# TCC LC 80 REAR BAR (NO INTEGRATED TOWBAR)

## TECHNICAL DATA SHEET & FITTING INSTRUCTIONS

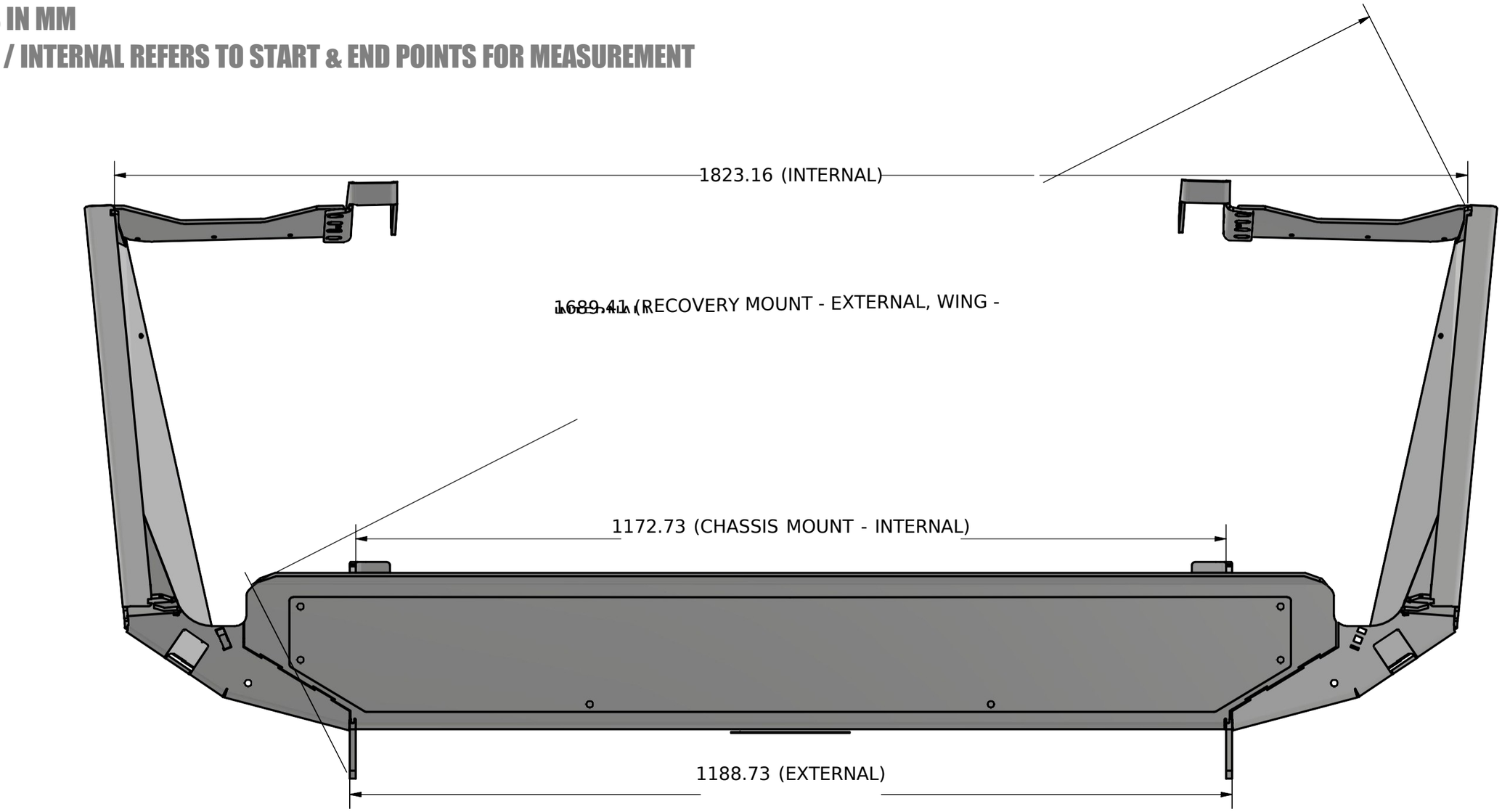
*** BAR BASE ONLY - JERRY HOLDER, CARRIER ARM, LATCH & TYRE UPRIGHT**
**INSTRUCTIONS FOUND AT: www.thecruisercompany.com.au**

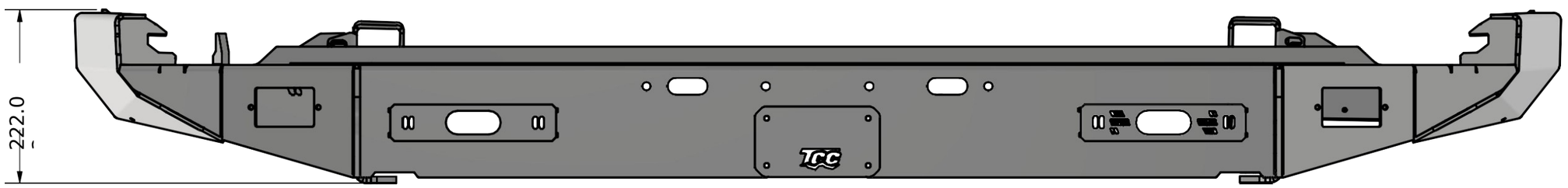
**PLEASE NOTE:** No crossmember cut is required for this rear bar. Only the TCC incorporated towbar rear bar requires the crossmember to be cut.

# GENERAL DIMENSIONS

## ALL UNITS IN MM

## EXTERNAL / INTERNAL REFERS TO START & END POINTS FOR MEASUREMENT

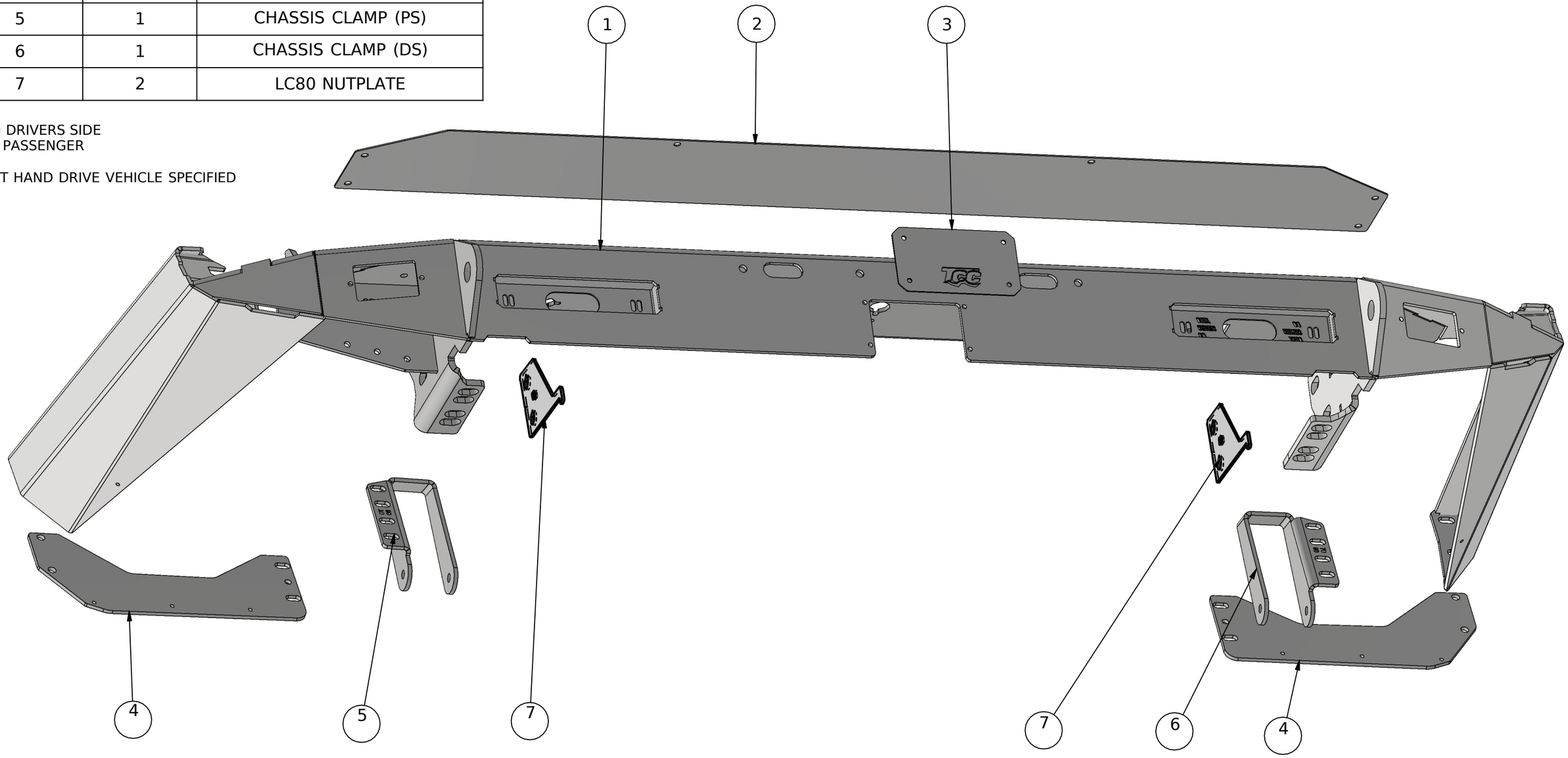


# BAR BASE ASSEMBLY

| PARTS LIST | | |
|---|---|---|
| ITEM | QTY | PART NAME |
| 1 | 1 | LC80 REAR BAR BASE |
| 2 | 1 | TREAD PLATE |
| 3 | 1 | TOW HITCH COVER |
| 4 | 2 | WING TO CHASSIS BRACE |
| 5 | 1 | CHASSIS CLAMP (PS) |
| 6 | 1 | CHASSIS CLAMP (DS) |
| 7 | 2 | LC80 NUTPLATE |

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



# 1. PREPARING FOR INSTALL

## TOOLS REQUIRED

**NOT INCLUDED**

| |
|---|
| 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 |

## VEHICLE SPECIFIC MOUNTING HARDWARE

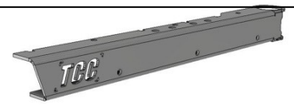
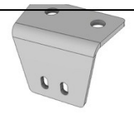
| HARDWARE | QTY | POSITION |
|---|---|---|
| M8 x 20mm BUTTON HEAD BOLTS | 5 | TREAD PLATE |
| M8 HEX NUTS | 5 | TREAD PLATE |
| M8 WASHERS | 10 | TREAD PLATE |
| M10 x 1.5 x 80mm BOLTS | 2 | CHASSIS CLAMP |
| M10 WASHERS | 8 | CHASSIS CLAMP |
| M10 x 1.5 HEX NUTS | 2 | CHASSIS CLAMP |
| LC80 NUTPLATES | 2 | CHASSIS MOUNT (SIDE) |
| M10 x 1.5 x 35mm BOLTS | 4 | CHASSIS MOUNT (SIDE) |
| M12 x 1.25 x 50mm BOLTS | 4 | CHASSIS MOUNT (UNDERSIDE) |
| M12 WASHERS | 4 | CHASSIS MOUNT (UNDERSIDE) |

# 1. PREPARING FOR INSTALL

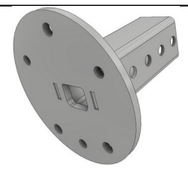
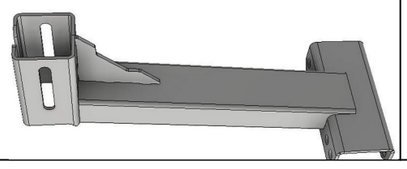
## BAR BASE - DETAILED IN ASSEMBLY VIEW (PAGE 3)

| 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 |  | |

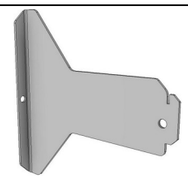
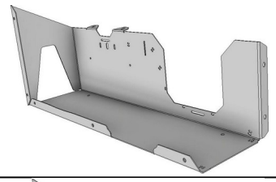
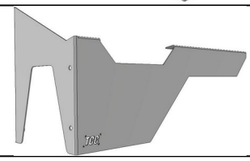
## TYRE CARRIER

| 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 | |

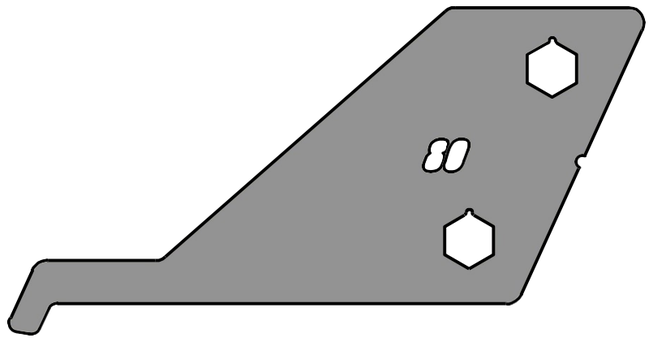
# 2. PREPARE CHASSIS

**2.1** Remove factory rear bumper (YouTube can be handy here if needed).

**2.2** With factory bumper fully removed, drill out holes circled in **FIGURE 3.A to 14mm.** Alternativey, a chisel can be used to knock out the factory captive nuts in these positions. Repeat both passenger side and drivers side.

**2.3** Apply paint over any exposed metal to prevent rust.

**2.4** Insert nutplates into the chassis rail, lining up nuts to holes indicated in **FIGURE 3.B.** Ensure that the flat surface of the nutpate sits againt the chassis wall.



**LC80 NUTPLATE**



**FIGURE 3.A**

**(NOTE: 100 SERIES SHOWN FOR REFERENCE ONLY)**



**FIGURE 3.B**

**(NOTE: 100 SERIES SHOWN FOR REFERENCE ONLY)**

# 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.

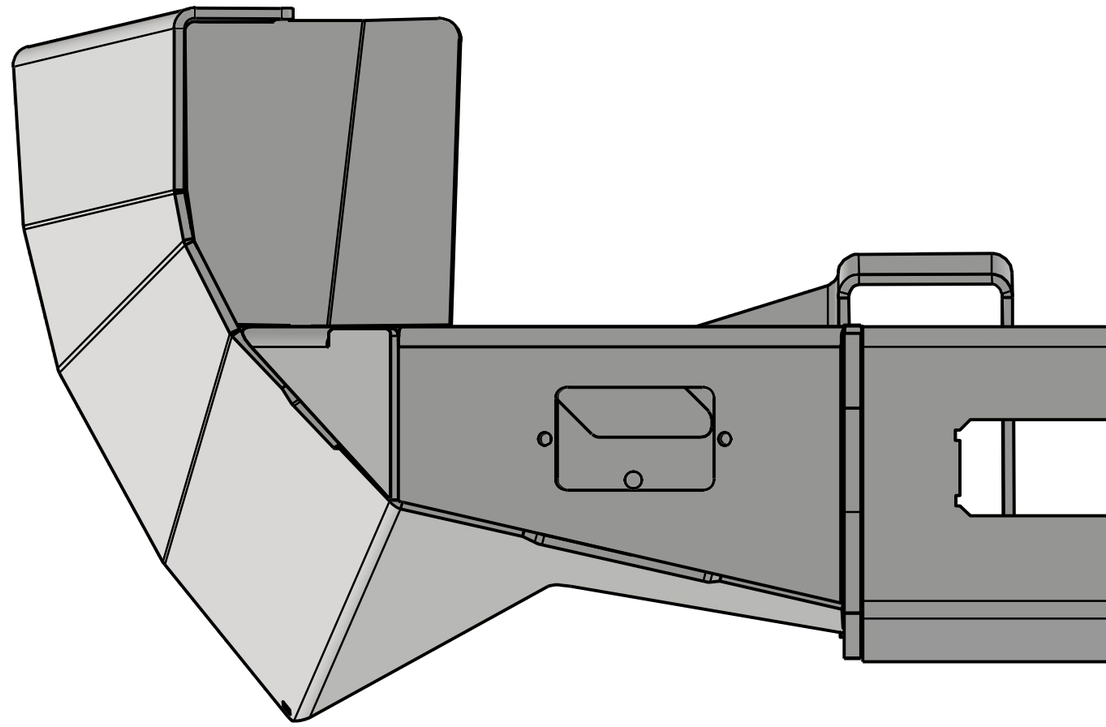
- Keep external joins and moving components properly protected with a lubricant such as Lanolin.

