

# ***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](http://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.

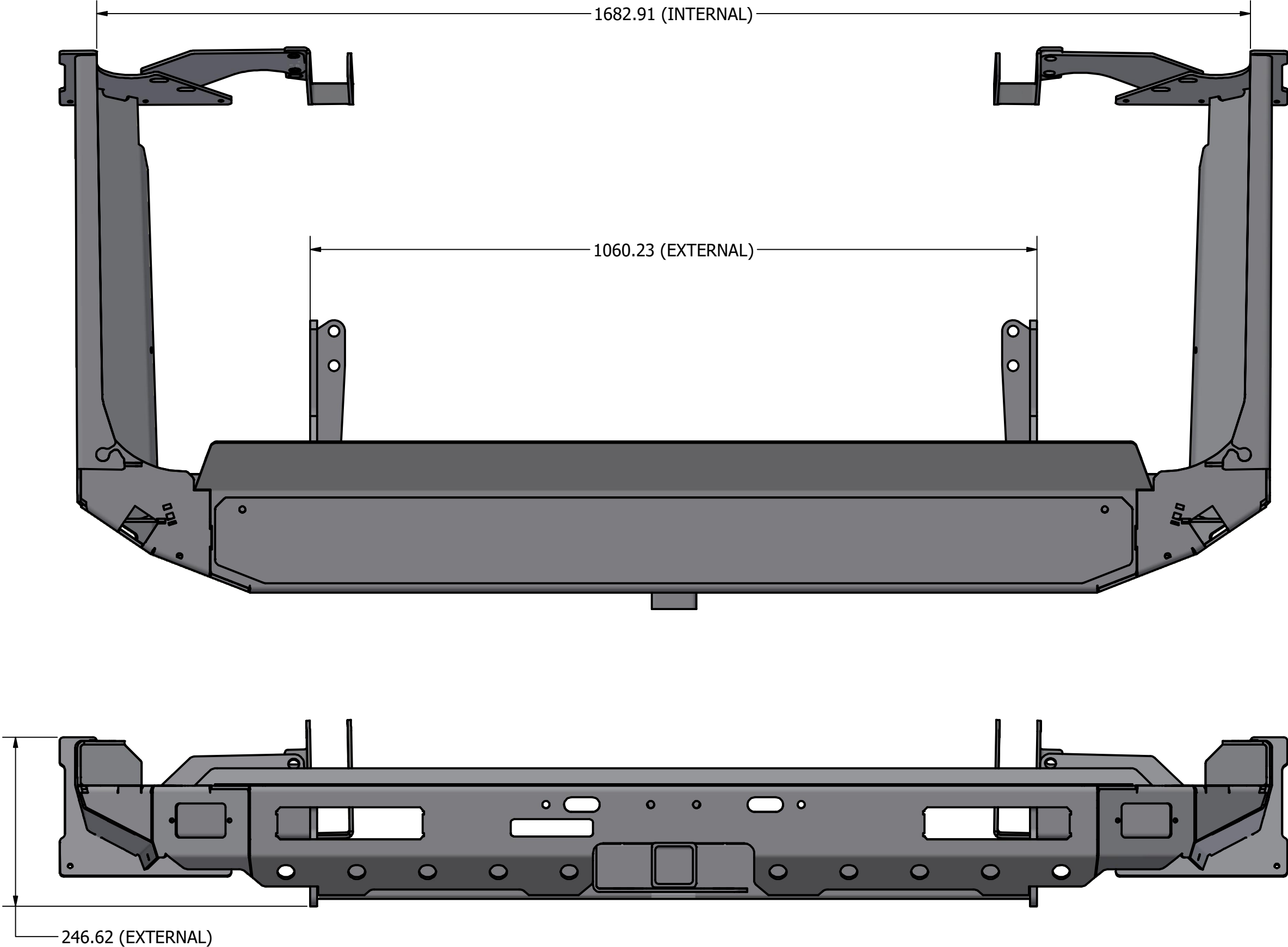


# GENERAL DIMENSIONS

ALL UNITS IN MM

EXTERNAL / INTERNAL REFERS TO START & END POINTS FOR MEASUREMENT

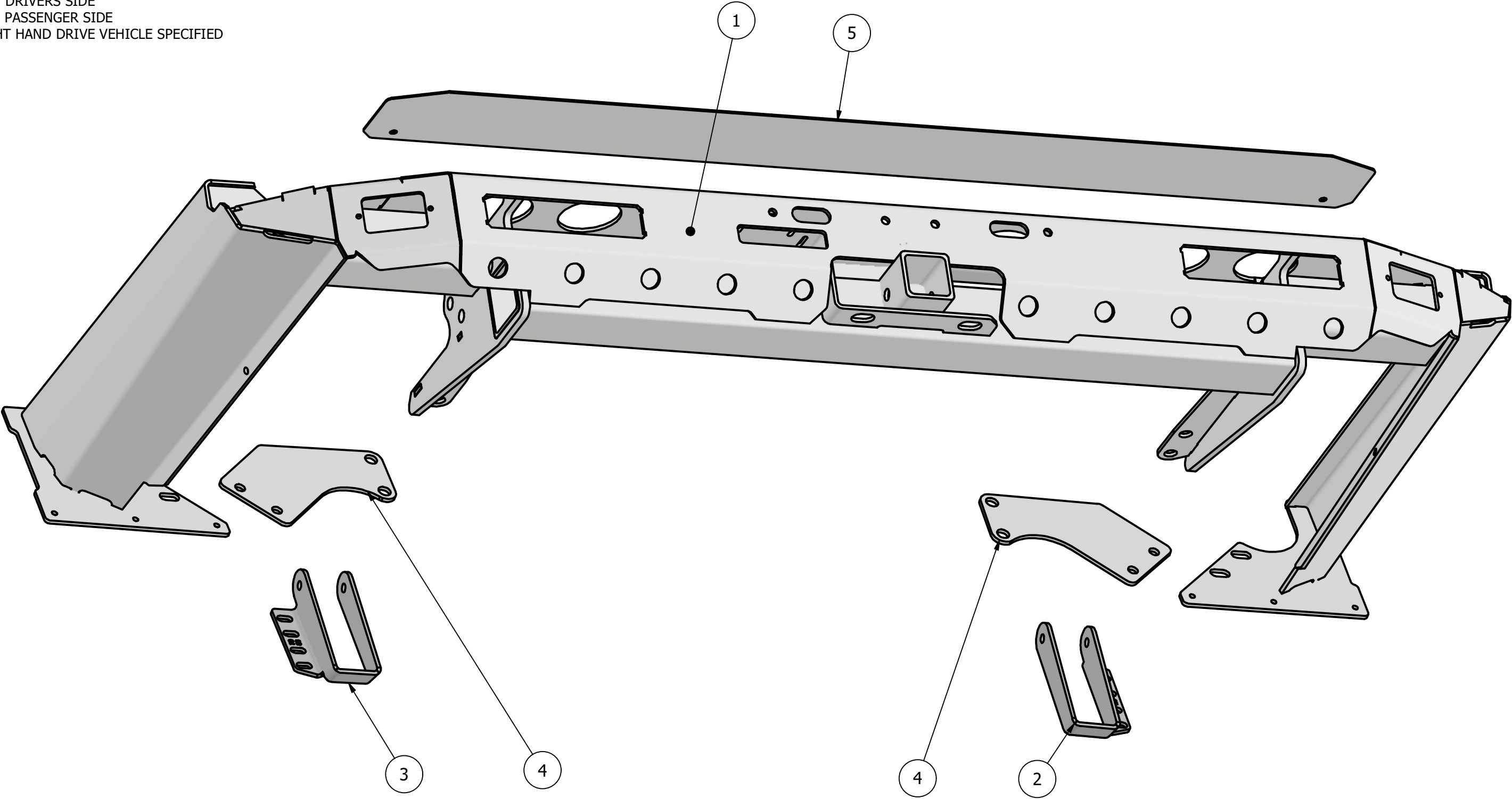
76 BAR SHOWN



# 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<br>(SOLDERING IRON ETC) |
| 5 CORE TRAILER WIRE (APPROX.<br>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 &<br>CHASSIS MOUNTS |
| M10 x 1.5 HEX NUTS      | 2   | CHASSIS CLAMPS                     |
| M10 x 1.25 x 50mm BOLTS | 10  | BOLT INTO CAPTIVE<br>NUTS          |
| M12 x 1.25 x 50mm BOLTS | 4   | BOLT INTO CENTRE<br>CAPTIVE NUTS   |
| M12 WASHERS             | 4   | BOLT INTO CENTRE<br>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 fasteners.

