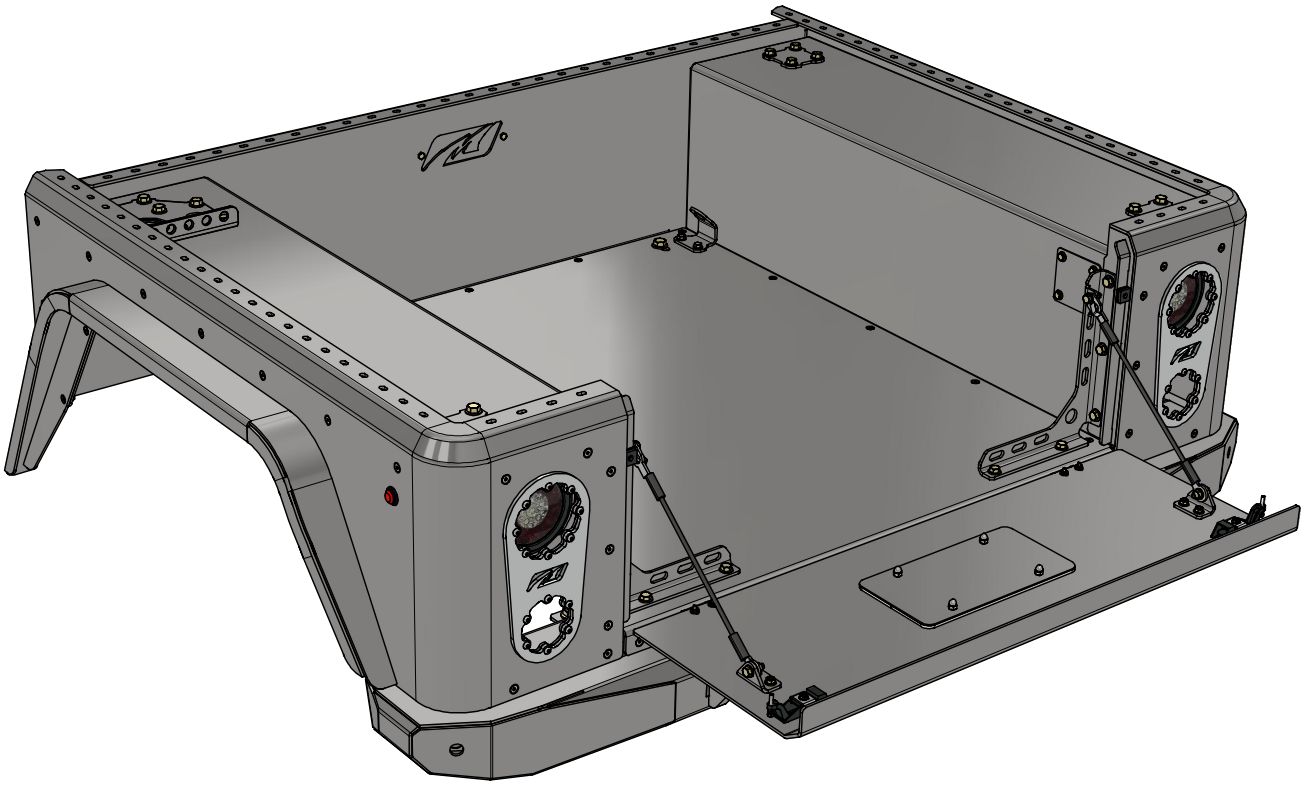
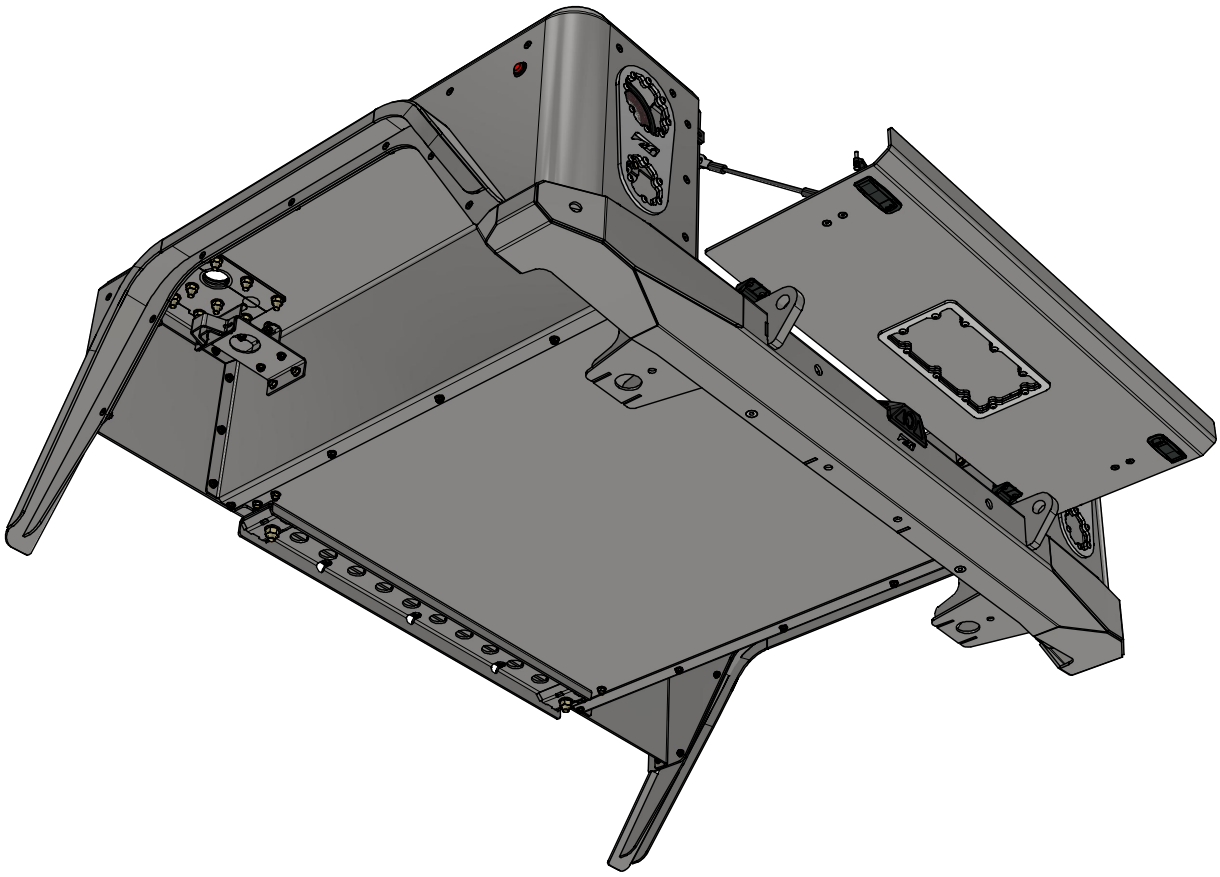
# MB1178 - Assembly JT Gladiator Bobbed Bed



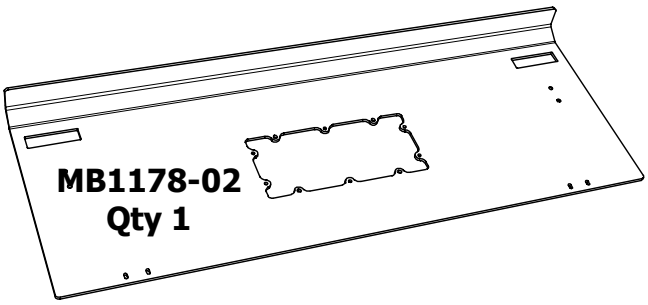


# TABLE OF CONTENTS

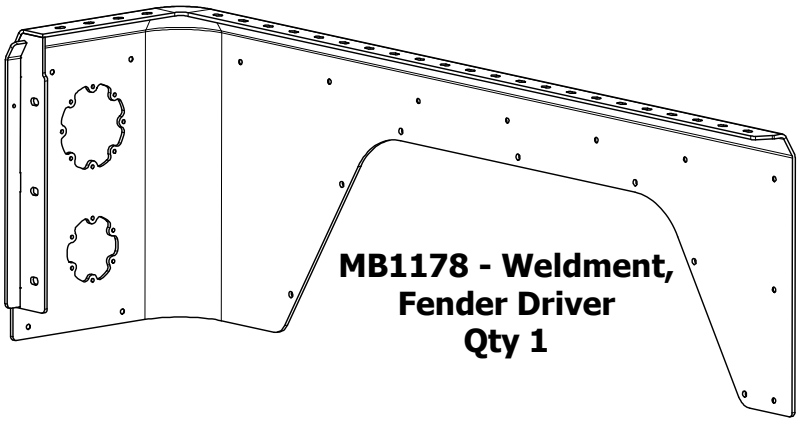
SHIPPING CONTENTS Pages 3-11
PREPARATION Page 12
FRAME MODIFICATION Page 13
BED ASSEMBLY Pages 14-23
TAILGATE ASSEMBLY Pages 24-29
LIGHT INSTALLATION Pages 30-32
CAGE PLATE INSTALLATION Page 33
FUEL FILLER INSTALLATION Pages 34-40
FRONT TIE DOWN INSTALLATION Page 41
COVER PLATE/FACTORY RECEPTACLE Page 42
SIDE MARKER LIGHT INSTALLATION Page 43
FENDER INSTALLATION Page 44
BED ALIGNMENT/INSTALLATION Page 45
REAR BUMPER INSTALLATION Pages 46-47
WIRING DIAGRAMS Pages 52-53
STRONGBACK PLATES INSTALLATION Page 54

# MB1178 - Assembly JT Gladiator Bobbed Bed

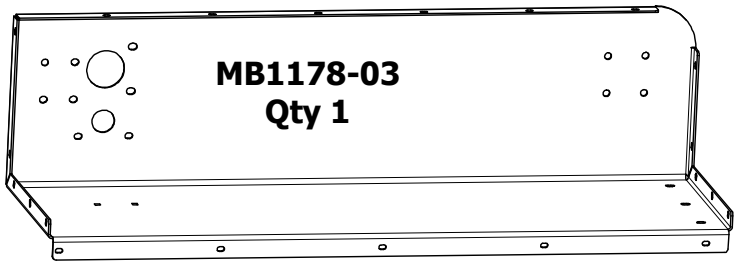
## CONTENTS



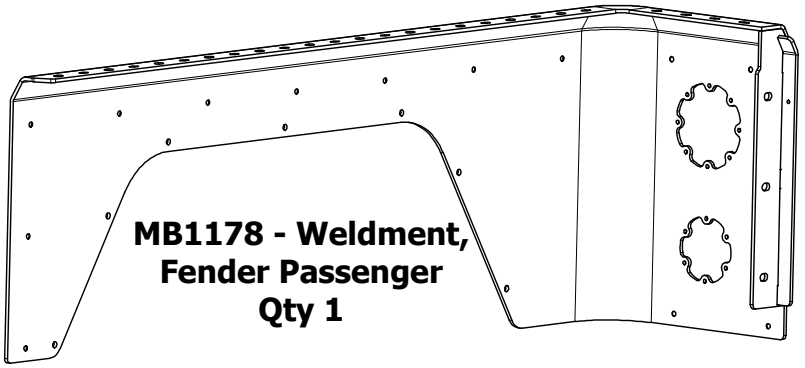
MB1178-02
Qty 1



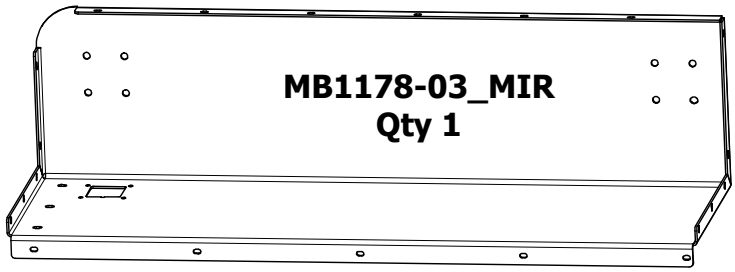
MB1178 - Weldment,
Fender Driver
Qty 1



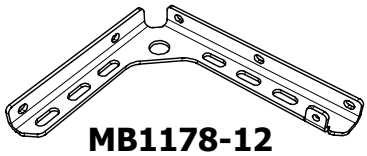
MB1178-03
Qty 1



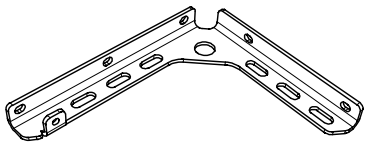
MB1178 - Weldment,
Fender Passenger
Qty 1



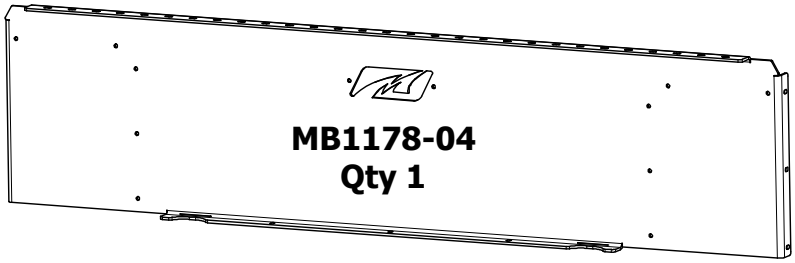
MB1178-03_MIR
Qty 1



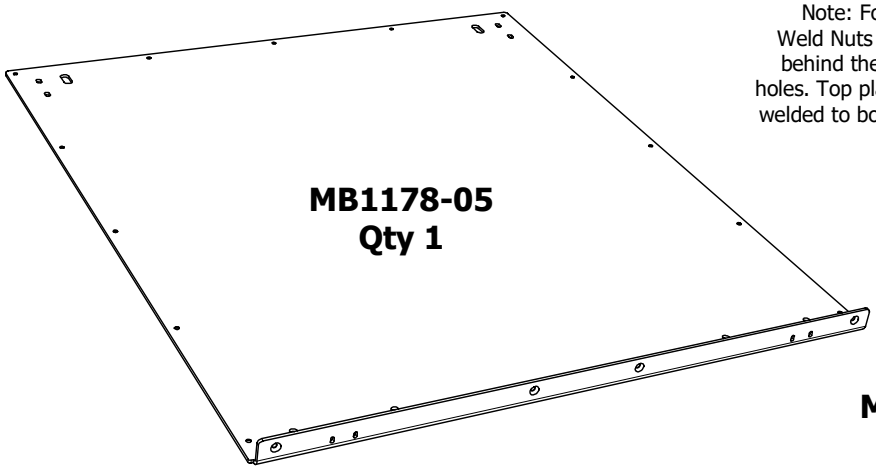
MB1178-12
Qty 1



MB1178-12_MIR
Qty 1

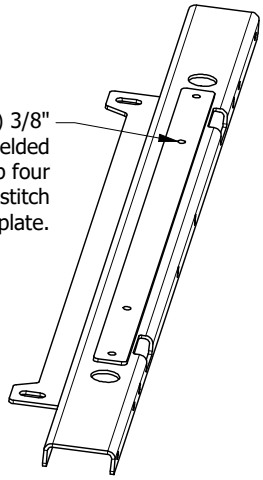


MB1178-04
Qty 1

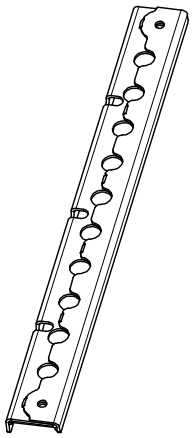


MB1178-05
Qty 1

Note: Four (4) 3/8" Weld Nuts are welded behind these top four holes. Top plate is stitch welded to bottom plate.



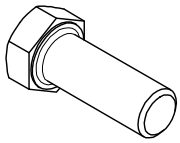
MB1178 - Weldment,
Rear Body Mount
Qty 1



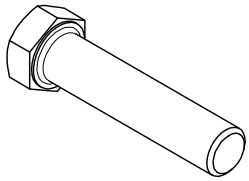
MB1178 - Weldment,
Front Body Mounts
Qty 1

# MB1178 - Assembly JT Gladiator Bobbed Bed

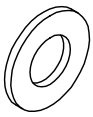
BAG LABELED AS
## 1178-KIT01



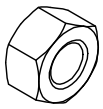
**Hex Bolt**
**9/16"-12 x 1.50"**
**Qty 2**



**Hex Bolt**
**9/16"-12 x 2.50"**
**Qty 2**

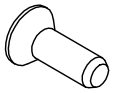


**Flat Washer**
**9/16"**
**Qty 8**

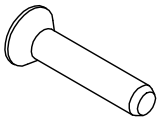


**Nylock Nut**
**9/16"-12**
**Qty 4**

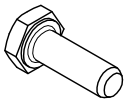
BAG LABELED AS
## 1178-KIT02



**Countersunk Screw**
**1/4"-20 x 0.75"**
**Qty 40**



**Countersunk Screw**
**1/4"-20 x 1.25"**
**Qty 8**



**Hex Bolt**
**1/4"-20 x 0.75"**
**Qty 10**

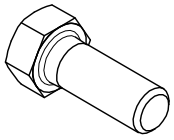


**Flat Washer**
**1/4"**
**Qty 60**

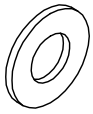


**Nylock Nut**
**1/4"-20**
**Qty 60**

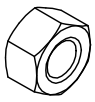
BAG LABELED AS
## 1178-KIT03



**Hex Bolt**
**3/8"-16 x 1.00"**
**Qty 10**

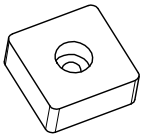


**Flat Washer**
**3/8"**
**Qty 16**

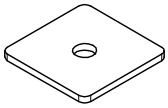


**Nylock Nut**
**3/8"-16**
**Qty 6**

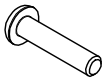
BAG LABELED AS
## 1178-KIT04



**Rubber Bumper**
**Qty 2**



**MB1178-32**
**Qty 6**



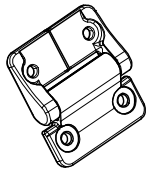
**Hex Button Head Screw**
**#8-32 x 0.75"**
**Qty 2**



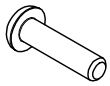
**Machine Nut**
**#8-32**
**Qty 2**

# MB1178 - Assembly JT Gladiator Bobbed Bed

BAG LABELED AS
## 1178-KIT05



Hinge
Qty 2



Hex Button Head Screw
#10-24 x 0.75"
Qty 8

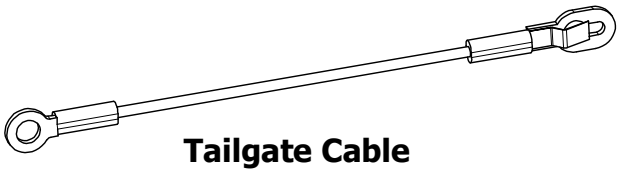


Flat Washer
M6
Qty 8

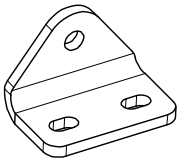


Nylock Nut
#10-24
Qty 8

BAG LABELED AS
## 1178-KIT06



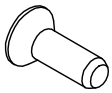
Tailgate Cable
Qty 2



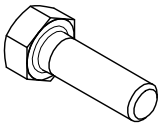
MB1178-26
Qty 2



MB1178-25
Qty 2



Countersunk Screw
1/4"-20 x 0.75"
Qty 4



Hex Bolt
5/16"-18 x 1.00"
Qty 4



Flat Washer
5/16"
Qty 6



Nylock Nut
5/16"-18
Qty 4



Hex Nut
5/16"-18
Qty 2

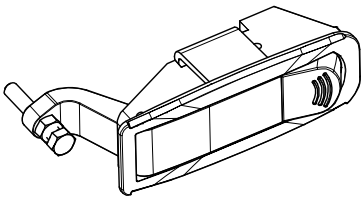


Flat Washer
1/4"
Qty 4



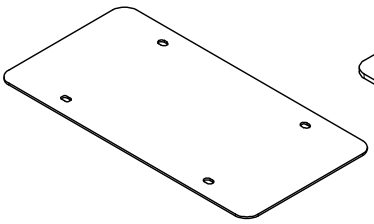
Nylock Nut
1/4"-20
Qty 4

BAG LABELED AS
## 1178-KIT07

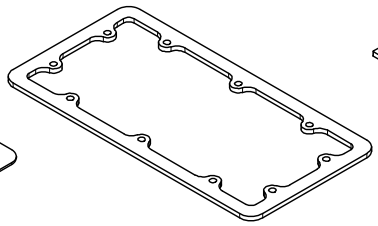


Latch
Qty 2

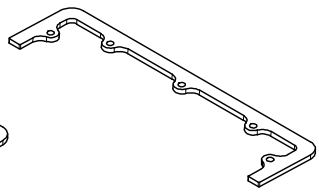
BAG LABELED AS
## 1178-KIT08



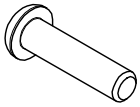
MB1178-29
Qty 1



MB1178-24
Qty 1



MB1178-31
Qty 2



Hex Button Head Screw
1/4"-20 x 1.00"
Qty 4



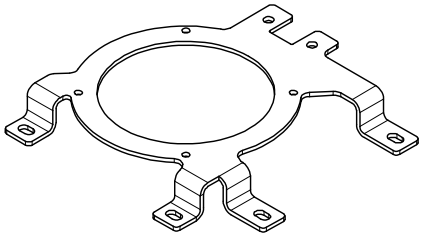
Hex Button Head Screw
1/4"-20 x 0.50"
Qty 6



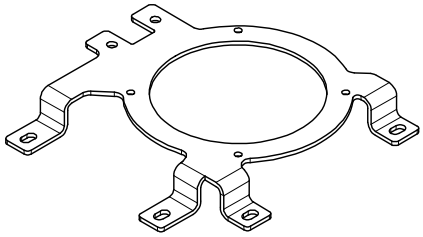
Cap Nut
1/4"-20
Qty 4

# MB1178 - Assembly JT Gladiator Bobbed Bed

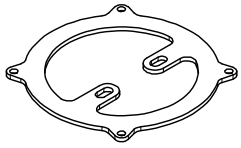
BAG LABELED AS
## 1178-KIT09



**MB1178-22**
**Qty 1**



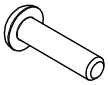
**MB1178-22_MIR**
**Qty 1**



**MB1178-30**
**Qty 2**



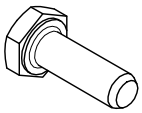
**MB1178-28**
**Qty 2**



**Hex Button Head Screw**
**#10-24 x 0.75"**
**Qty 8**



**Nylock Nut**
**#10-24**
**Qty 8**



**Hex Bolt**
**1/4"-20 x 3/4"**
**Qty 4**

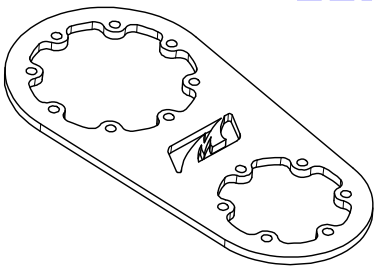


**Flat Washer**
**1/4"**
**Qty 4**



**Nylock Nut**
**1/4"-20**
**Qty 4**

BAG LABELED AS
## 1178-KIT10

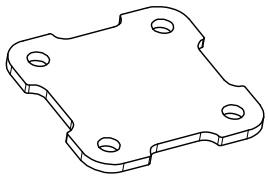


**MB1178-23**
**Qty 2**

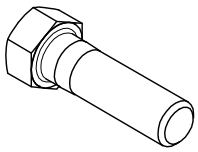


**Hex Button Head Screw**
**1/4"-20 x 0.50"**
**Qty 28**

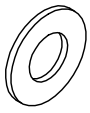
BAG LABELED AS
## 1178-KIT11



**MB1178-33**
**Qty 6**



**Hex Bolt**
**3/8"-16 x 1.50"**
**Qty 12**



**Flat Washer**
**3/8"**
**Qty 24**



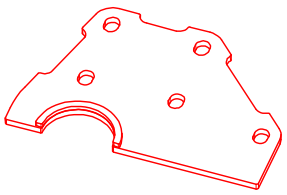
**Nylock Nut**
**3/8"-16**
**Qty 12**

# MB1178 - Assembly JT Gladiator Bobbed Bed

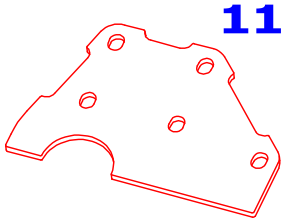
GASOLINE COMPATIBLE PARTS SHOWN IN RED

BAG LABELED AS
## 1178-KIT12

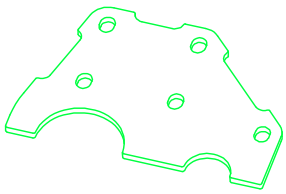
DIESEL COMPATIBLE PARTS SHOWN IN GREEN



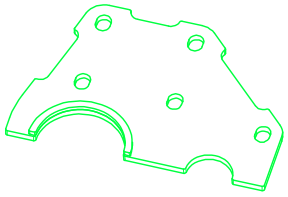
**MB1178 - Weldment, Filler Clamp 01 - Gas**
**Qty 1**



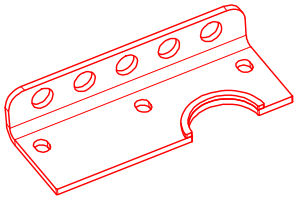
**MB1178-36**
**Underside Plate 01 - Gas**
**Qty 1**



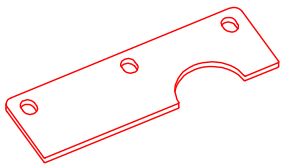
**MB1178-13**
**Underside Plate 03 - Diesel**
**Qty 1**



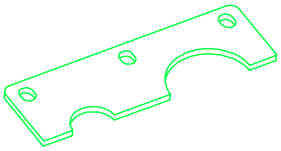
**MB1178 - Weldment, Filler Clamp 03 - Diesel**
**Qty 1**



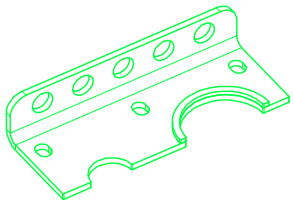
**MB1178 - Weldment, Filler Clamp 02 - Gas**
**Qty 1**



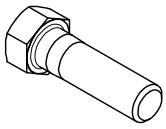
**MB1178-35**
**Underside Plate 02 - Gas**
**Qty 1**



**MB1178-34**
**Underside Plate 04 -Diesel**
**Qty 1**



**MB1178 - Weldment, Filler Clamp 04 - Diesel**
**Qty 1**



**Hex Bolt**
**3/8"-16 x 1.50"**
**Qty 8**



**Flat Washer**
**3/8"**
**Qty 16**

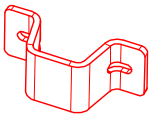


**Nylock Nut**
**3/8"-14**
**Qty 8**

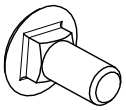
GASOLINE COMPATIBLE PARTS SHOWN IN RED

BAG LABELED AS
## 1178-KIT13

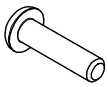
DIESEL COMPATIBLE PARTS SHOWN IN GREEN



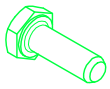
**MB1178-15**
**Nozzle Clamp 01 - Gas**
**Qty 1**



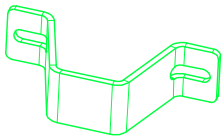
**Carriage Bolt**
**5/16" x 0.75"**
**Qty 2**



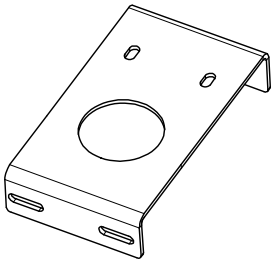
**Hex Button Head Screw**
**#10-24 x 0.75"**
**Qty 2**