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

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

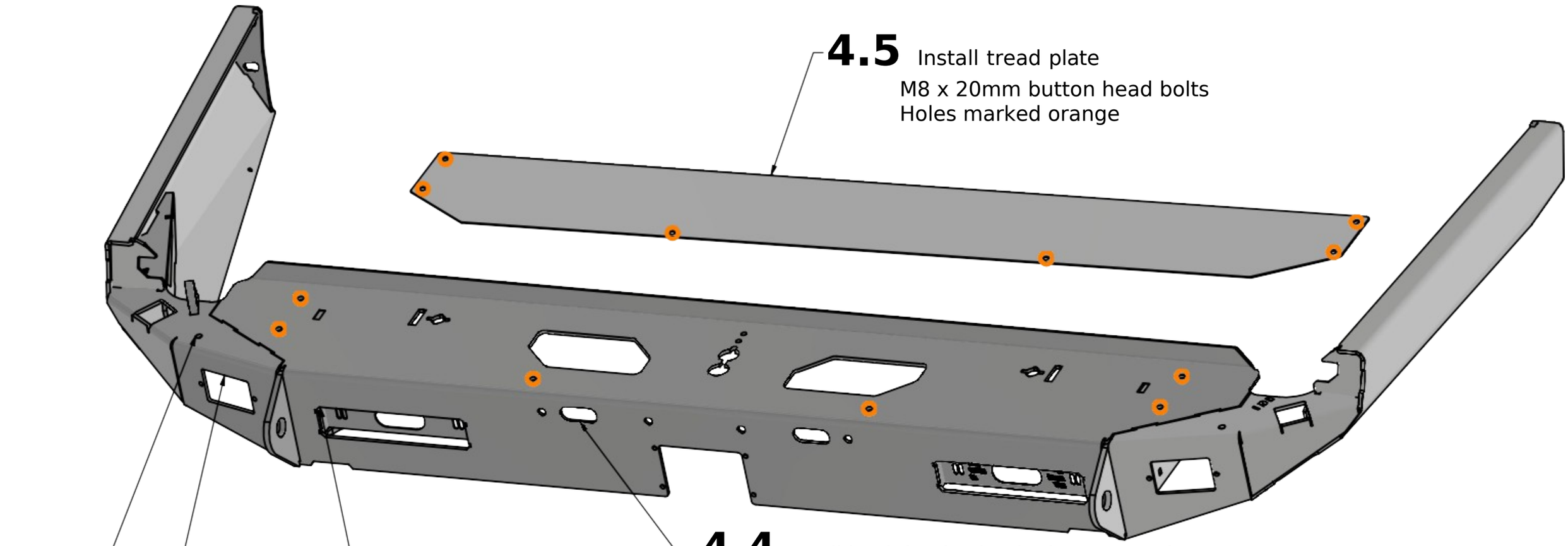
- Do not wash the product with any harsh chemicals.

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



# 4. REAR BAR INSTALL

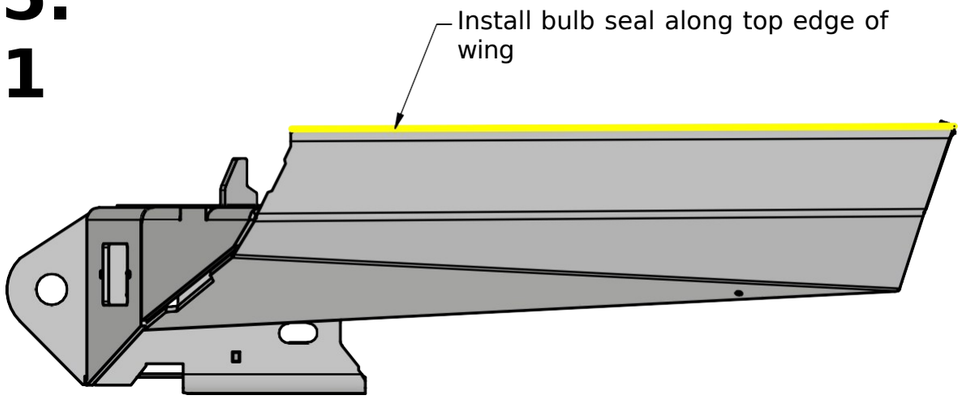
## FITTING THE ACCESSORIES



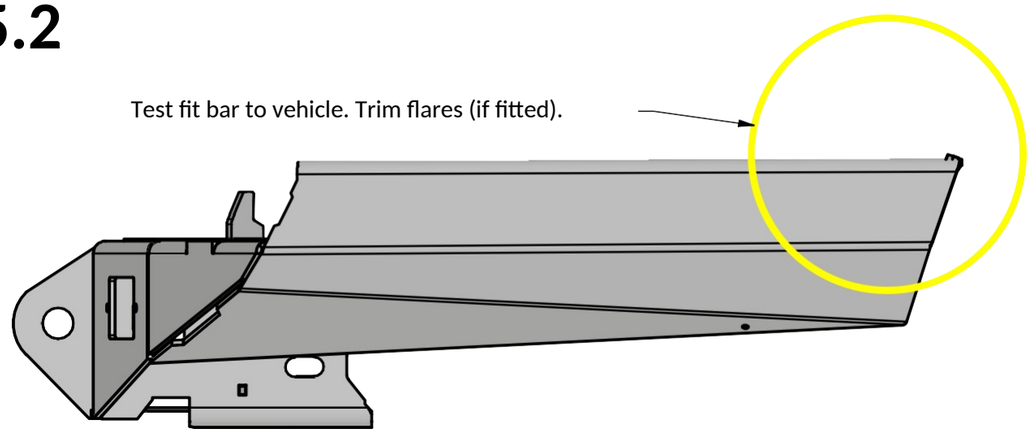
# 5. REAR BAR INSTALL

## PREPARING FOR FITMENT TO THE VEHICLE

**5.1**

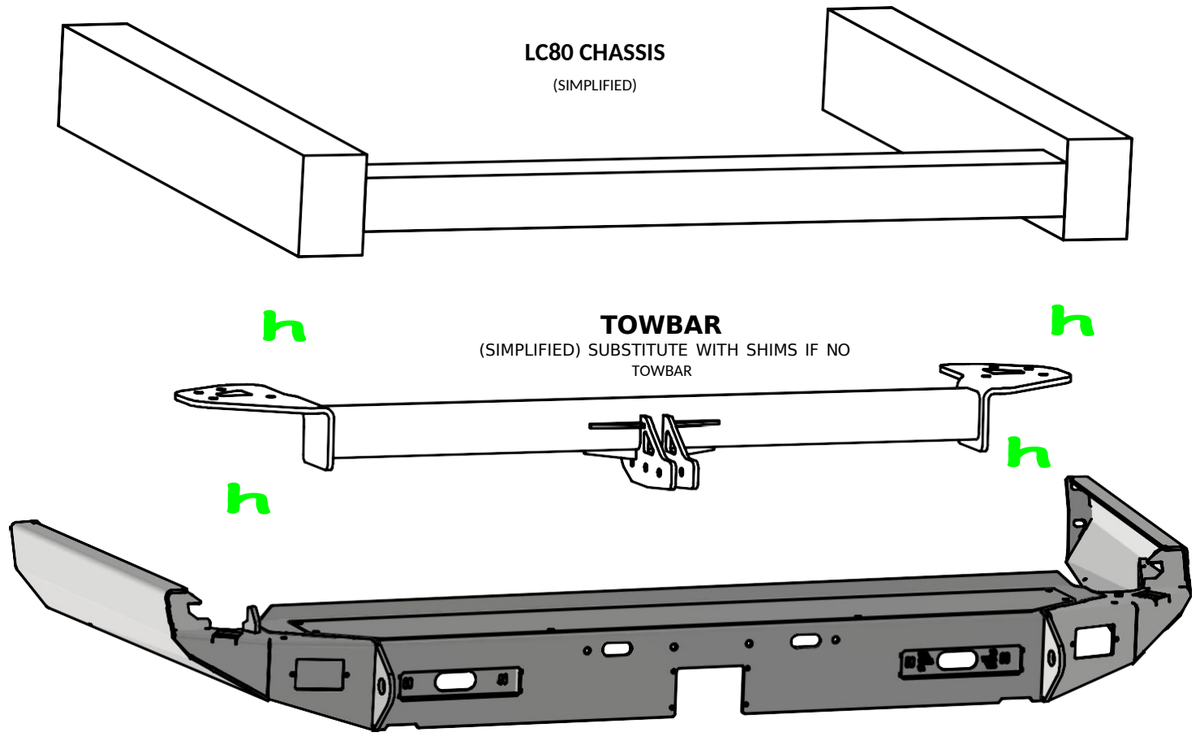



**5.2**




**5.3** Fit TCC rear back to vehicle

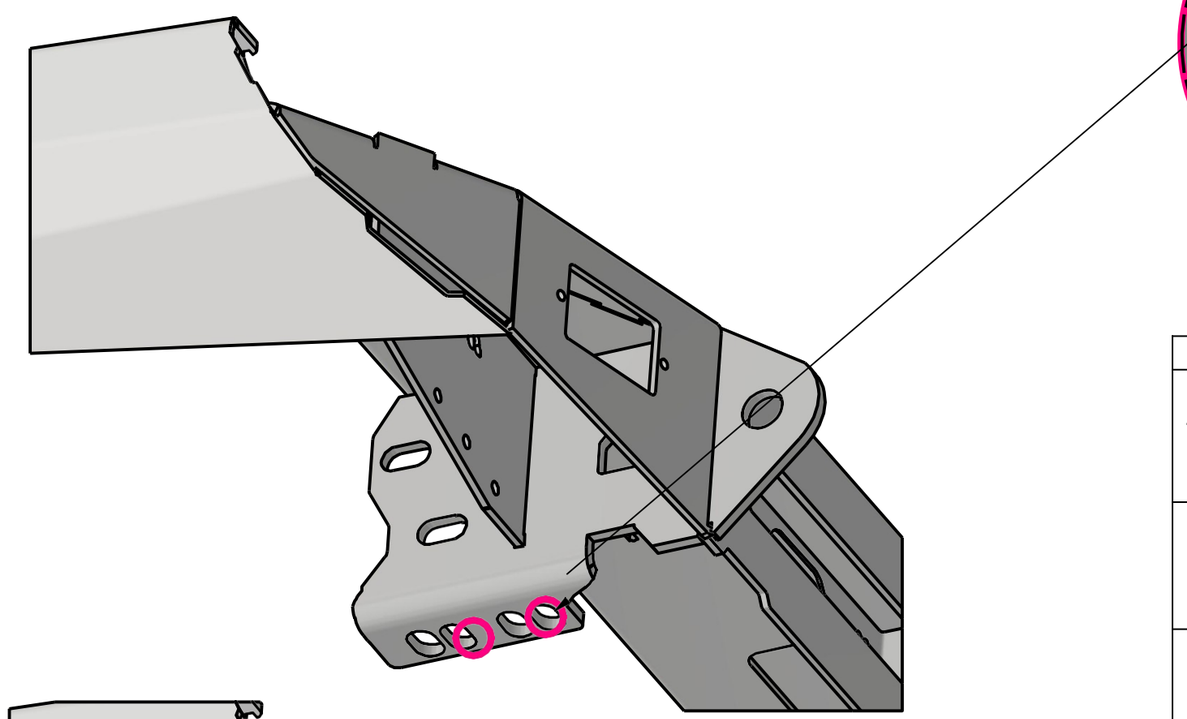
**NOTE!** Your TCC rear bar is designed to mount over the top of the towbar mounts. If you do not have a towbar fitted please use shims provided to fill gap between chassis and TCC rear bar.

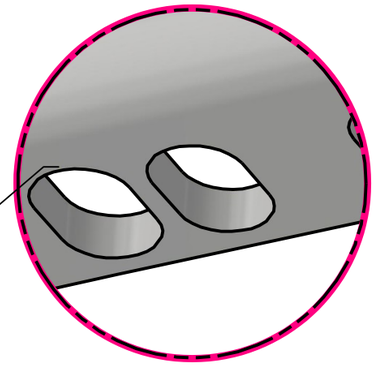


# 6. REAR BAR INSTALL

## FITTING TO THE VEHICLE

**6.1**

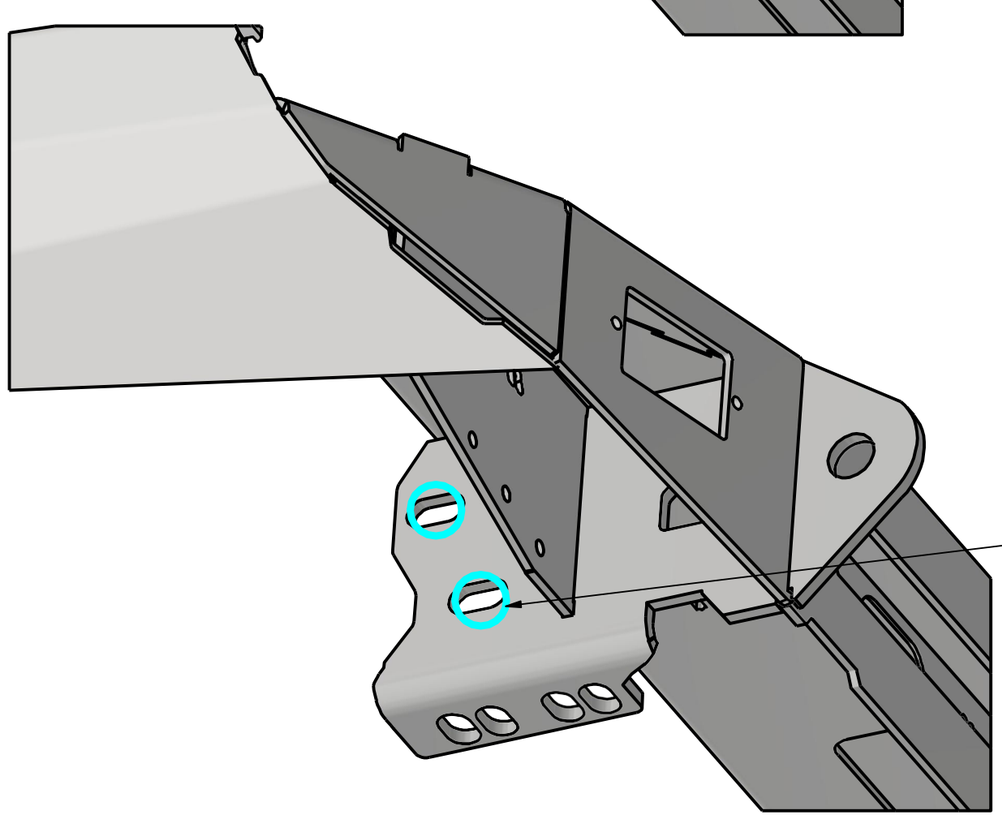




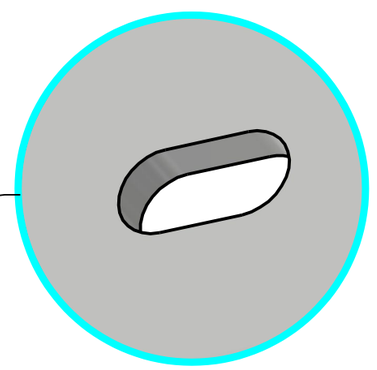
**M12 x 50mm**
**BOLTS INTO**
**CAPTIVE NUTS**
**M12 WASHERS**

| MOUNTING BOLT TORQUE SPEC | | |
|---|---|---|
| TORQUE SETTING (NM) | BOLT TYPE | LOCATION |
| 30 | M10 x 35mm | INTO NUTPLATE (SIDE) |
| 50 | M12 x 50mm | INTO CAPTIVE NUTS (UNDERSIDE) |

