDER

ASSEMBLY INSTRUCTIONS



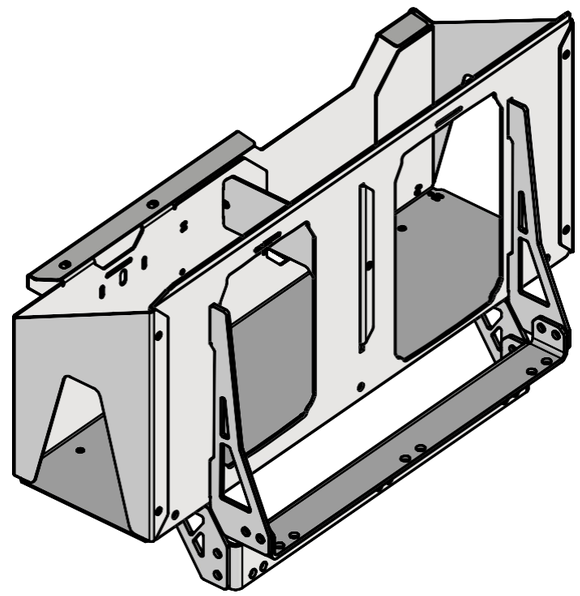


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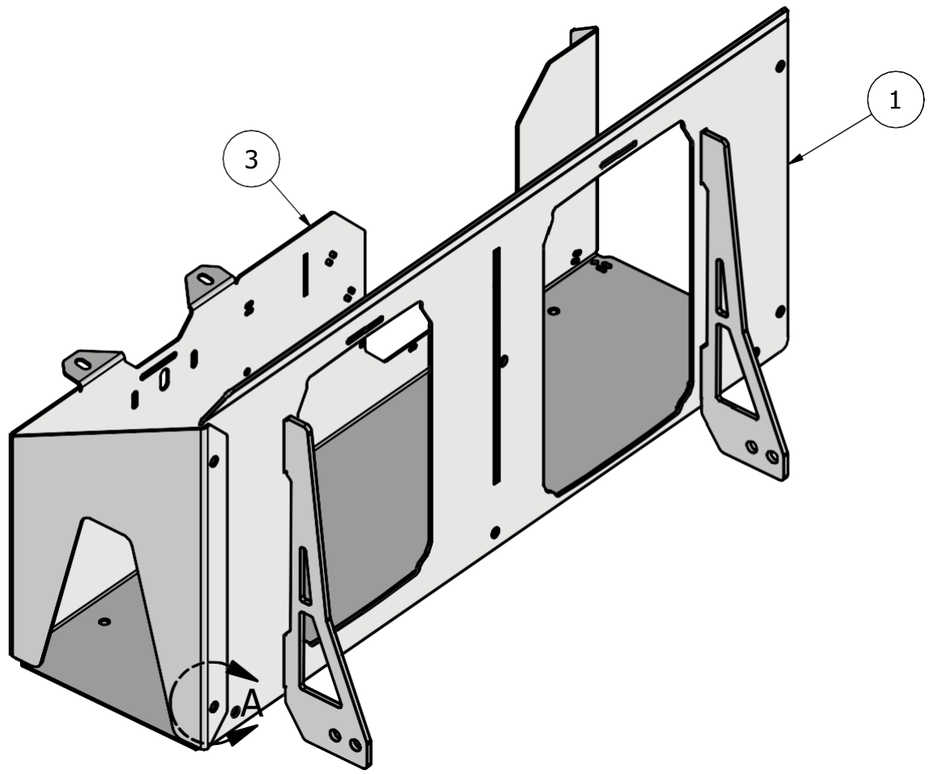
PARTS LIST		
ITEM	QTY	DESCRIPTION
1	1	JERRY BACKING
2	1	JERRY FRONT COVER
3	1	JERRY INTERNAL
4	1	JERRY DIVIDER
5	1	UNIVERSAL SHELF BASE
6	2	JERRY LOWER GUSSET

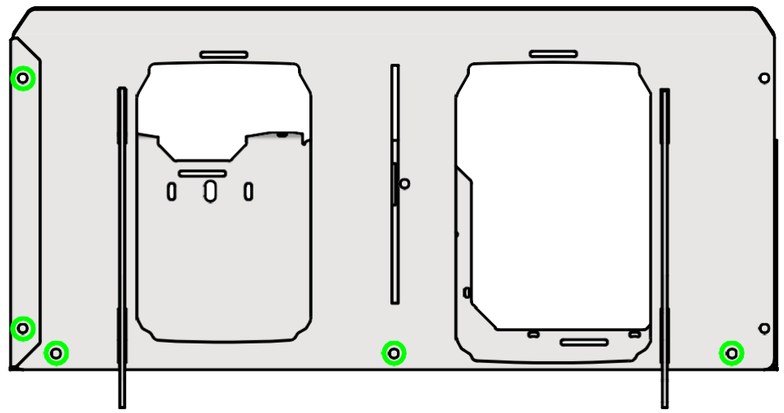
HARDWARE KIT (INCLUDED)	
QTY	DESCRIPTION
8	M10 X 25mm BUTTON HEAD BOLTS
6	M10 X 20mm BUTTON HEAD BOLTS
28	M10 WASHERS
14	M10 NUTS
16	M8 x 20mm BUTTON HEAD BOLTS
32	M8 WASHERS
16	M8 NUTS