**Hex Bolt**
**1/4"-20 x 0.75"**
**Qty 5**



**MB1178-40**
**Nozzle Clamp 02 - Diesel**
**Qty 1**



**MB1178-16**
**Mounting Plate Clamp**
**(common to both Gas & Diesel)**
**Qty 1**



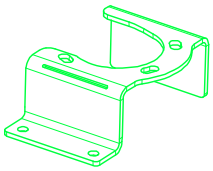
**Flat Washer**
**5/16"**
**Qty 2**



**Flat Washer**
**M6**
**Qty 2**



**Flat Washer**
**1/4"**
**Qty 10**



**MB1178-39**
**Nozzle Clamp 03 - Diesel**
**Qty 1**



**Nylock Nut**
**5/16"-18**
**Qty 2**



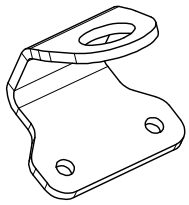
**Nylock Nut**
**#10-24**
**Qty 2**



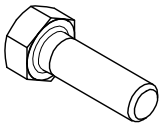
**Nylock Nut**
**1/4"-20**
**Qty 5**

# MB1178 - Assembly JT Gladiator Bobbed Bed

BAG LABELED AS
## 1178-KIT14



**MB1178-21**
**Qty 2**



**Hex Bolt**
**5/16"-18 x 1.00"**
**Qty 4**

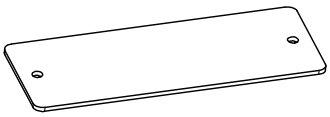


**Flat Washer**
**5/16"**
**Qty 8**

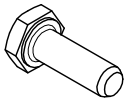


**Nylock Nut**
**5/16"-18**
**Qty 4**

BAG LABELED AS
## 1178-KIT15



**MB1178-20**
**Qty 1**



**Hex Bolt**
**1/4"-20 x 0.75"**
**Qty 2**

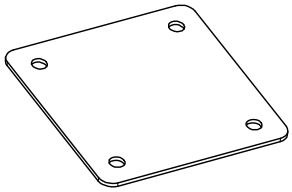


**Flat Washer**
**1/4"**
**Qty 2**

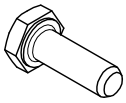


**Nylock Nut**
**1/4"-20**
**Qty 2**

BAG LABELED AS
## 1178-KIT16



**MB1178-27**
**Qty 1**



**Hex Bolt**
**1/4"-20 x 0.75"**
**Qty 4**

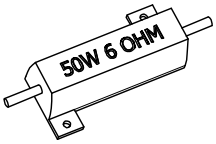


**Flat Washer**
**1/4"**
**Qty 8**

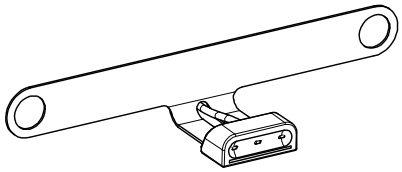


**Nylock Nut**
**1/4"-20**
**Qty 4**

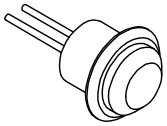
BAG LABELED AS
## 1178-KIT17



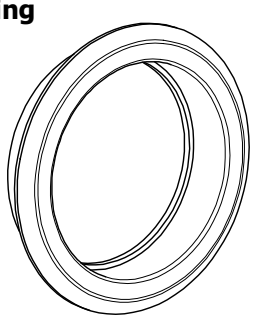

**MB5519**
**Resistor for Non-LED Wiring**
**Qty 2**



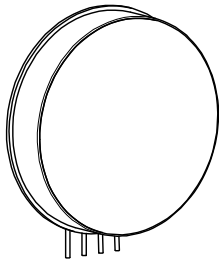
**Light, License Plate**
**Qty 1**



**Side Marker Light**
**Red Color**
**Qty 2**



**MB6502**
**Grommet**
**Qty 2**

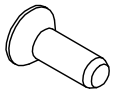


**MB6502**
**LED Tail Light**
**Qty 2**

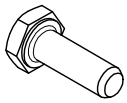
# MB1178 - Assembly JT Gladiator Bobbed Bed

BAG LABELED AS

## 1178-SPARES



**Countersunk Screw**
**1/4"-20 x 0.75"**
**Qty 6**



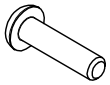
**Hex Bolt**
**1/4"-20 x 0.75"**
**Qty 6**



**Flat Washer**
**1/4"**
**Qty 6**



**Nylock Nut**
**1/4"-20**
**Qty 6**



**Hex Button Head Screw**
**#10-24 x 0.75"**
**Qty 6**

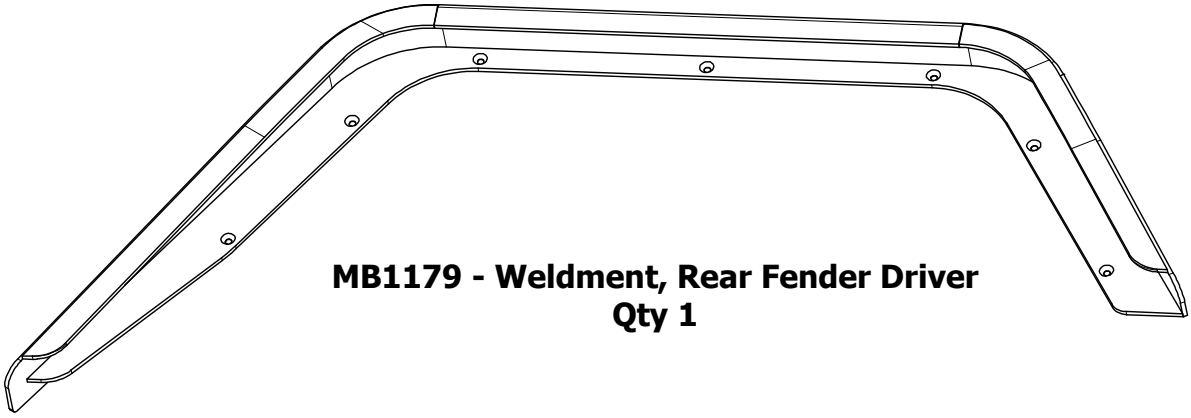


**Nylock Nut**
**#10-24**
**Qty 6**

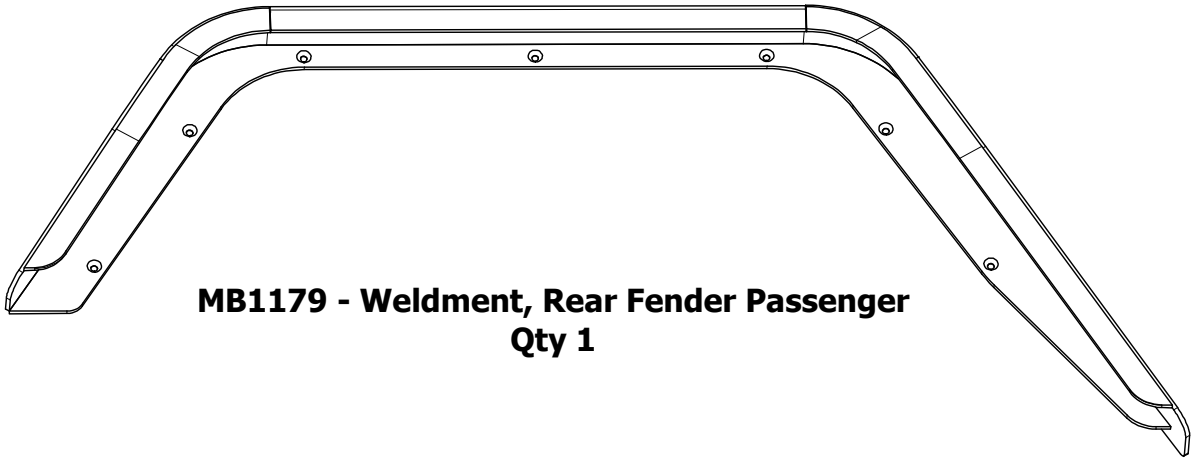


**Hex Button Head Screw**
**1/4"-20 x 0.50"**
**Qty 6**

# MB1179 - Assembly Rear Fenders

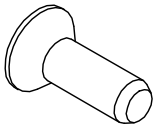


**MB1179 - Weldment, Rear Fender Driver**
**Qty 1**

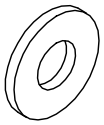


**MB1179 - Weldment, Rear Fender Passenger**
**Qty 1**

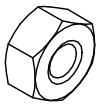
BAG LABELED AS
**1179**



**Countersunk Screw**
**1/4"-20 x 0.75" Long**
**Qty 14**

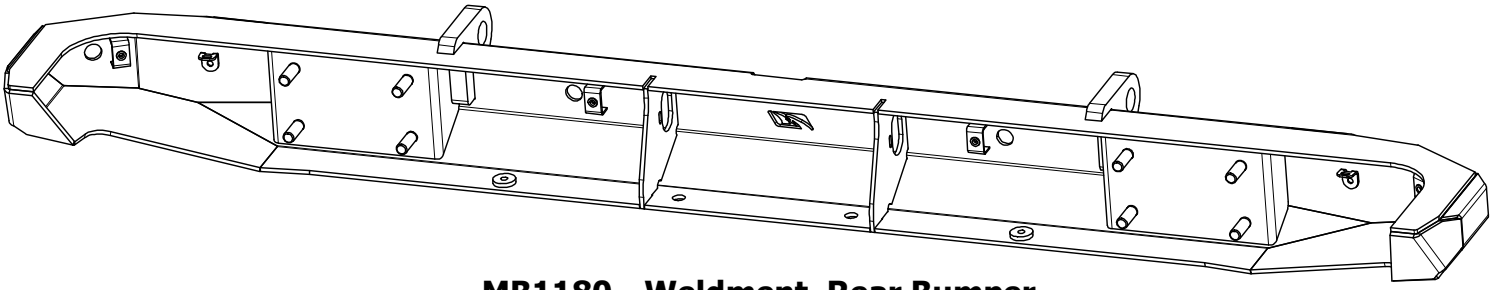


**Flat Washer**
**1/4"**
**Qty 14**

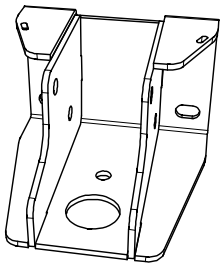


**Nylock Nut**
**1/4"-20**
**Qty 14**

# MB1180 - Assembly Rear Bumper

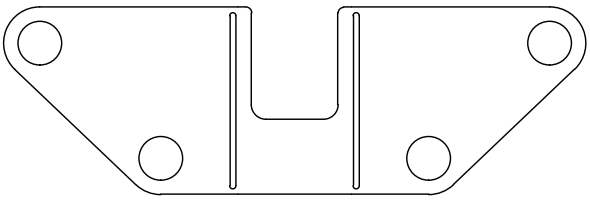


**MB1180 - Weldment, Rear Bumper**
**Qty 1**

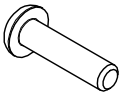


**MB1180 - Weldment, Frame Mount**
**Qty 2**

BAG LABELED AS
**1180**



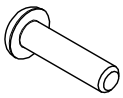
**MB1180-12**
**Qty 2**



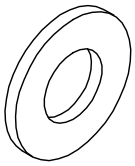
**Hex Button Head Screw #10-24 x 0.75"**
**Qty 4**



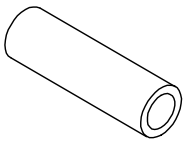
**M4x10mm Screw**
**Qty 2**



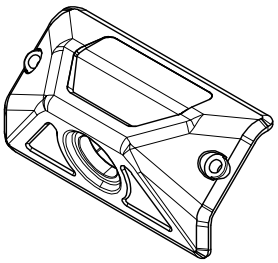
**Button Head Screw #10-24 x 3/4"**
**Qty 2**



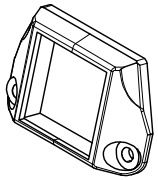
**Flat Washer 1/2"**
**Qty 20**



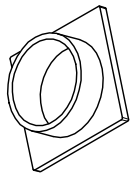
**MB1180-Tube 01**
**Qty 4**



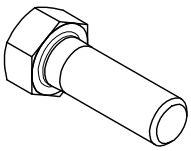
**MB8000-01**
**Qty 1**



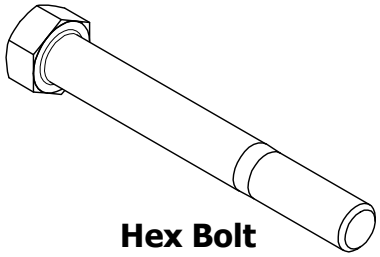
**MB8000-02**
**Qty 1**



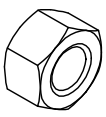
**MB8000-03**
**Qty 1**



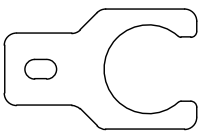
**Hex Bolt 1/2"-13 x 1.50"**
**Qty 2**



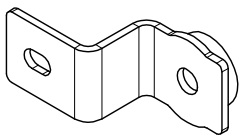
**Hex Bolt 1/2"-13 x 4.00"**
**Qty 4**



**Nylock Nut 1/2"-13**
**Qty 14**



**MB2117-01**
**Qty 4**



**MB2145 Park Sensor Blank Off**
**Qty 4**

# PREPARATION

### Cleaning/Paint/Finishing

All Motobilt parts are shipped as raw (unfinished) steel. A light coating of anti-corrosion oil may be present on all manufactured parts to prevent corrosion during shipping. Apply acetone to all steel parts & thoroughly clean before applying paint.

We recommend to paint or powder coat all steel parts prior to installation.

### Factory Gladiator Bed Removal

1. Disconnect negative battery terminal.

2. Disconnect all wiring connecting rear bumper & bed to the frame. Unplug tail light connections at the frame, driver side rear above the tire & passenger side rear above the tire.

3. Remove factory rear bumper. If equipped, remove all sensors & wiring harness from inside the rear bumper.

4. Using a 15mm socket & socket extension, remove six (6) factory bolts that secure the factory bed to the frame. There are four (4) bolts behind the axle inside the frame tube. There are two (2) bolts in front of the axle inboard of the frame tube.

5. Unhook the fuel filler hose, breather hose & electrical connections from beneath the fuel fill cap location.

6. Due the weight of the factory Gladiator bed, you may need four (4) or more people to manually lift the bed off the frame. If using a forklift or crane, use approved slings & safe lifting practices to ensure everyone's safety during bed removal. You may need to lift the bed at an angle, rather than lifting straight up vertically, to avoid contact with the cab.

7. With the factory bed safely removed from the frame, remove all remaining wiring harnesses from the bed.

8. If equipped, remove the 120 volt receptacle from the factory bed.

9. If equipped, remove the factory rear camera from the tail gate.

10. Protect the cab, all painted areas & all glass using a fireproof (or welders) blanket or similar.

11. Seal & protect all open fuel hoses or connections from open flame or sparks.

### Sensor Compatibilty (if equipped)

The MB1178 Gladiator Bobbed Bed Kit is designed to **NOT** work with the blind spot sensors located in the tail llights. If your Gladiator is equipped with blind spot sensors in the tail light housing, they can be programmed to be turned off by using an aftermarket programmer.

The optional MB1180 Gladiator Rear Bumper **IS** designed to reuse the park assist sensors in the factory rear bumper.

**If Side Marker Lights are required in your area, see page (43)**

# FRAME MODIFICATION

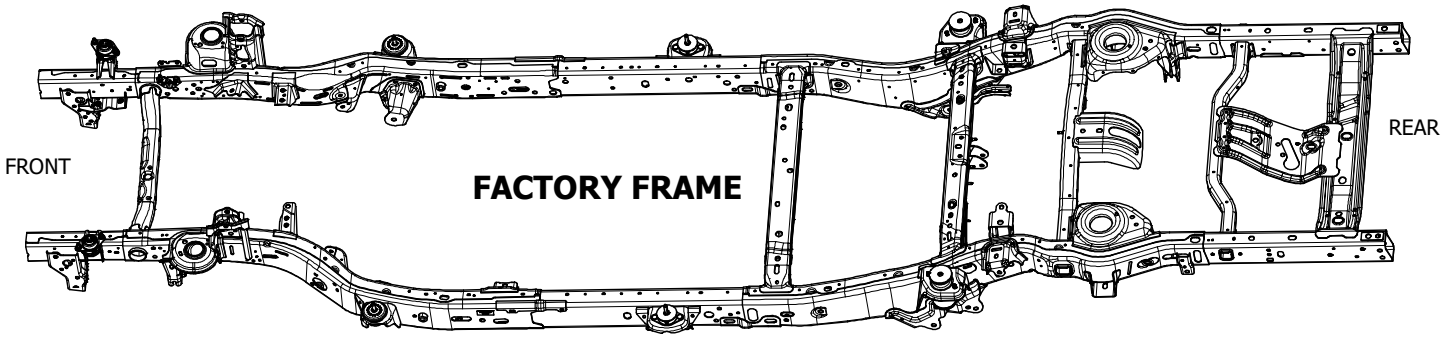
**This installation requires a permanent modification to the rear frame, wiring, tail lights, sensors, rear camera, weight distribution & handling of the vehicle. Consult your local laws & insurance company before making these modifications.**

**The function of this kit is to permanently shorten the bed length & cut off the rear frame to increase the rear departure angle of the vehicle.**

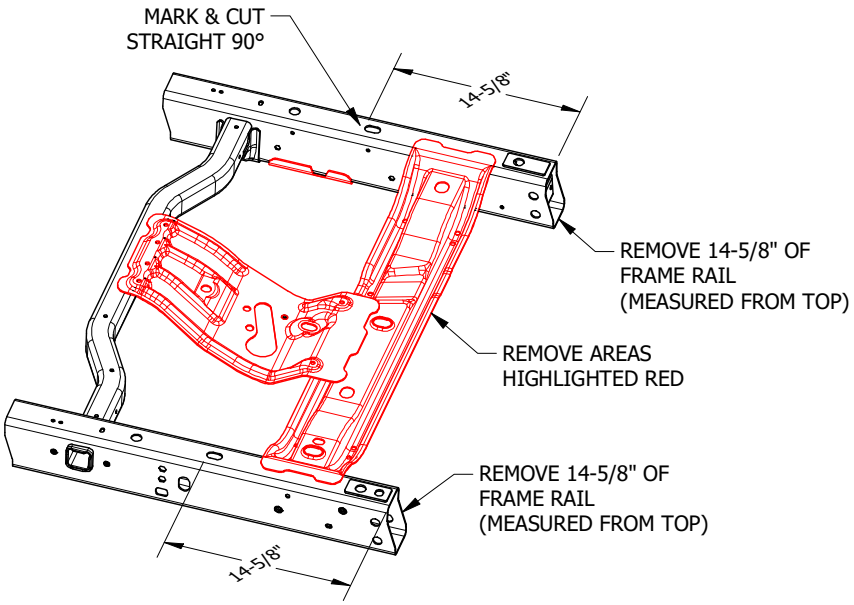
**You will not be able to return your vehicle back to stock after this modification.**

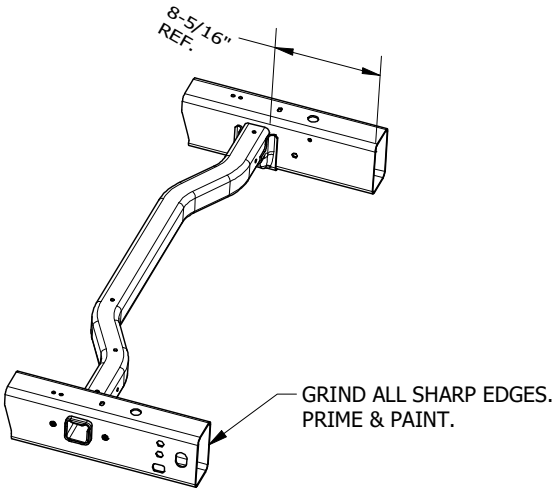
Included with your kit is our MB1180 Gladiator Rear Bumper that was specifically designed to work with the new Gladiator Bed.

The dimensions & procedure shown here for the cutting & removal of the rear portion of the frame are **very specific to our MB1180 Gladiator Rear Bumper.** The frame will be cut so the frame sits approximately 1/4"-1/2" inset of the new MB1178 Bed Body.




**FACTORY FRAME**

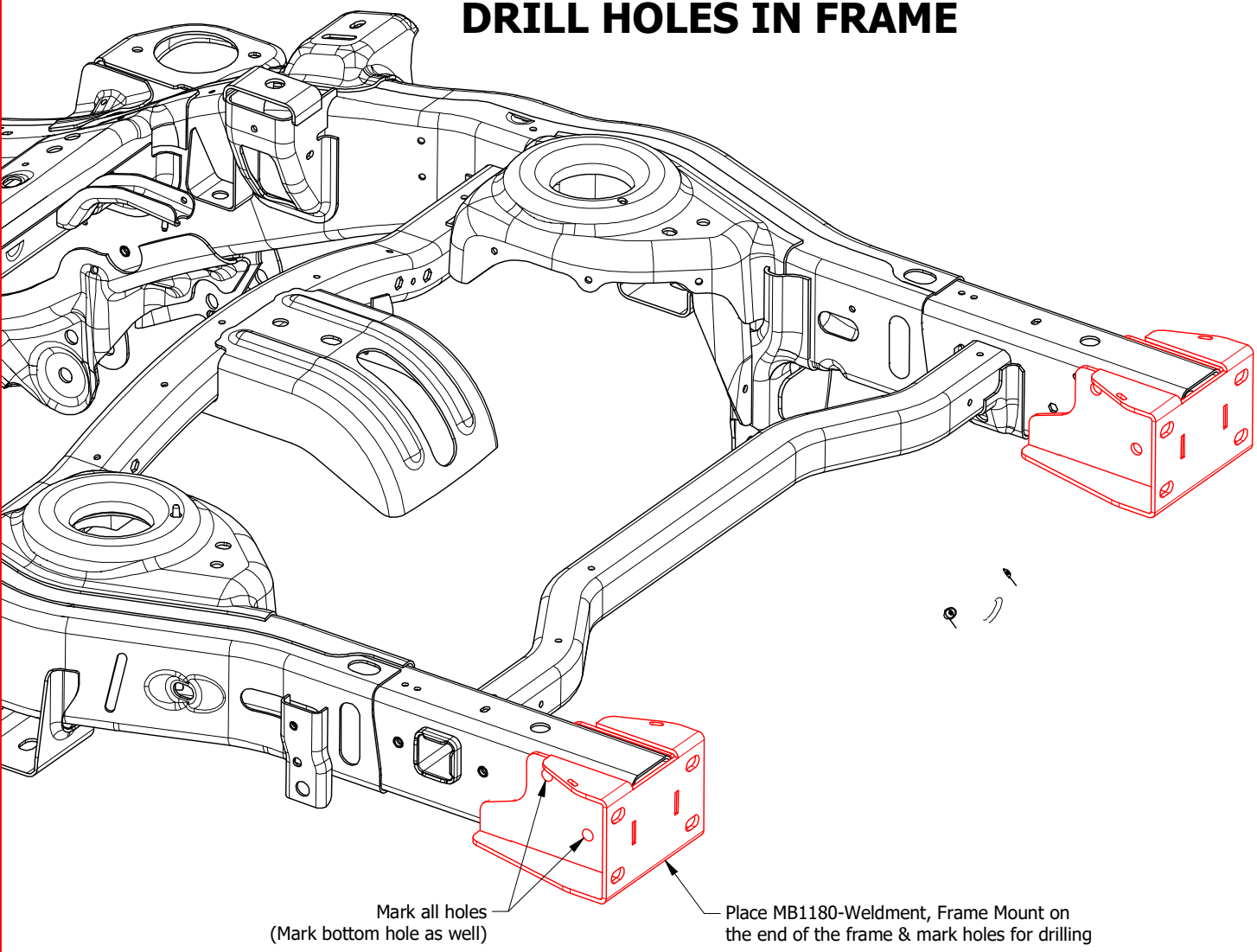



**AFTER FRAME CHOP**

# MB1178 - Assembly JT Gladiator Bobbed Bed

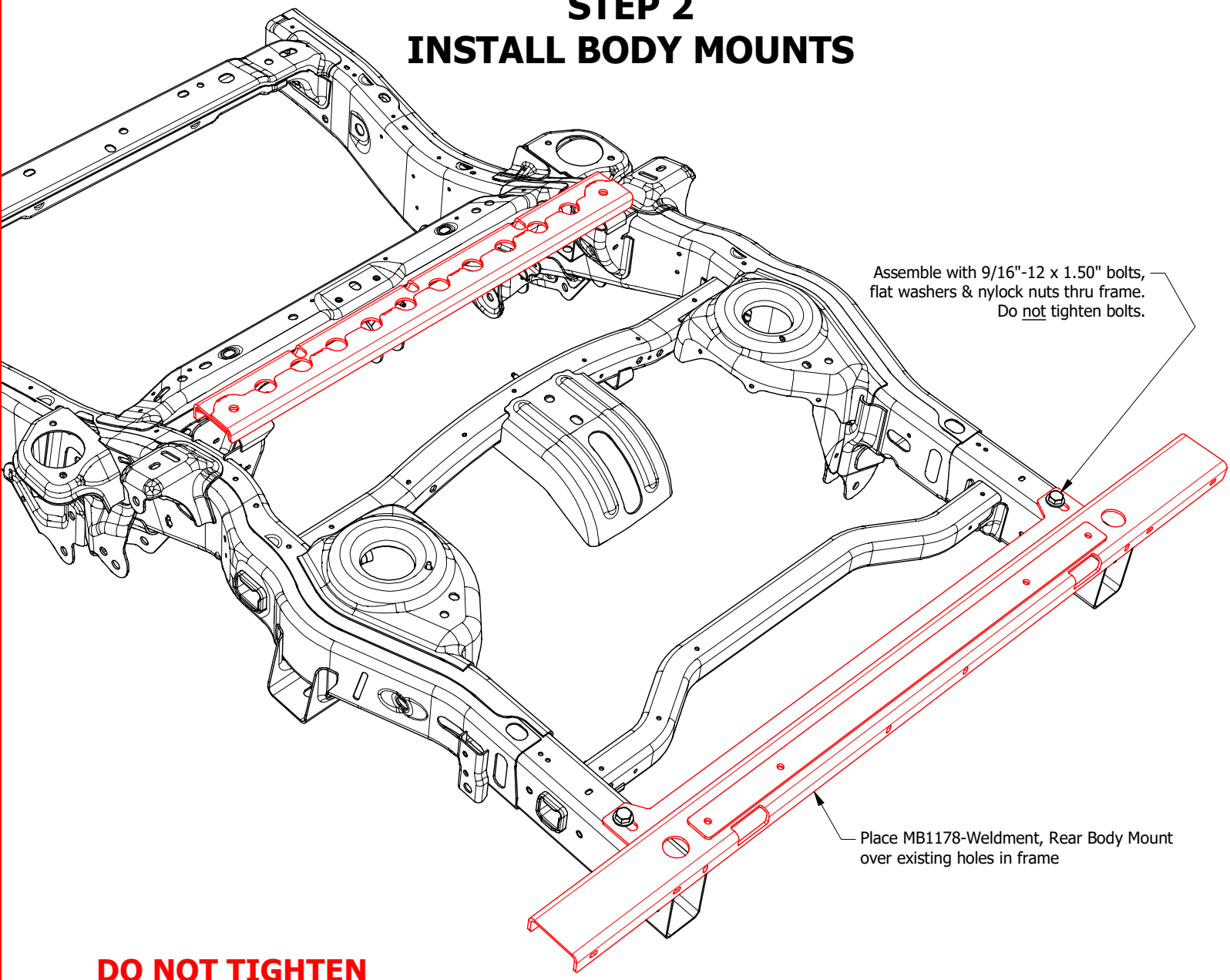
## STEP 1
## DRILL HOLES IN FRAME



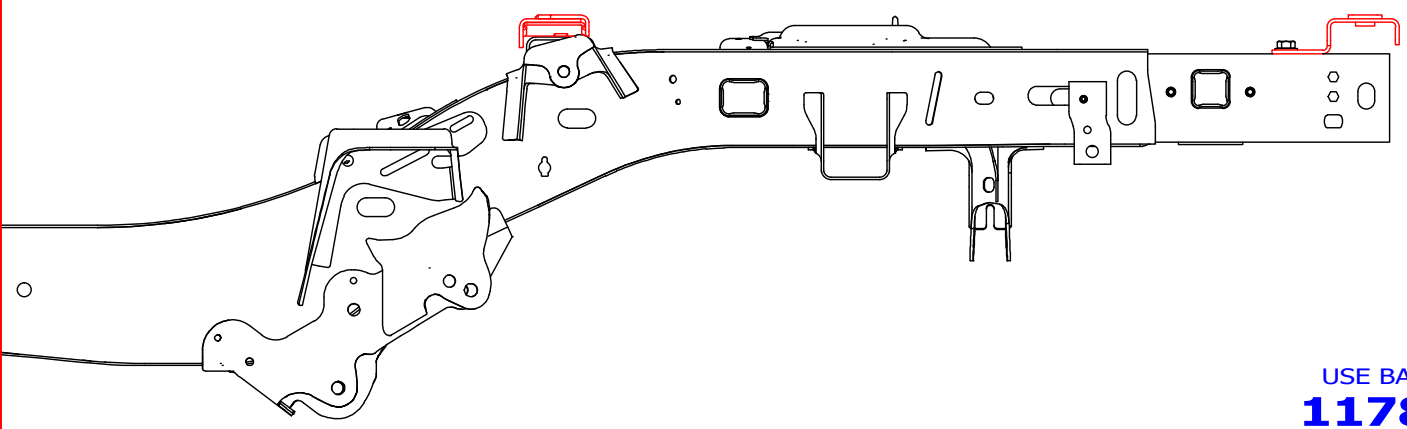

After marking all holes, remove MB1180-Weldment Frame Mounts. Drill all holes to 1/2" diameter. Check fitment after drilling & ream as necessary. Remove brackets after fitting.