**6.2**



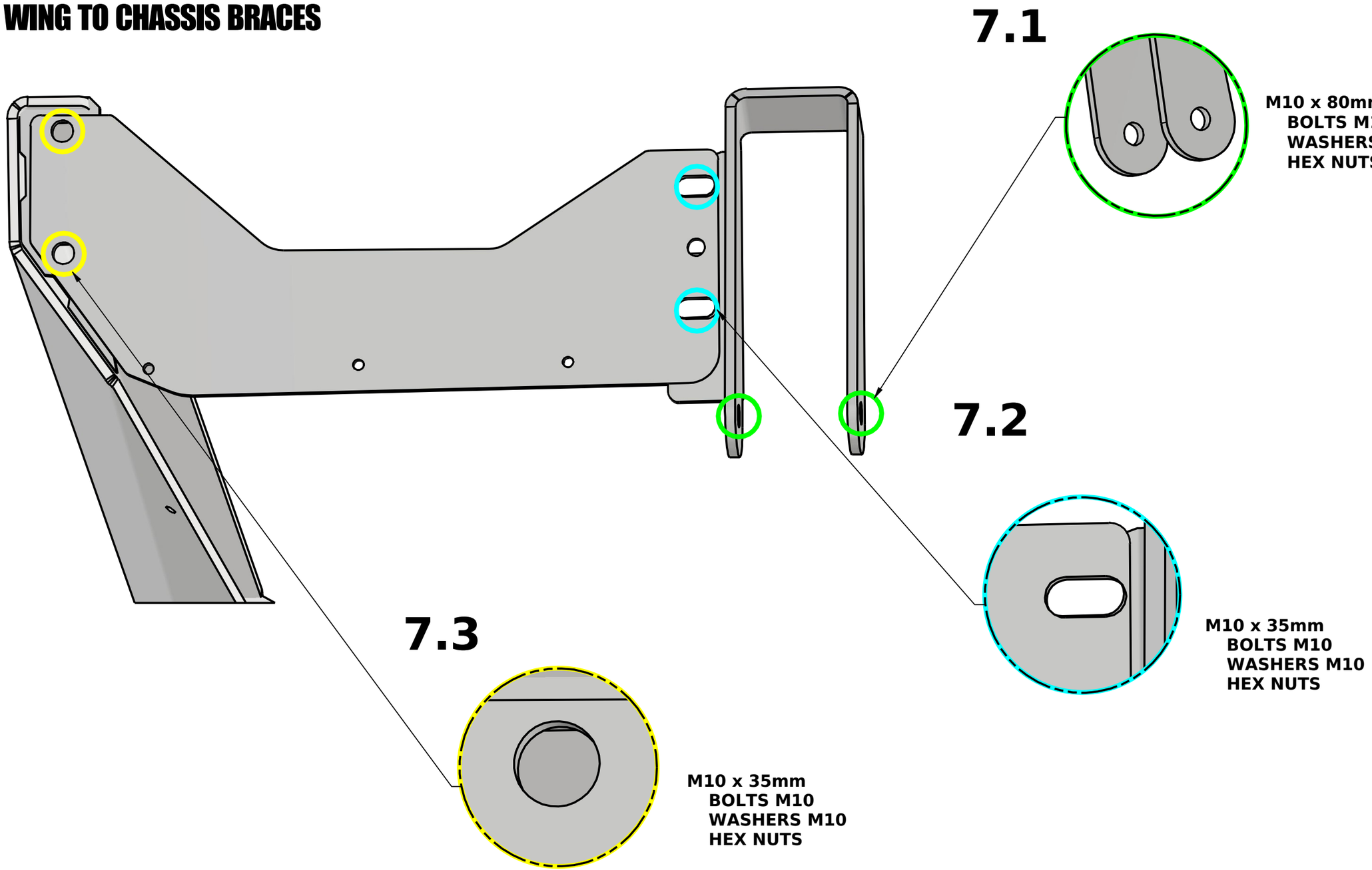
**** TIP ** Leave bolts loose until all bolts installed. Ensure bar is paralell to body lines on vehicle before tightening.**



**M10 x 35mm**
**BOLTS INTO**
**NUTPLATES M10**
**WASHERS**

# 7. REAR BAR INSTALL

## WING TO CHASSIS BRACES




**IMPORTANT!** ENSURE BOLTS ARE ORIENTATED SO THAT THEY DO NOT CONTACT THE TYRE WHEN VEHICLE IS FLEXED**TIP:** INSTALL CHASSIS

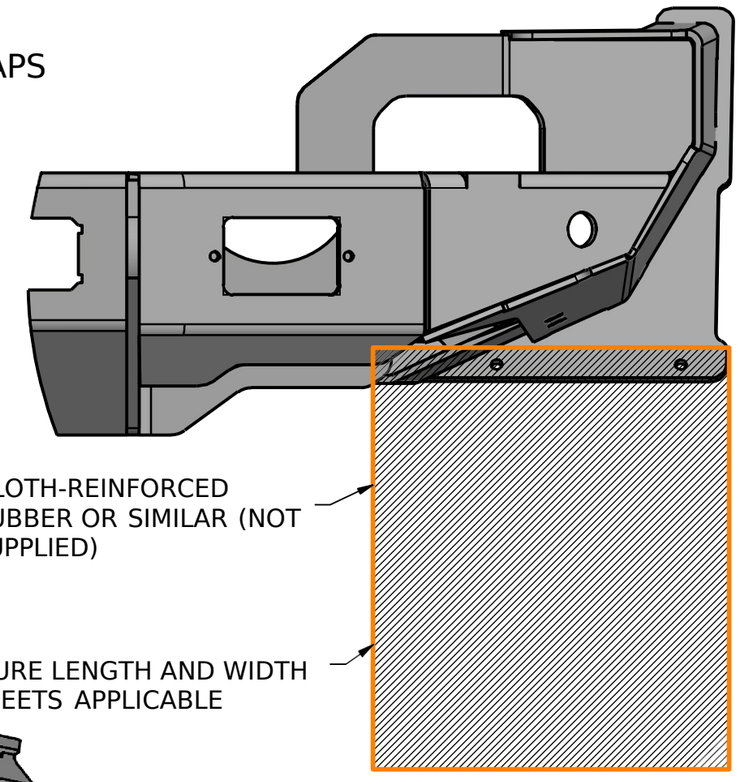
CLAMP (LEAVE BOLTS LOOSE) AND THEN INSTALL WING TO CHASSIS PLATE.

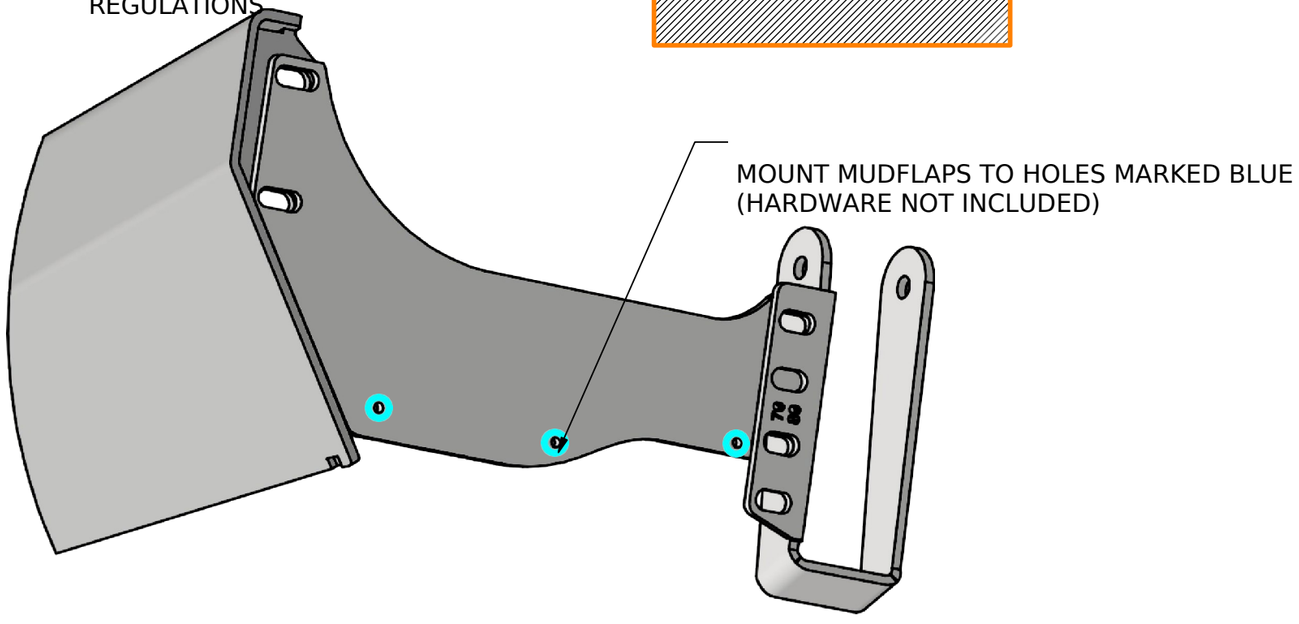
# 8. REAR BAR INSTALL

## FINAL STEPS

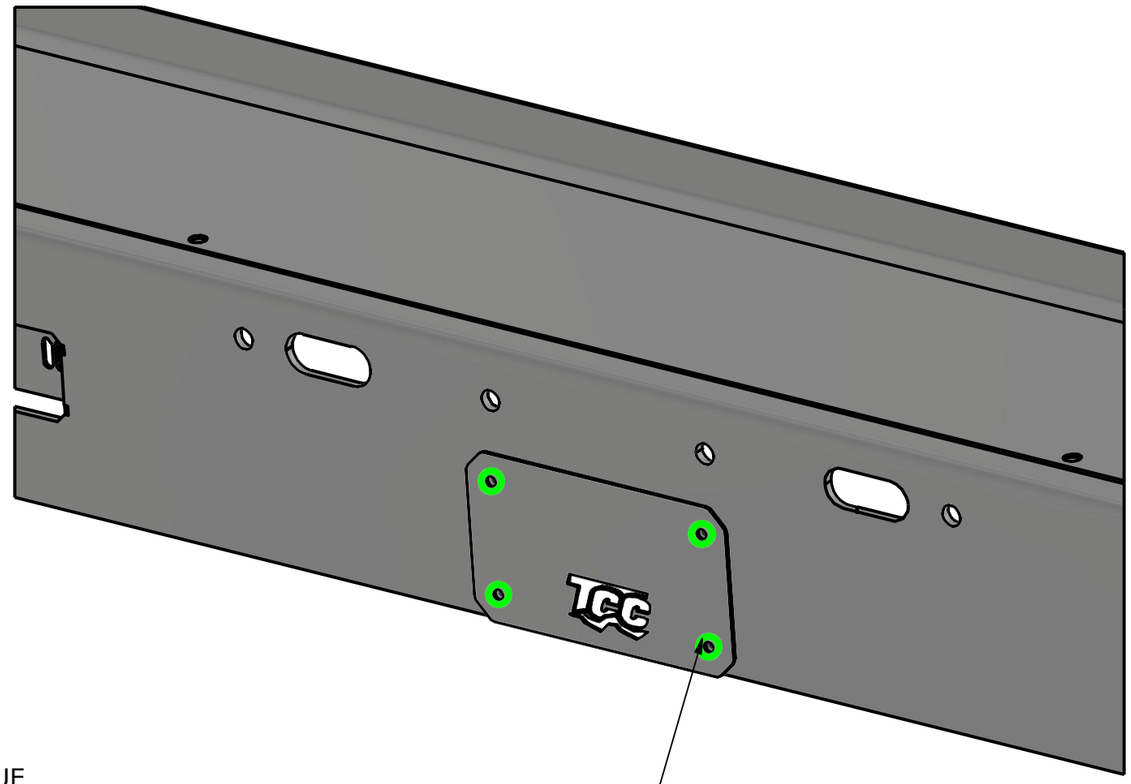
**8.1.** Wiring for the lights can be tapped into the trailer plug. If unsure how to wire lights please seek an automotive professional.