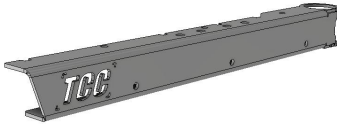
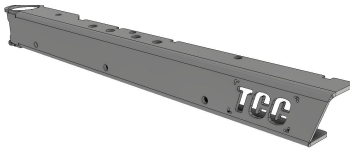


# 1. PREPARING FOR INSTALL

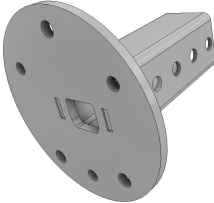
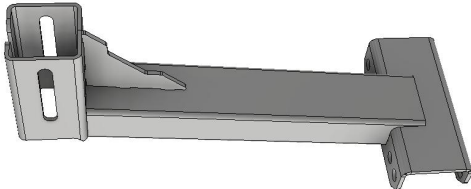
## BAR BASE - DETAILED IN ASSEMBLY VIEW (PAGE 3)

| 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           |   |                          |

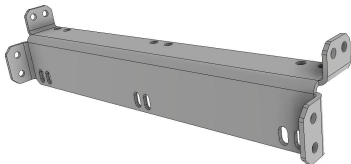
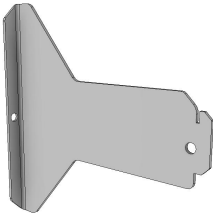
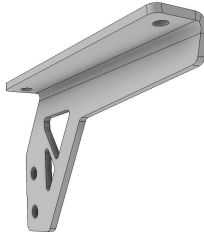
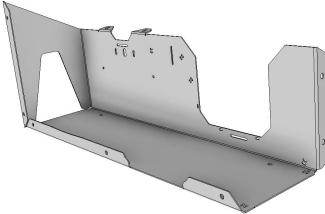
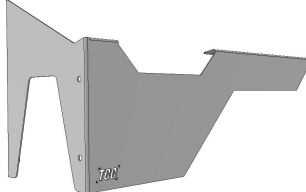
## TYRE CARRIER

| 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 |                          |
| 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.

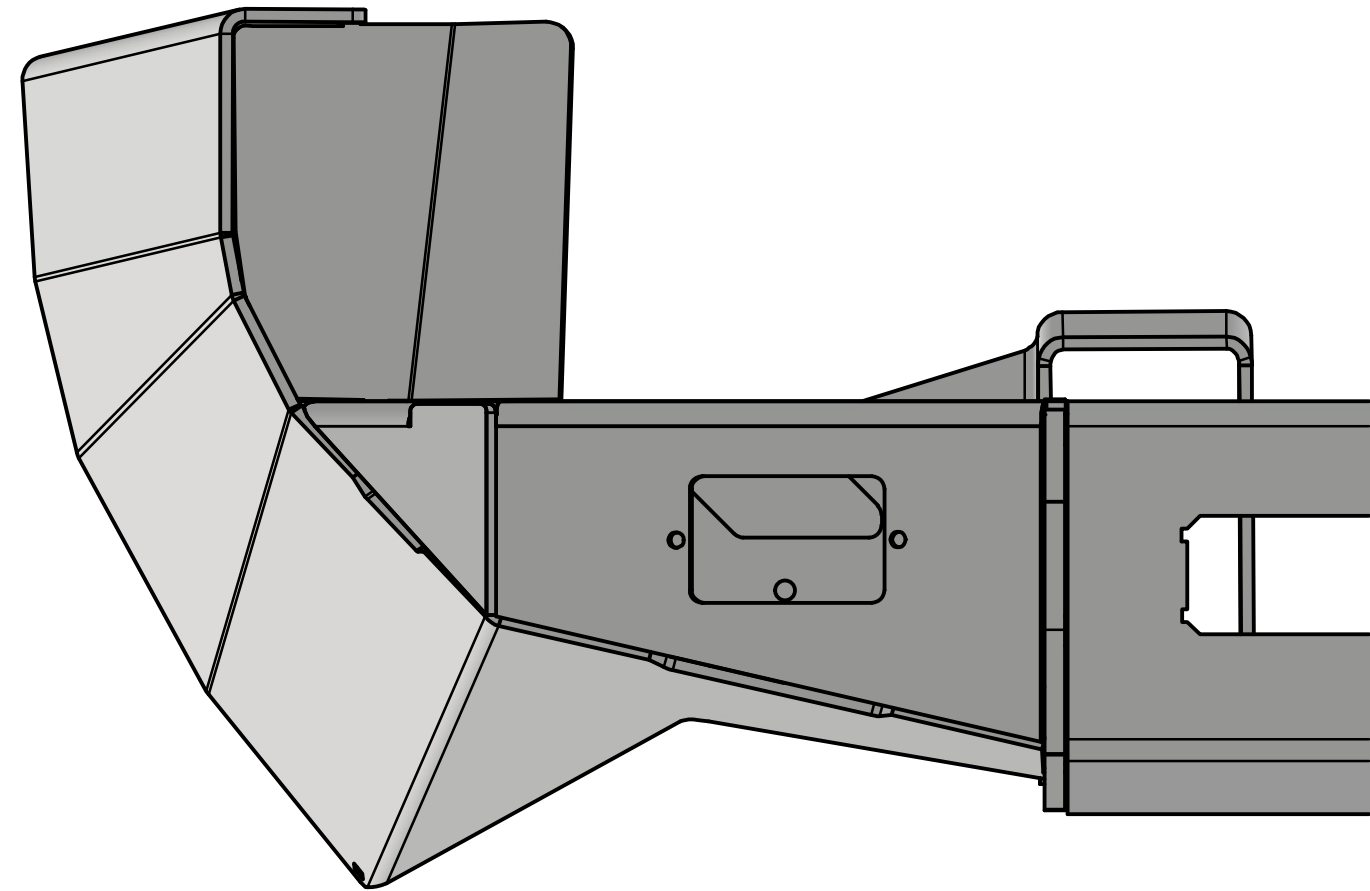
**2.6.** Remove towbar (if fitted) and set aside for refitting with TCC rear bar.