# MB1178 - Assembly JT Gladiator Bobbed Bed

## STEP 2
## INSTALL BODY MOUNTS



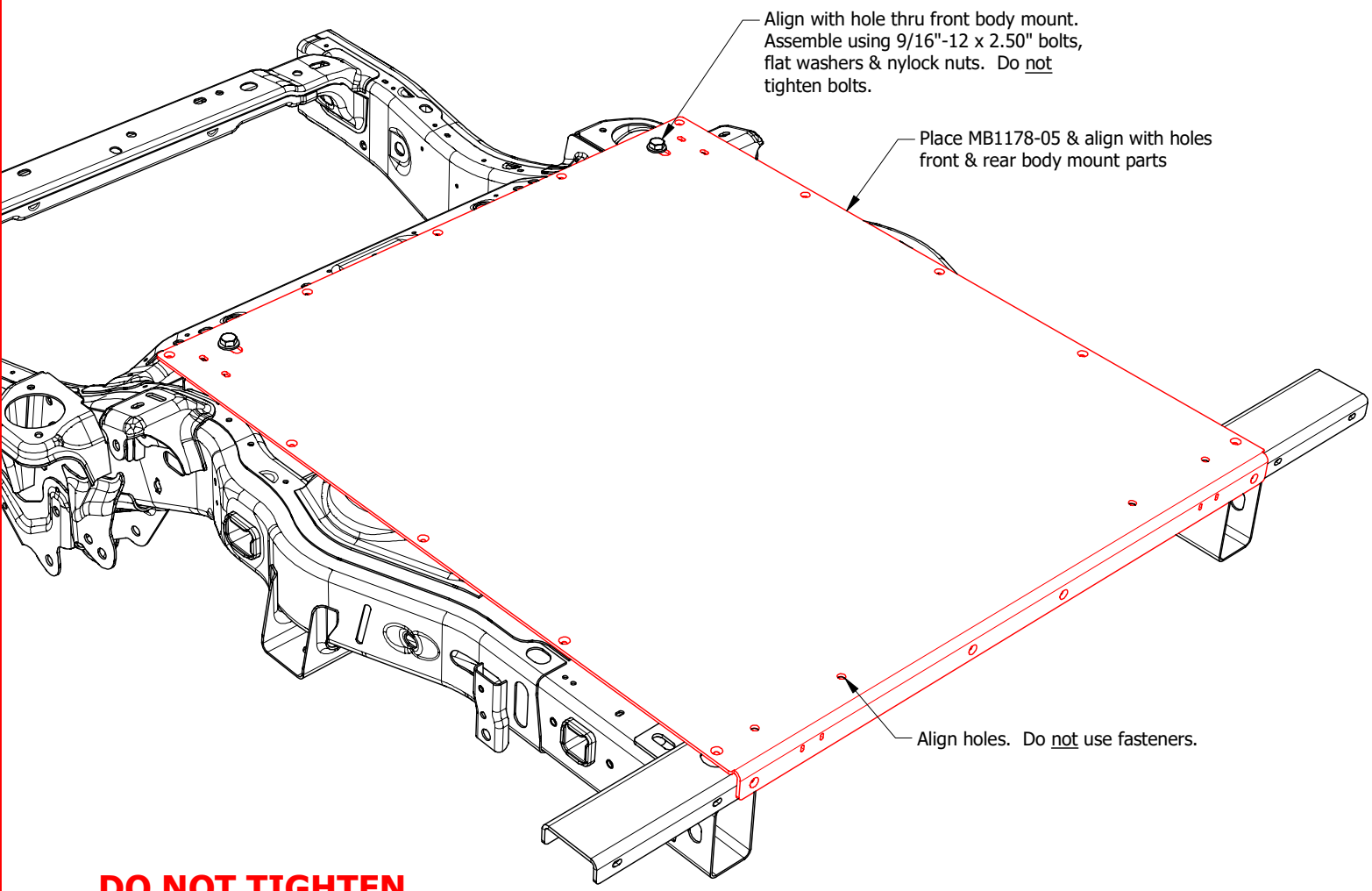

**DO NOT TIGHTEN FASTENERS**



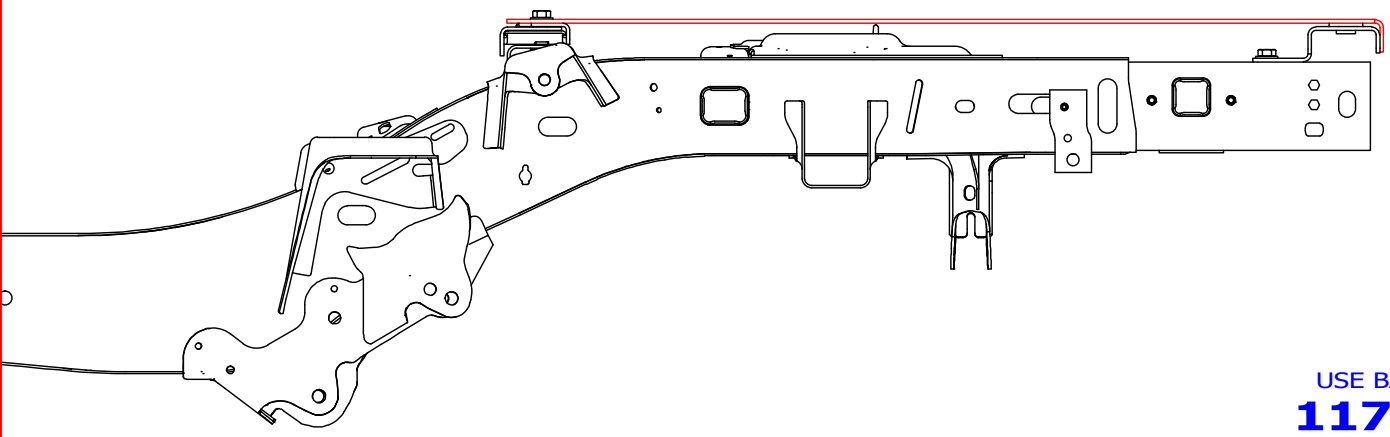
USE BAG LABELED AS
**1178-KIT01**

# MB1178 - Assembly JT Gladiator Bobbed Bed

## STEP 3
## INSTALL FLOOR PLATE



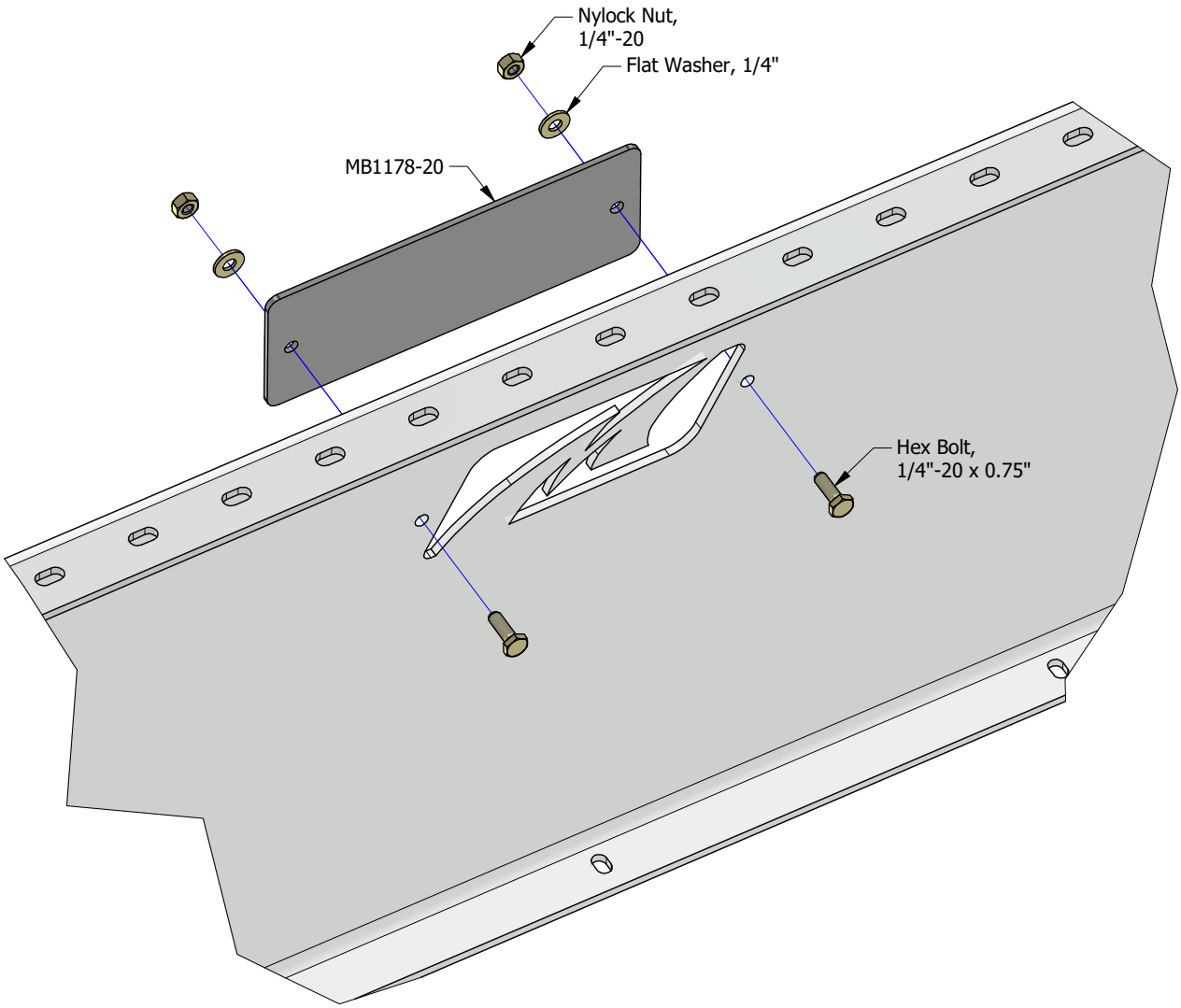

**DO NOT TIGHTEN FASTENERS**



USE BAG LABELED AS
**1178-KIT01**

# MB1178 - Assembly JT Gladiator Bobbed Bed

## STEP 4
## PRE-ASSEMBLE LOGO PLATE



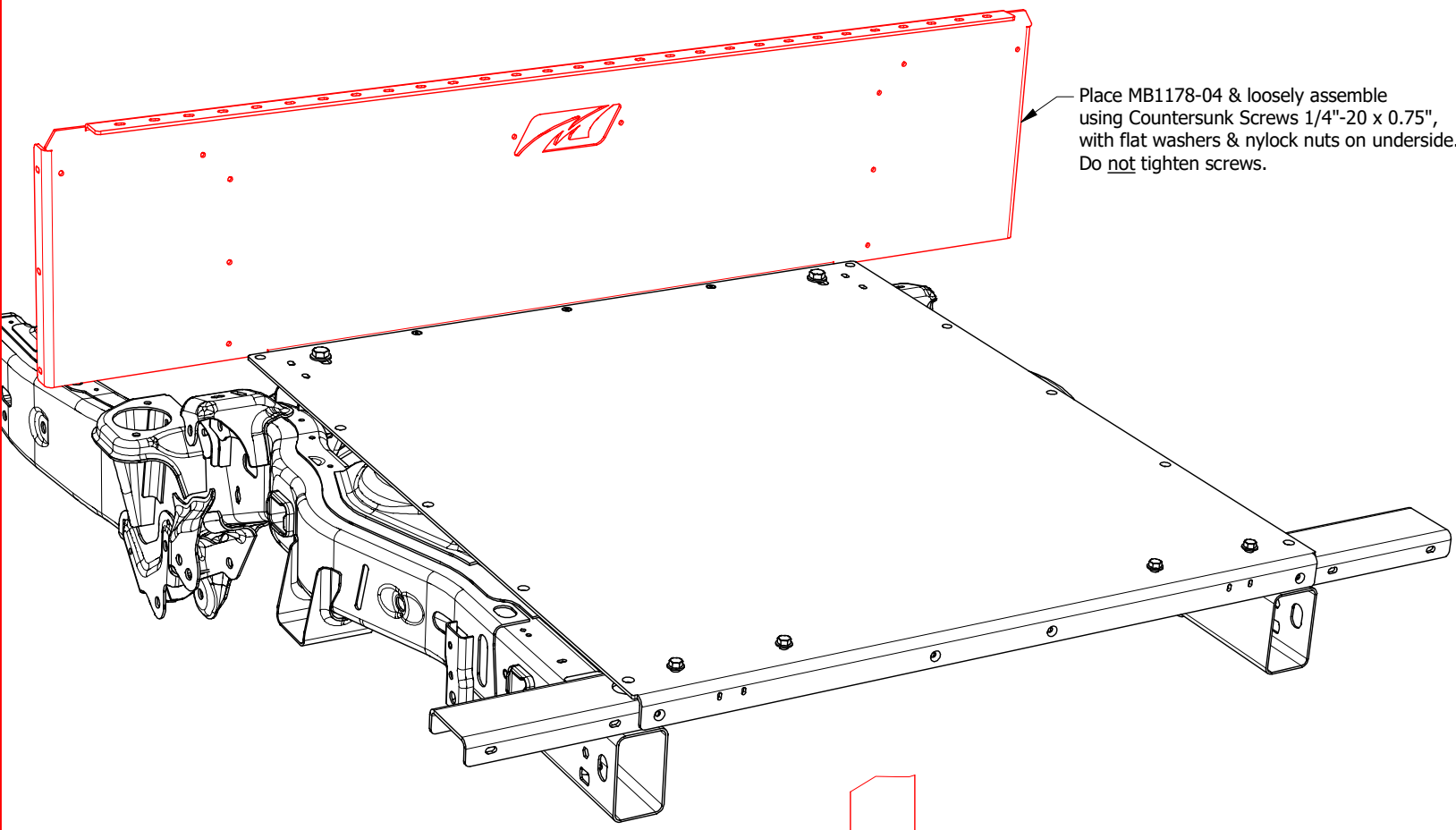

**LOGO BACKING PLATE ASSEMBLY**

**TIGHTEN FASTENERS**

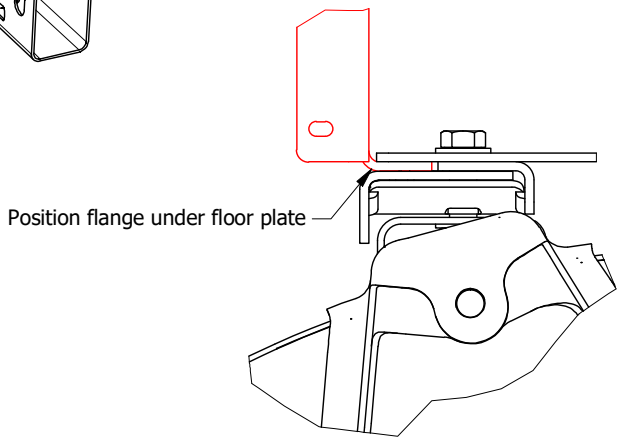
USE BAG LABELED AS
**1178-KIT15**

# MB1178 - Assembly JT Gladiator Bobbed Bed

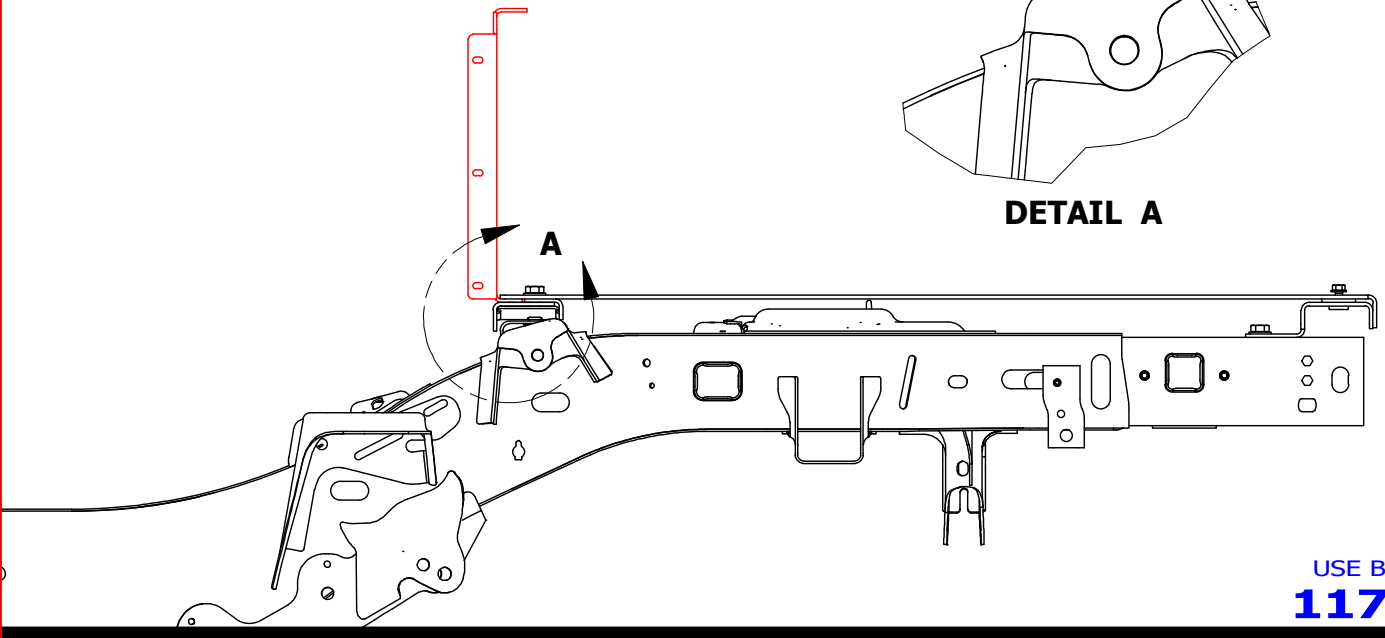
## STEP 5
## INSTALL BED BACK PANEL




**DO NOT TIGHTEN FASTENERS**




**DETAIL A**

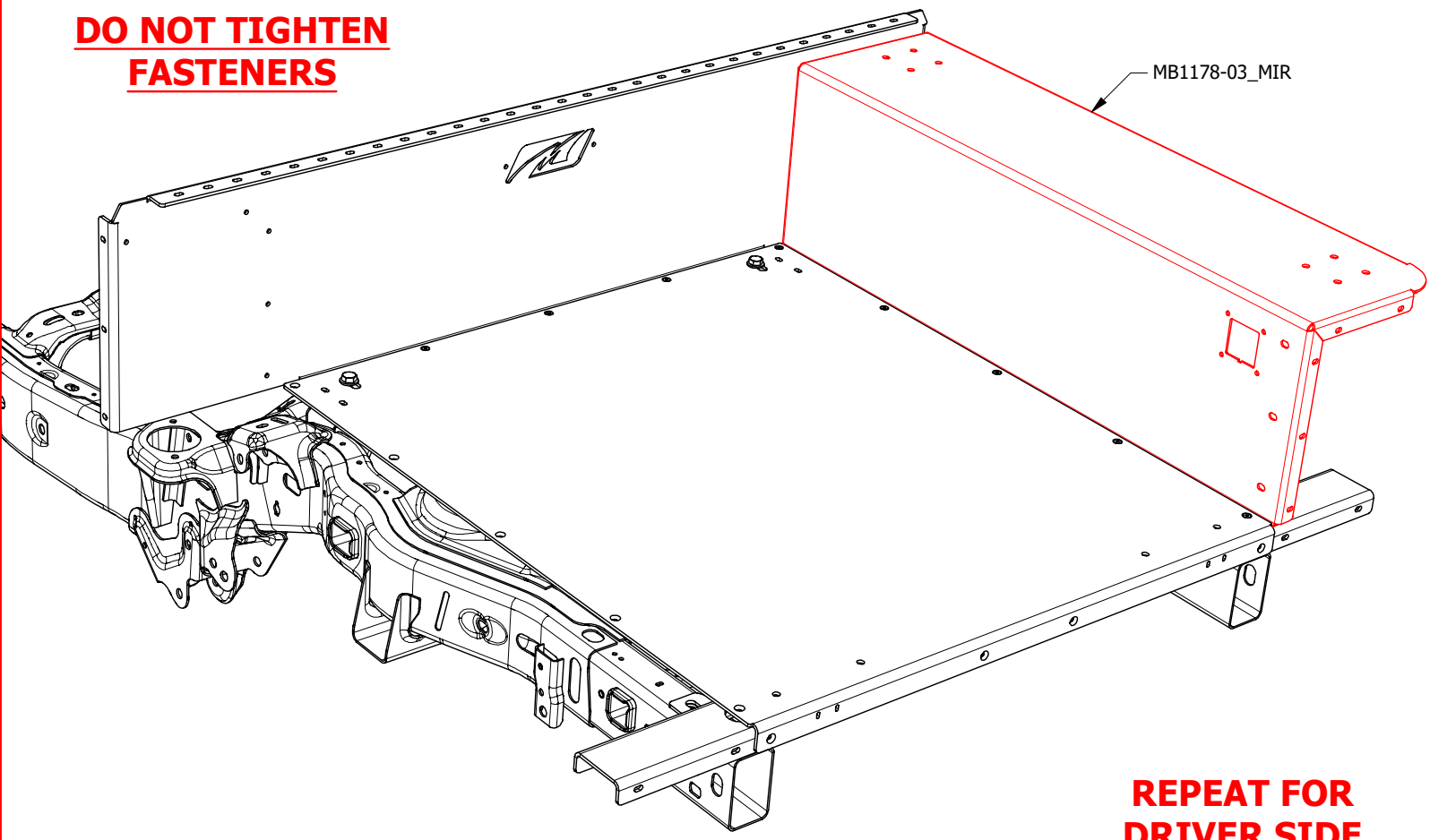



USE BAG LABELED AS
**1178-KIT02**

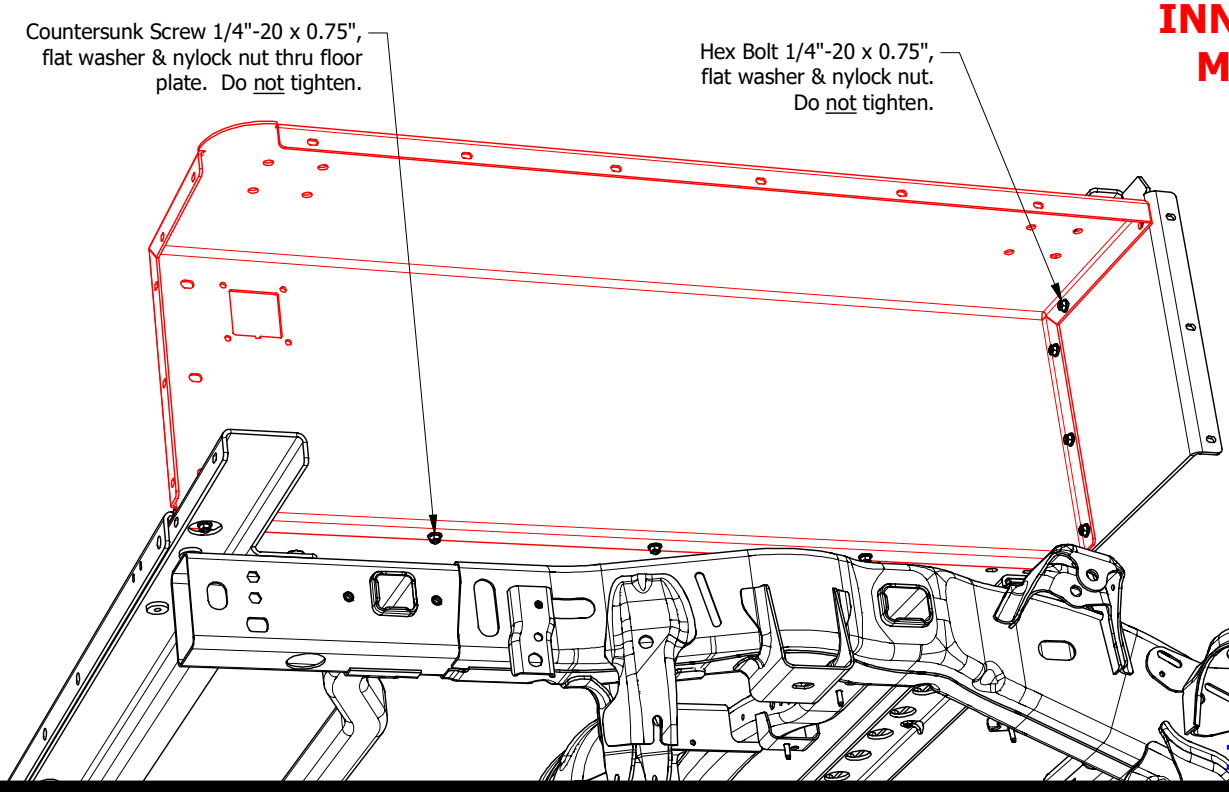
# MB1178 - Assembly JT Gladiator Bobbed Bed