**8.2.** MUDFLAPS



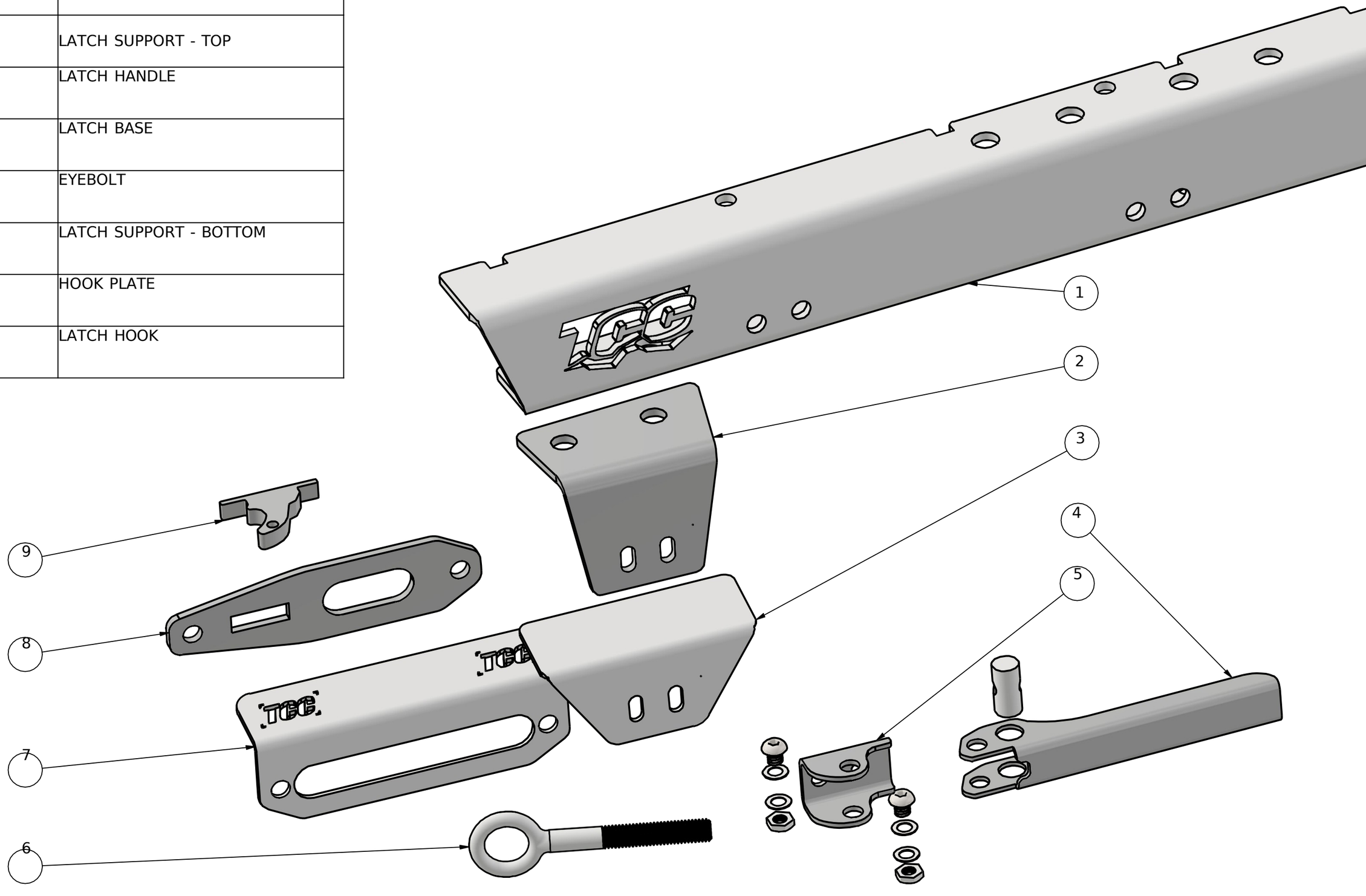

**8.3.** TOW HITCH COVER



# TCC LATCH ASSEMBLY

## ASSEMBLY INSTRUCTIONS

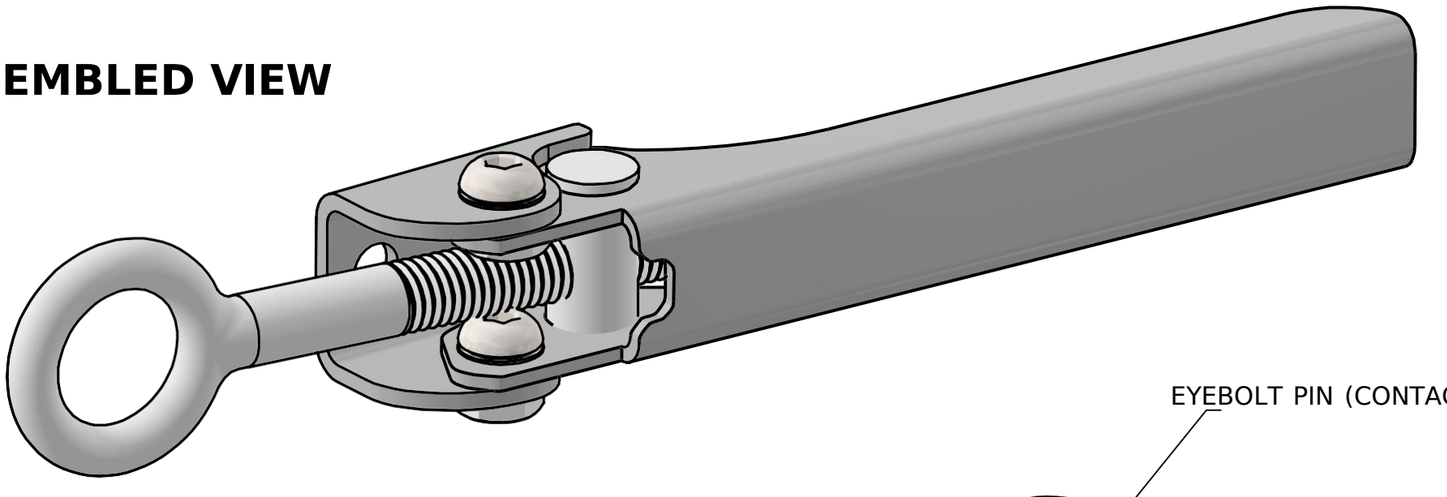
| TABLE | | |
|---|---|---|
| ITEM | QTY | ITEM NAME |
| 1 | 1 | TCC CARRIER ARM |
| 2 | 1 | LATCH DROP DOWN |
| 3 | 1 | LATCH SUPPORT - TOP |
| 4 | 1 | LATCH HANDLE |
| 5 | 1 | LATCH BASE |
| 6 | 1 | EYEBOLT |
| 7 | 1 | LATCH SUPPORT - BOTTOM |
| 8 | 1 | HOOK PLATE |
| 9 | 1 | LATCH HOOK |



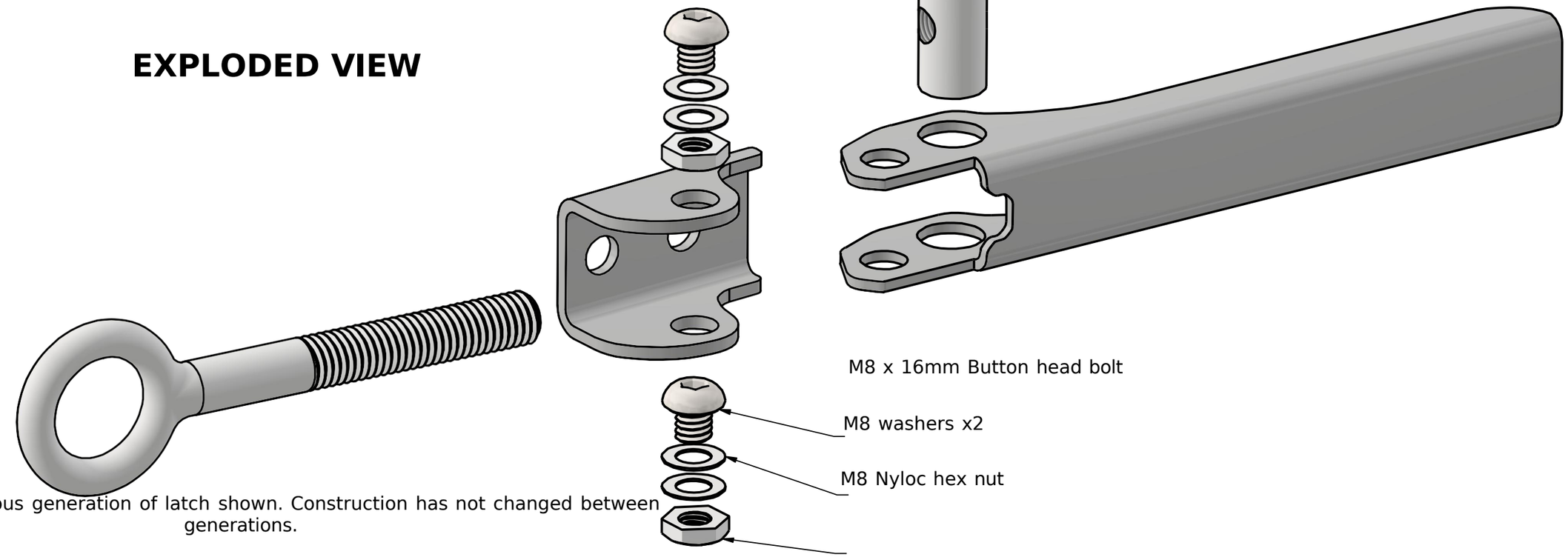
# 1. LATCH ASSEMBLY

**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**



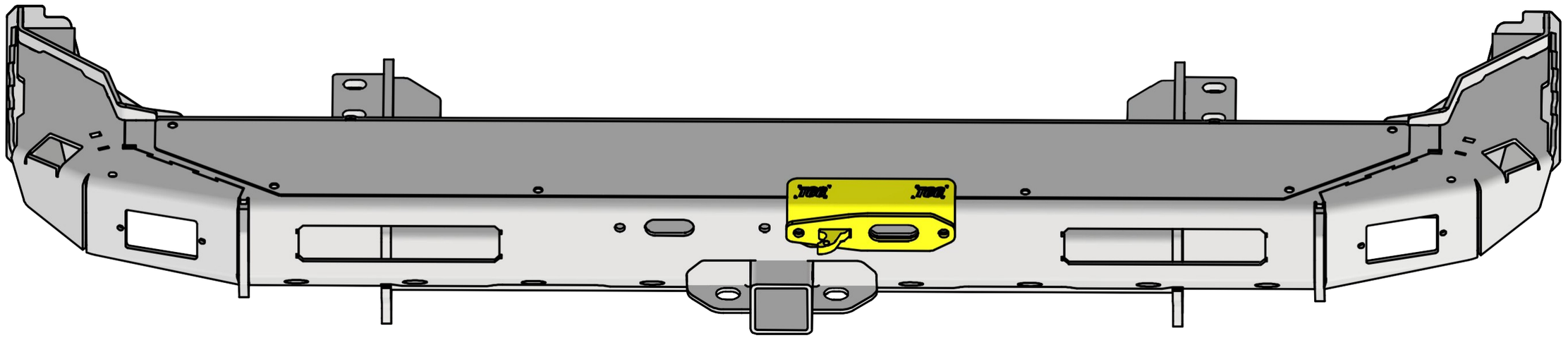
**EXPLODED VIEW**



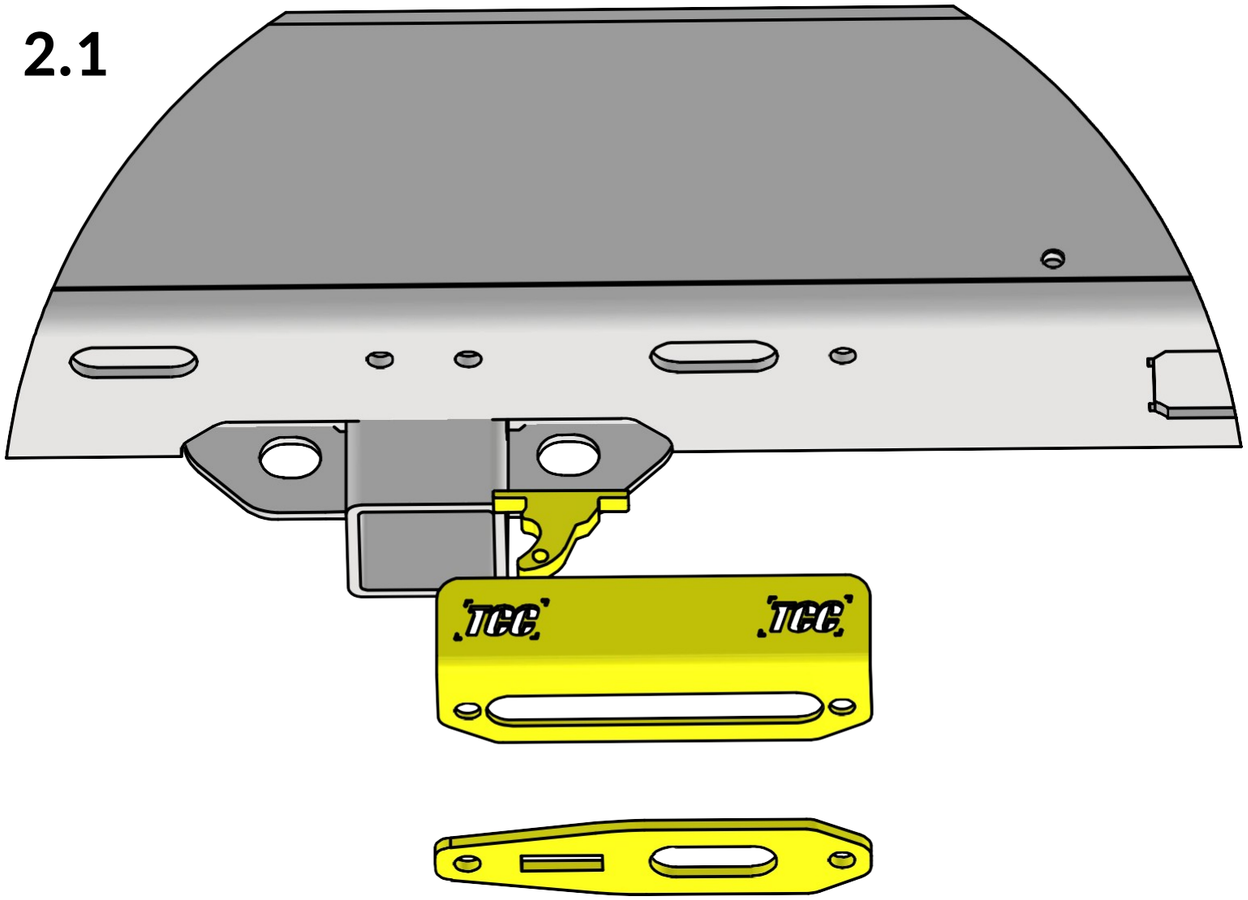

please note: previous generation of latch shown. Construction has not changed between generations.