### ***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***

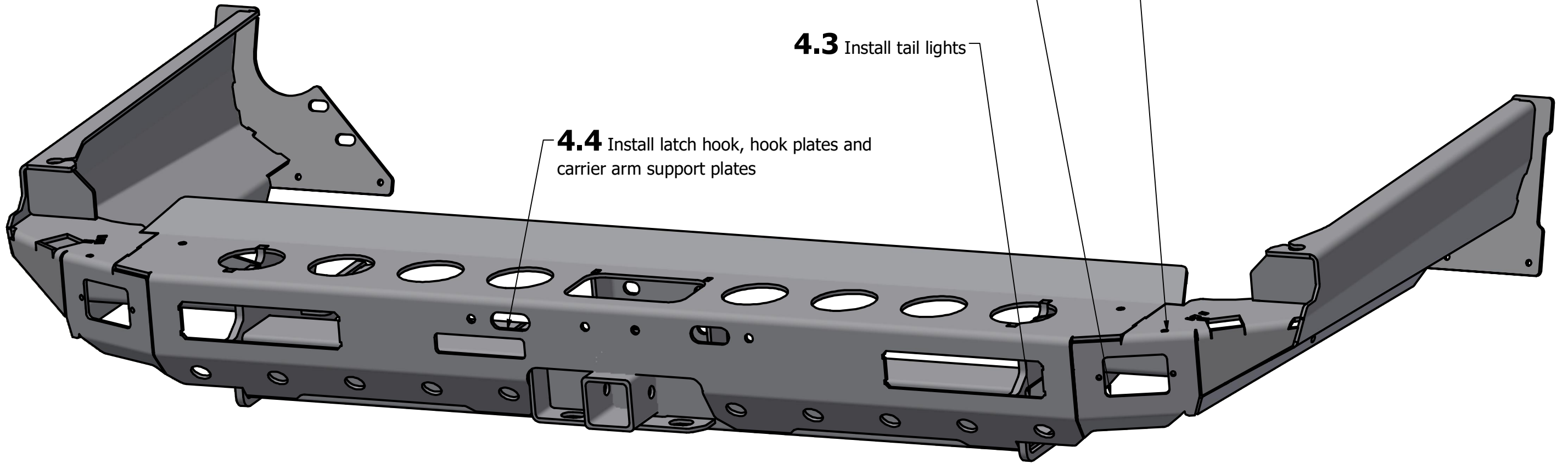
## ***FITTING THE ACCESSORIES***

**4.1** Install gas strut ball

**4.2** Install reverse lights

**4.3** Install tail lights

**4.4** Install latch hook, hook plates and  
carrier arm support plates



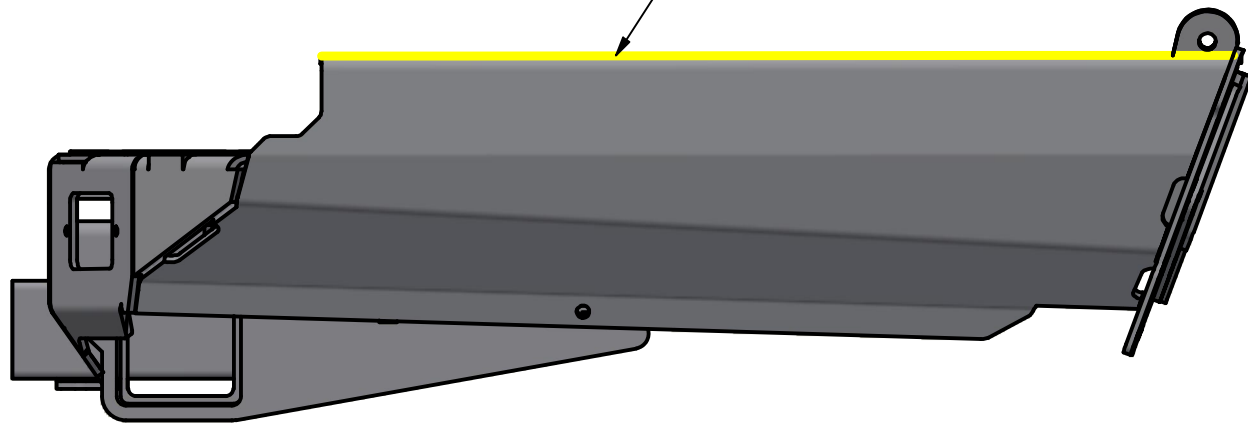
NOTE: DO NOT INSTALL TREAD PLATE AT THIS STAGE

# 5. REAR BAR INSTALL

## PREPARING FOR FITMENT TO THE VEHICLE

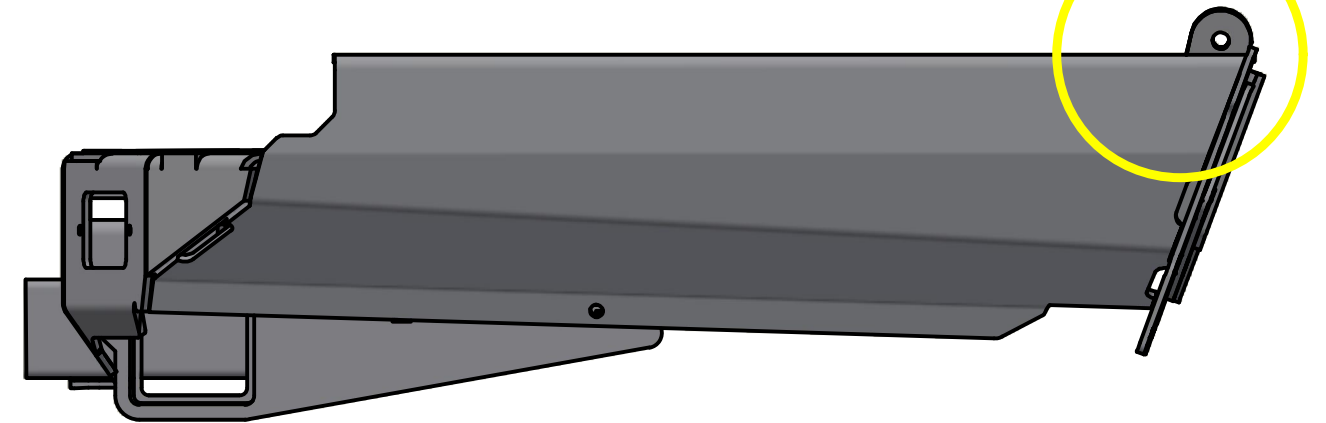