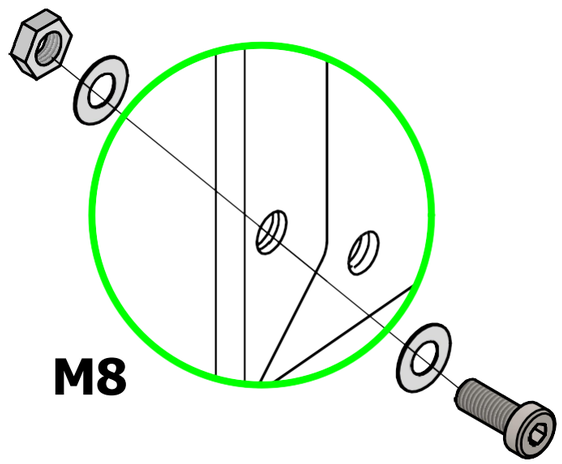


FULLY ASSEMBLED

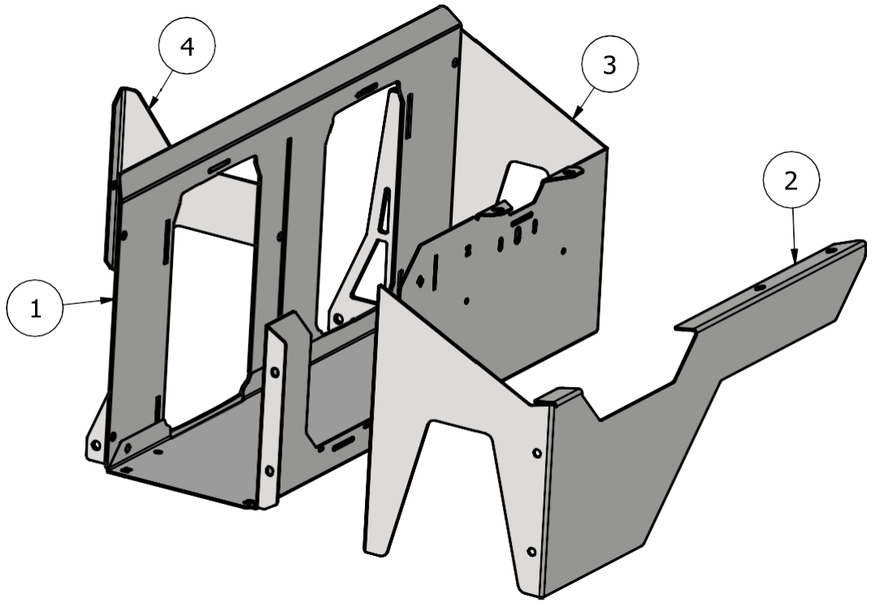
1. JERRY BODY CONSTRUCTION

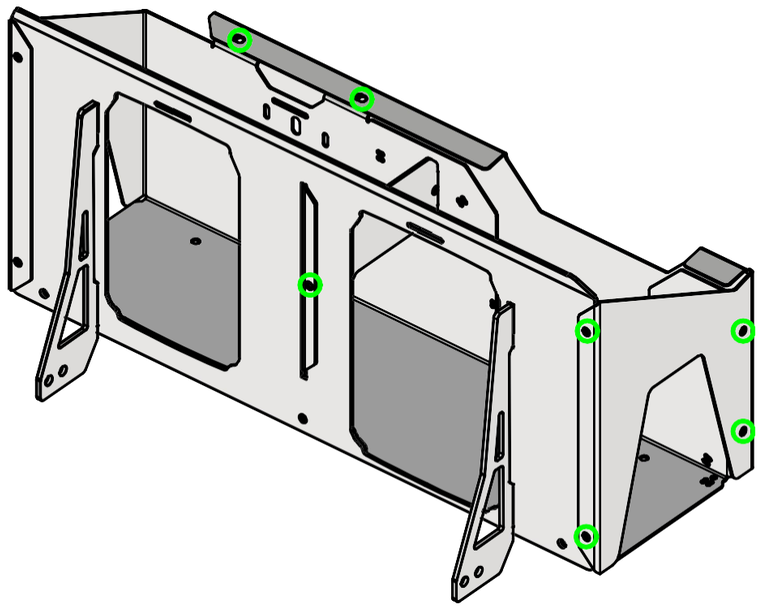