## STEP 6
## INSTALL INNER FENDERS

**DO NOT TIGHTEN FASTENERS**



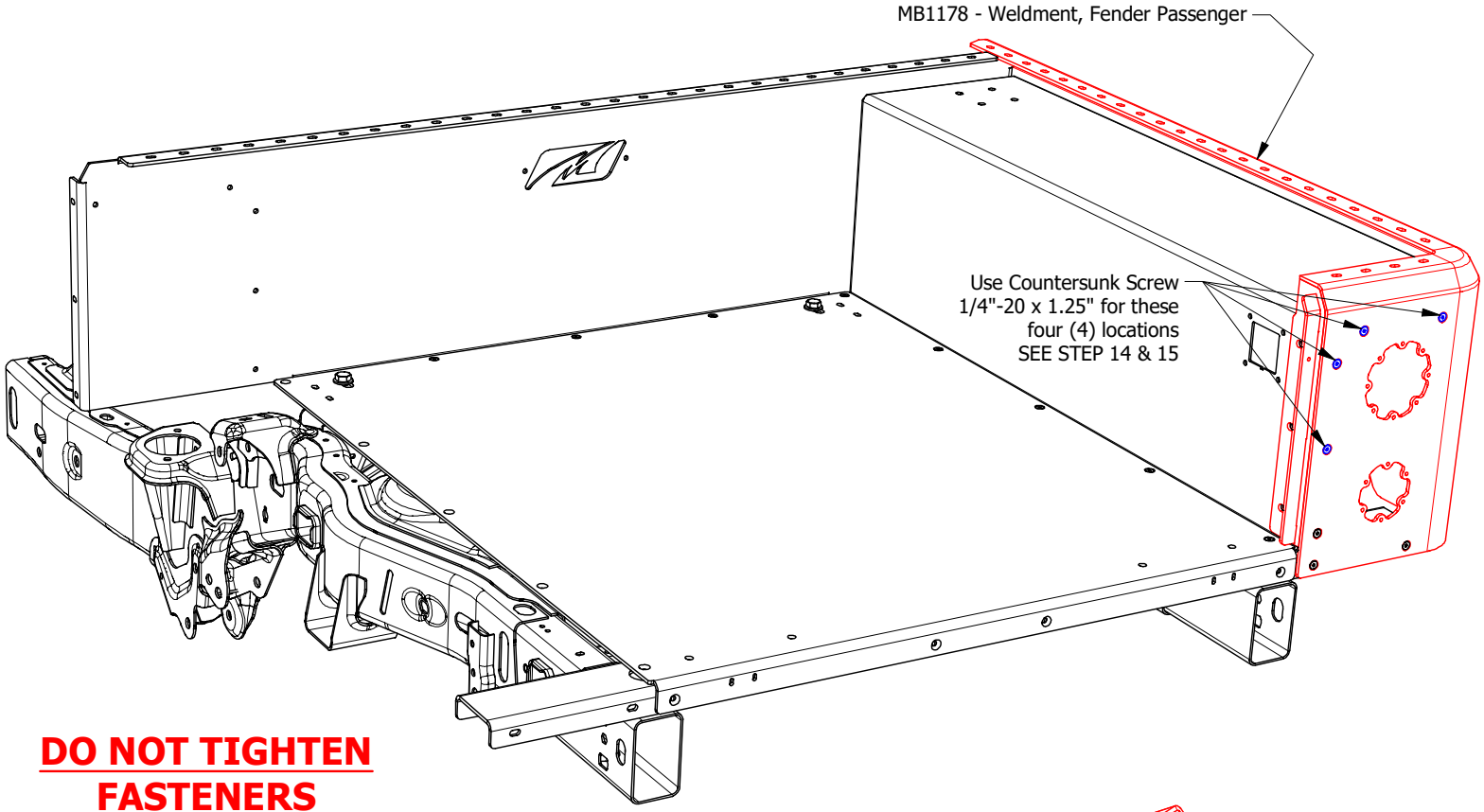

**REPEAT FOR DRIVER SIDE INNER FENDER MB1178-03**



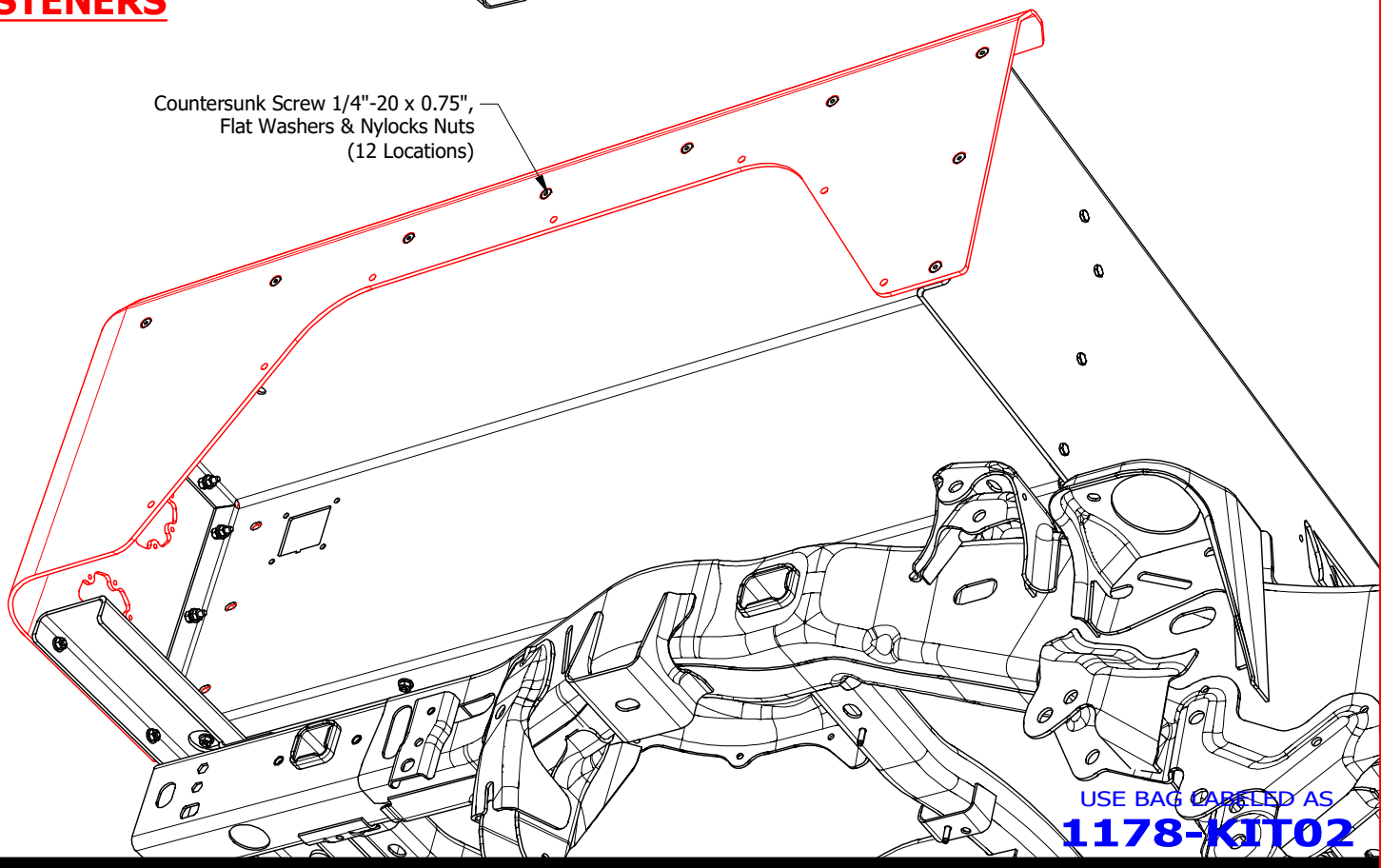

USE BAG LABELED AS
**1178-KIT02**

# MB1178 - Assembly JT Gladiator Bobbed Bed

## STEP 7
## INSTALL PASSENGER OUTER FENDER



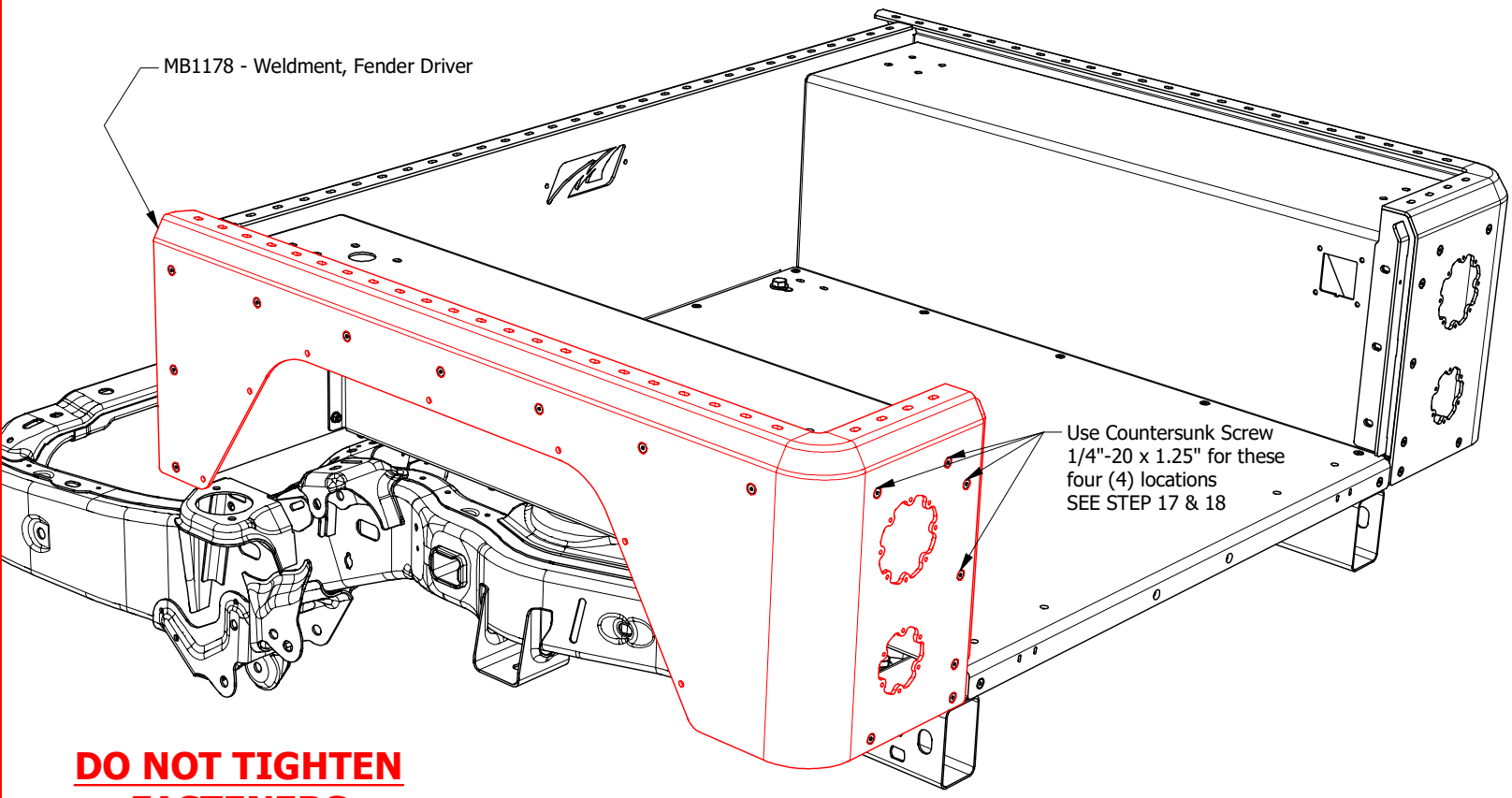

**DO NOT TIGHTEN FASTENERS**



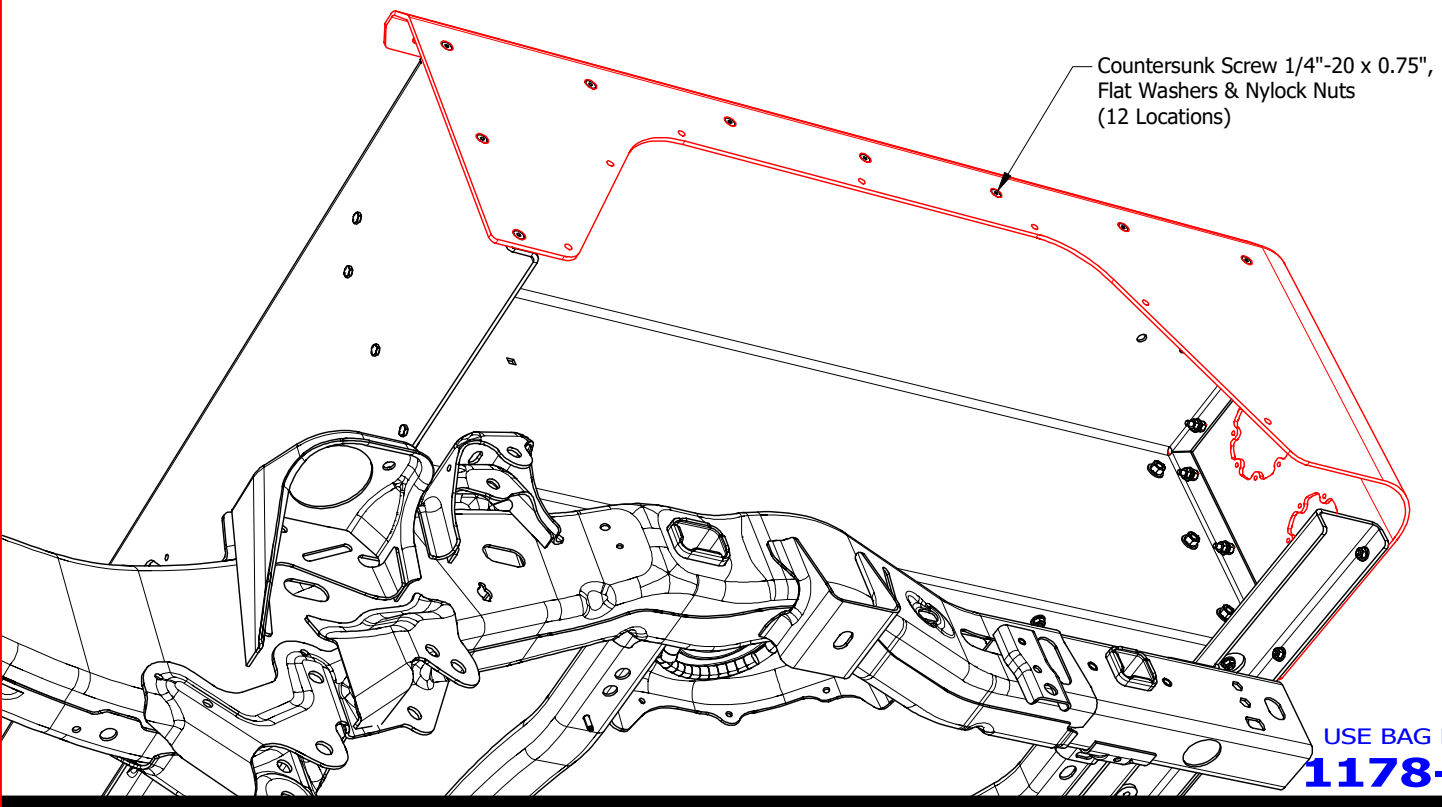

USE BAG LABELED AS
**1178-KIT02**

# MB1178 - Assembly JT Gladiator Bobbed Bed

## STEP 8
## INSTALL DRIVER OUTER FENDER



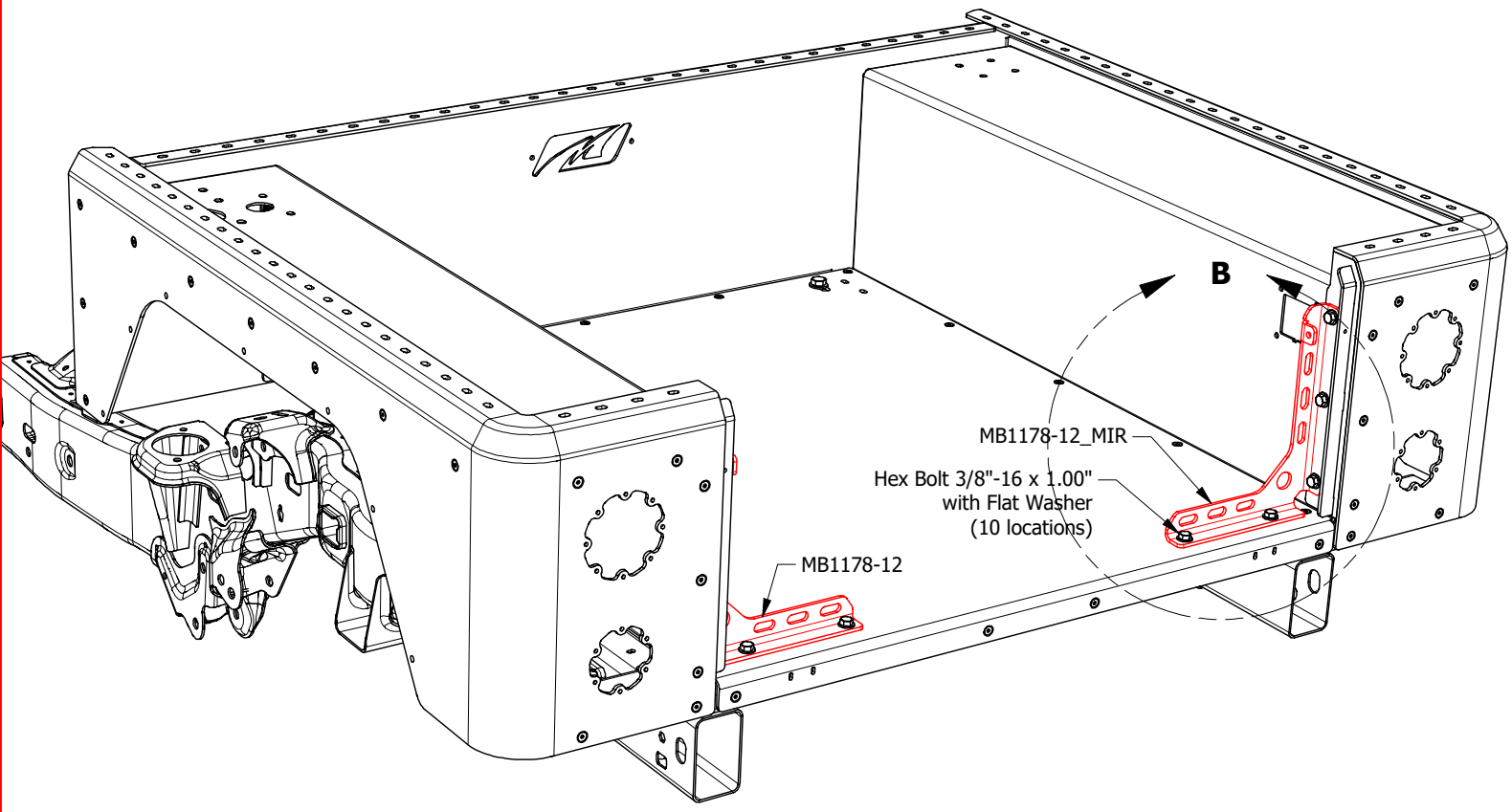

**DO NOT TIGHTEN FASTENERS**



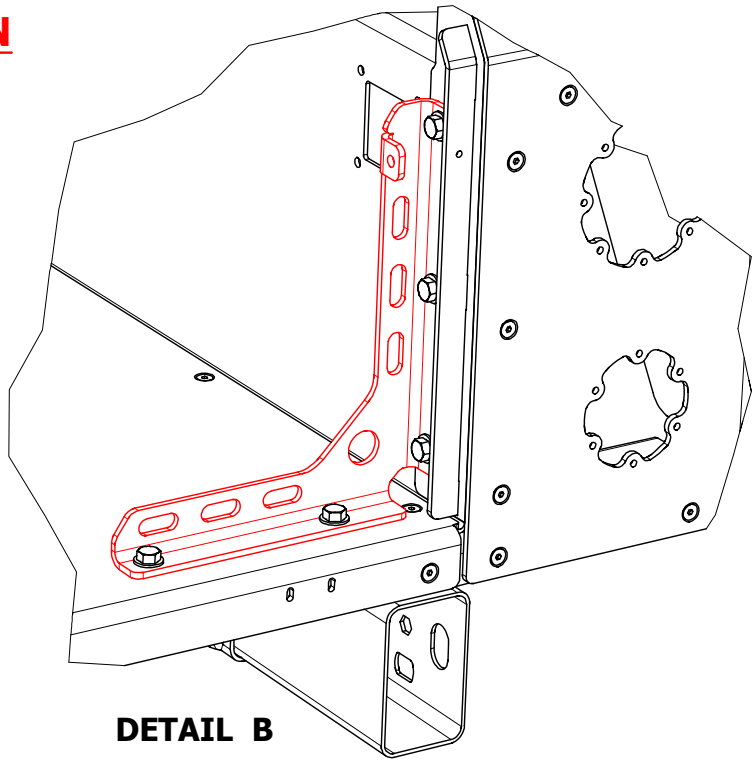

USE BAG LABELED AS
**1178-KIT02**

# MB1178 - Assembly JT Gladiator Bobbed Bed

## STEP 9
## INSTALL BED STIFFENERS



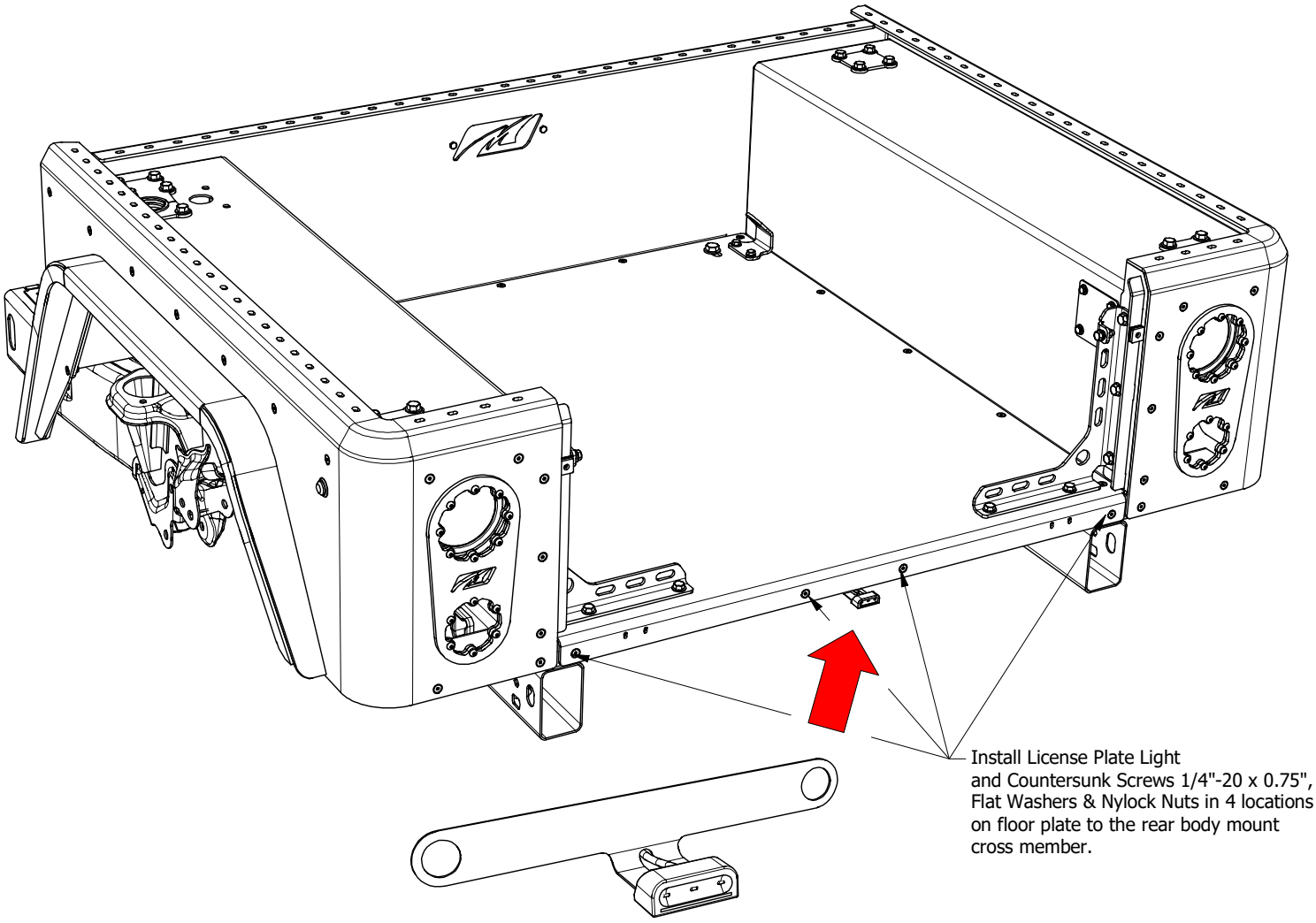

**DO NOT TIGHTEN FASTENERS**



**DETAIL B**

USE BAG LABELED AS
**1178-KIT03**

# STEP 10
# INSTALL LICENCE PLATE LIGHT




**Light, License Plate**

The License Plate Light installs under & behind the back lip of the floor plate.

USE BAG LABELED AS
**1178-KIT17**

# STEP 11
# HOW TO SQUARE THE TAILGATE OPENING

Place a ratchet strap between the tail light openings. Place a carpenters square between the floor plate & vertical plate of the outer fender. Tighten ratchet strap until square. Check both the left & right fenders for square.

Tighten the 3/8" bolts for #MB1178-12 & #MB1178-12_MIR starting with the bolts going through the floor plates, then the vertical bolts going through the outer & inner fenders.





Measure the lower inside distance between the outer fenders.



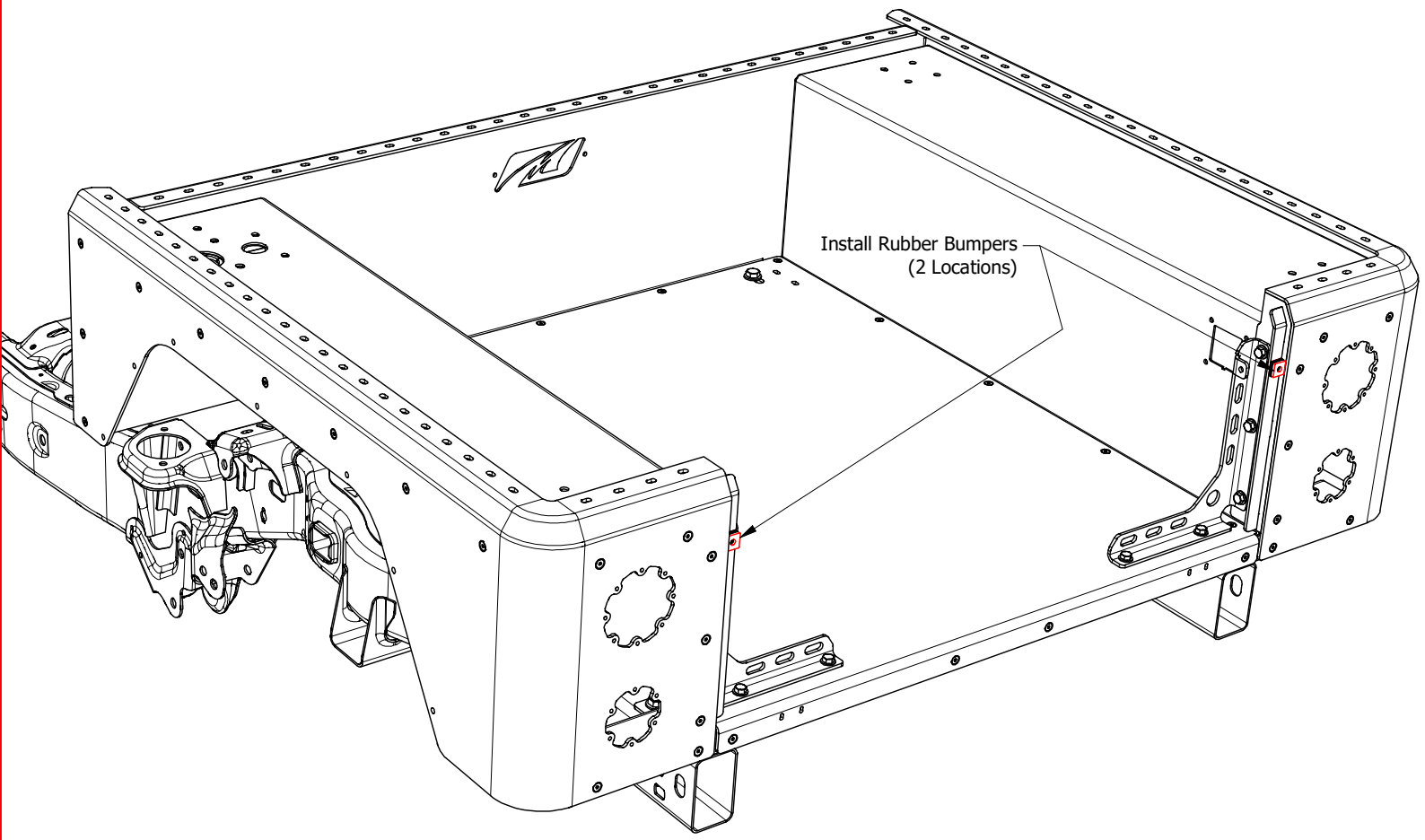
Measure the upper inside distance between the outer fenders.