5.1

INSTALL BULB SEAL TO TOP EDGE OF WING



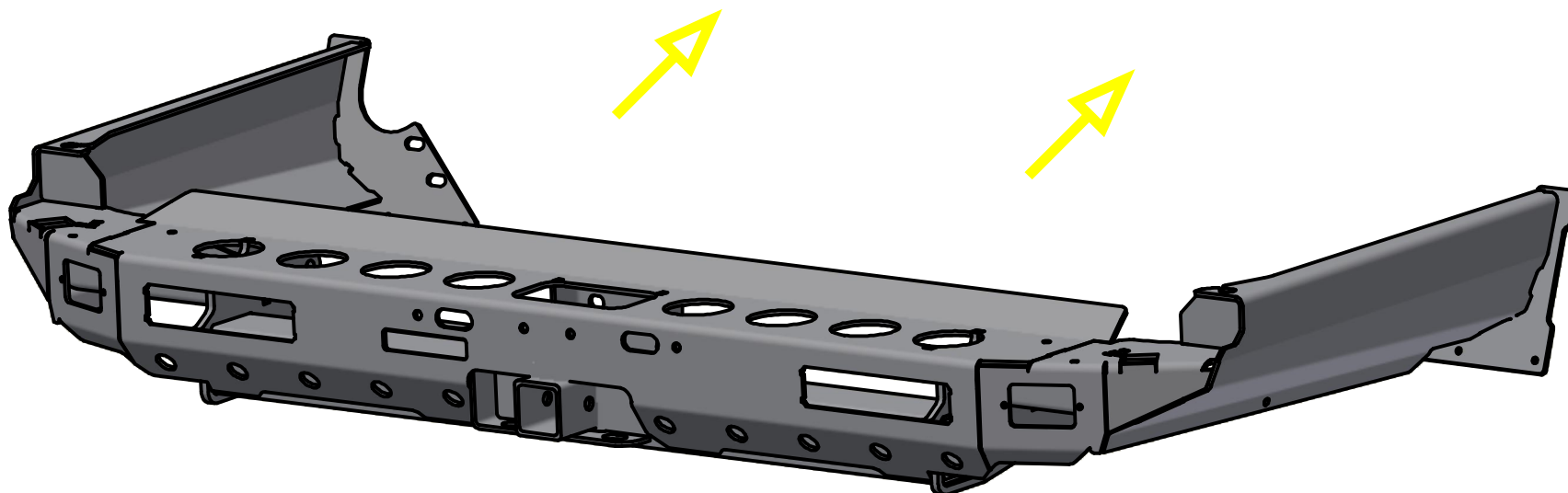
5.2

TEST FIT REAR BAR TO VEHICLE AND TRIM FLARES (IF FITTED). APPLY PINCHWELD TO FLARE



5.3

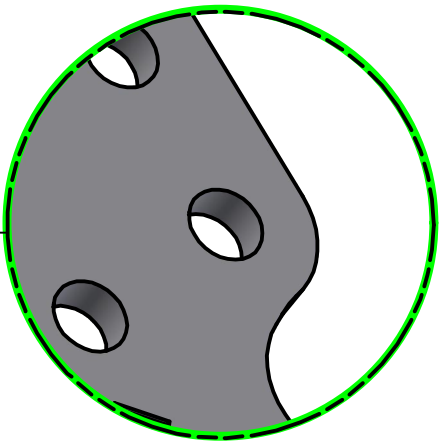
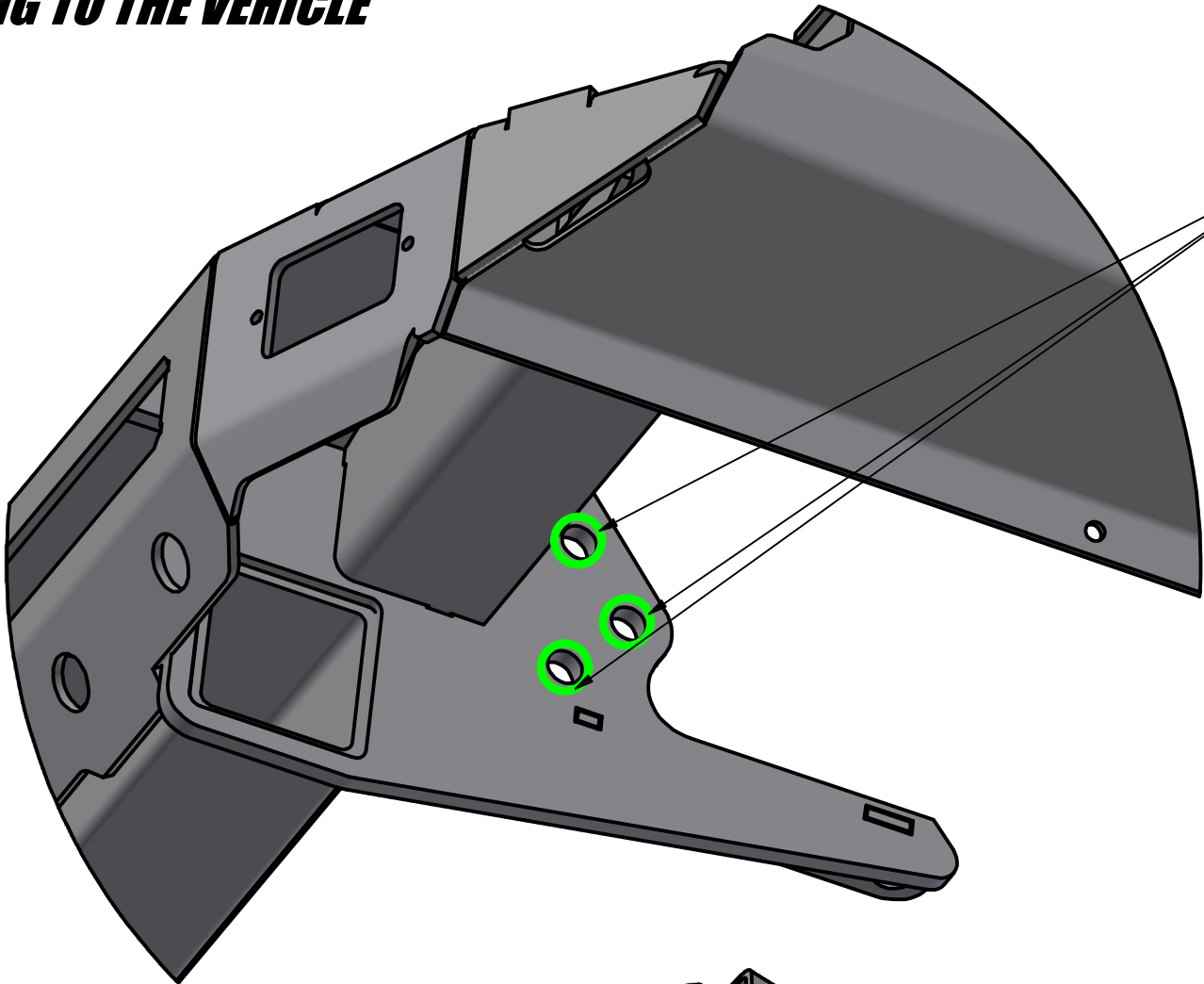
LIFT BAR ONTO VEHICLE



# 6. REAR BAR INSTALL

## FITTING TO THE VEHICLE

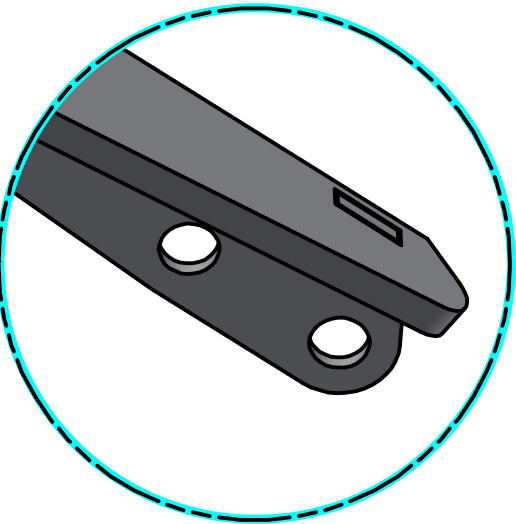
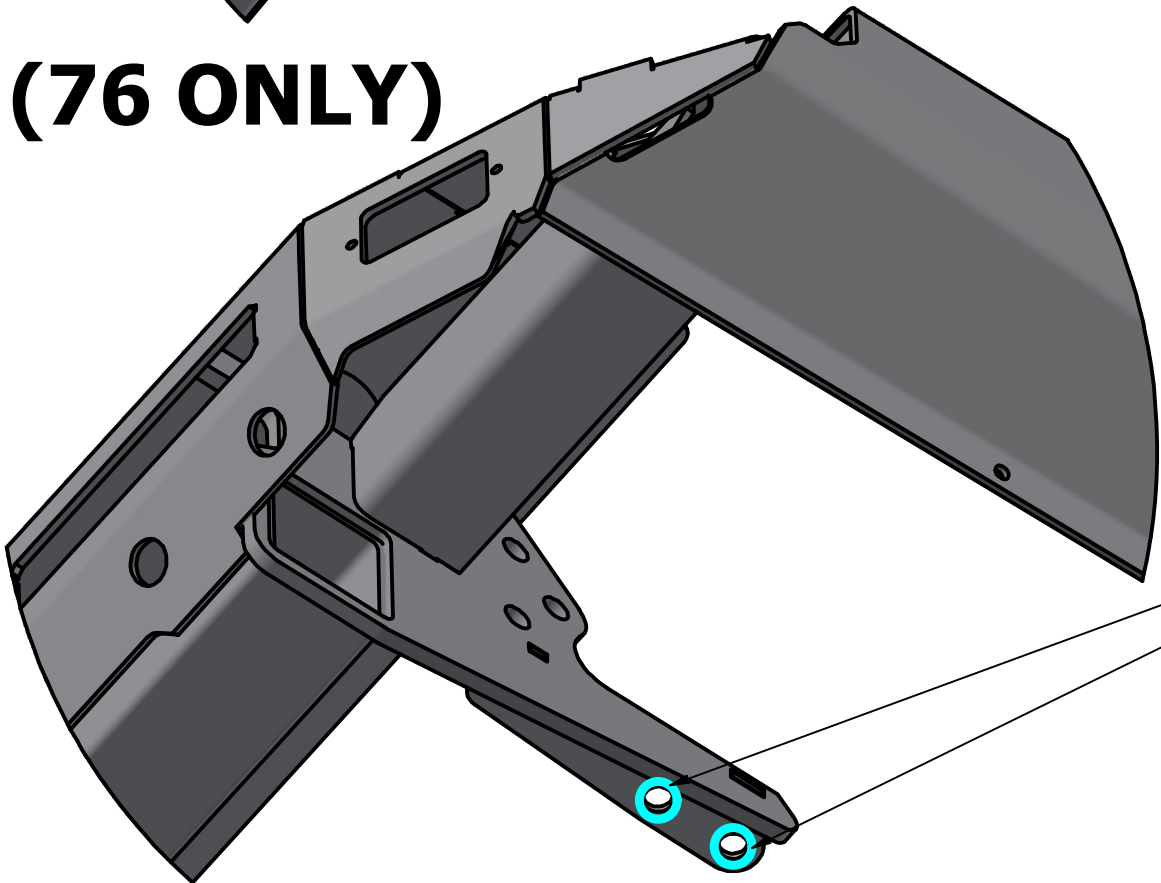
### 6.1



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)