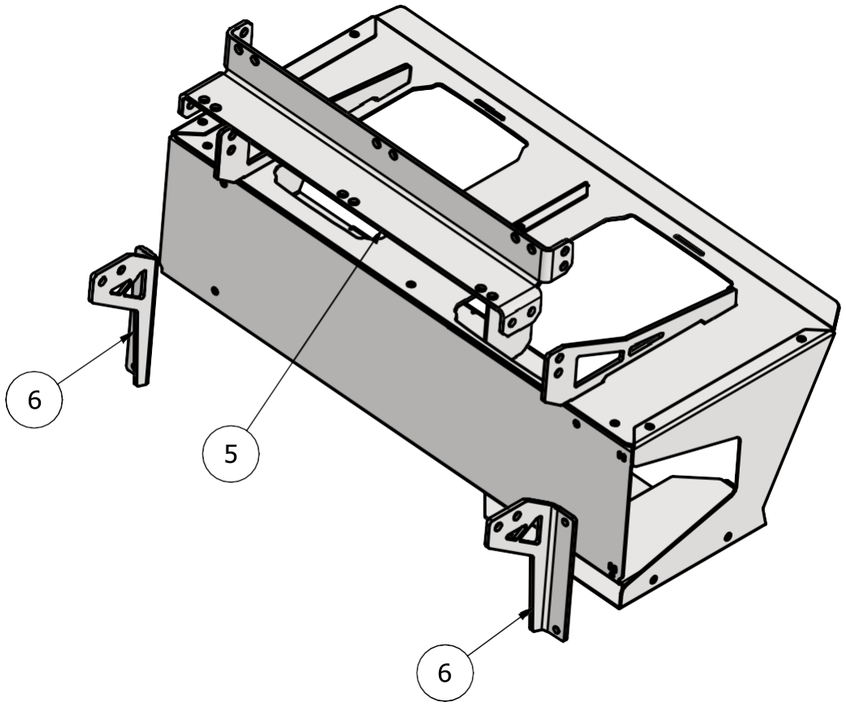


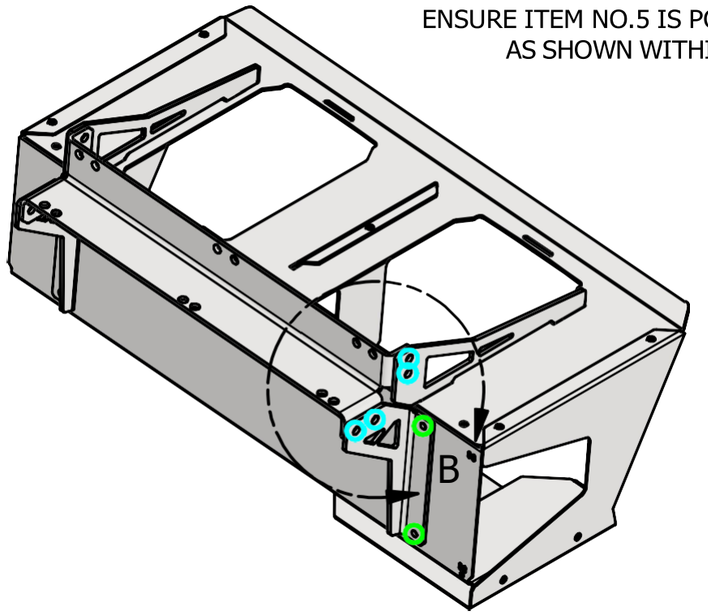
2. JERRY BODY CONSTRUCTION



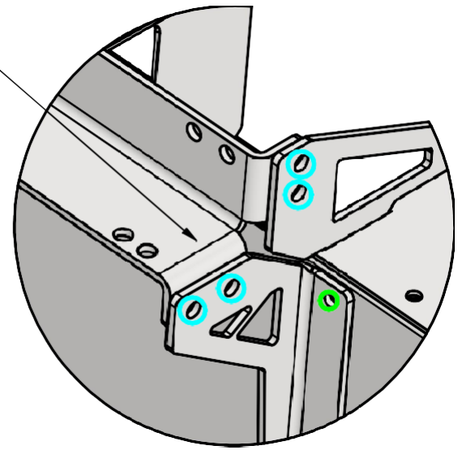


3. ATTACH UNIVERSAL MOUNT

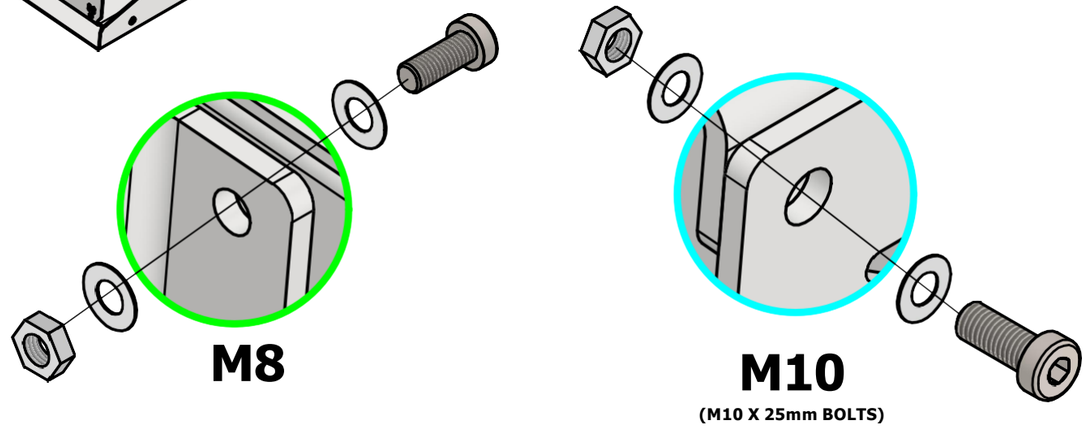