If both measurements are equal & the outer fenders are square to the floor plate, then tighten all fasteners installed up to this point **EXCEPT the fasteners securing the bed to the frame.**

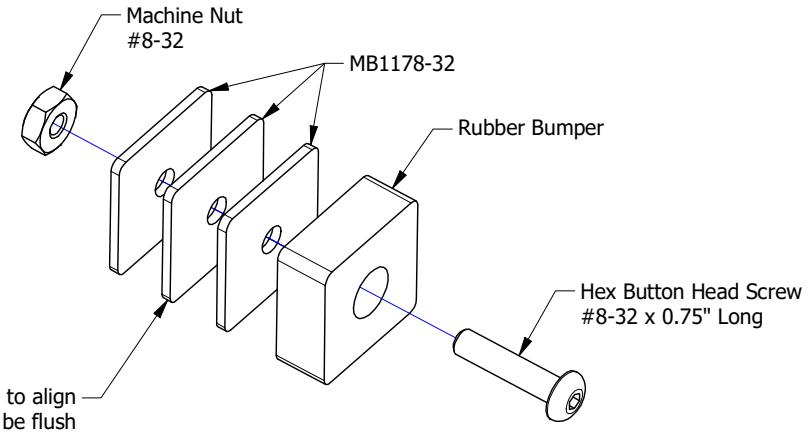
If both measurements are NOT equal, then you will need to check your squaring from above & adjust accordingly.

# MB1178 - Assembly JT Gladiator Bobbed Bed

## STEP 12
## INSTALL RUBBER BUMPERS



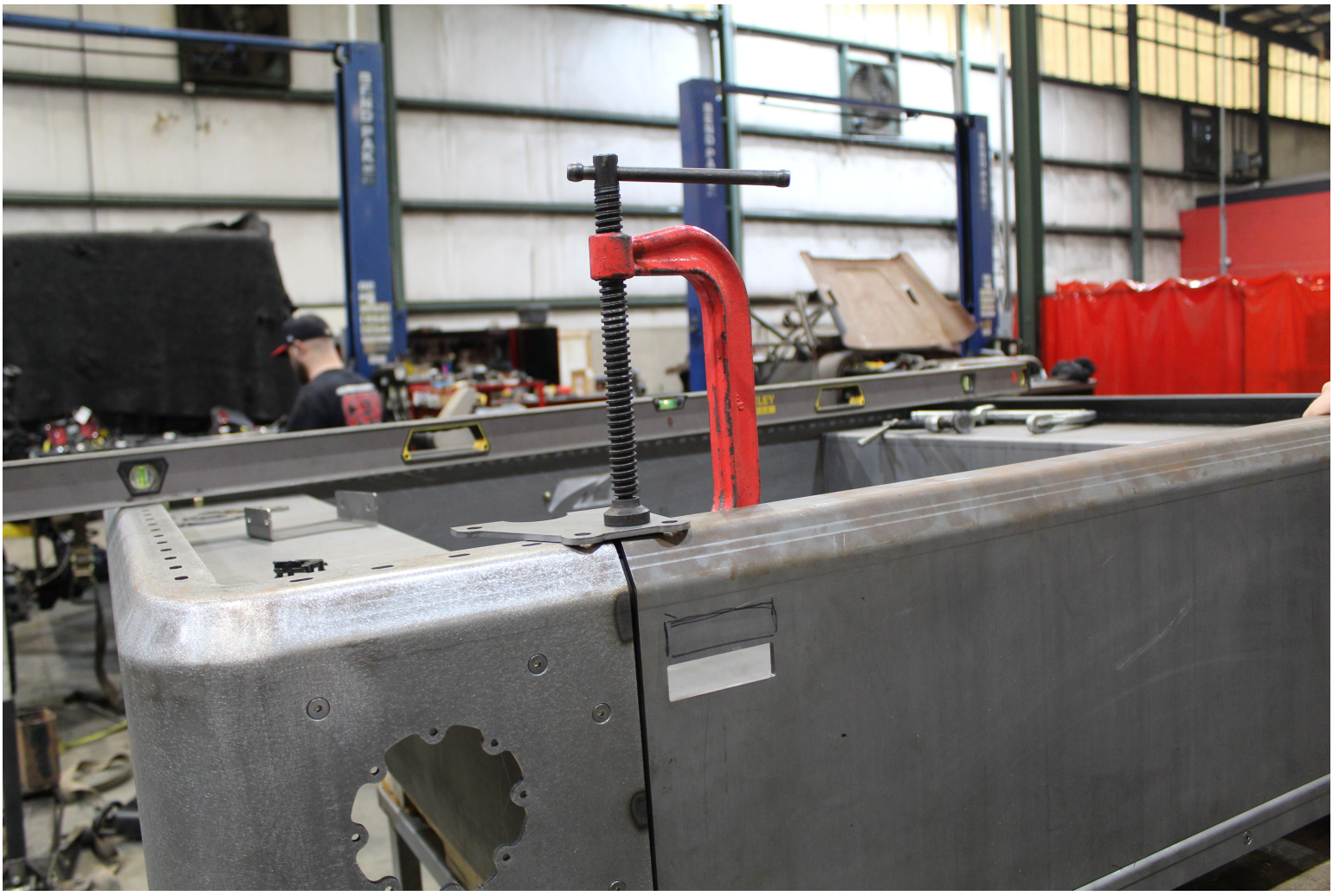

**TIGHTEN FASTENERS**




Use as many spacers as you need to align the outside edge of the tail gate to be flush with outside edge of the rear outer fenders.

USE BAG LABELED AS
**1178-KIT04**

# STEP 13
# INSTALL HINGES



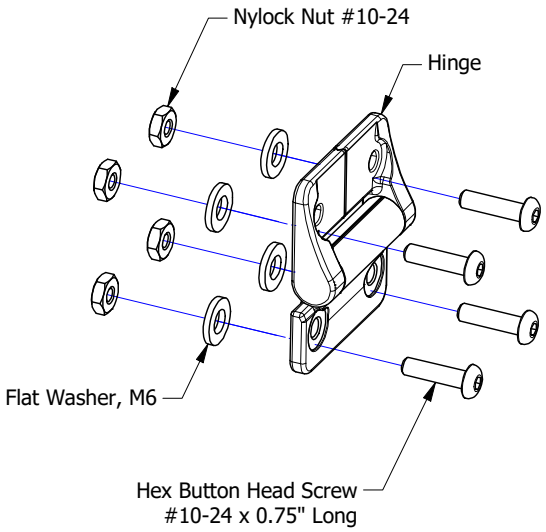
Place the Tailgate MB1178-02 in the opening. Clamp so the top edge of Tailgate is flush with the top of the outer fenders (see photo). Driver side shown. Repeat for passenger side.

Adjust the Tailgate left or right until the reveal between the Tailgate & the fenders are equal on both sides.

Install Tailgate hinges & fasteners. Tighten all fasteners for hinges.

Test function of hinges by opening the Tailgate. Adjust hinges if necceaary.

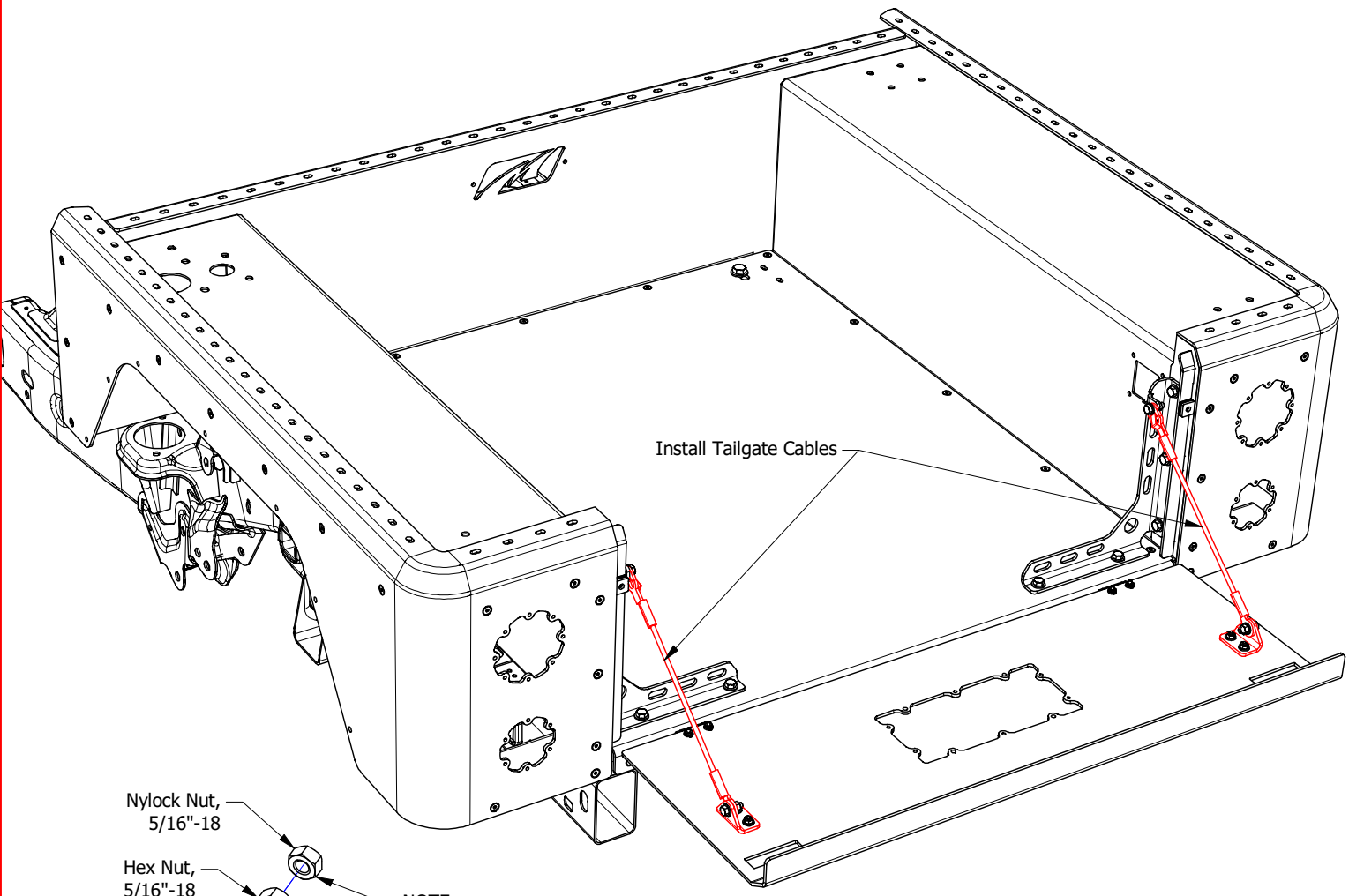
**TIGHTEN FASTENERS**

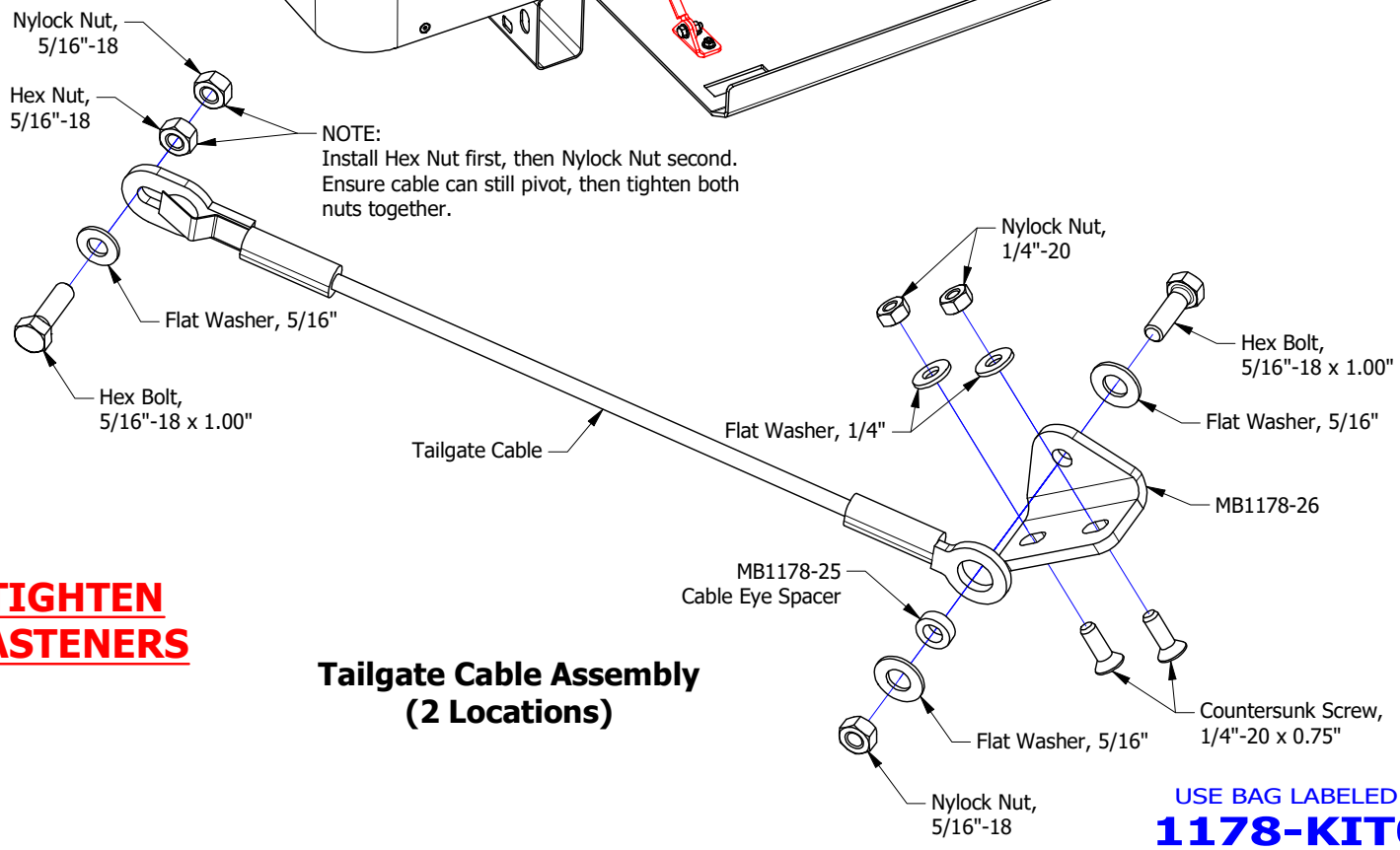



USE BAG LABELED AS
**1178-KIT05**

# MB1178 - Assembly JT Gladiator Bobbed Bed

## STEP 14
## INSTALL TAILGATE CABLES



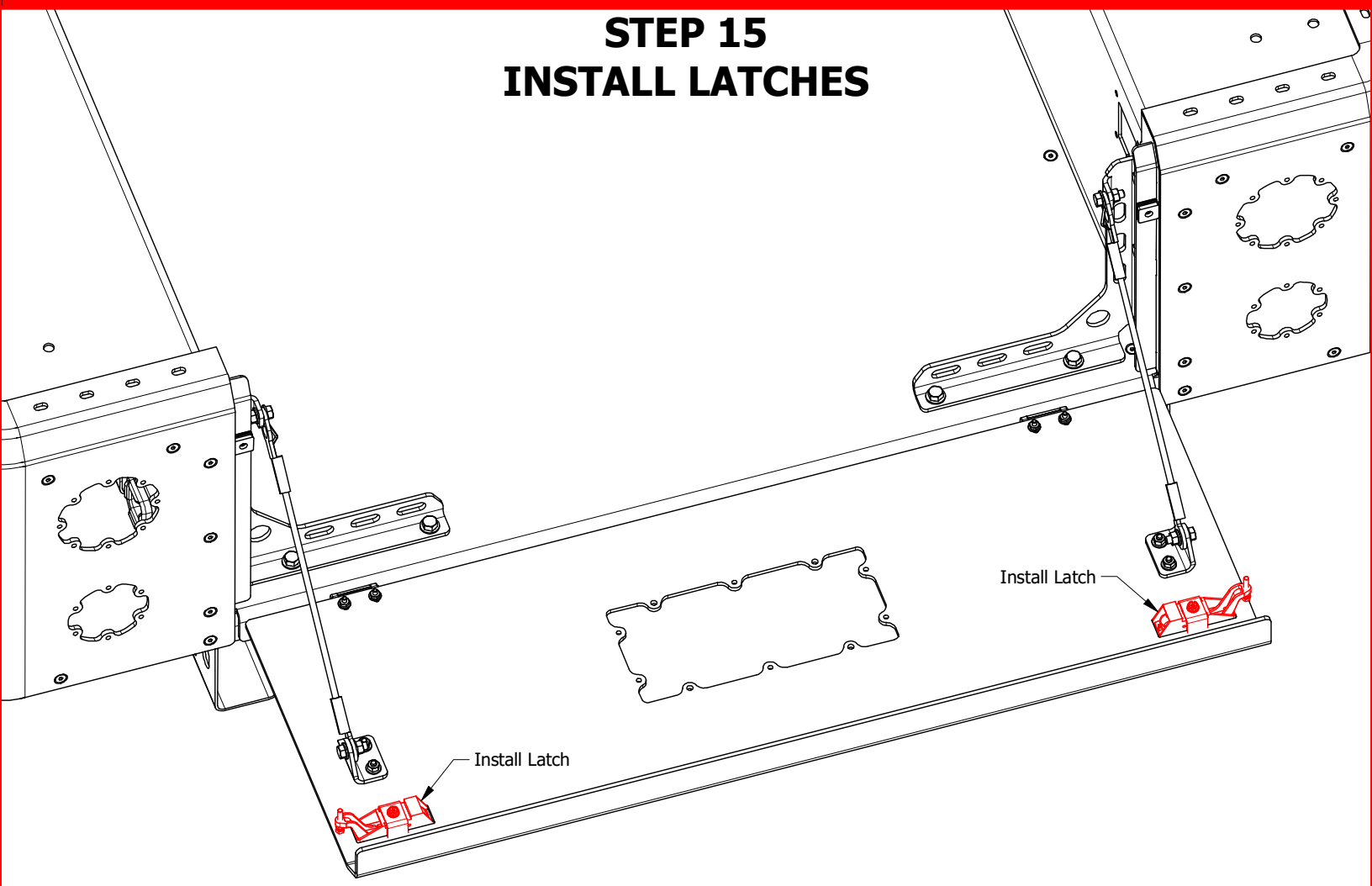

**TIGHTEN FASTENERS**

**Tailgate Cable Assembly (2 Locations)**

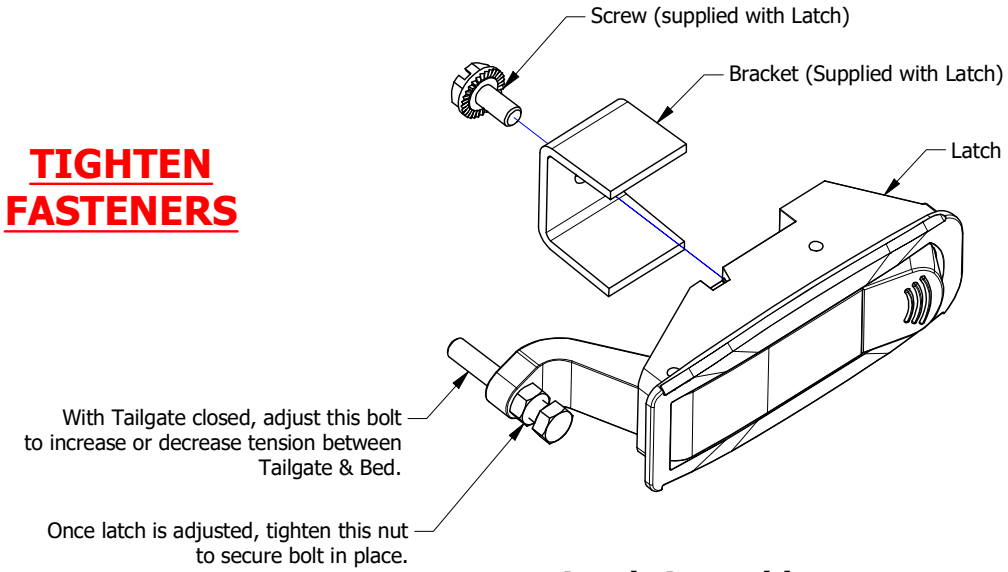
USE BAG LABELED AS
**1178-KIT06**

# MB1178 - Assembly JT Gladiator Bobbed Bed

## STEP 15
## INSTALL LATCHES




**TIGHTEN FASTENERS**

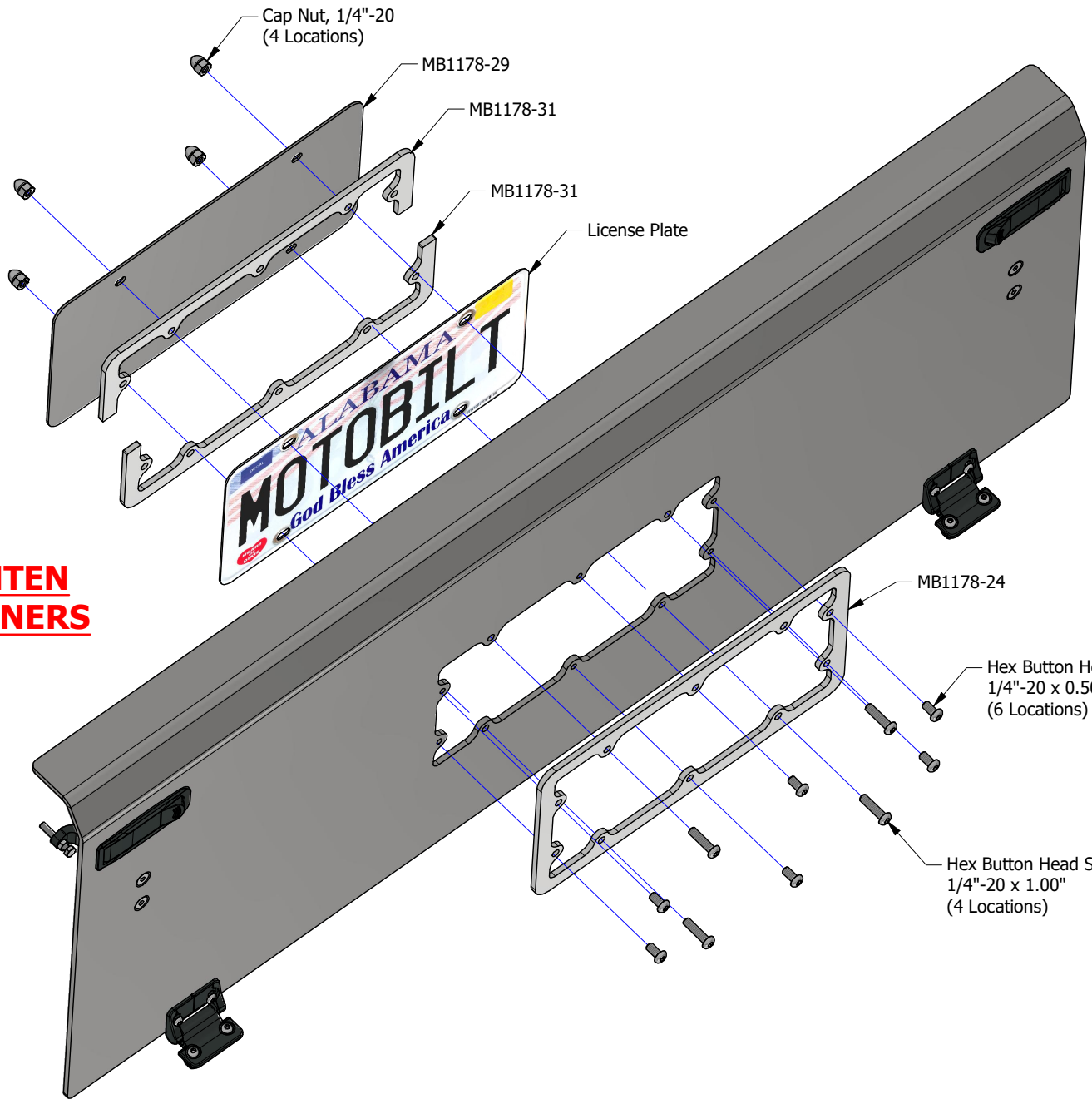



**Latch Assembly (2 Locations)**

USE BAG LABELED AS
**1178-KIT07**

# MB1178 - Assembly JT Gladiator Bobbed Bed

## STEP 16
## INSTALL LICENCE PLATE




**TIGHTEN FASTENERS**

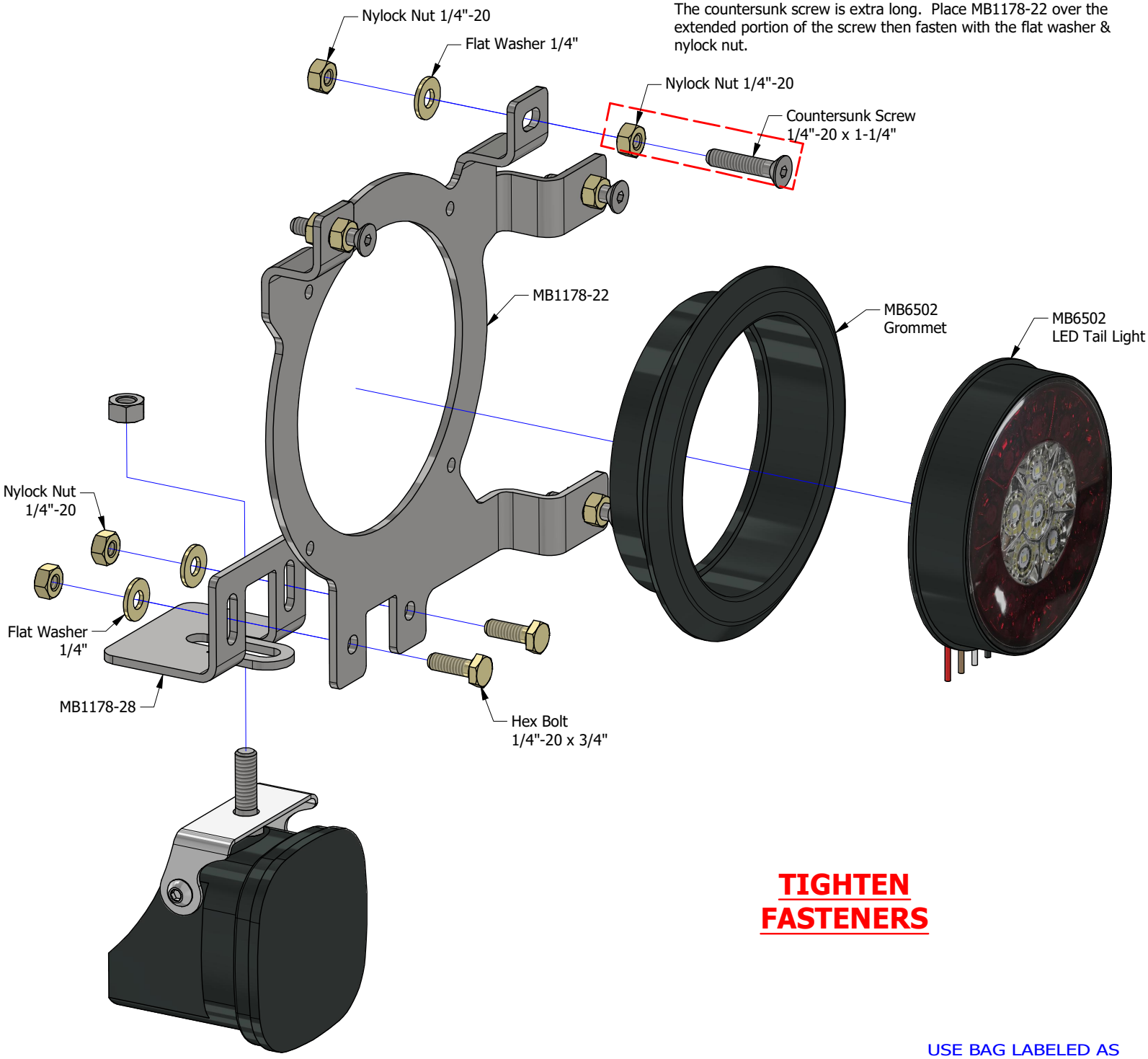
**License Plate Assembly**

USE BAG LABELED AS
**1178-KIT08**

## MB1178 - Assembly JT Gladiator Bobbed Bed

# STEP 17
# INSTALL TAIL LIGHTS

NOTE: These fasteners bolt through the outer fender to the inner fender. Add the nylock nut to the countersunk screw to secure the fenders together. This nut will also act as a spacer for MB1178-22. The countersunk screw is extra long. Place MB1178-22 over the extended portion of the screw then fasten with the flat washer & nylock nut.