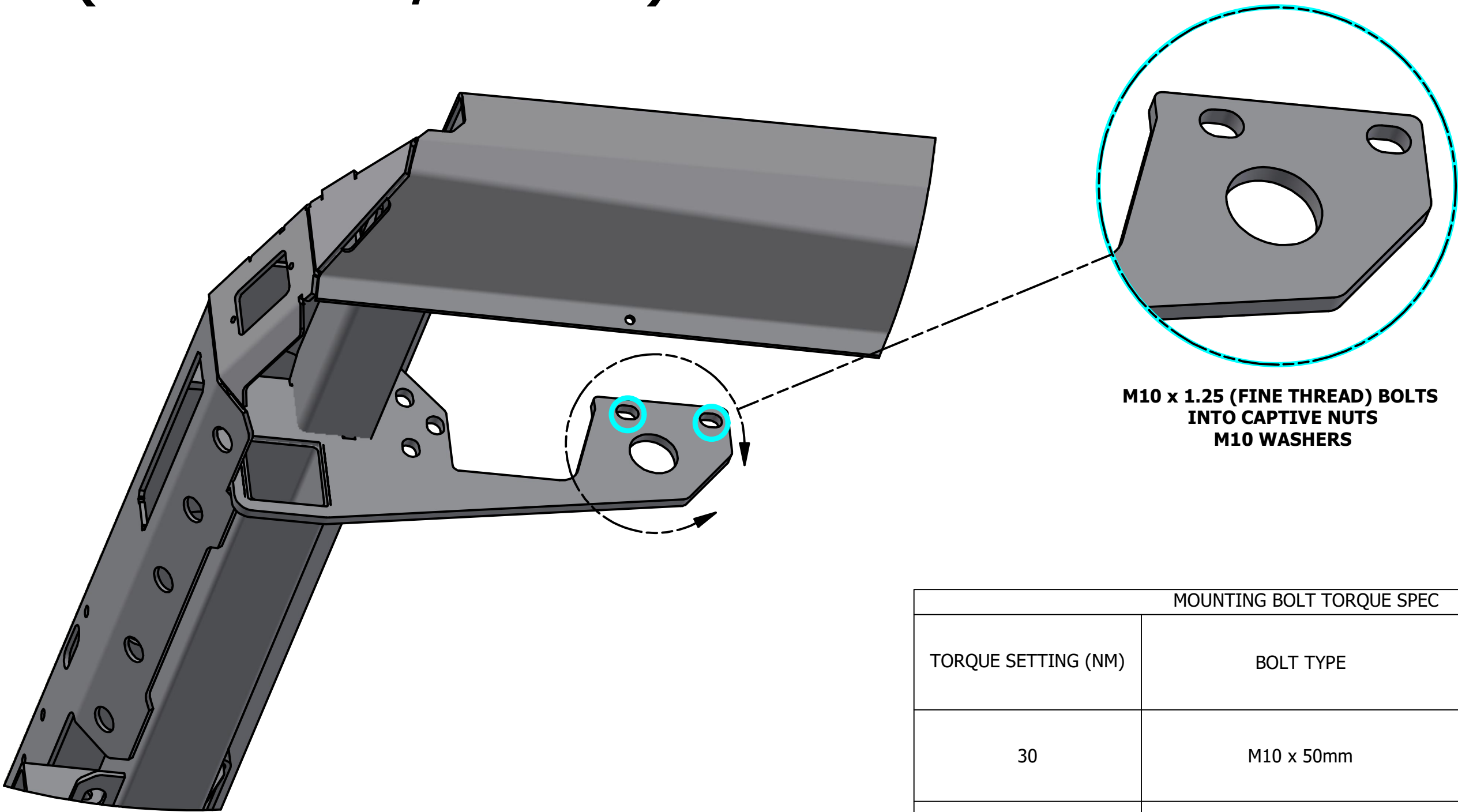
M10 x 1.25 (FINE THREAD) BOLTS  
INTO CAPTIVE NUTS  
M10 WASHERS

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

# 6. REAR BAR INSTALL

FITTING TO THE VEHICLE

## 6.2 (TROOPY - 75/78 ONLY)

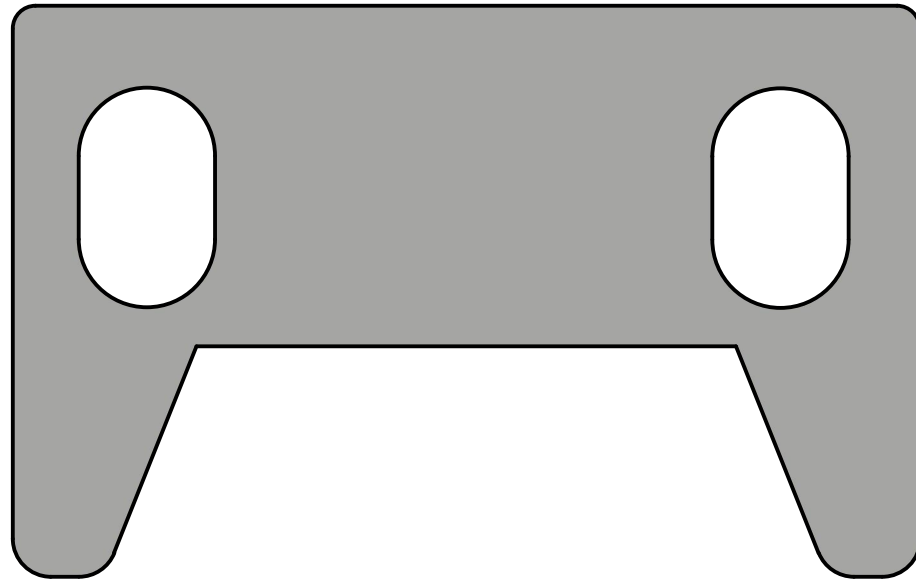


| MOUNTING BOLT TORQUE SPEC |            |                                     |
|---------------------------|------------|-------------------------------------|
| TORQUE SETTING (NM)       | BOLT TYPE  | LOCATION                            |
| 30                        | M10 x 50mm | CAPTIVE NUTS (CHASSIS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

# 7. REAR BAR INSTALL

## FITTING CENTER SHIMS

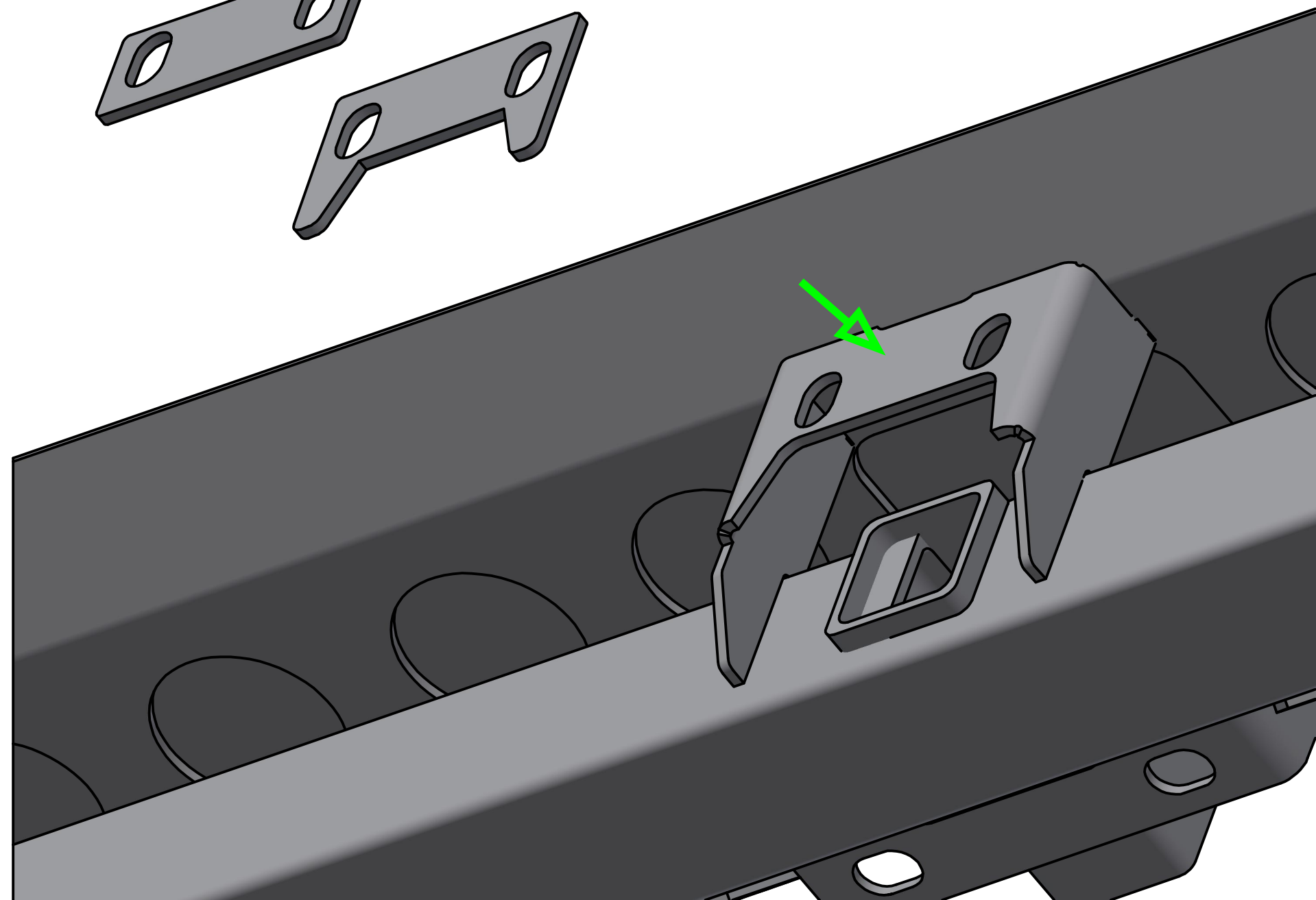
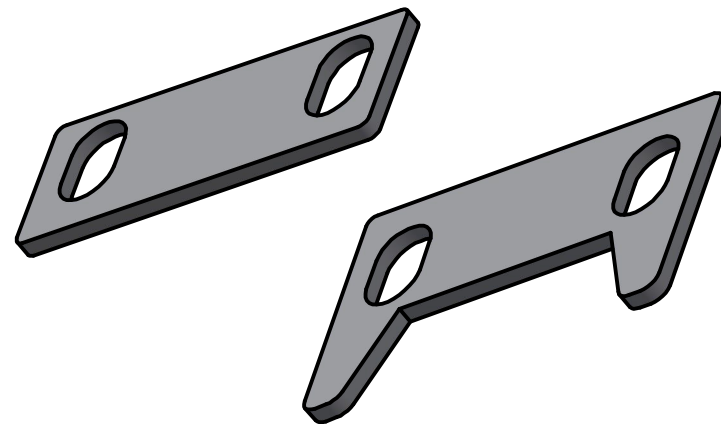
**CENTER SHIM #1**