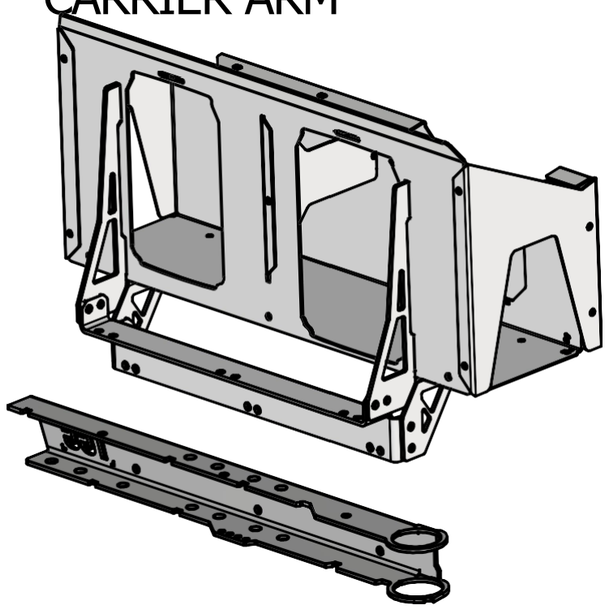
ENSURE ITEM NO.5 IS POSITIONED AS SHOWN WITHIN MOUNTS

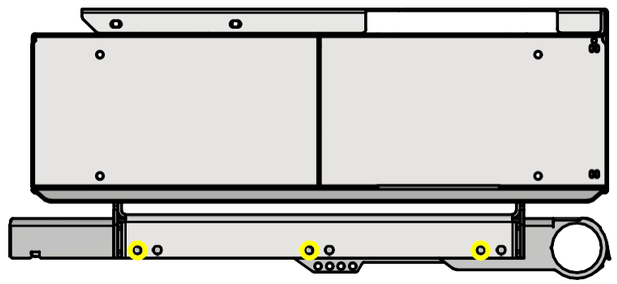


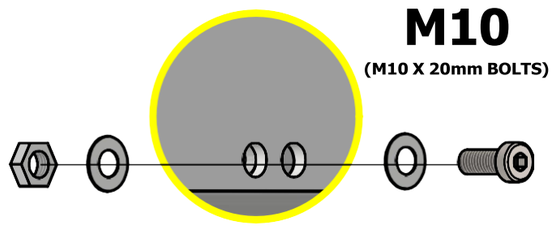