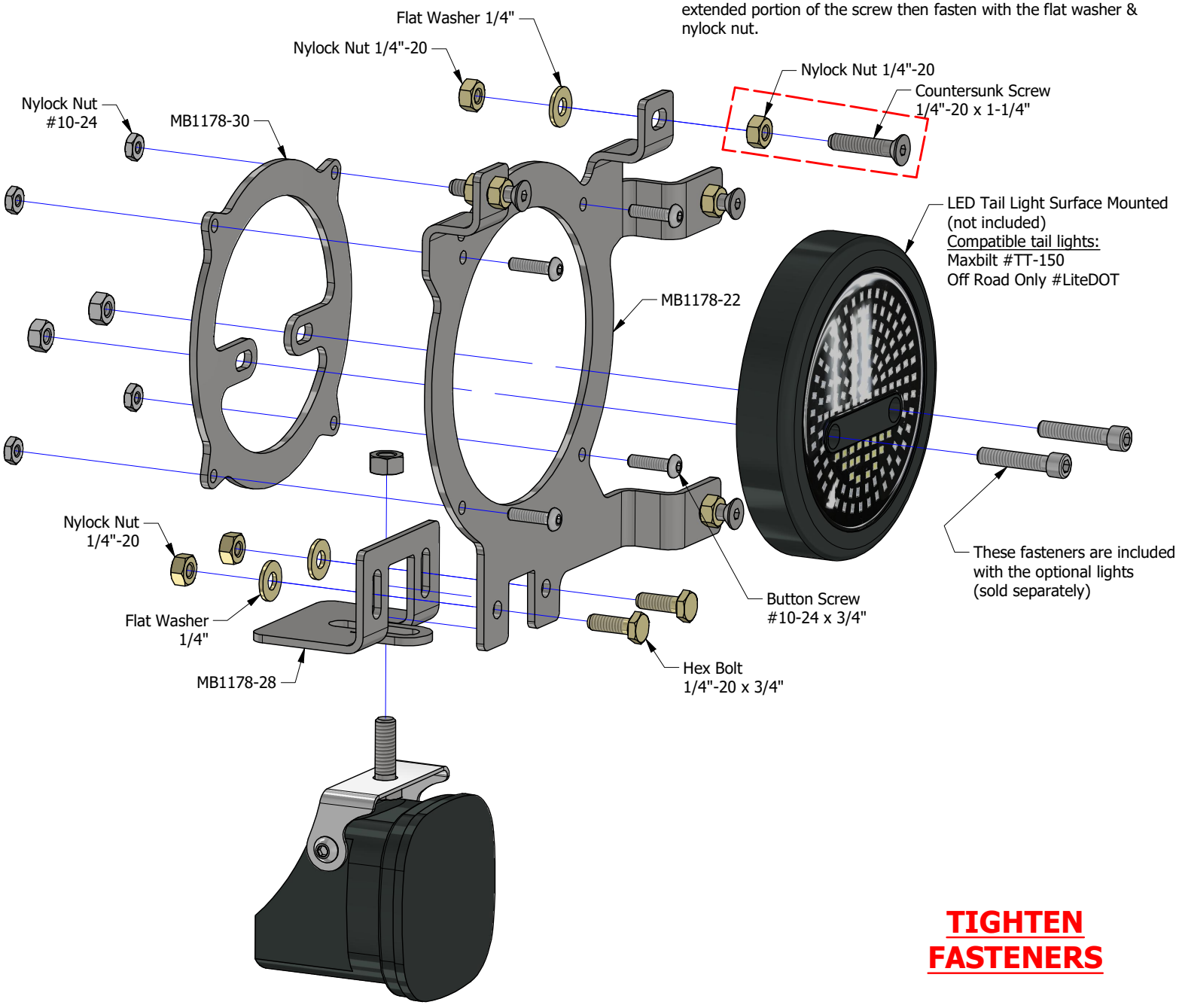

**TIGHTEN FASTENERS**

USE BAG LABELED AS
**1178-KIT09**
USE BAG LABELED AS
**1178-KIT17**

# MB1178 - Assembly JT Gladiator Bobbed Bed

## STEP 18
## INSTALL ALTERNATE TAIL LIGHTS

NOTE: These fasteners bolt through the outer fender to the inner fender. Add the nylock nut to the countersunk screw to secure the fenders together. This nut will also act as a spacer for MB1178-22. The countersunk screw is extra long. Place MB1178-22 over the extended portion of the screw then fasten with the flat washer & nylock nut.



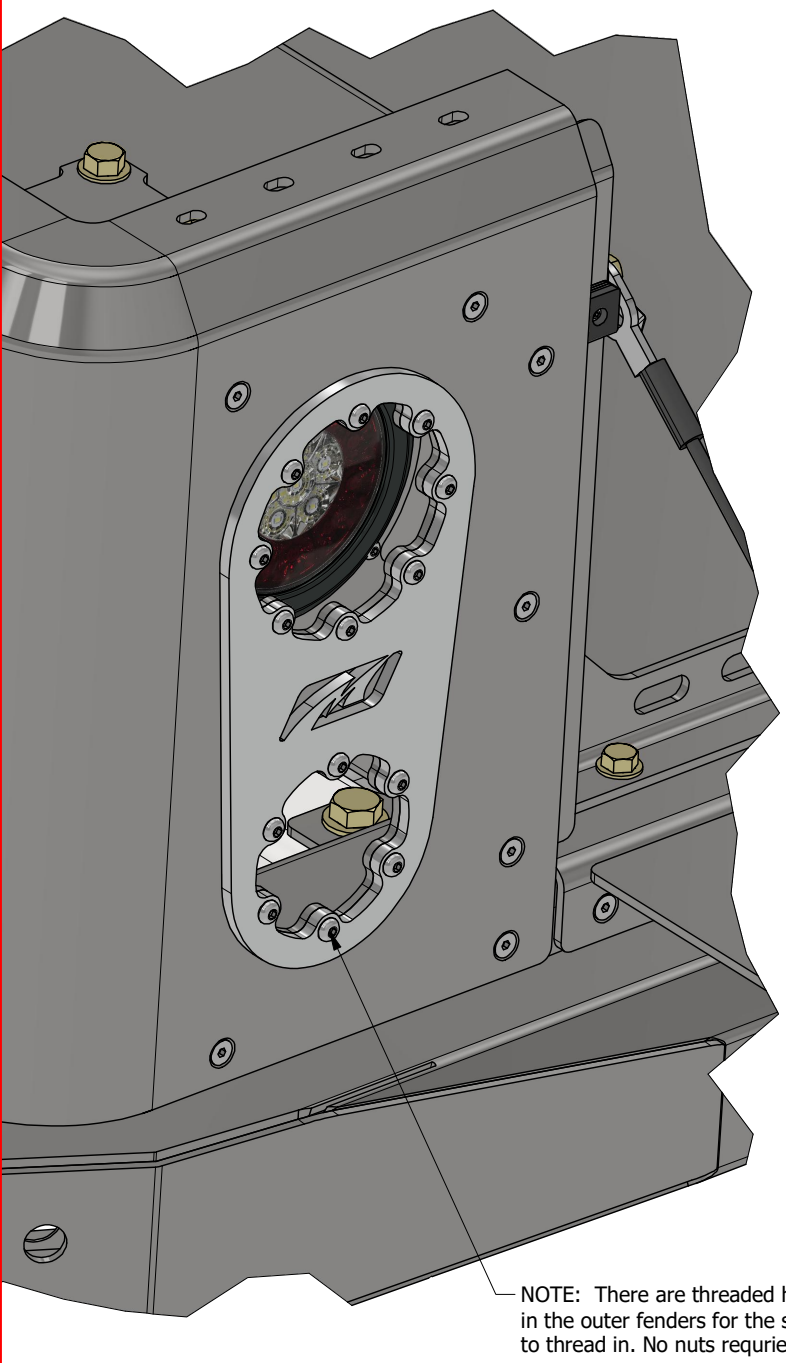

**TIGHTEN FASTENERS**

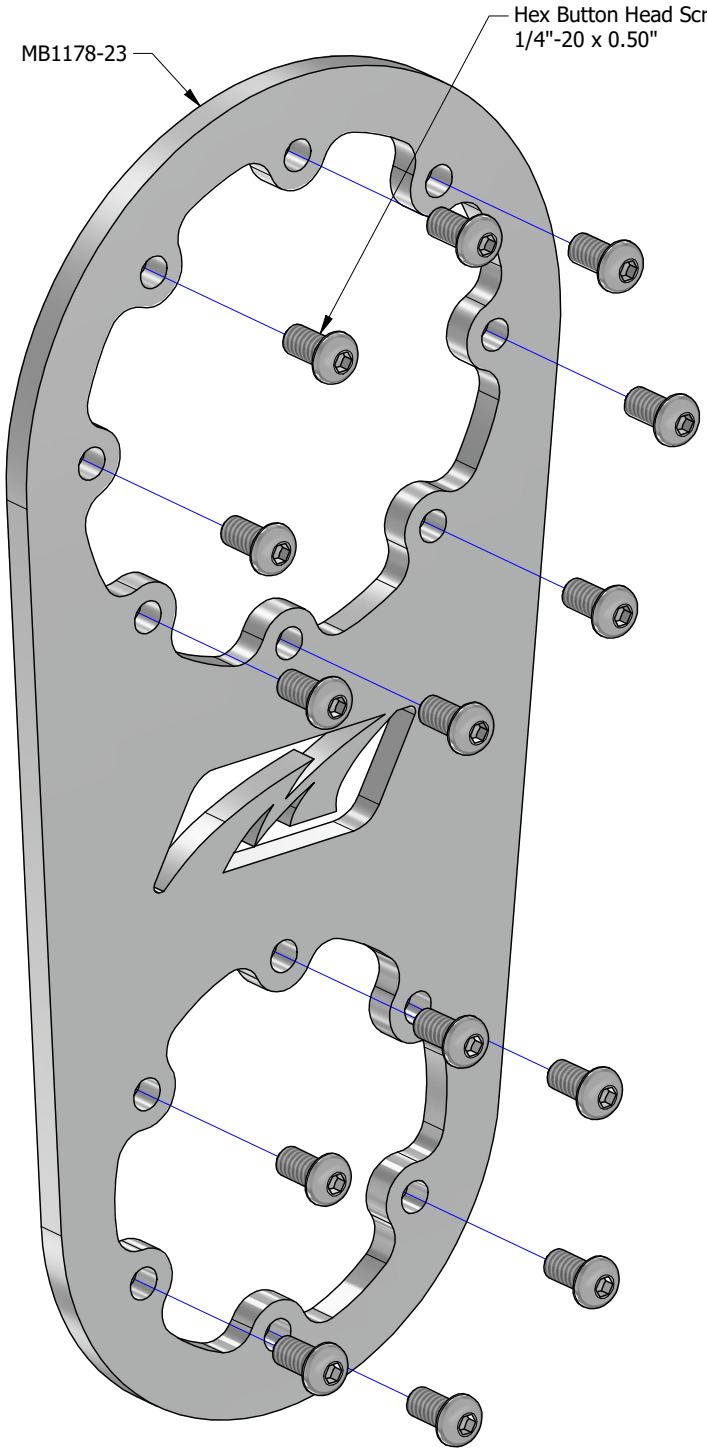
## ALTERNATE LIGHT MOUNTING

USE BAG LABELED AS
**1178-KIT09**
USE BAG LABELED AS
**1178-KIT17**

# MB1178 - Assembly JT Gladiator Bobbed Bed

## STEP 19
## INSTALL TAIL LIGHT TRIM



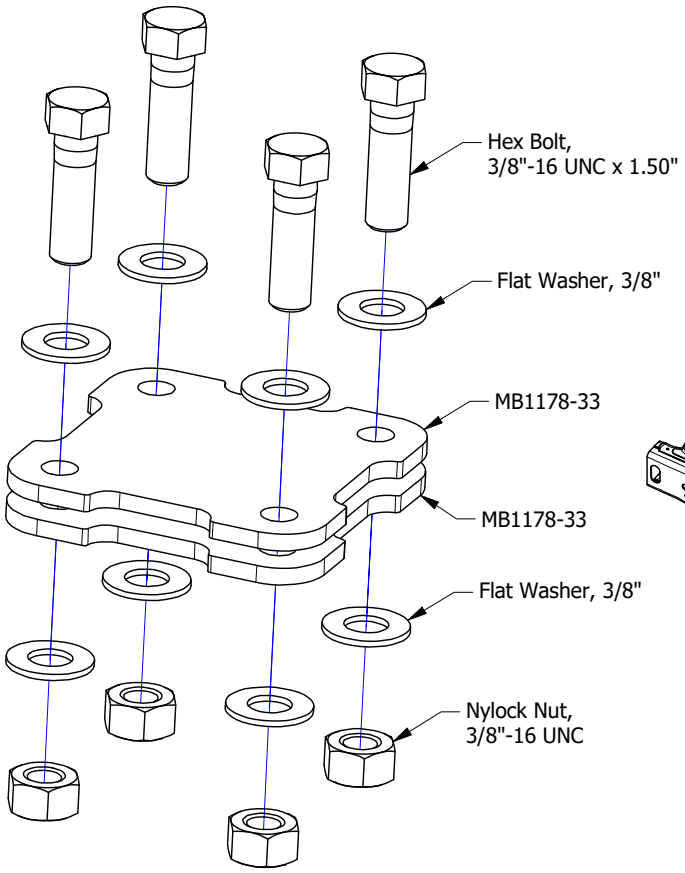

**EXTERIOR TAIL LIGHT TRIM ASSEMBLY**
**2 LOCATIONS**

**TIGHTEN FASTENERS**

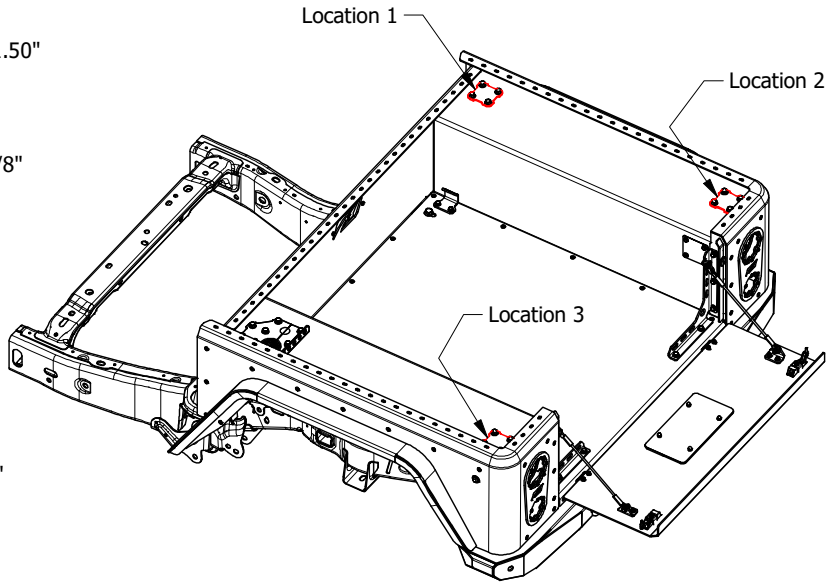
USE BAG LABELED AS
**1178-KIT10**

# STEP 20
# INSTALL CAGE PLATES

This kit includes top & bottom mounting plates for you to add your own removable custom cage, rails or headache rack. The plates are designed for up to 2" O.D. tube. The top plates are mounted to the topside of the inner fenders & are intended to be the mounting points for your custom built cage (or similar). The bottom plates mount to the underside of the inner fenders & are intended for you to tie into the frame of the vehicle. This allows you to remove the custom accessory from the topside for painting, as well as, allows you to remove the underside mounted frame supports for painting & ease of future installation.




**Cage Plate Assembly**
**(3 Locations)**




**TIGHTEN FASTENERS**

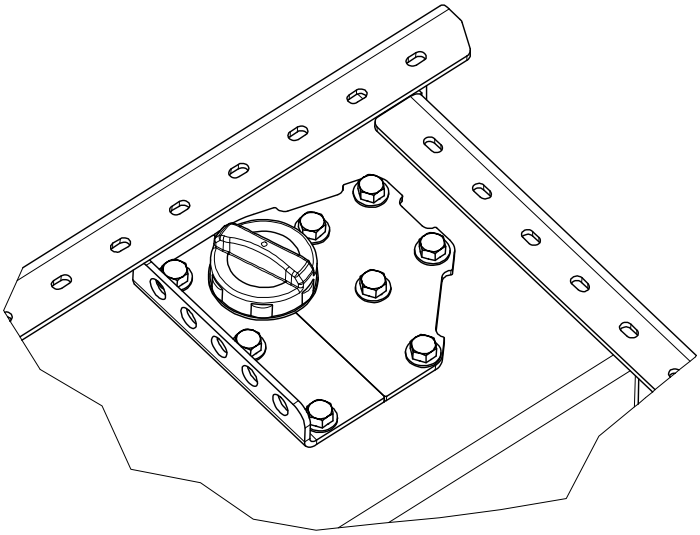
USE BAG LABELED AS
**1178-KIT11**

# STEP 21
# FUEL FILLER ARRANGEMENTS

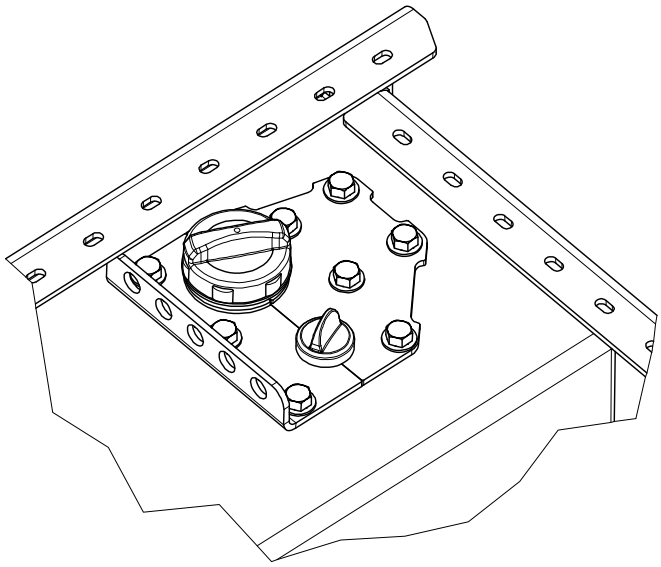
This kit includes provisions for installing either a GASOLINE fuel filler or a DIESEL fuel filler with DEF filler tube & DEF cap. You will reuse and/or modify the factory fuel filler components for both fuel filler arrangements.

If you have a GASOLINE fuel vehicle, use the sections named "GASOLINE ARRANGEMENT". The 1178-KIT12 & 1178-KIT13 in the CONTENTS sections denotes GASOLINE compatible components as shown in RED. Components shown in BLACK are common to both GASOLINE or DIESEL & will be used for either arrangement.

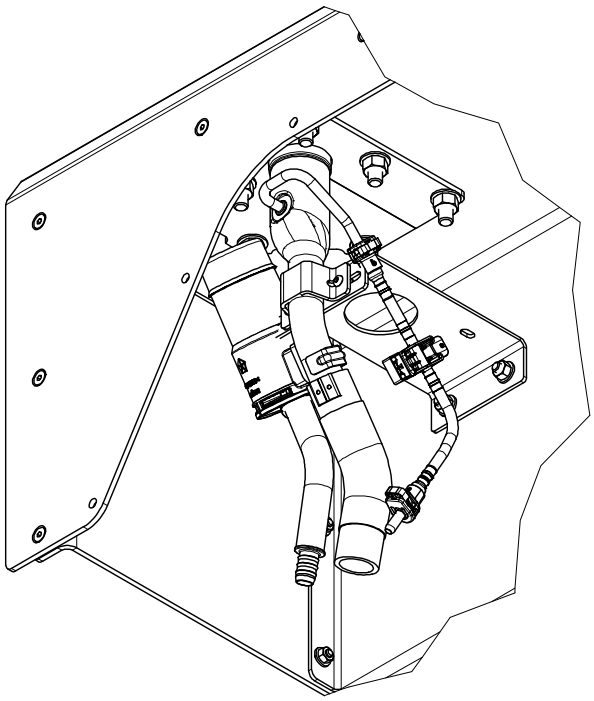
If you have a DIESEL fuel vehicle, use the sections named "DIESEL ARRANGEMENT". The 1178-KIT12 & 1178- KIT13 in the CONTENTS sections denotes DIESEL compatible components as shown in GREEN. Components shown in BLACK are common to both GASOLINE or DIESEL & will be used for either arrangement.

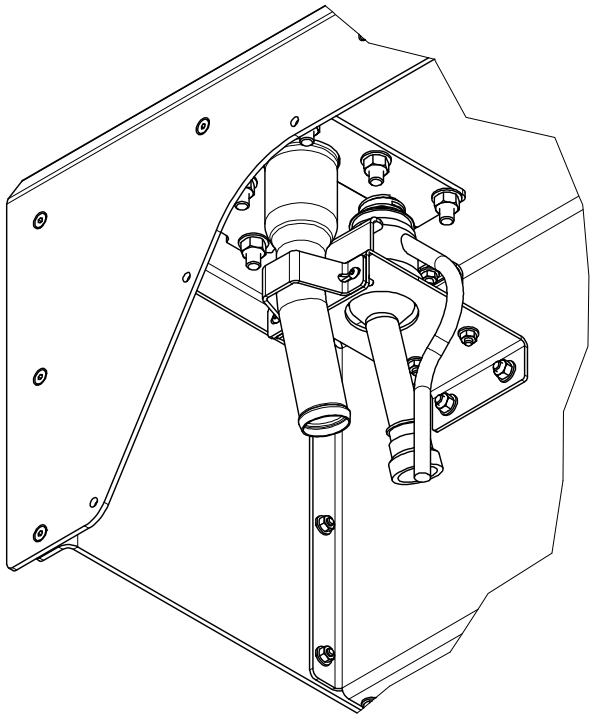


**GASOLINE ARRANGEMENT**



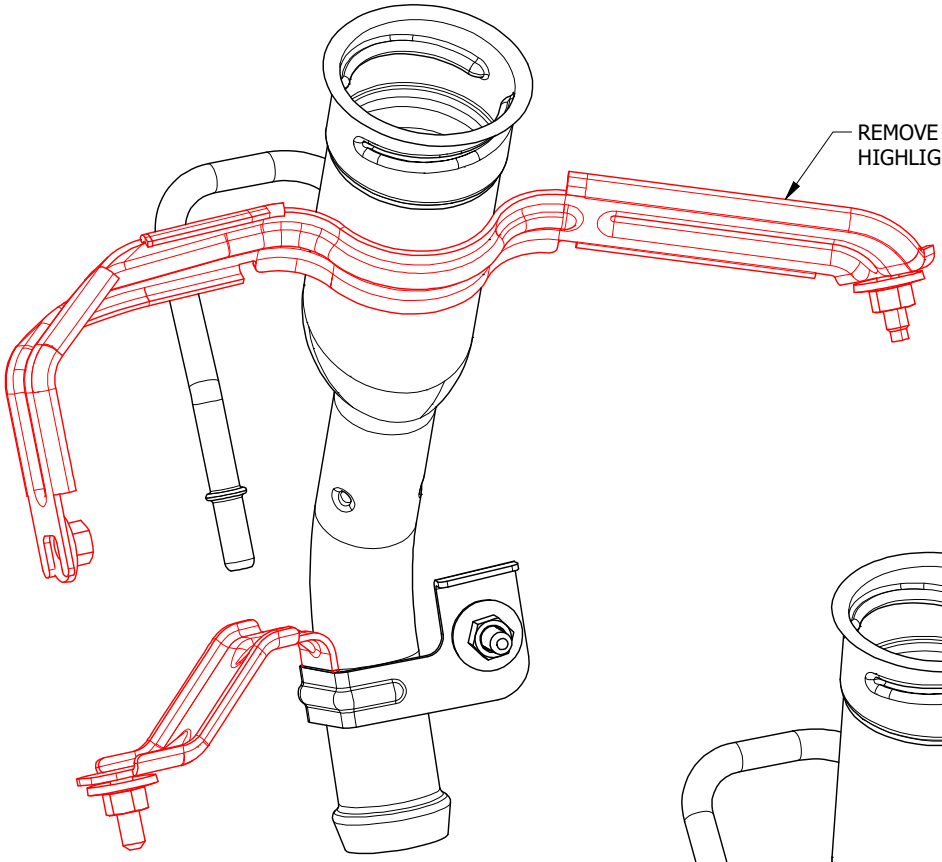
**DIESEL ARRANGEMENT**



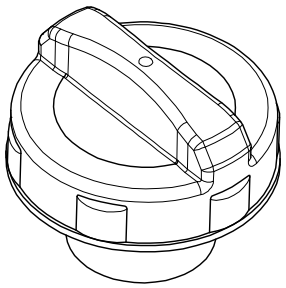


# STEP 22
# GASOLINE ARRANGEMENT
# GAS FUEL FILLER MODIFICATION

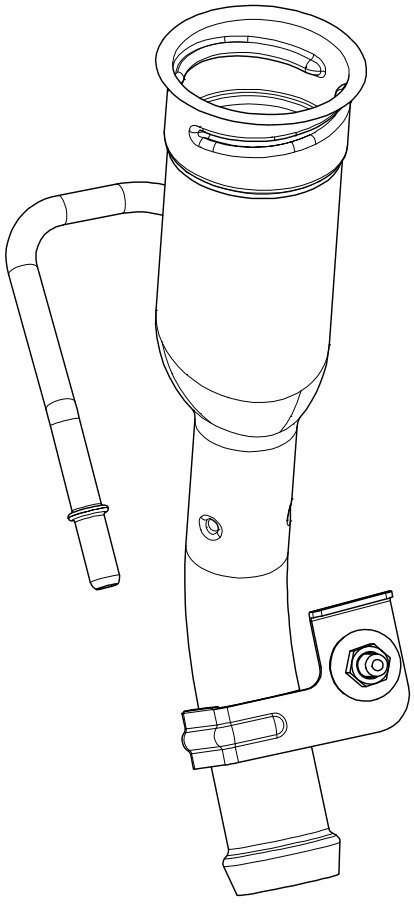
Disconnect the factory gasoline fuel filler from the factory filler hose. Cut off the brackets shown below. Ensure all cut edges are deburred & have no sharp edges.