**CENTER SHIM #2**



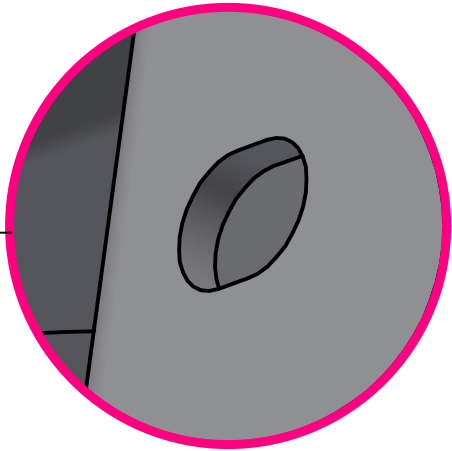
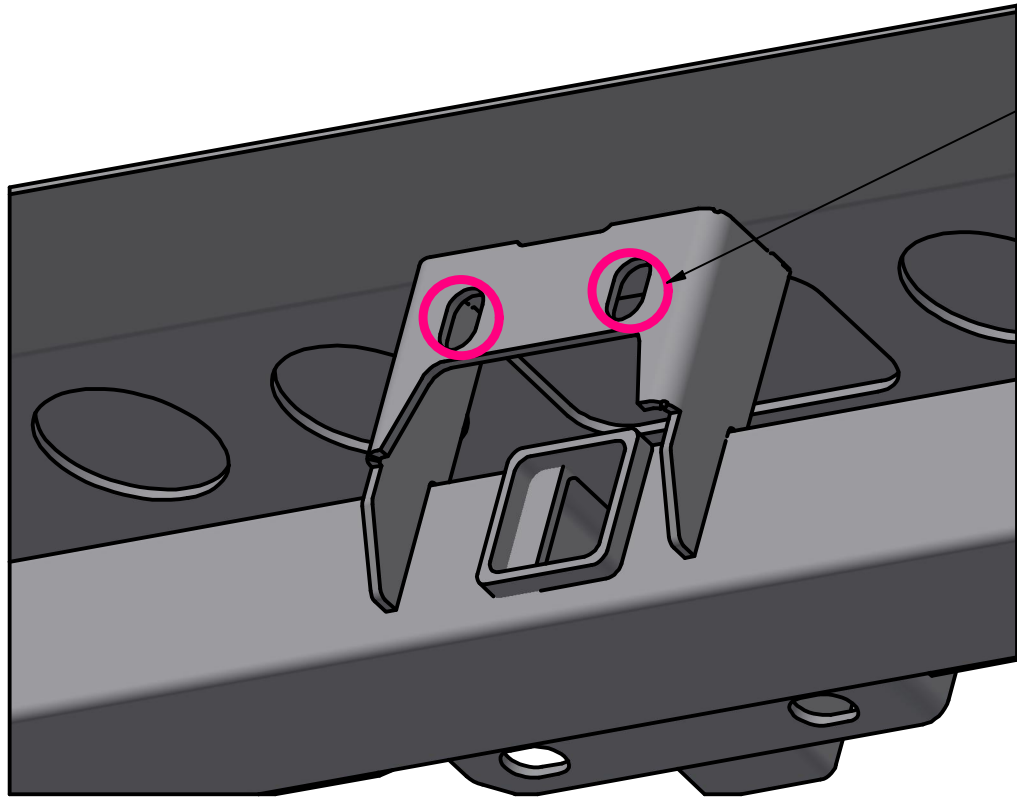
**7.1** Shims may be required on both LC76 & Troopy rear bars. If gap is present at center mount when all other bolts are installed, please install shims in the order shown below. Please note that only 1 shim may be required.



# 8. REAR BAR INSTALL

FITTING TO THE VEHICLE

## 8.1

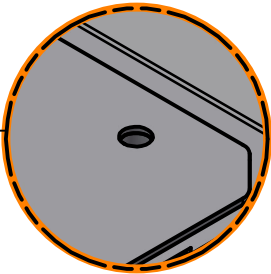
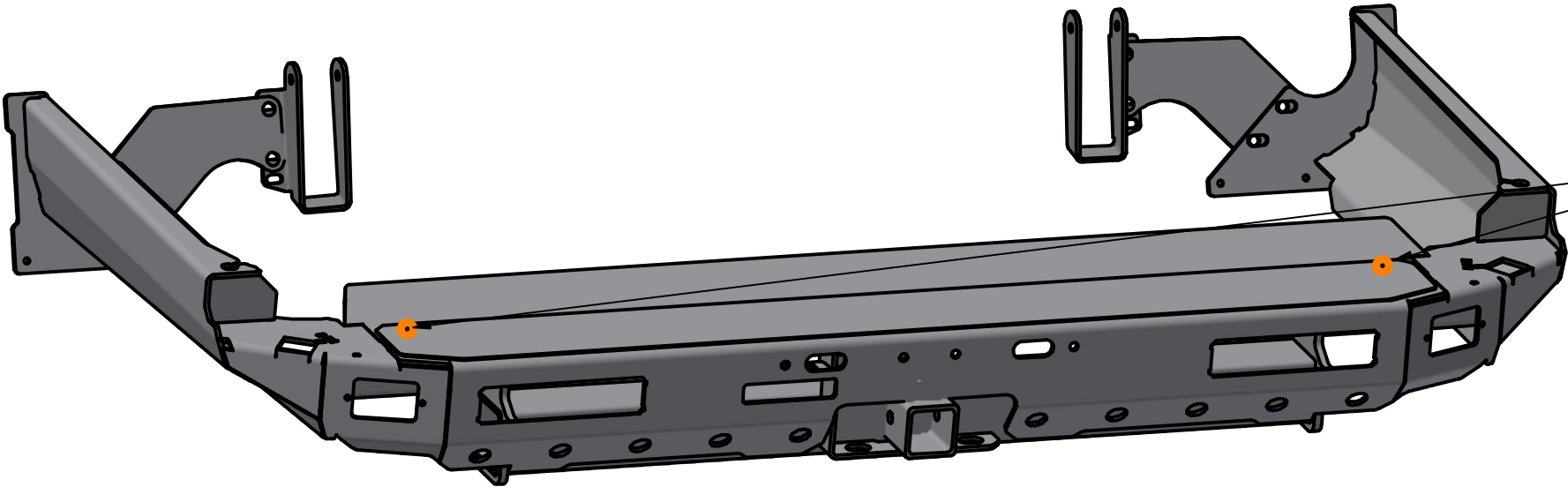


M12 x 1.25 (FINE THREAD) BOLTS  
INTO CAPTIVE NUTS  
M12 WASHERS  
  
\*ACCESS FROM TOP OF REAR BAR\*

| 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.