DETAIL B

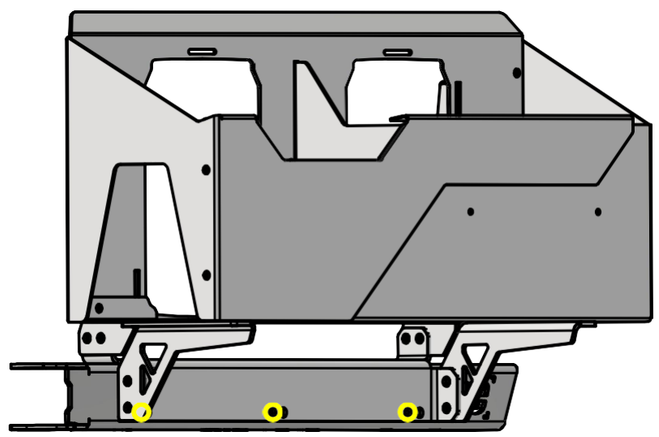


4. ATTACH ASSEMBLY TO CARRIER ARM







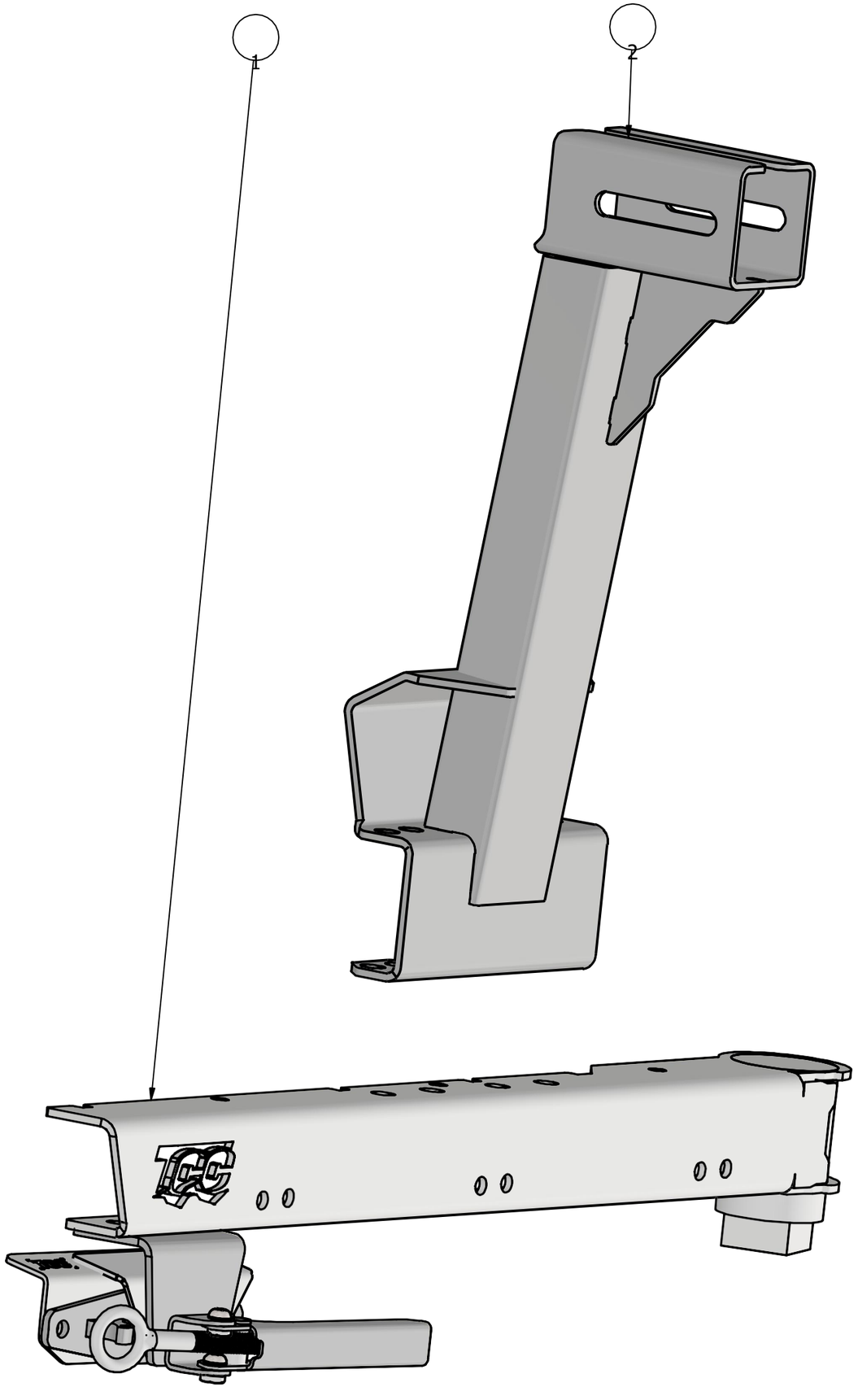


TCC TYRE UPRIGHT & TYRE HEAD

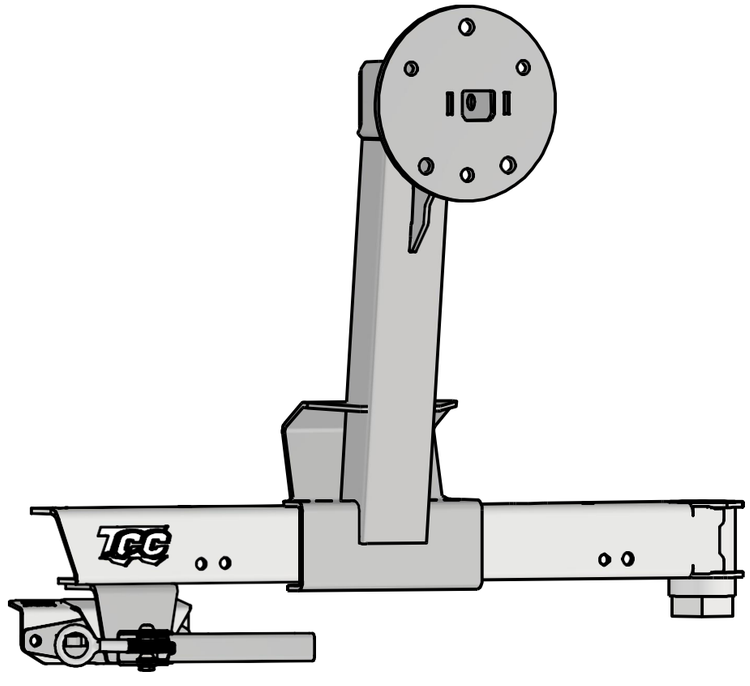