# 2. JOINING LATCH TO REAR BAR

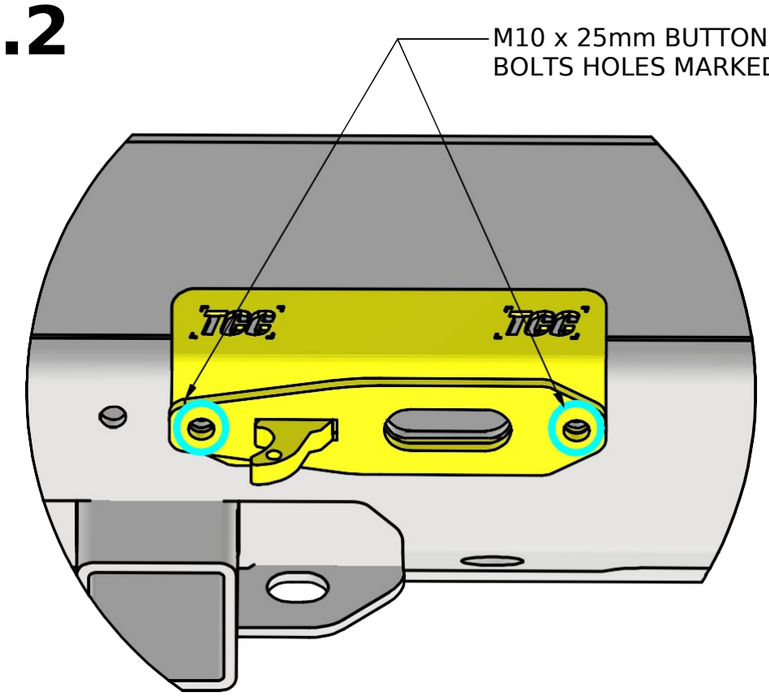
## BAR BASE



2.1



2.2




NOTE ORIENTATION OF ALL PARTS SHOWN

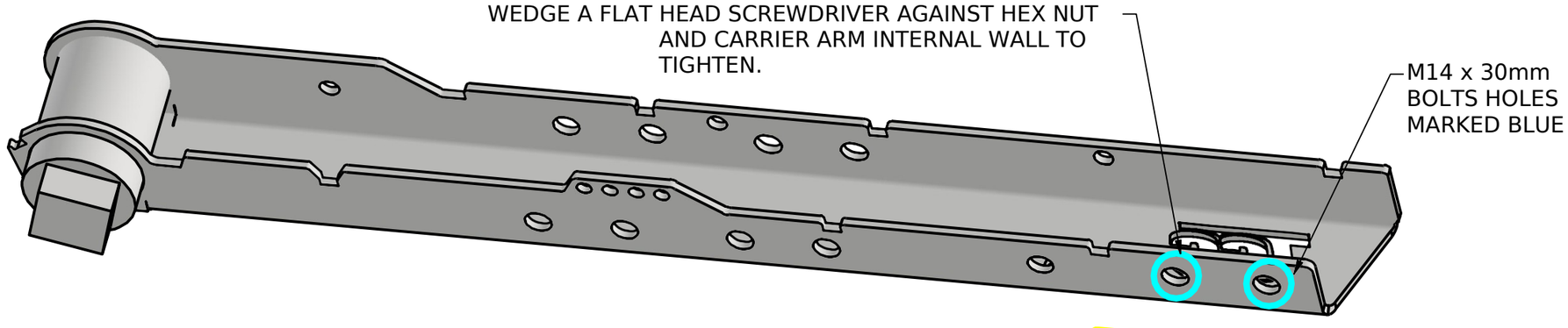
# 3. JOINING LATCH TO REAR BAR

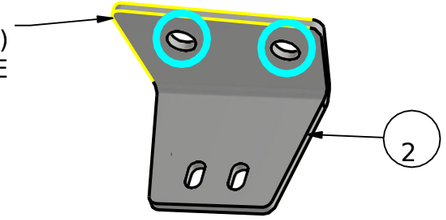
## CARRIER ARM

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

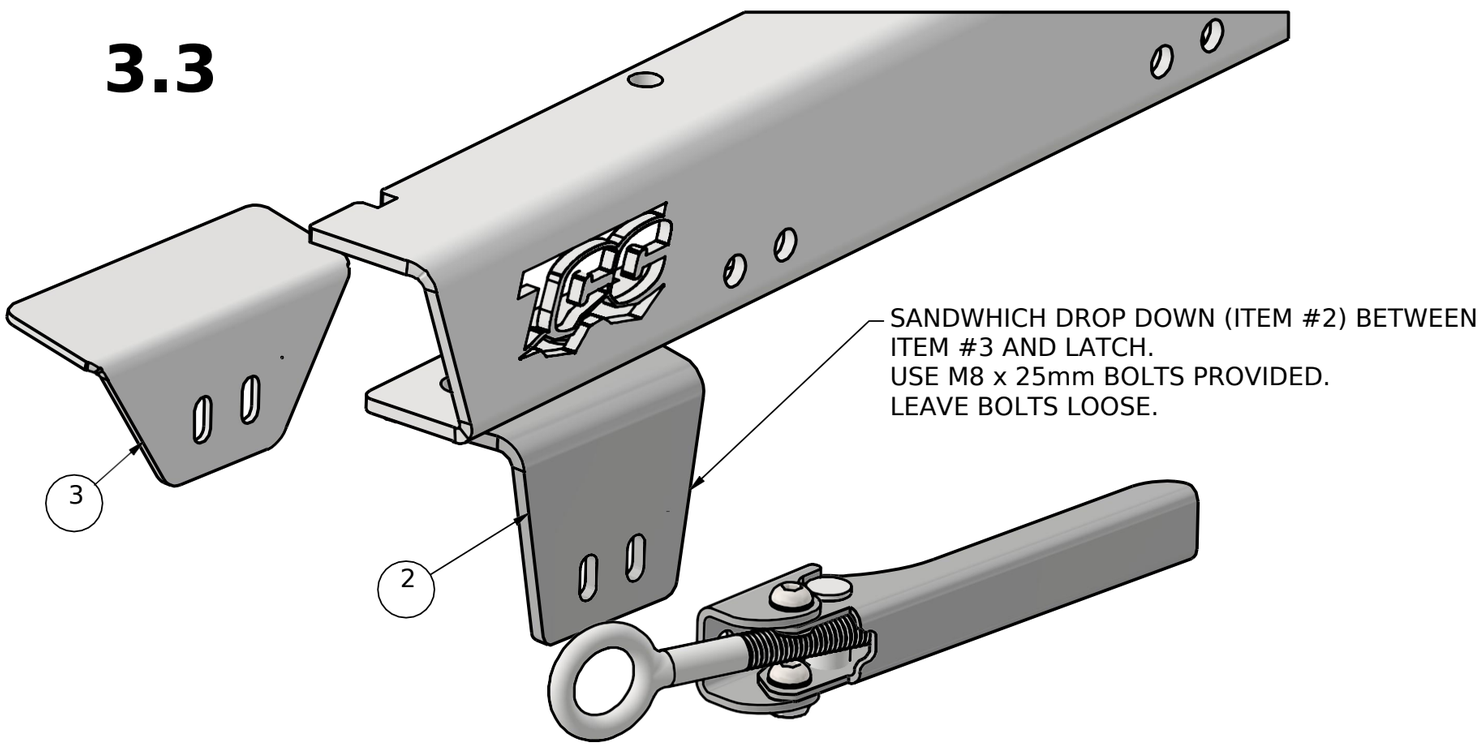
**3.2**

**REAR VIEW OF PASSENGER SIDE ARM**



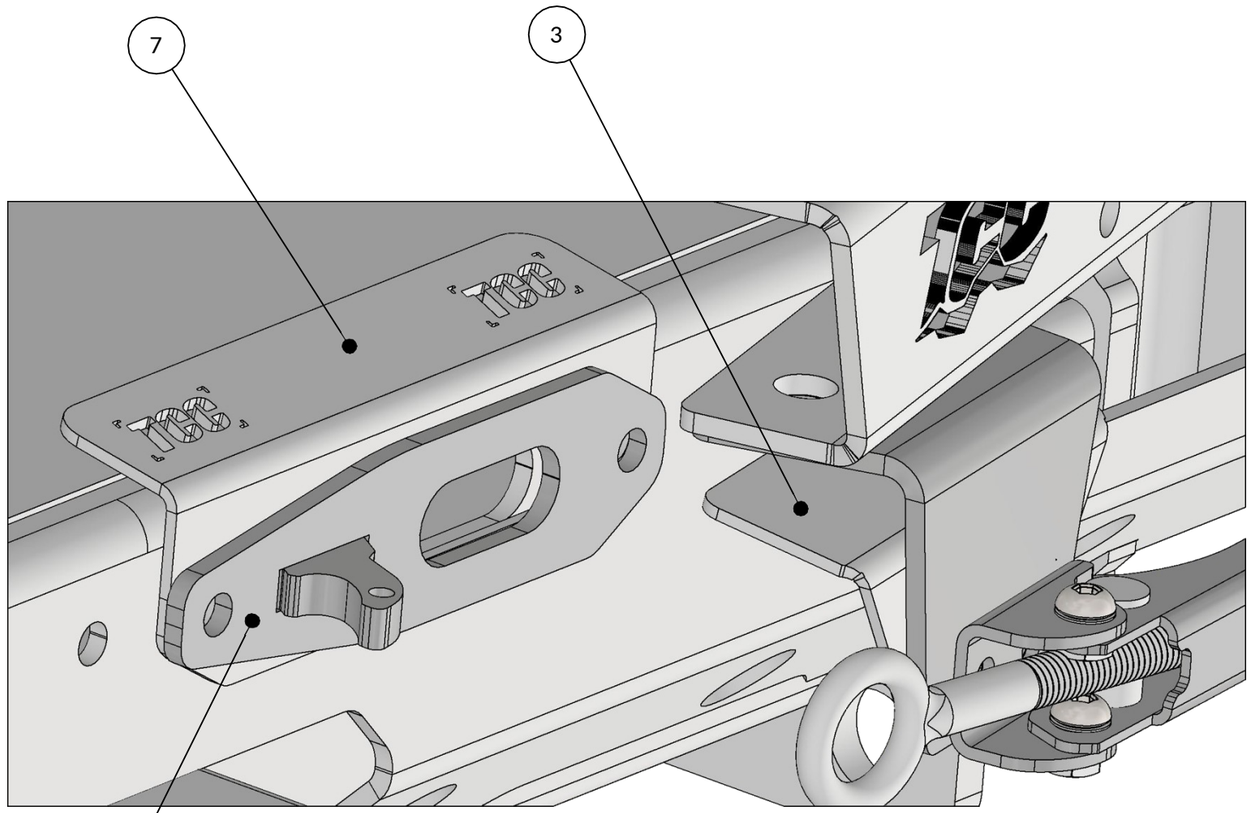

**3.3**



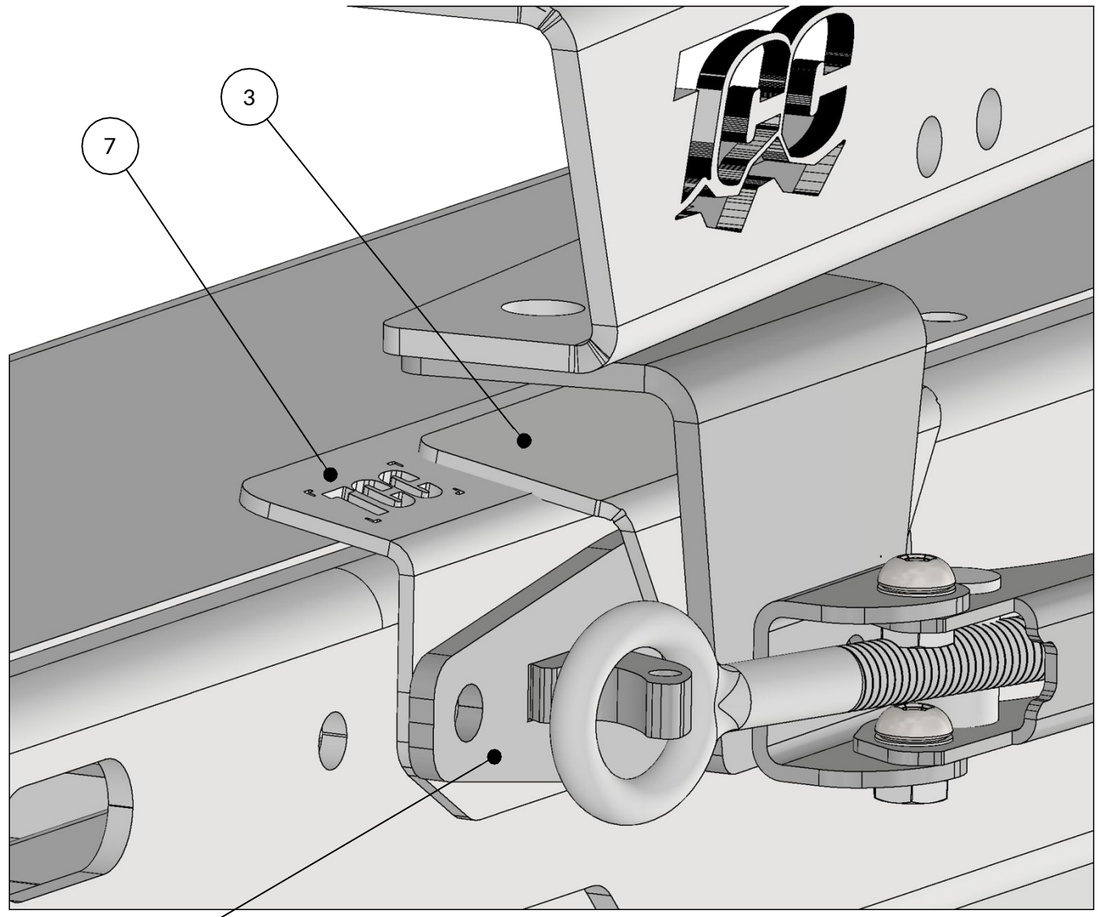
# 3. JOINING LATCH TO REAR BAR

## 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**.



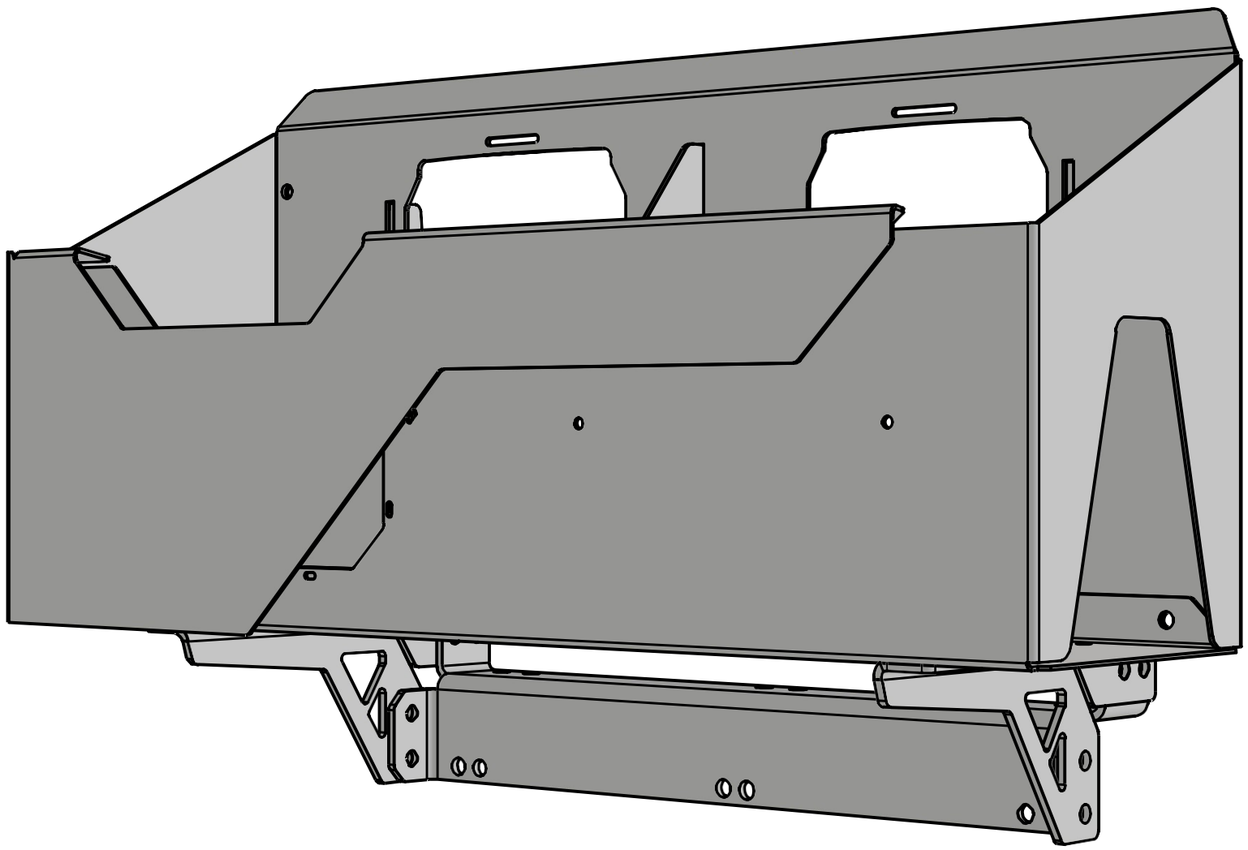

**CARRIER ARM OPEN**

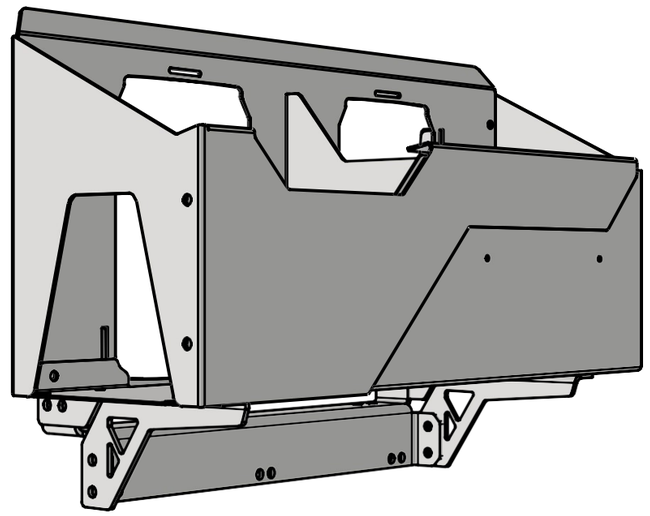