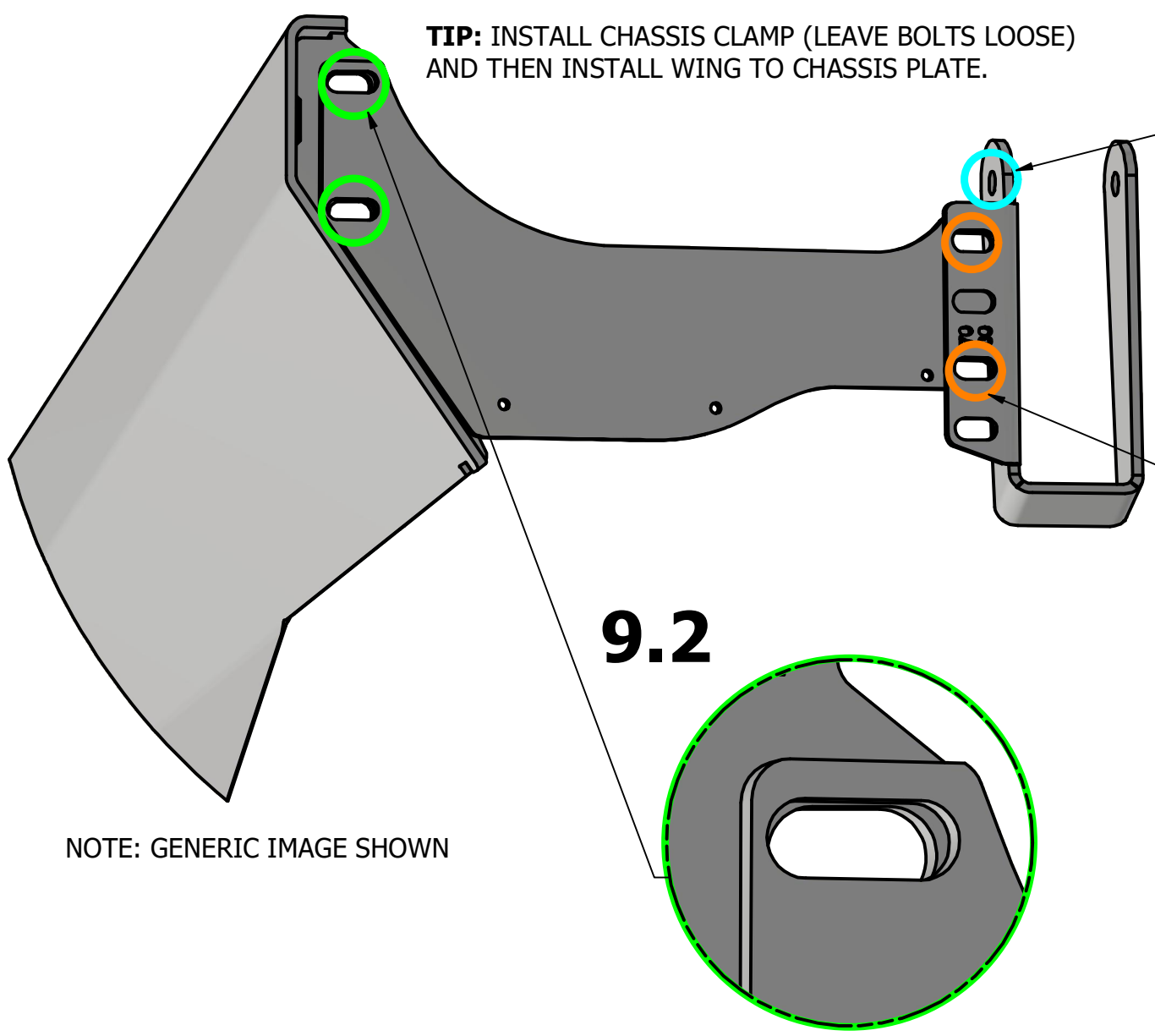
## 8.2 Install tread plate



M8 BOLTS  
M8 WASHERS  
M8 HEX NUTS

# 9. REAR BAR INSTALL

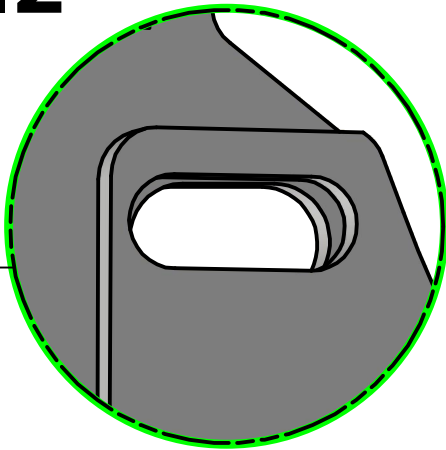
## WING TO CHASSIS BRACES



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

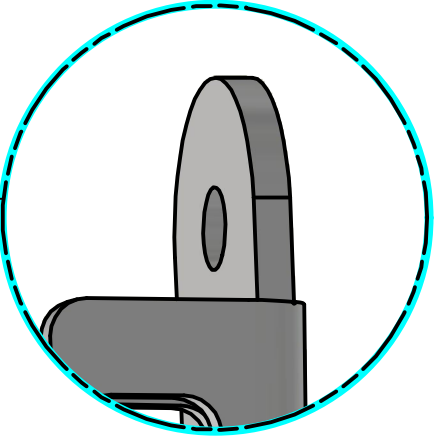
NOTE: GENERIC IMAGE SHOWN

9.2



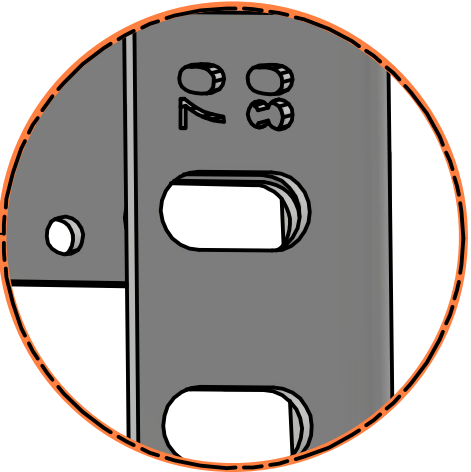
M10 x 35mm BOLTS  
M10 WASHERS  
M10 HEX NUTS