ASSEMBLY INSTRUCTIONS



AUSTRALIAN MADE®



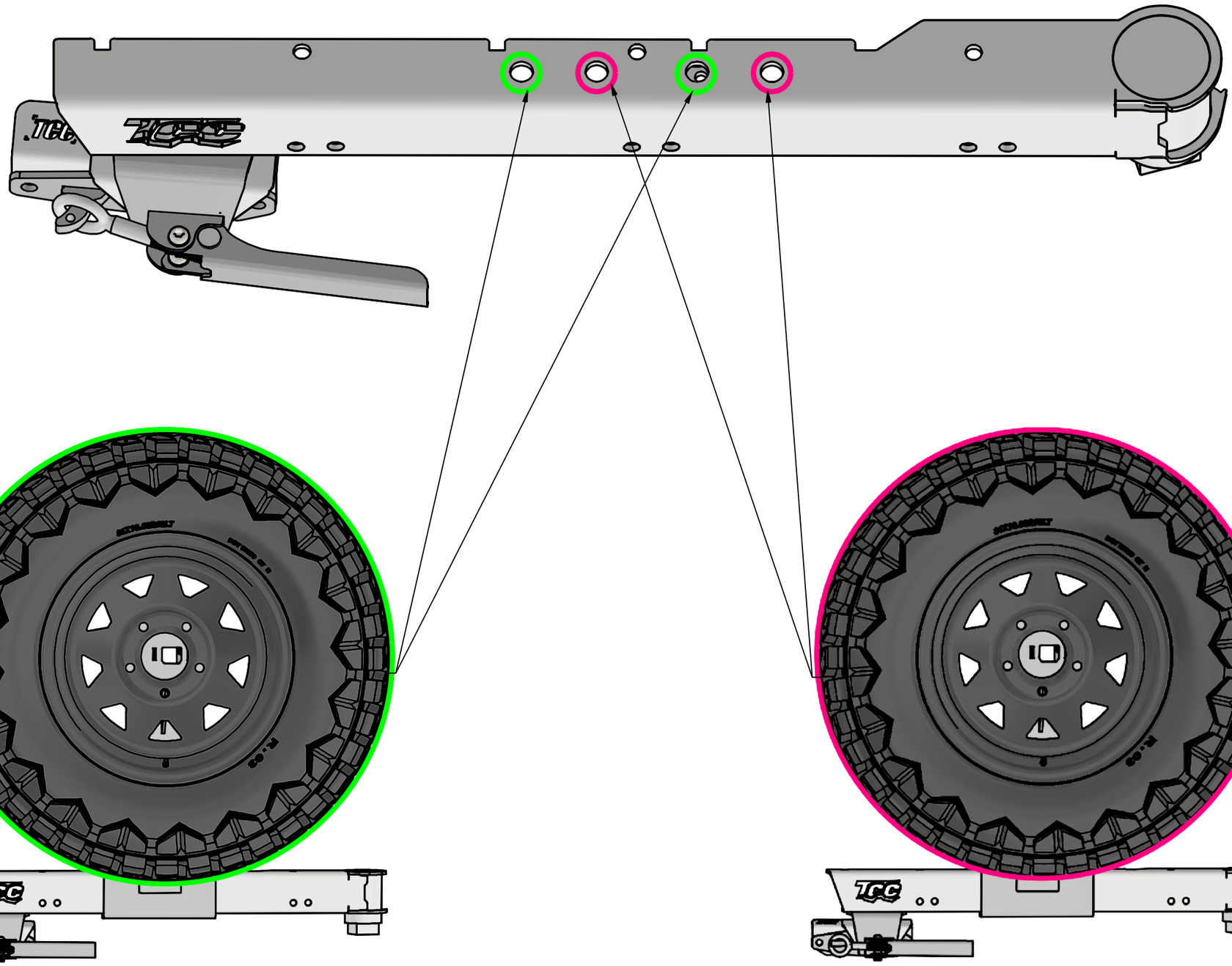
PARTS LIST		
ITEM #	QTY	PART NAME
1	1	TCC CARRIER ARM ASSEMBLY
2	1	TYRE UPRIGHT
3	1	TYRE HEAD