**BEFORE**



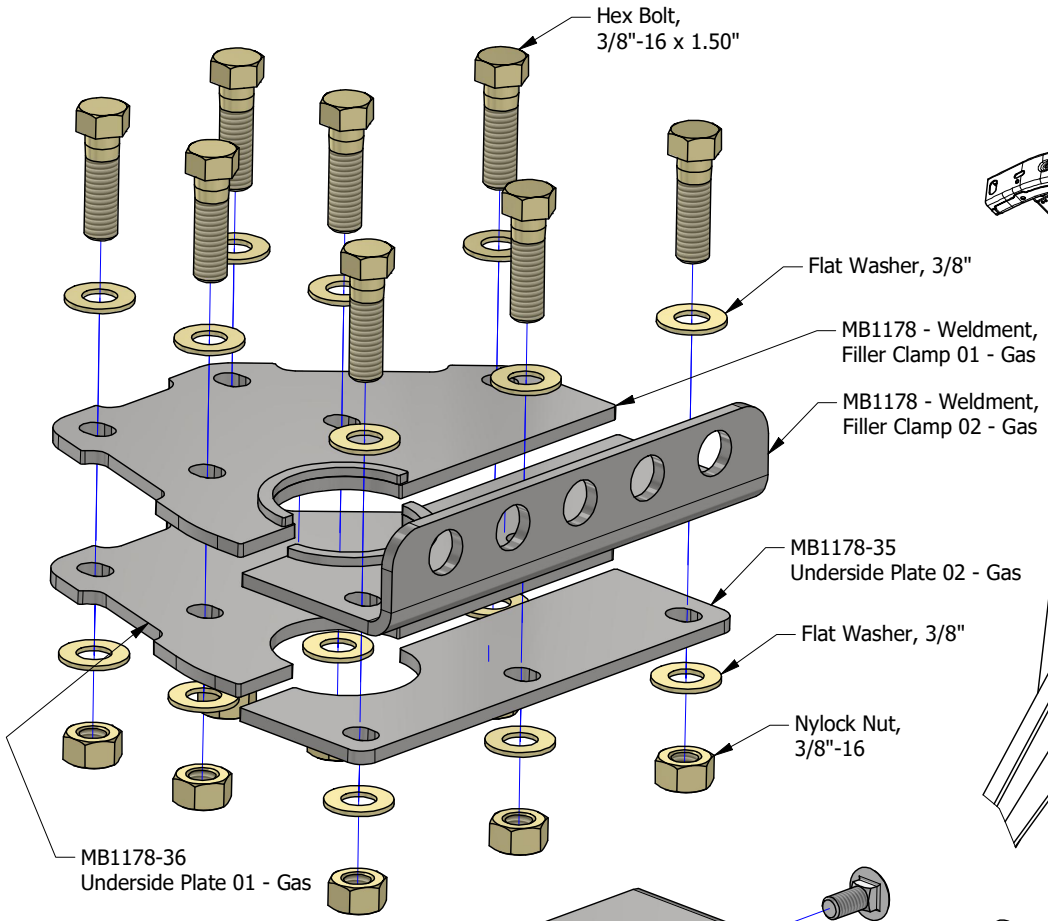
**FACTORY GAS CAP**

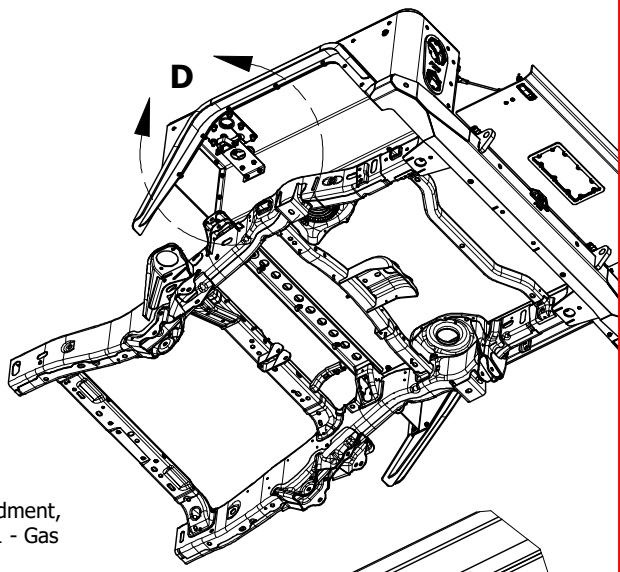


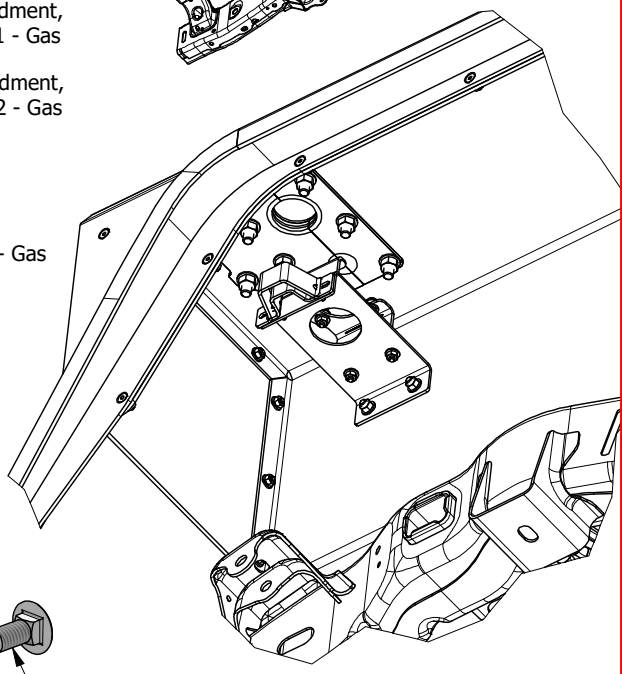
**AFTER**

# STEP 23
# GASOLINE ARRANGEMENT

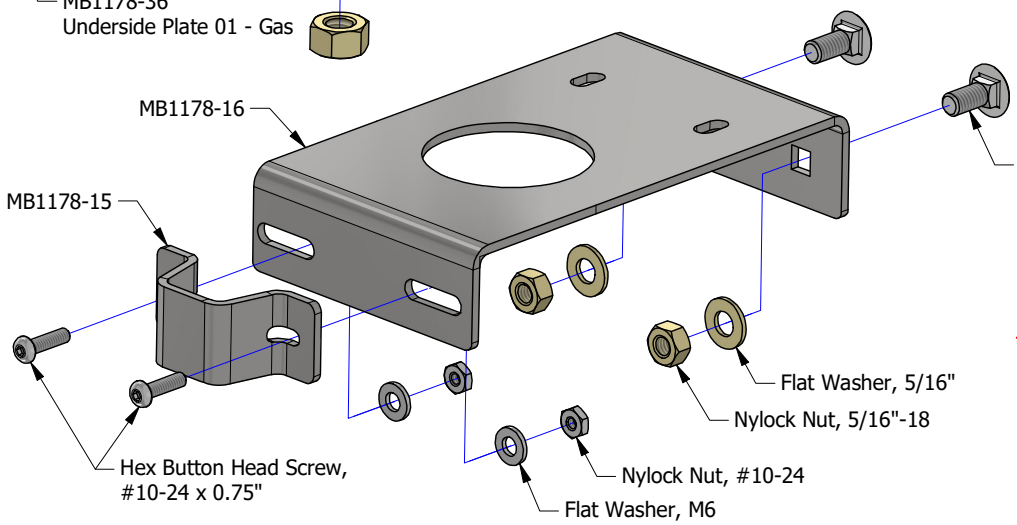
The fuel filler plates also serve as removable custom cage mounts. The plates are split in half both on the topside & bottom side. This is designed to support the modified factory fuel filler. The topside plates have a raised section welded to them. Place the raised section facing up. This provides the necessary support & spacing for the factory gas cap. The lower brackets mount inside the driver inner fender. The U-shaped clamp bracket supports the fuel filler neck.



**DETAIL D**

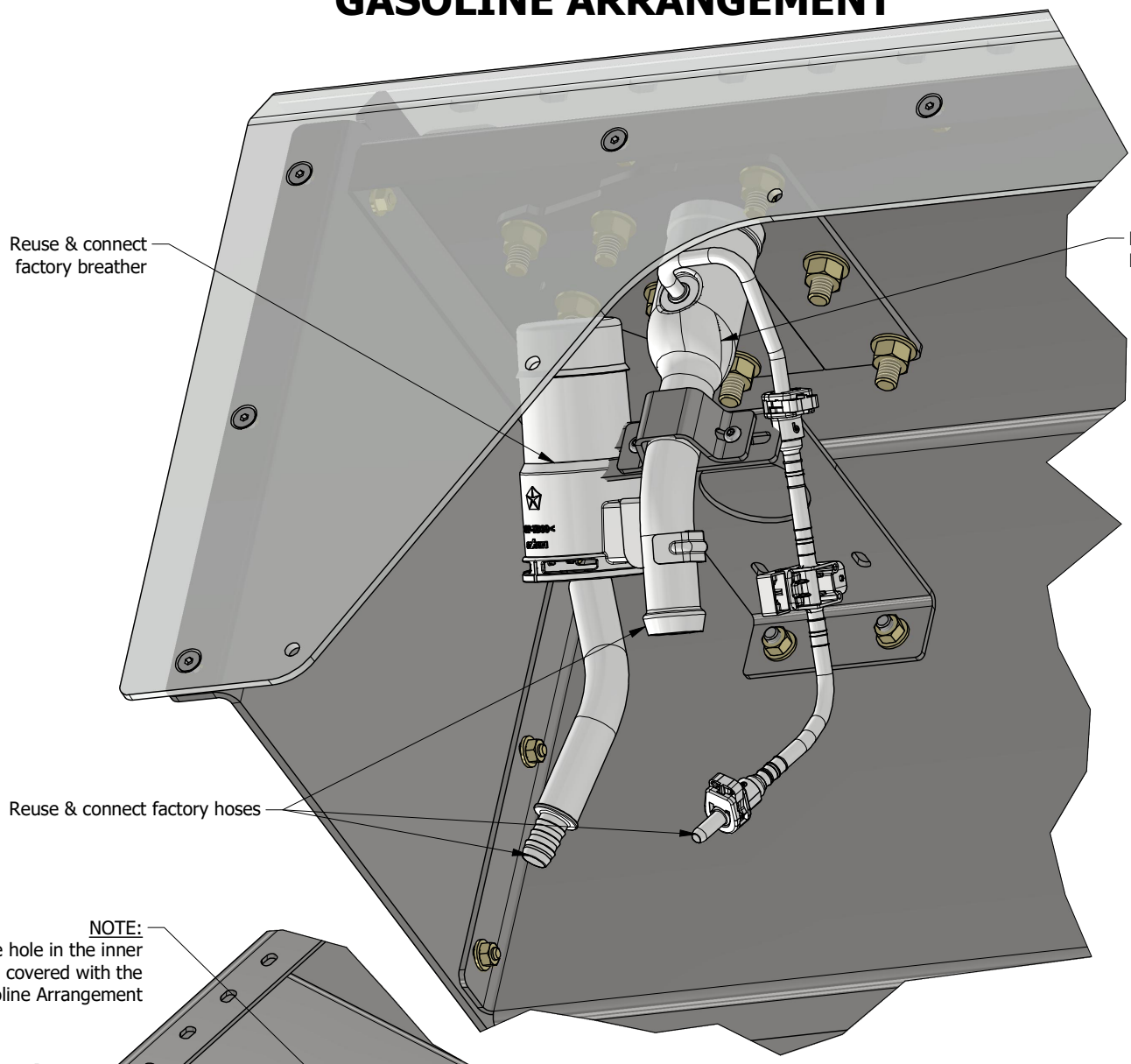


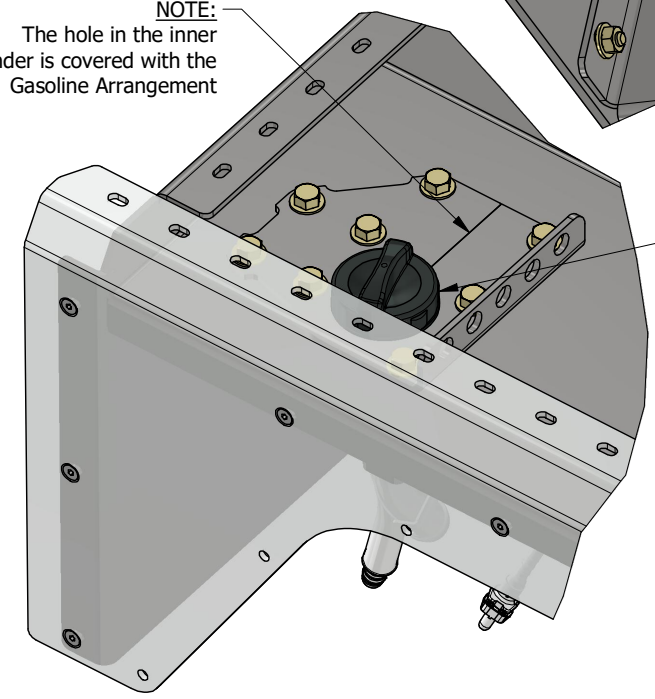

**TIGHTEN FASTENERS**

USE BAG LABELED AS
**1178-KIT12**
USE BAG LABELED AS
**1178-KIT13**

# MB1178 - Assembly JT Gladiator Bobbed Bed

## STEP 24
## GASOLINE ARRANGEMENT



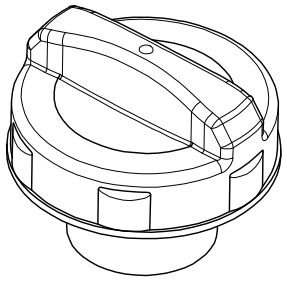




**TIGHTEN FASTENERS**

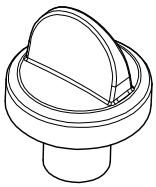
USE BAG LABELED AS
**1178-KIT12**
USE BAG LABELED AS
**1178-KIT13**

# STEP 25
# DIESEL ARRANGEMENT
# REUSE FACTORY DIESEL FUEL FILLER
# & REUSE FACTORY DEF FILLER

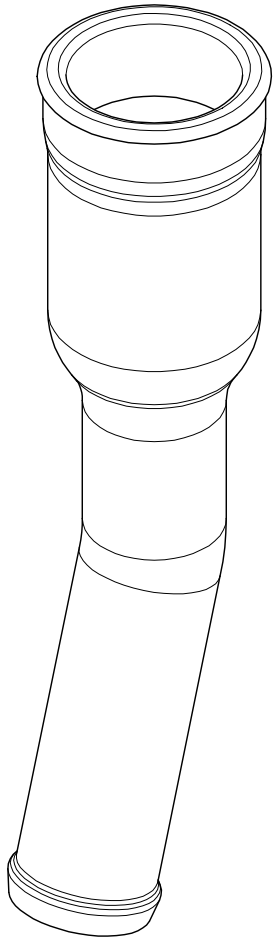
Disconnect the factory diesel fuel filler & the factory DEF filler from the factory filler hoses. No modification is needed.



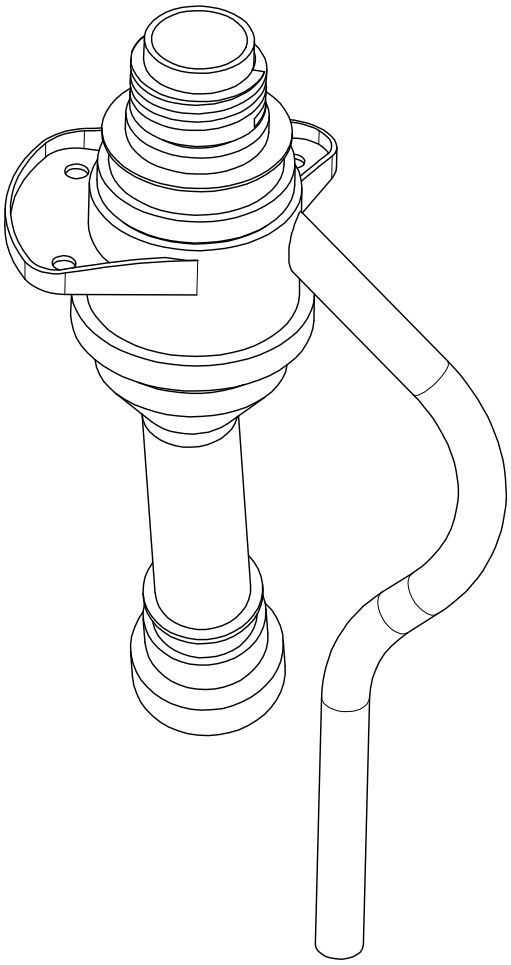
**FACTORY DIESEL CAP**



**FACTORY DEF CAP**



**FACTORY DIESEL FILLER**

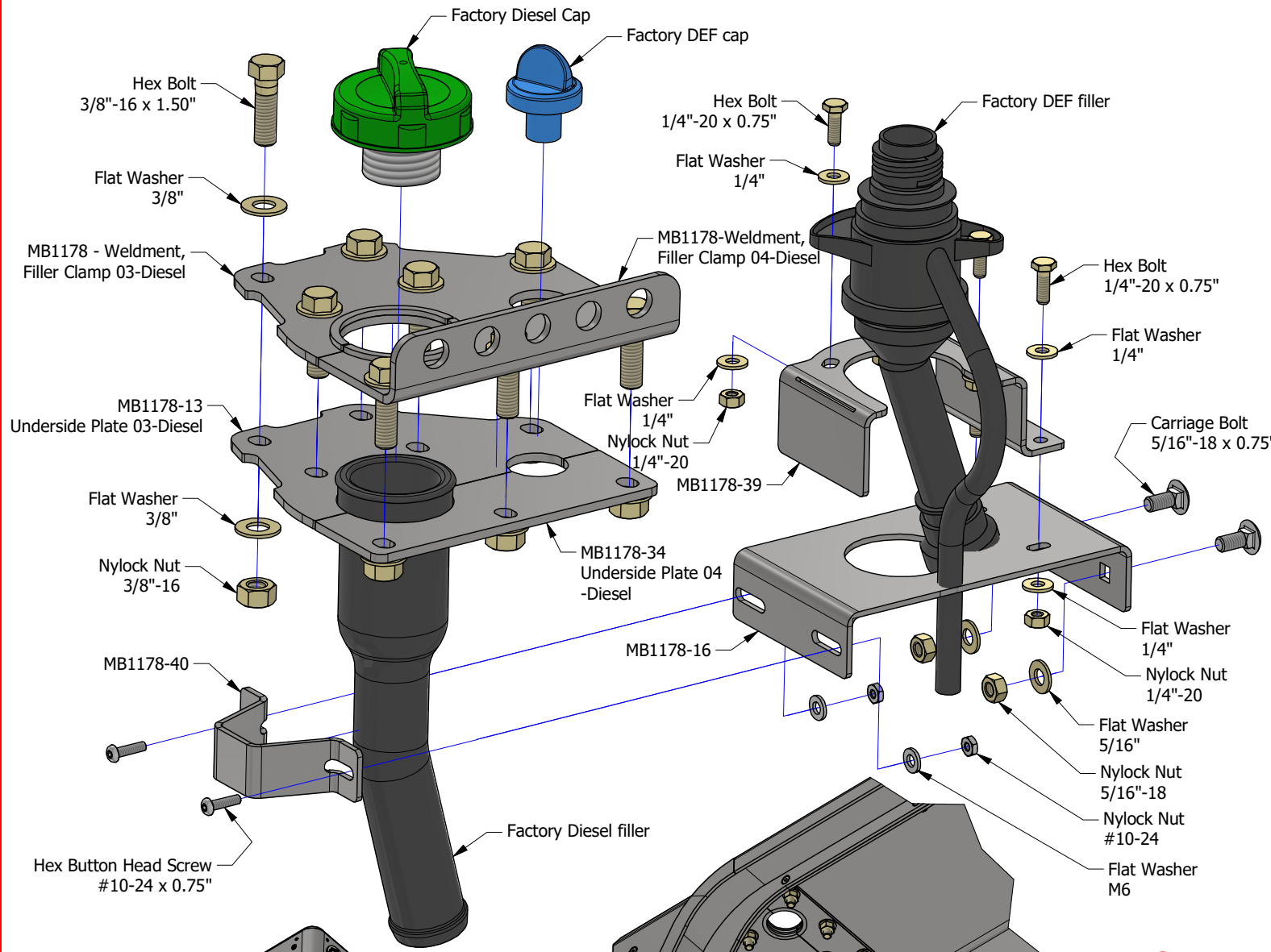


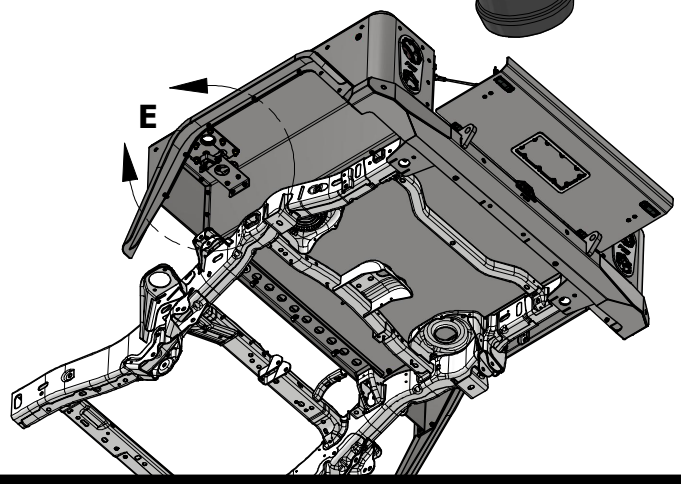
**FACTORY DEF FILLER**

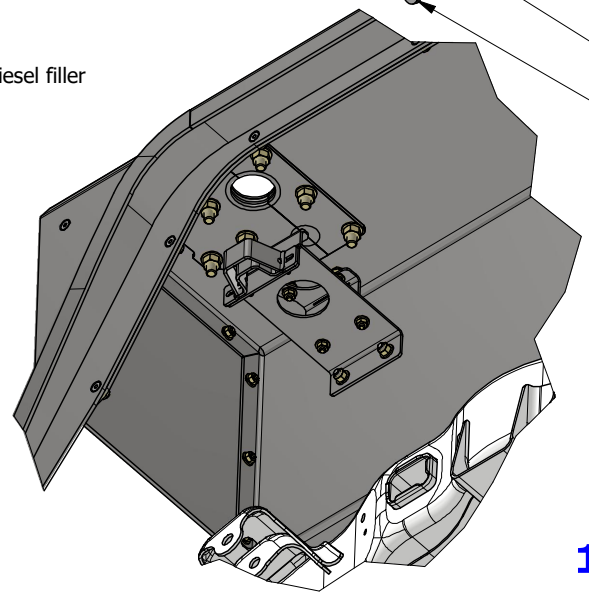
# MB1178 - Assembly JT Gladiator Bobbed Bed

## STEP 26
## DIESEL ARRANGEMENT

The fuel filler plates also serve as removable custom cage mounts. The plates are split in half both on the topside & bottom side. This is designed to support the factory fuel filler. The topside plates have a raised section welded to them. Place the raised section facing up. This provides the necessary support & spacing for the factory diesel cap. The lower brackets mount inside the driver inner fender. The U-shaped clamp bracket supports the fuel filler neck.