9.1



M10 x 80mm BOLTS  
M10 WASHERS  
M10 HEX NUTS

9.3



M10 x 35mm BOLTS  
M10 WASHERS  
M10 HEX NUTS

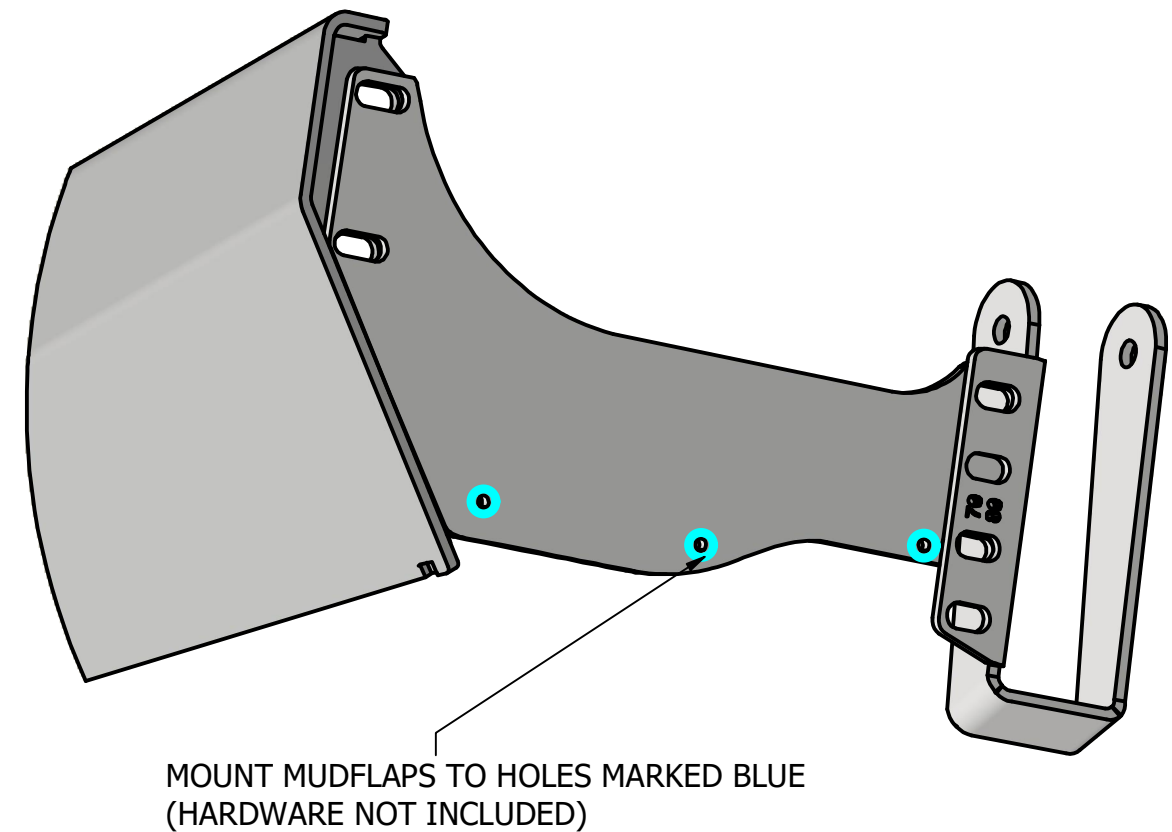
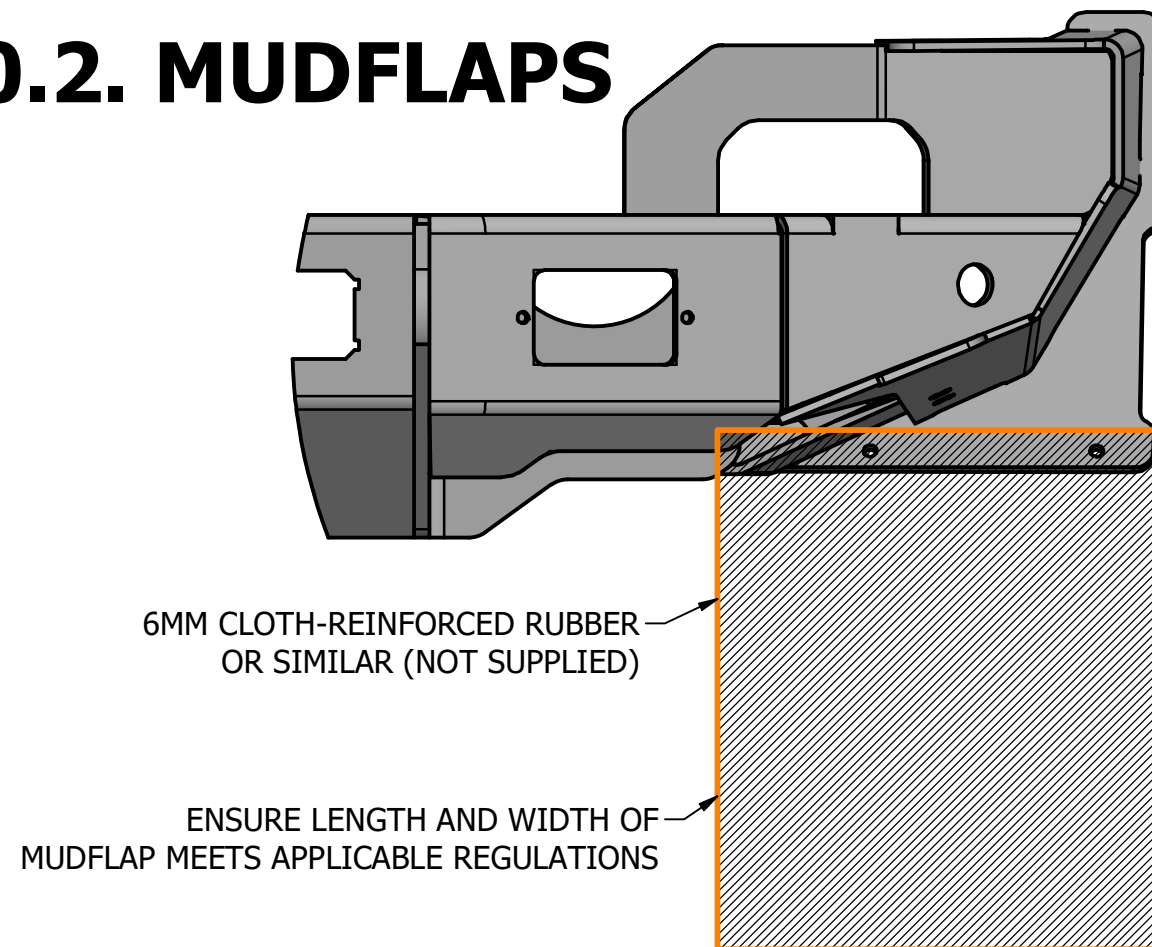
**IMPORTANT!** ENSURE BOLTS ARE ORIENTATED SO THAT THEY DO NOT CONTACT THE TYRE WHEN VEHICLE IS FLEXED

# 10. REAR BAR INSTALL

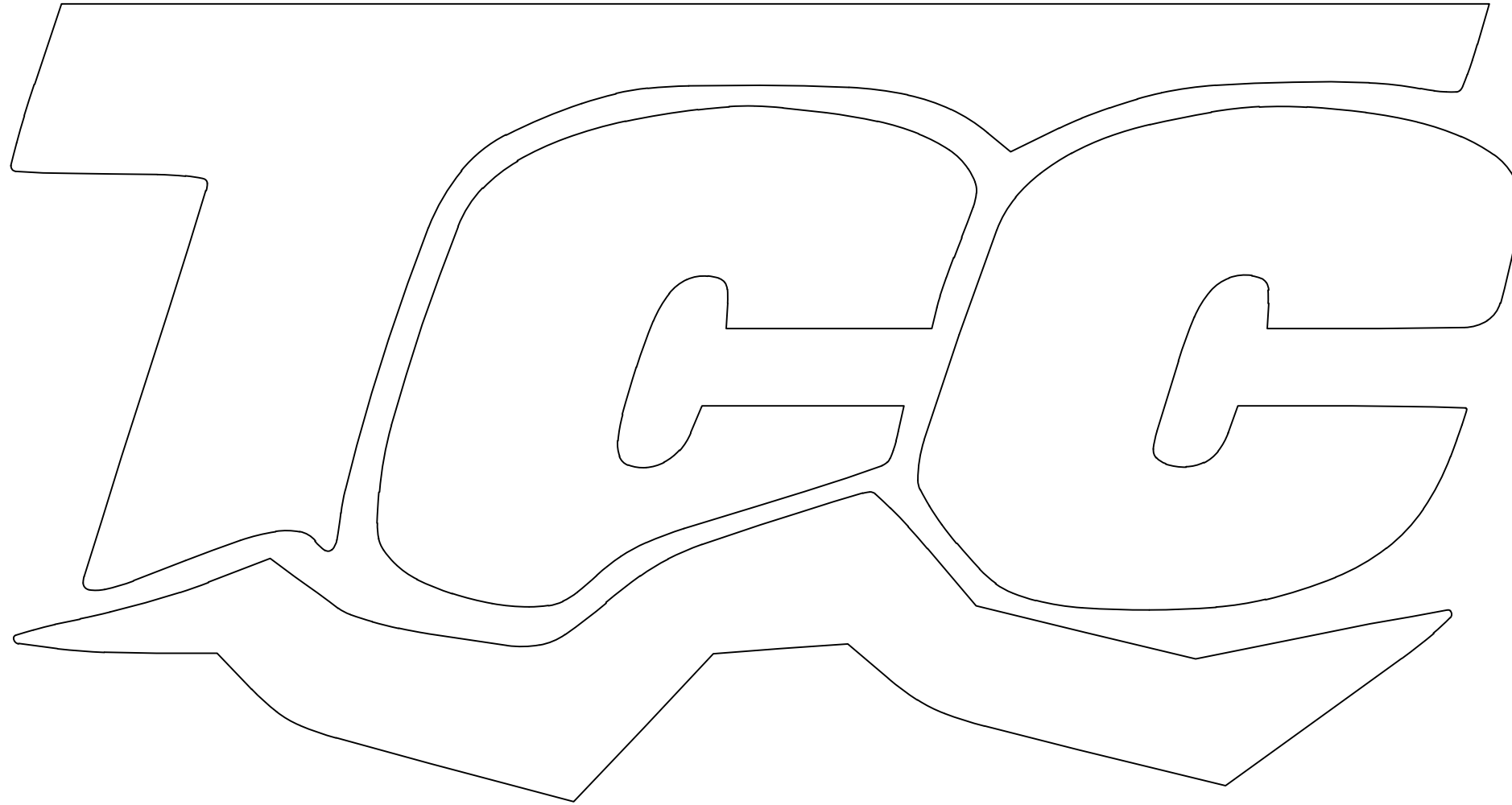
## FINAL STEPS

**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](http://www.thecruisercompany.com.au)**



**FOR INQUIRIES & SUPPORT PLEASE CONTACT:**

**PH:** (03) 9120 8814

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