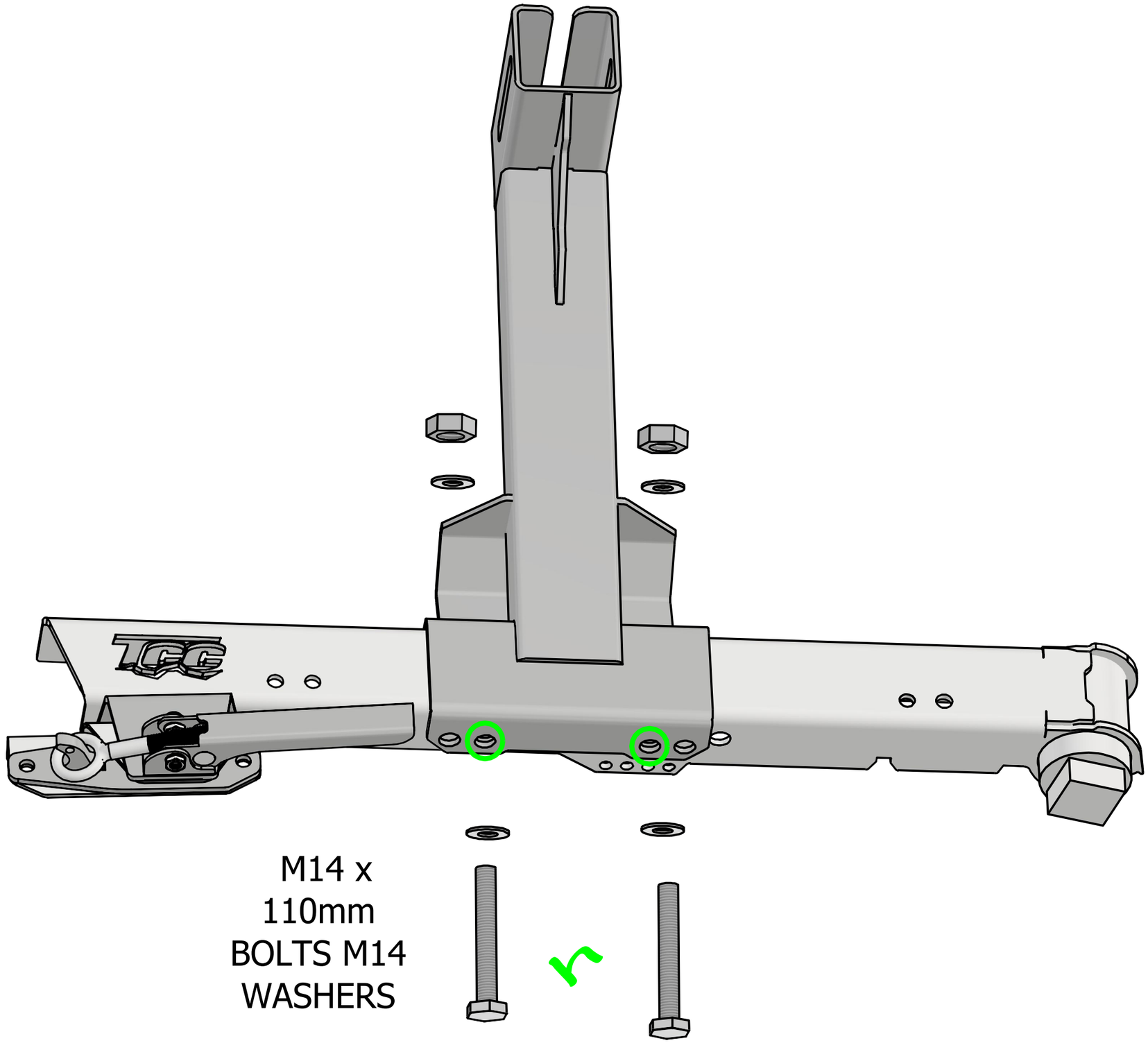
ASSEMBLED VIEW

1. INSTALL THE TYRE UPRIGHT

TCC Carrier Arm must be assembled prior to installation



2. INSTALL TYRE UPRIGHT

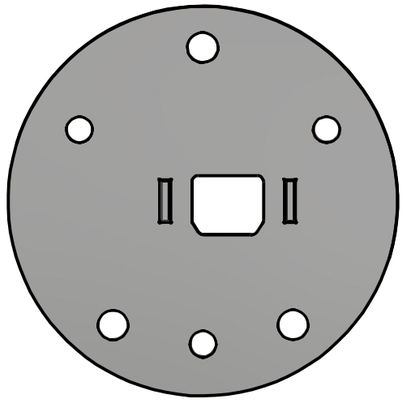


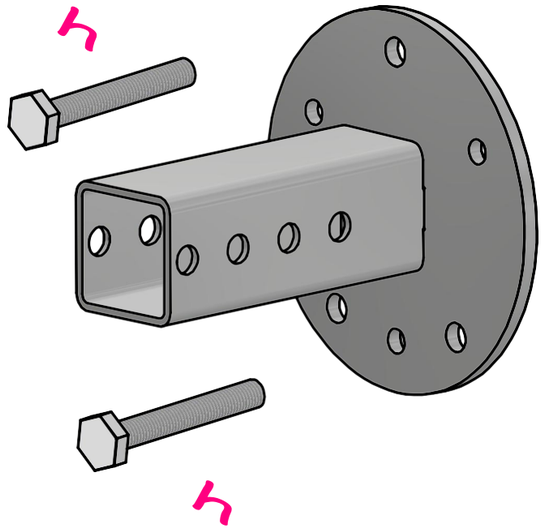
M14 x
110mm
BOLTS M14
WASHERS

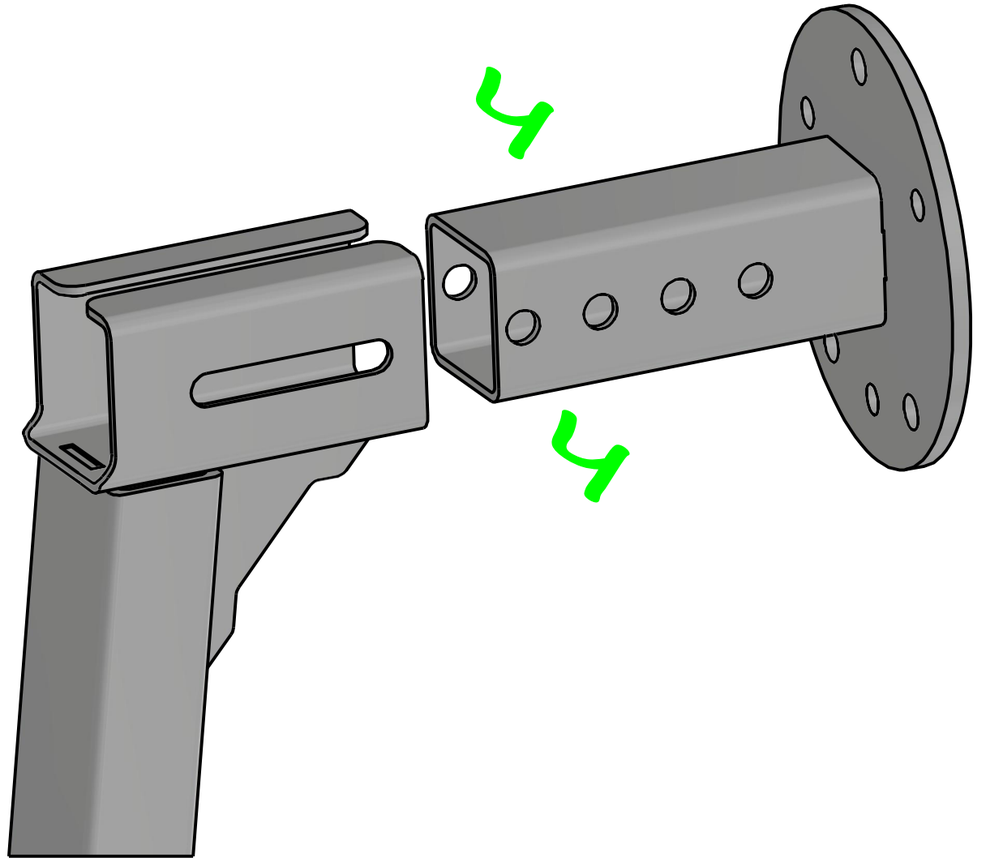
M14 NUTS