**CARRIER ARM CLOSED**

# TCC JERRY/GAS HOLDER

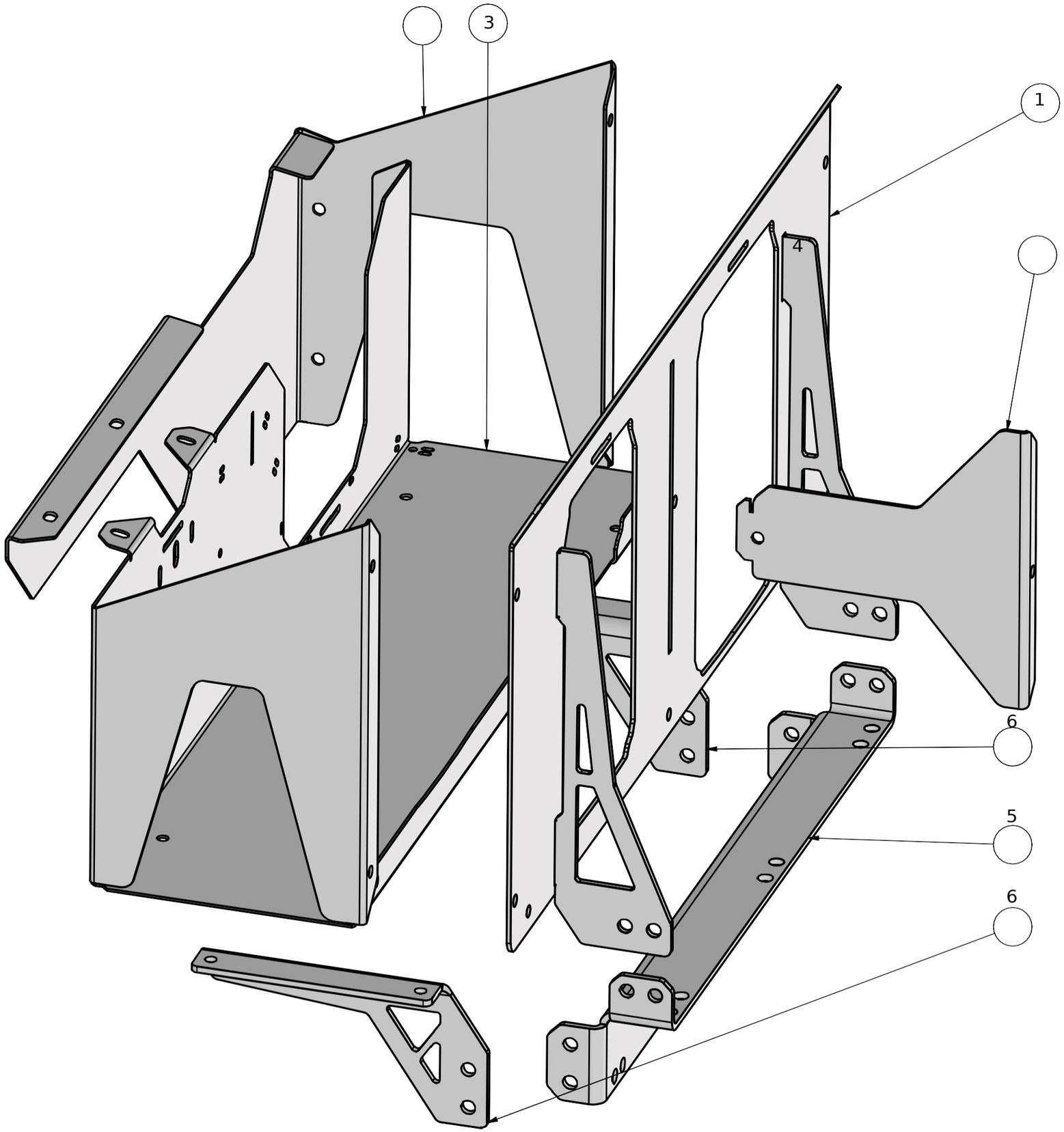
## ASSEMBLY INSTRUCTIONS





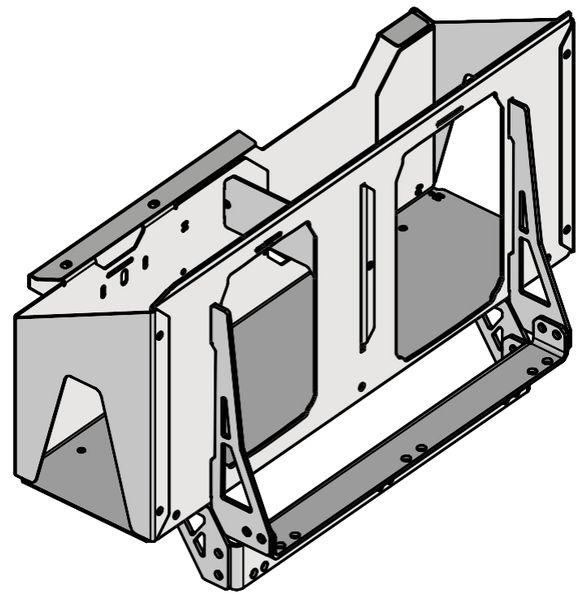
AUSTRALIAN MADE

2



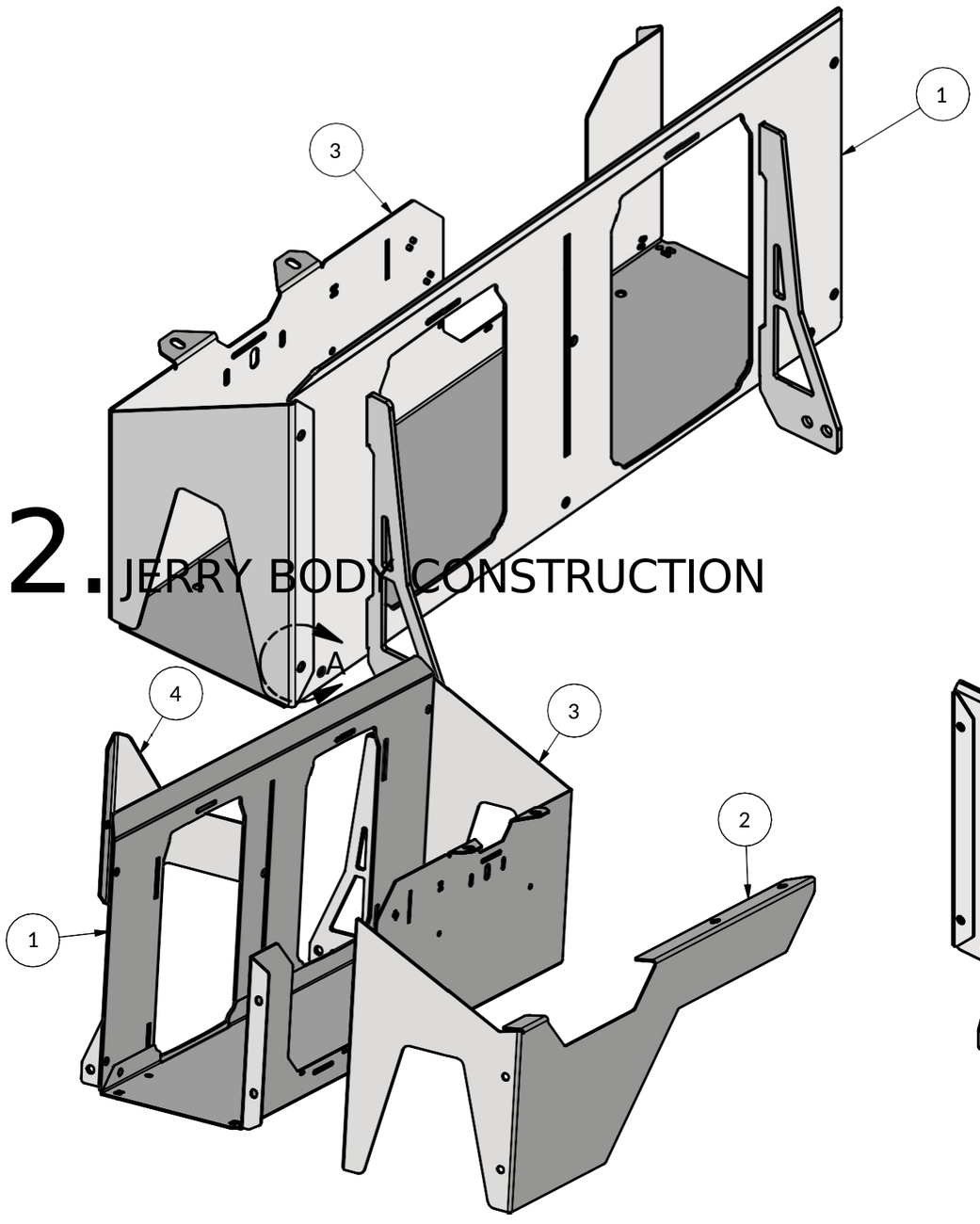

| PARTS LIST | | |
|---|---|---|
| ITEM | QTY | DESCRIPTION |
| 1 | 1 | JERRY BACKING |
| 2 | 1 | JERRY FRONT COVER |
| 3 | 1 | JERRY INTERNAL |
| 4 | 1 | JERRY DIVIDER |
| 5 | 1 | UNIVERSAL SHELF BASE |
| 6 | 2 | JERRY LOWER GUSSET |

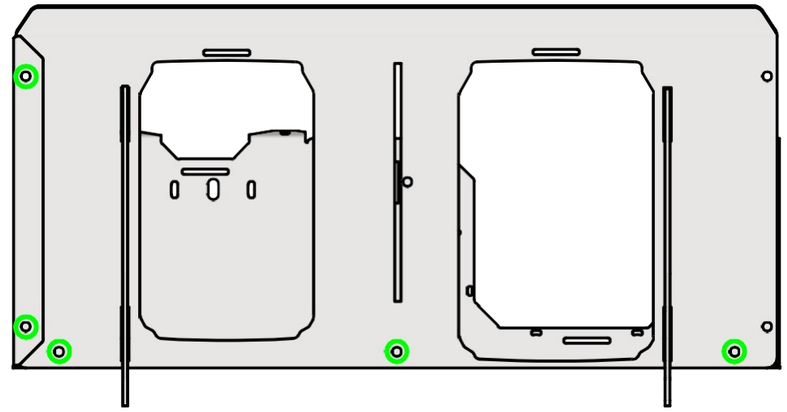
| HARDWARE KIT (INCLUDED) | |
|---|---|
| QTY | DESCRIPTION |
| 8 | M10 X 25mm BUTTON HEAD BOLTS |
| 6 | M10 X 20mm BUTTON HEAD BOLTS |
| 28 | M10 WASHERS |
| 14 | M10 NUTS |
| 16 | M8 x 20mm BUTTON HEAD BOLTS |
| 32 | M8 WASHERS |
| 16 | M8 NUTS |



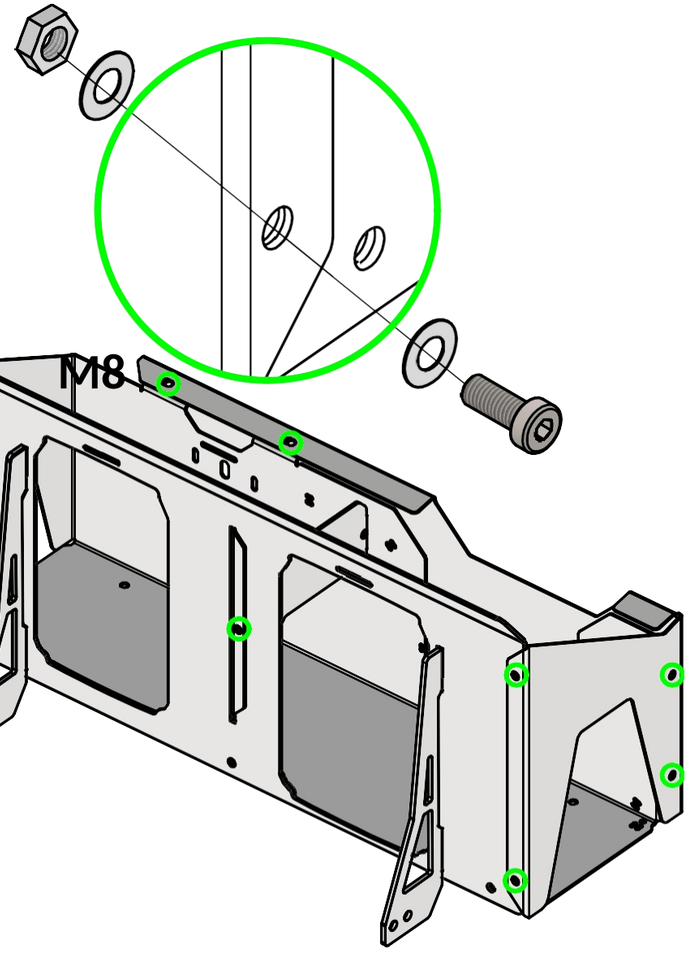
**FULLY ASSEMBLED**

# 1. JERRY BODY CONSTRUCTION

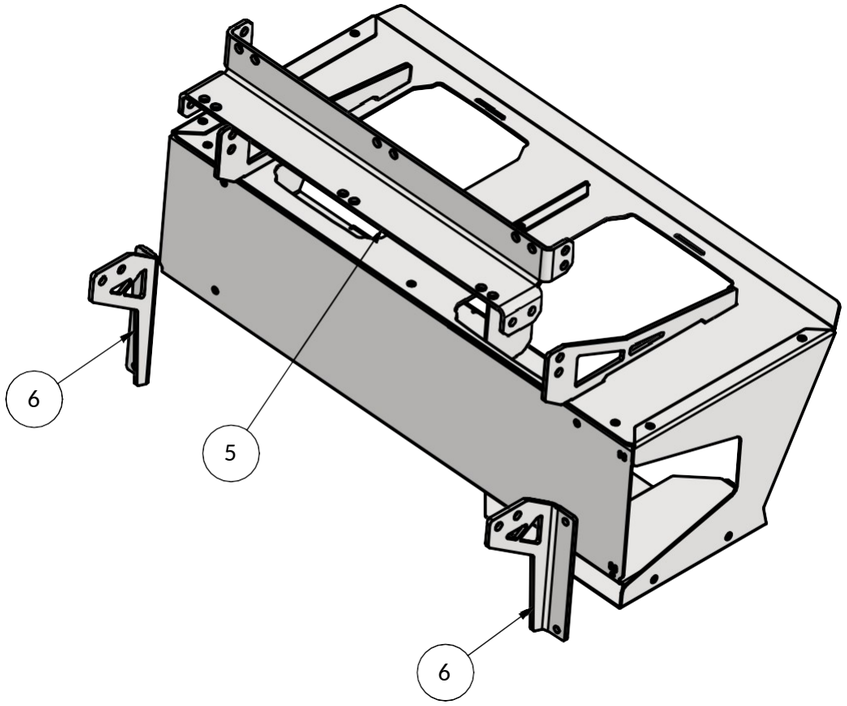


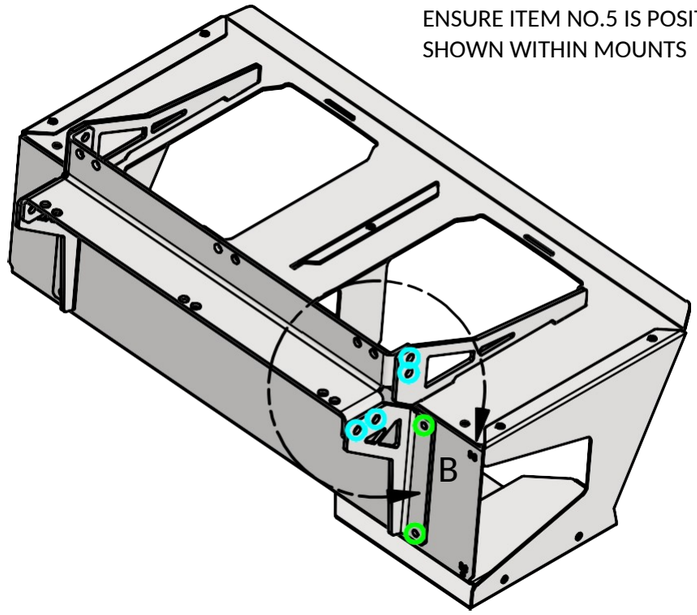



# 2. JERRY BODY CONSTRUCTION

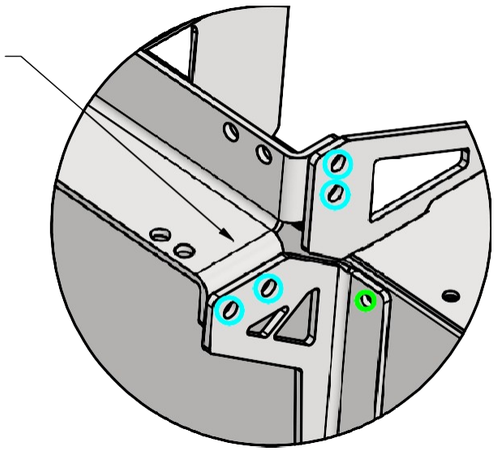


# 3. ATTACH UNIVERSAL MOUNT

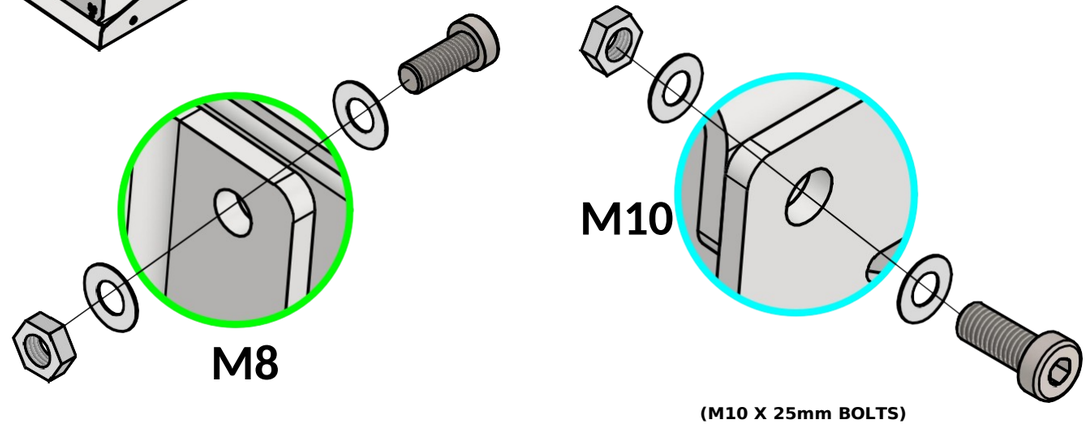



ENSURE ITEM NO.5 IS POSITIONED AS SHOWN WITHIN MOUNTS

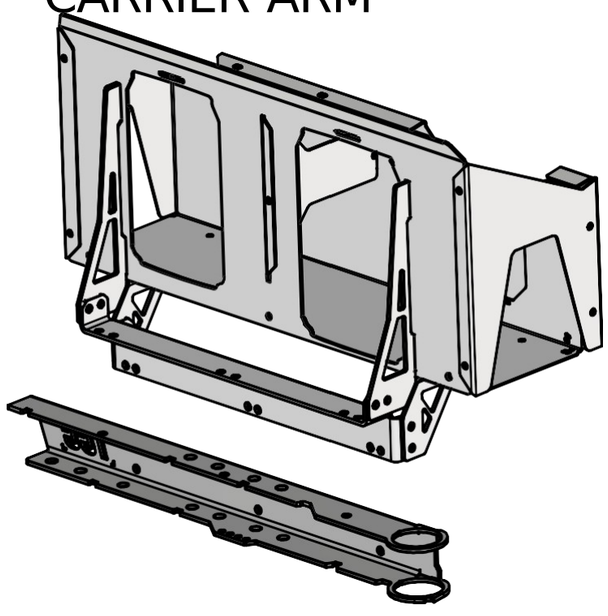


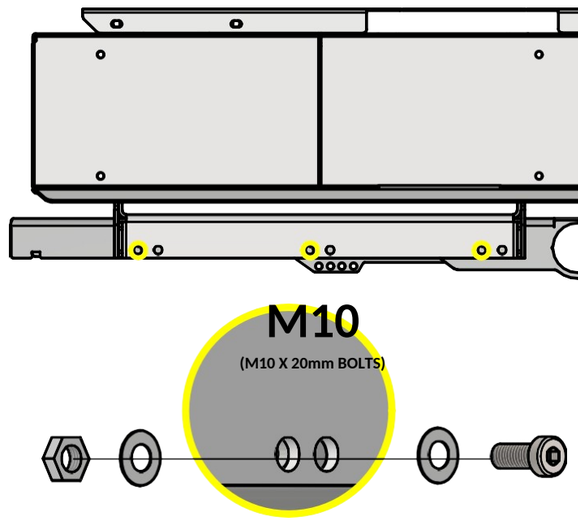
DETAIL B

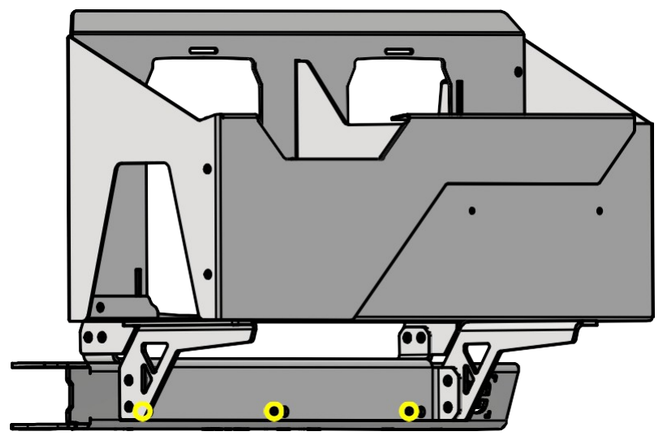



(M10 X 25mm BOLTS)