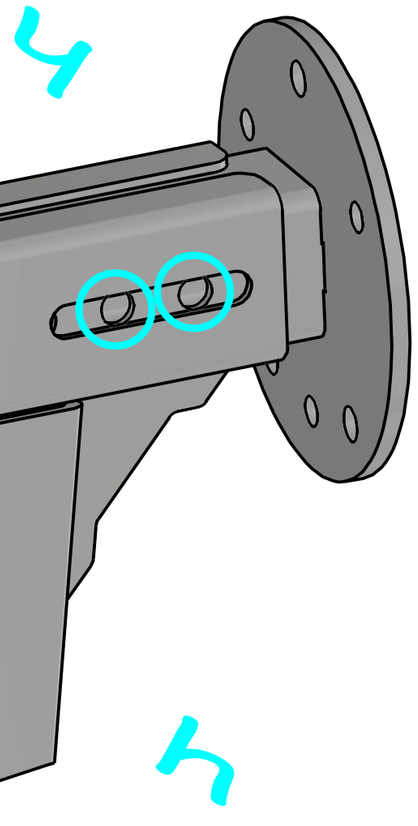
DOUBLE CHECK CLEARANCE TO REAR OF VEHICLE ADJUST BUMP STOP AS REQUIRED

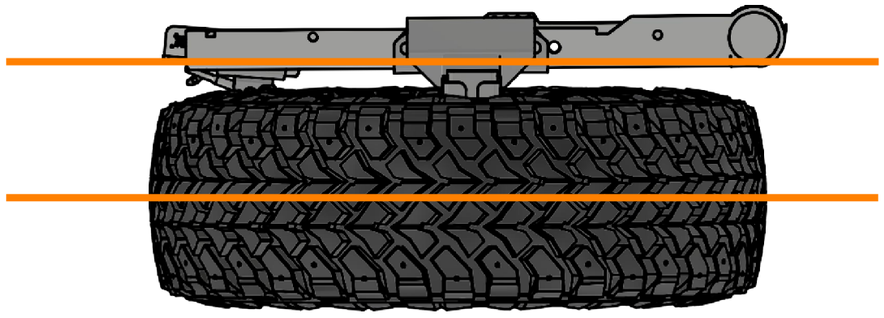
3. MOUNT TYRE HEAD

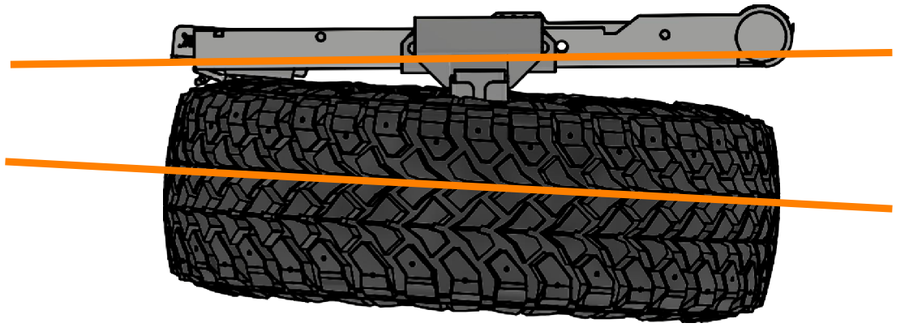












LARGE HOLES: 5 X 150 STUD PATTERN

SMALL HOLES: 6 X 139.7 STUD PATTERN

ADJUST IN/OUT
FOR WHEEL
OFFSET

M14 x 30mm BOLTS
M14 WASHERS
M14 NUTS