# 4. ATTACH ASSEMBLY TO CARRIER ARM

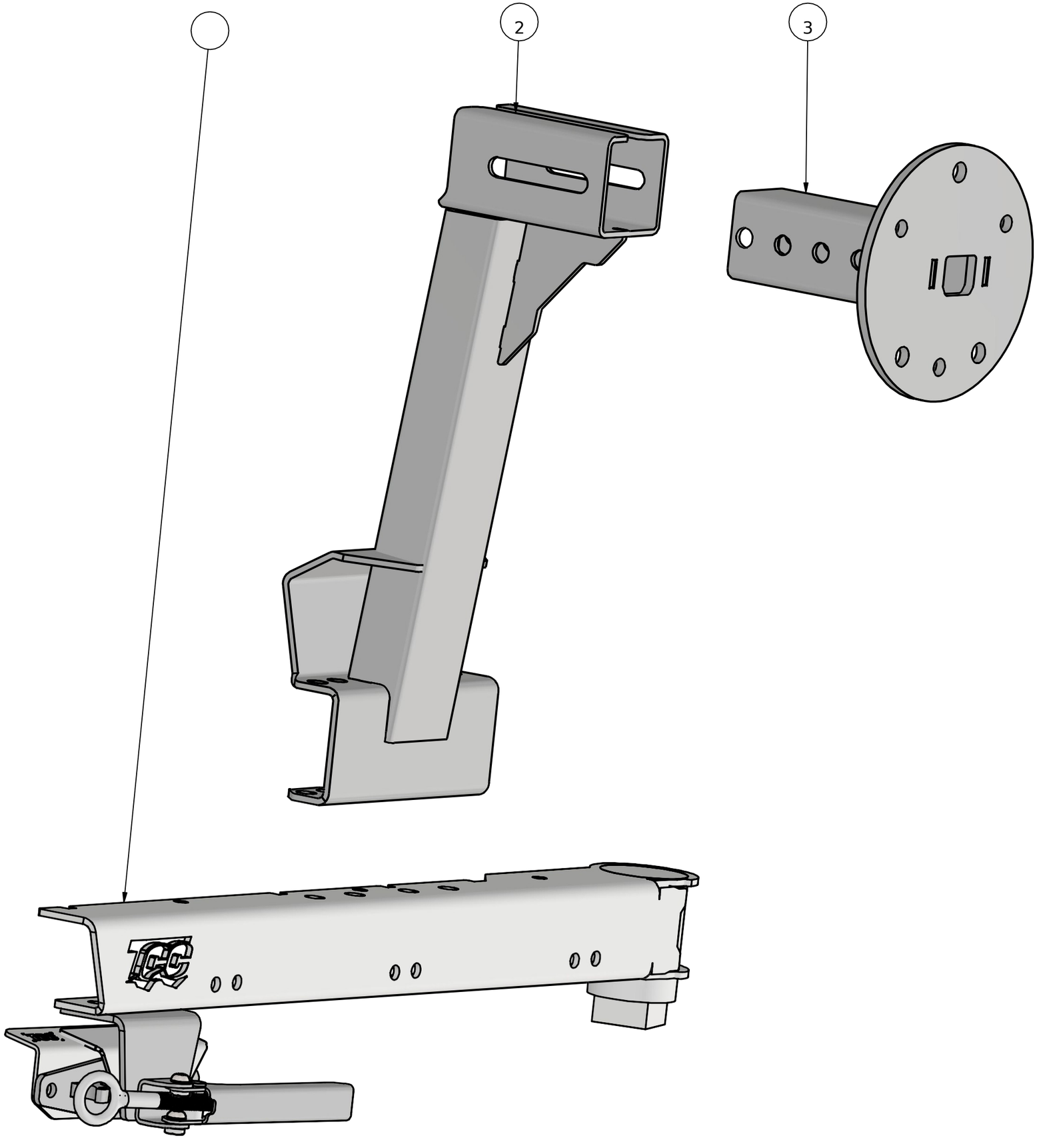




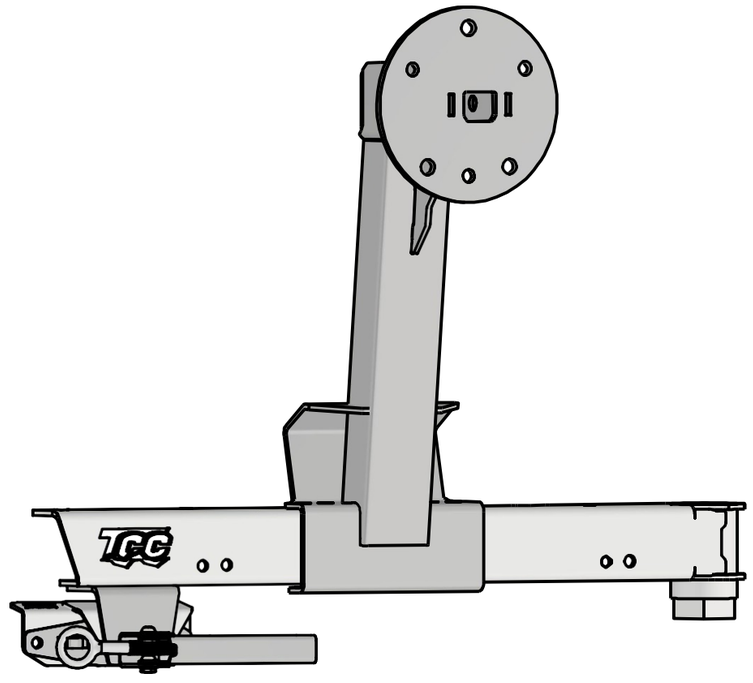



# TCC TYRE UPRIGHT & TYRE HEAD

## ASSEMBLY INSTRUCTIONS



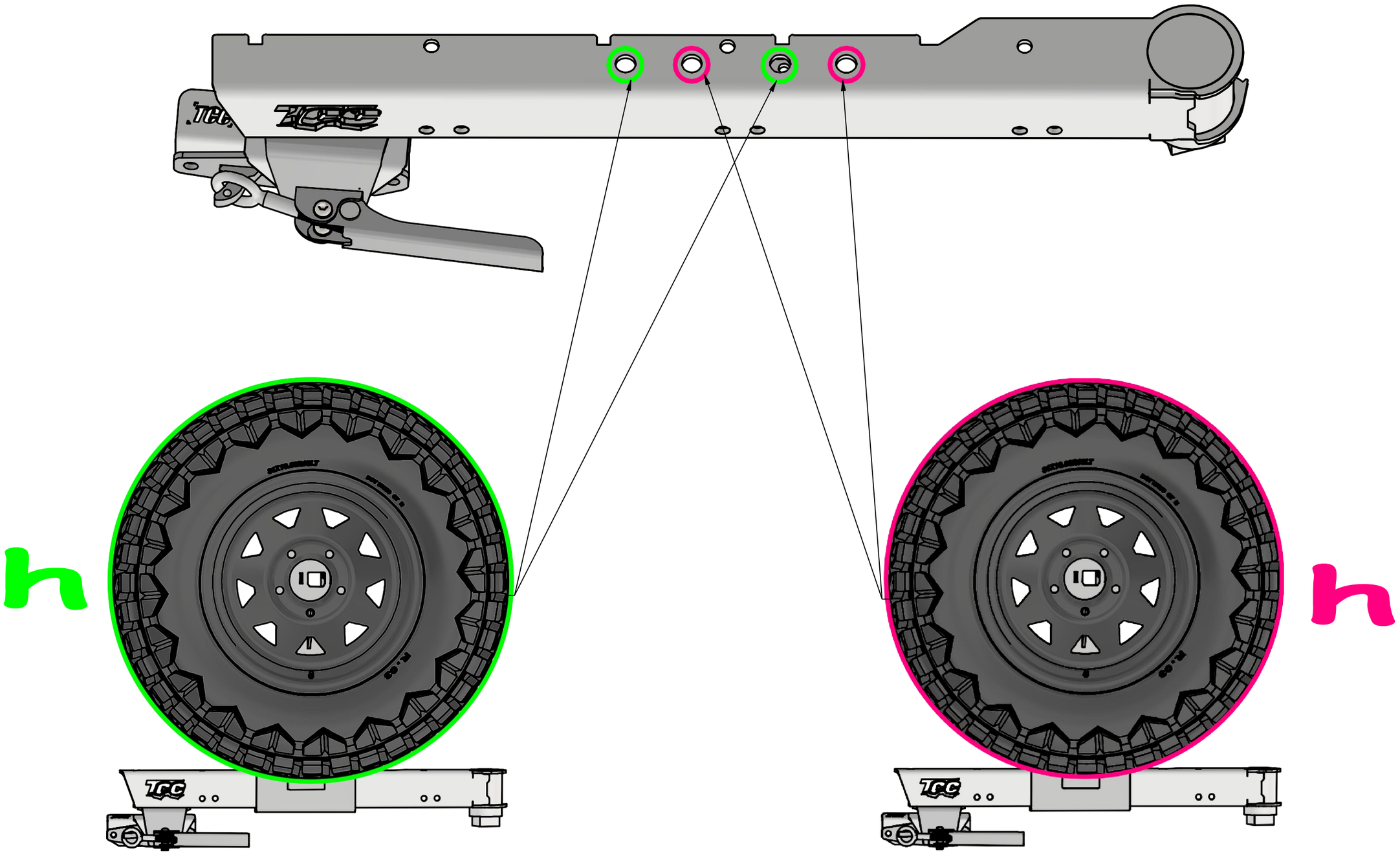

| PARTS LIST | | |
|---|---|---|
| ITEM # | QTY | PART NAME |
| 1 | 1 | TCC CARRIER ARM ASSEMBLY |
| 2 | 1 | TYRE UPRIGHT |
| 3 | 1 | TYRE HEAD |



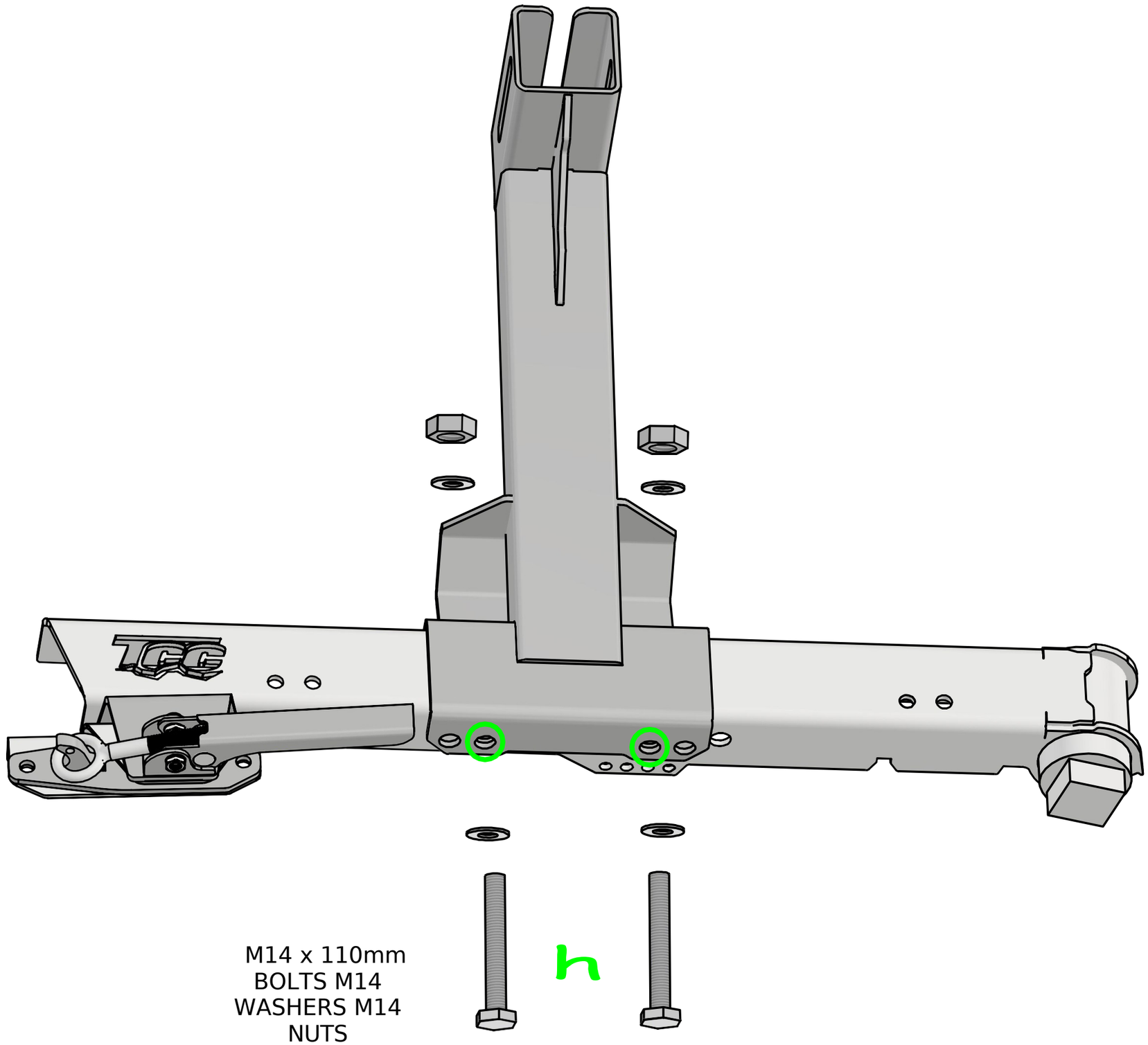
**ASSEMBLED VIEW**

# 1. INSTALL THE TYRE UPRIGHT

TCC Carrier Arm must be assembled prior to installation



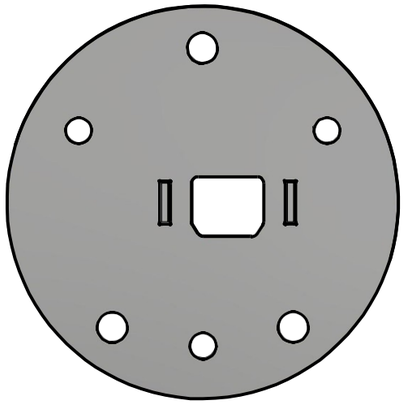
# 2. INSTALL TYRE UPRIGHT

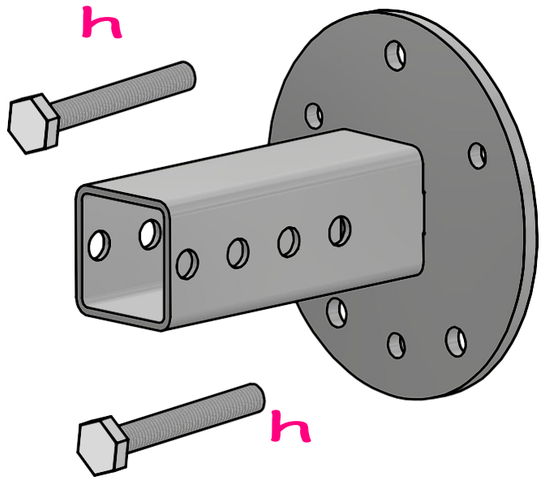


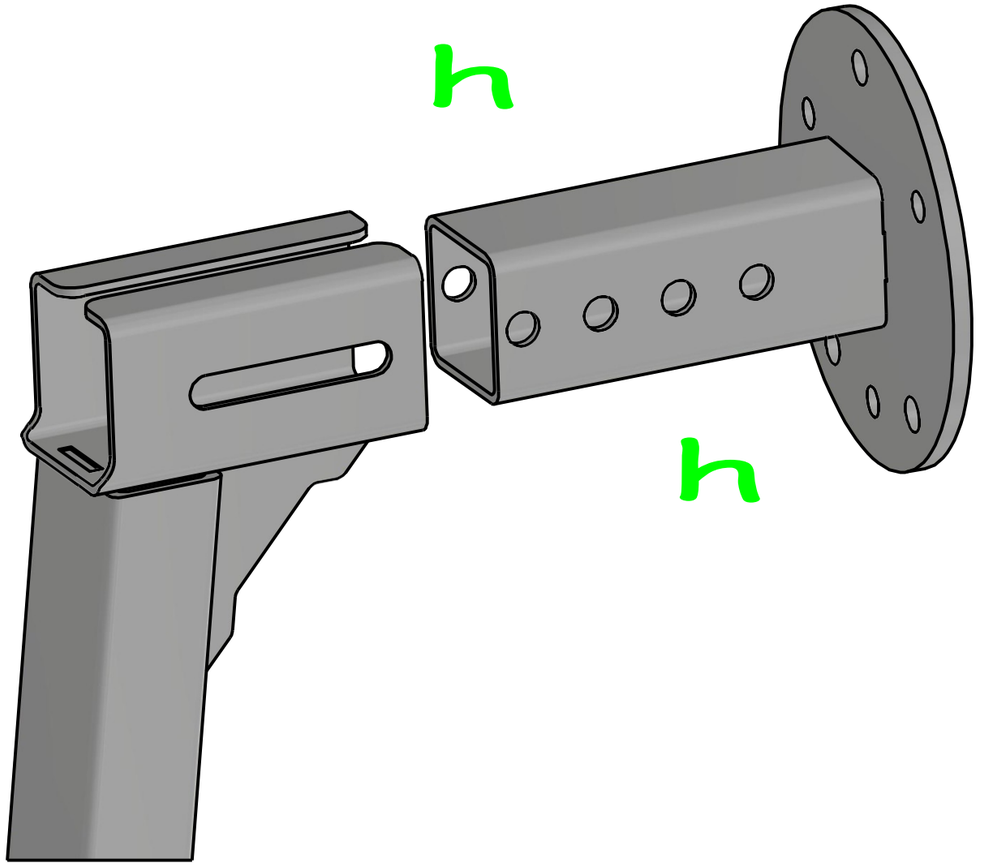
M14 x 110mm
BOLTS M14
WASHERS M14
NUTS

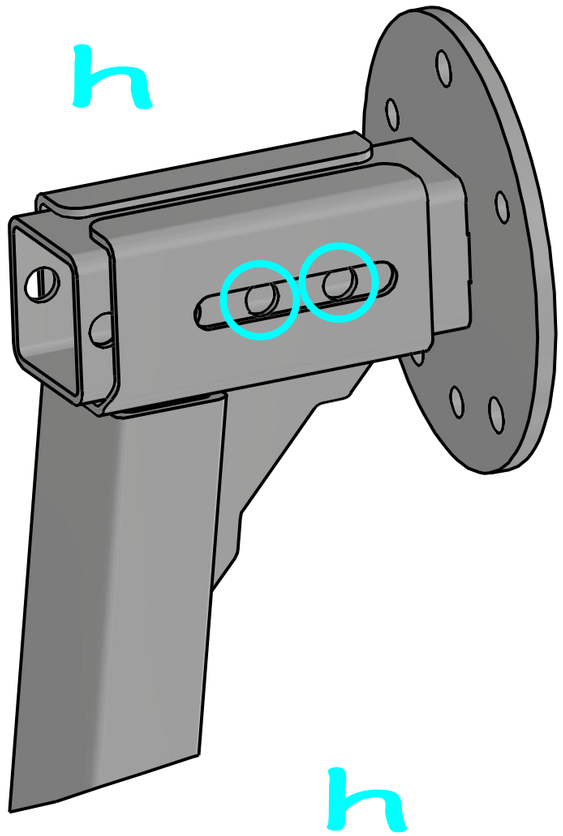
DOUBLE CHECK CLEARANCE TO REAR OF
VEHICLE ADJUST BUMP STOP AS REQUIRED

# 3. MOUNT TYRE HEAD





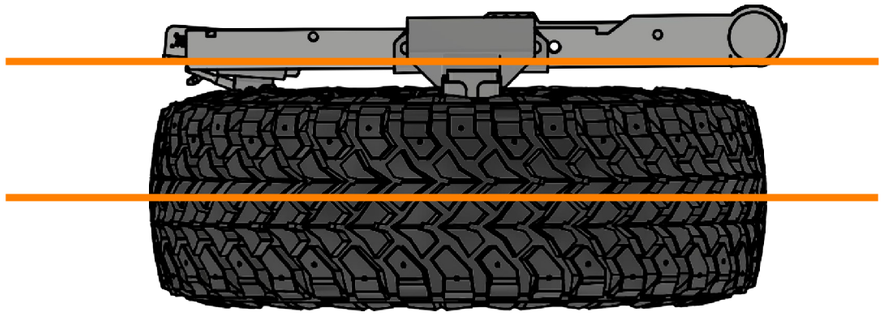



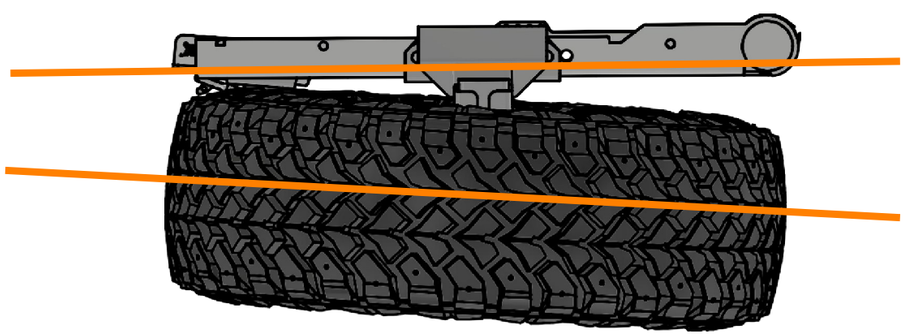

LARGE HOLES: 5 X 150 STUD PATTERN

SMALL HOLES: 6 X 139.7 STUD PATTERN

ADJUST IN/OUT
FOR WHEEL
OFFSET

M14 x 30mm BOLTS
M14 WASHERS





M14 NUTS

*Note: Roadmaster Combination Led Lamps wire color codes:

Ground - White

Stop - Red

Tail - Brown

Indicator - Green or Yellow