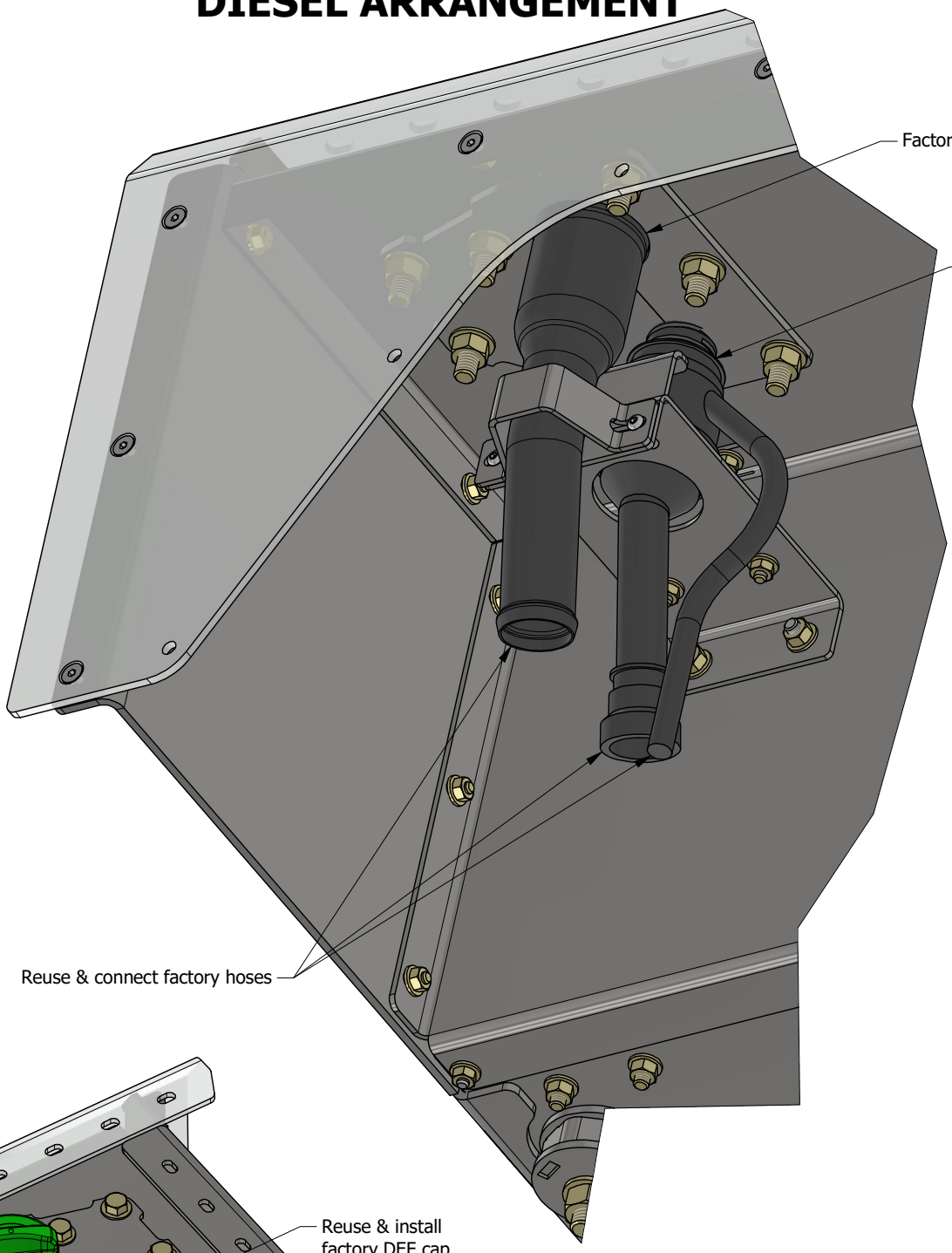
DETAIL E

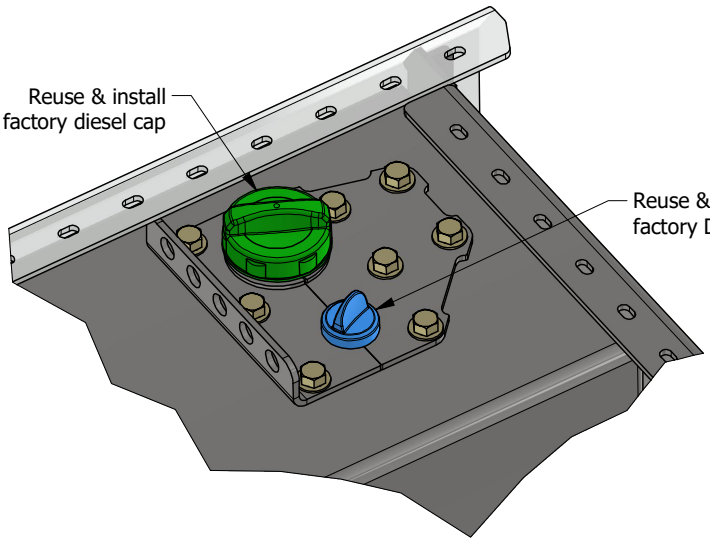
**TIGHTEN FASTENERS**

USE BAG LABELED AS
**1178-KIT12**
USE BAG LABELED AS
**1178-KIT13**

# MB1178 - Assembly JT Gladiator Bobbed Bed

## STEP 27
## DIESEL ARRANGEMENT

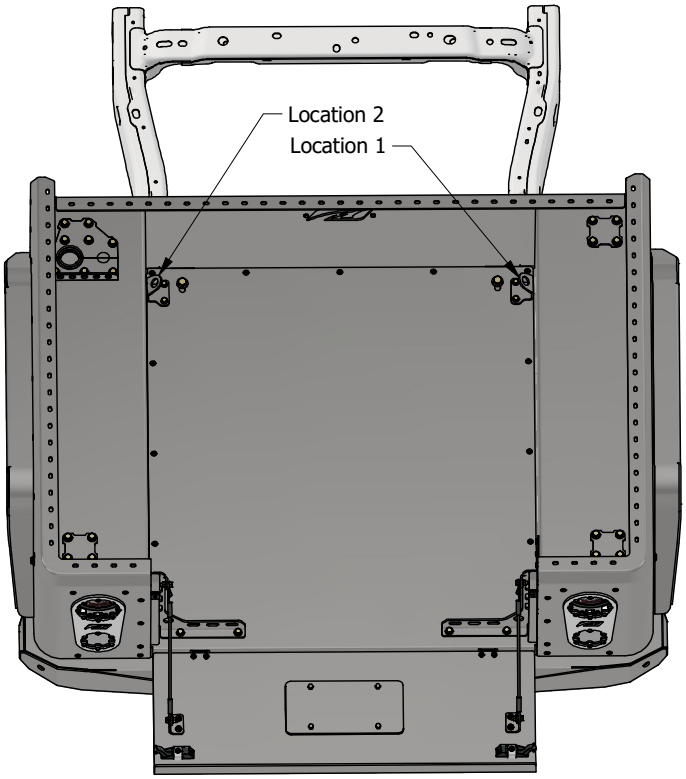


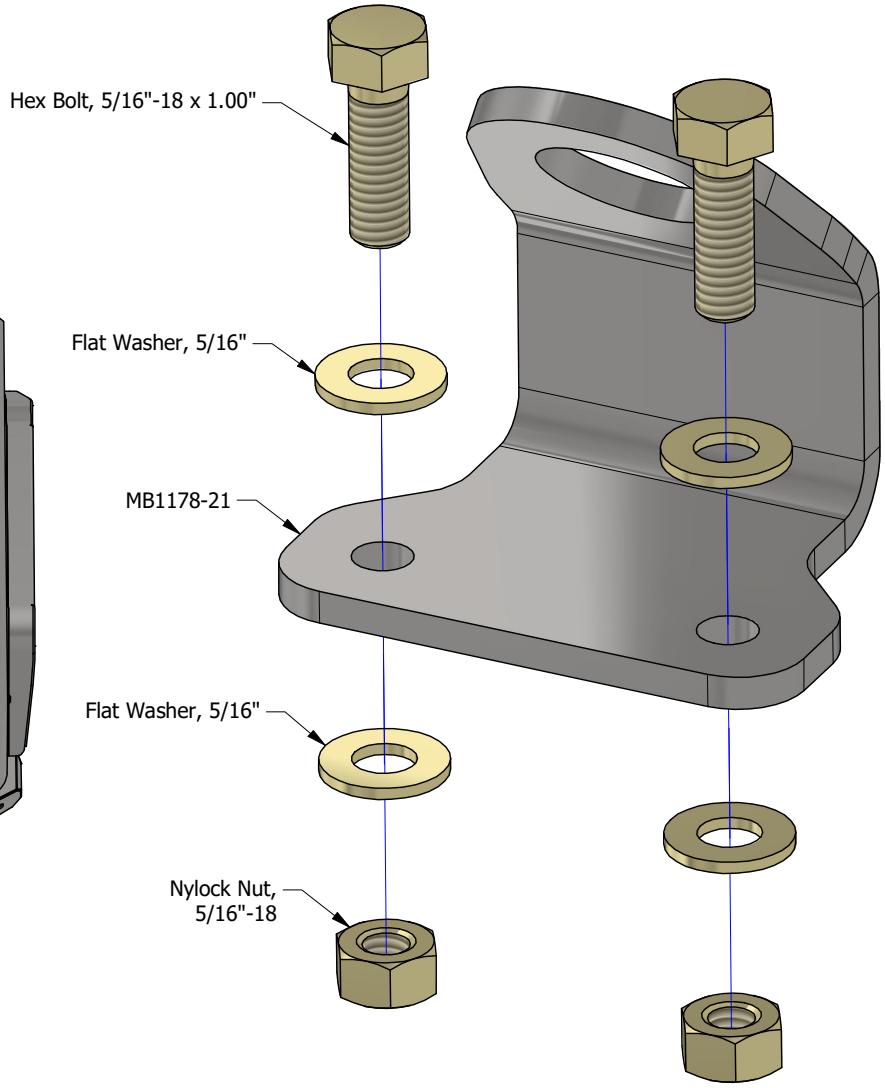




**TIGHTEN FASTENERS**

# MB1178 - Assembly JT Gladiator Bobbed Bed

## STEP 28
## INSTALL FRONT TIE DOWNS



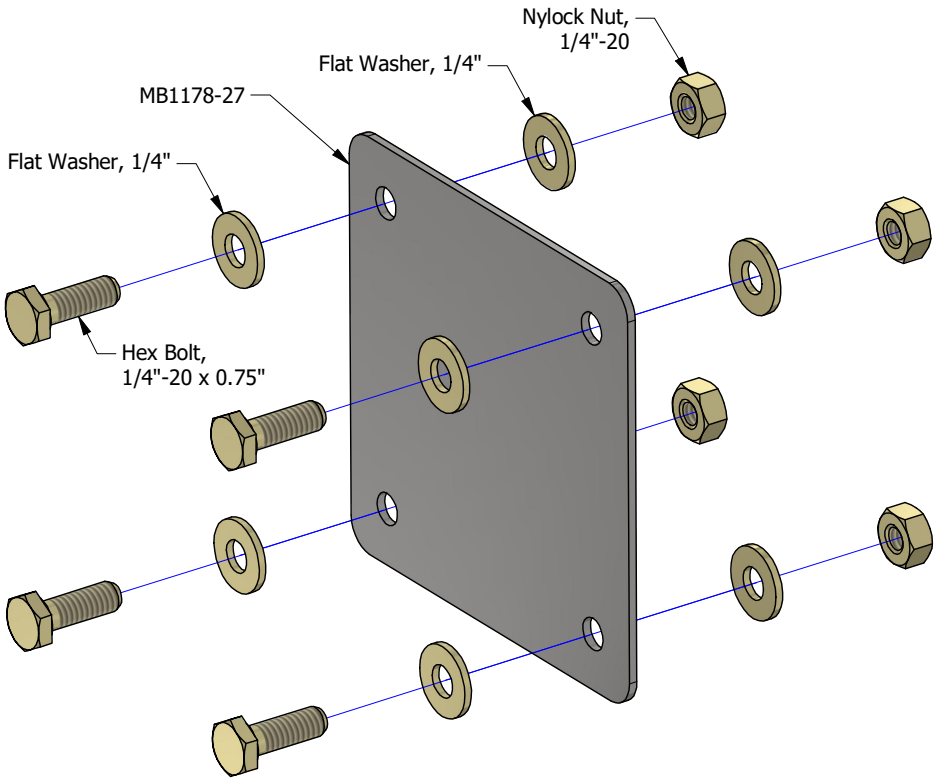

**FRONT TIE DOWN ASSEMBLY**
**2 LOCATIONS**

**TIGHTEN FASTENERS**

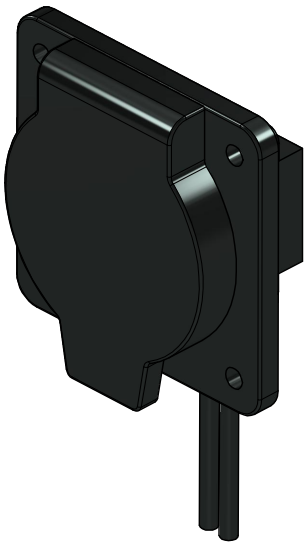
USE BAG LABELED AS
**1178-KIT14**

# MB1178 - Assembly JT Gladiator Bobbed Bed

## STEP 29
## INSTALL OPTIONAL COVER PLATE

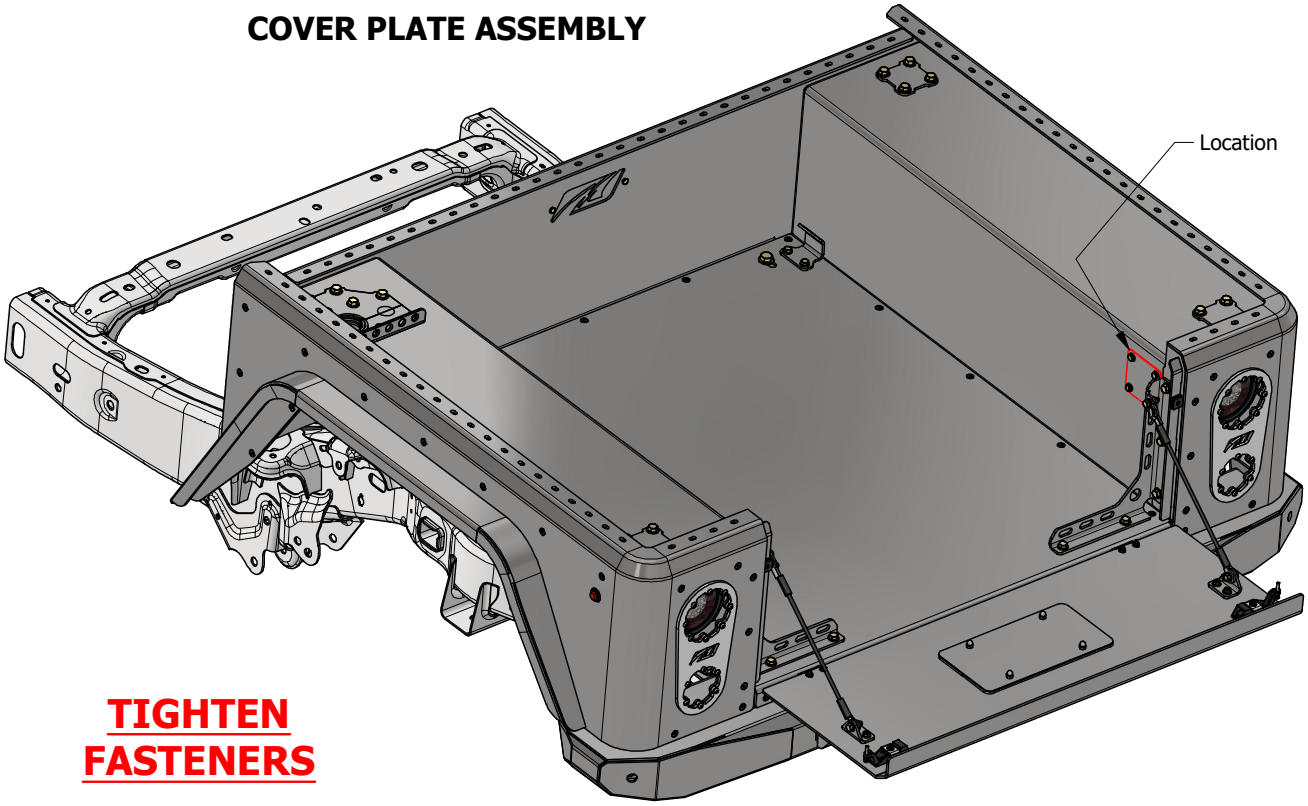



You can reuse the factory 120V receptacle from the bed of the Gladiator (if equipped). Substitute the receptacle in place of the cover plate MB1178-27 & use the supplied fasteners.



**FACTORY RECEPTACLE**

**COVER PLATE ASSEMBLY**

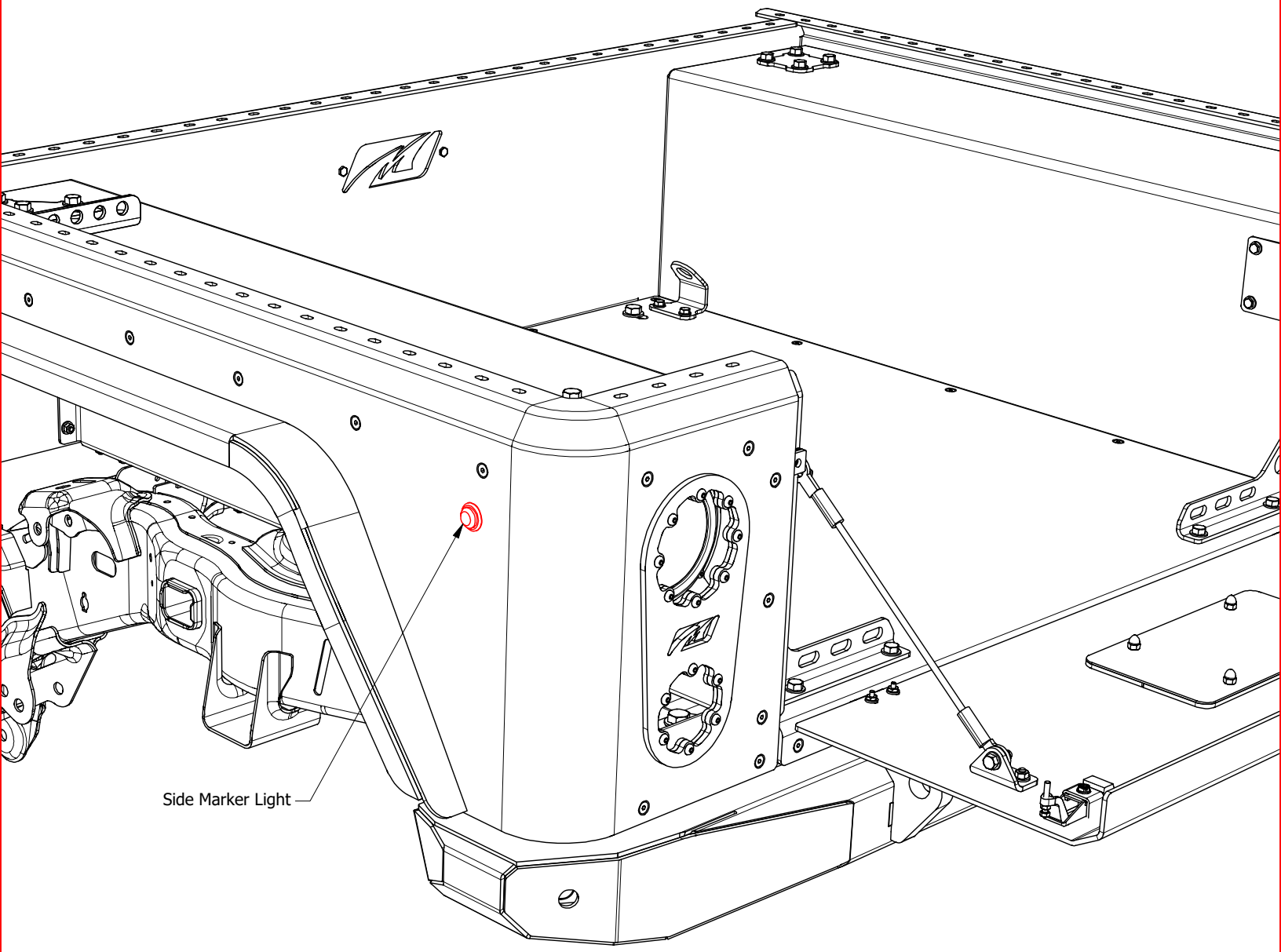



**TIGHTEN FASTENERS**

USE BAG LABELED AS
**1178-KIT16**

# STEP 30
# INSTALL OPTIONAL SIDE MARKER LIGHTS

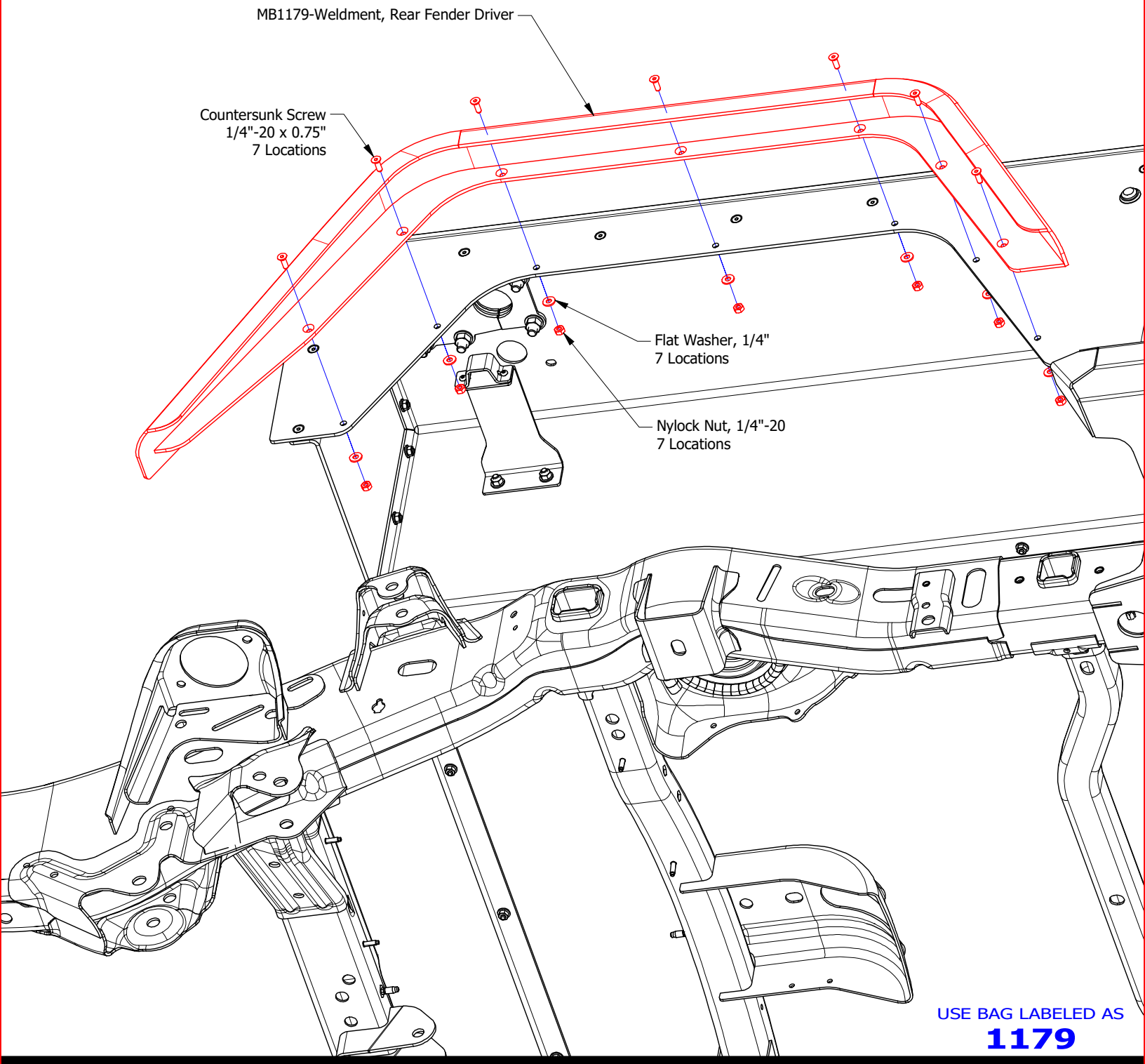
Some jurisdictions may require Rear Side Marker Lights. If required in your area, determine your location needed, drill holes in the outer fenders & install the Side Marker Lights included with this kit.




USE BAG LABELED AS
**1178-KIT17**

# MB1178 - Assembly JT Gladiator Bobbed Bed

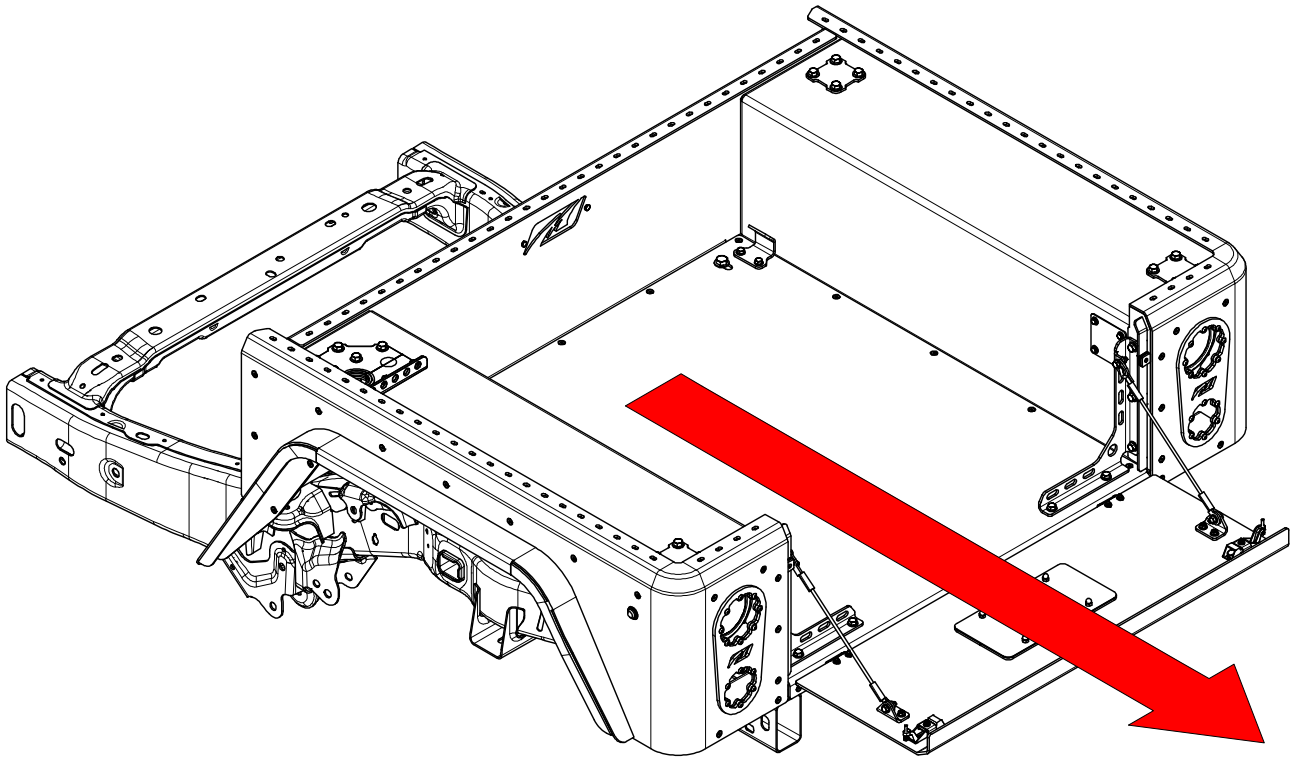
## STEP 31
## FENDER ASSEMBLY



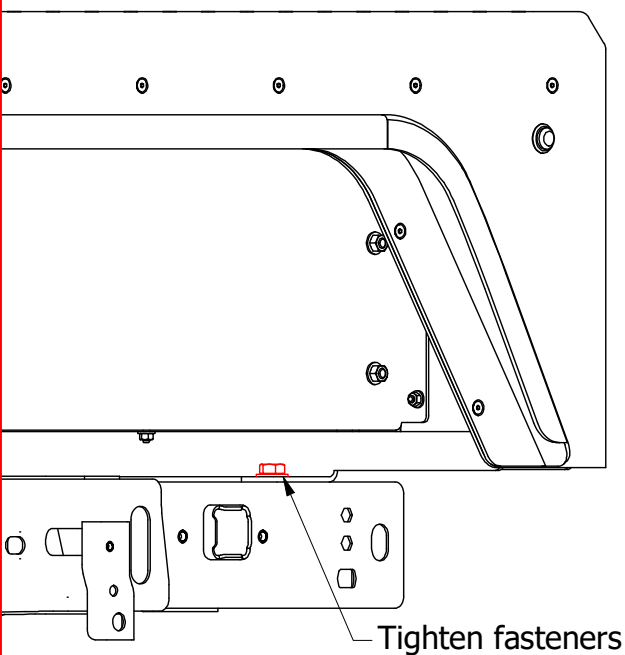

USE BAG LABELED AS
**1179**

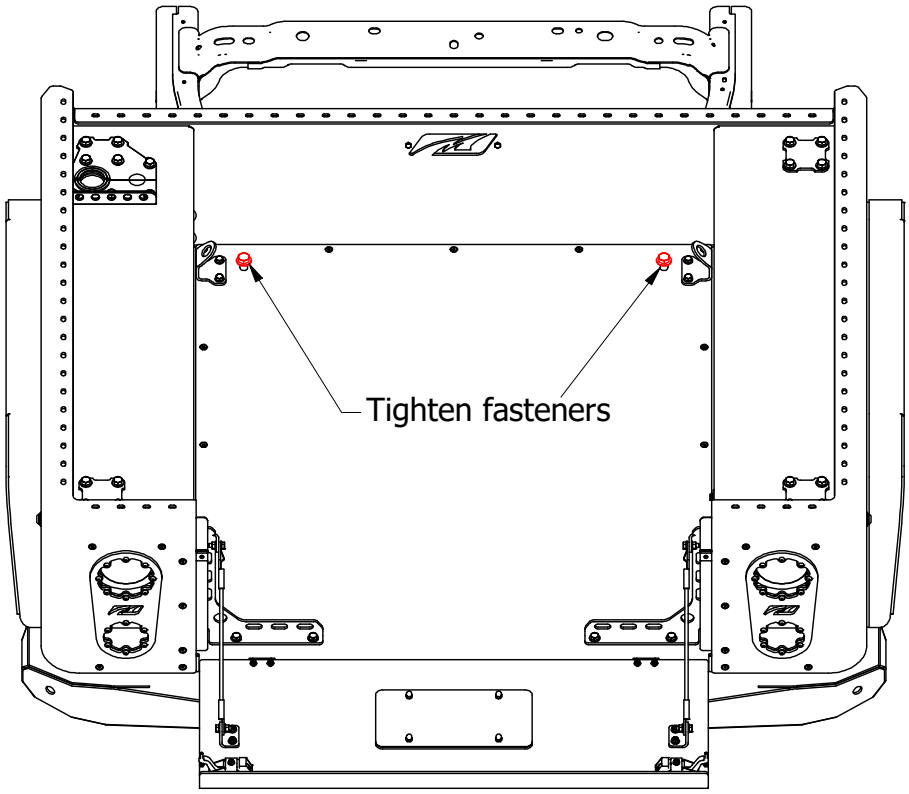
# STEP 32
# BED ALIGNMENT

If assembled prior to installation, install on frame now.



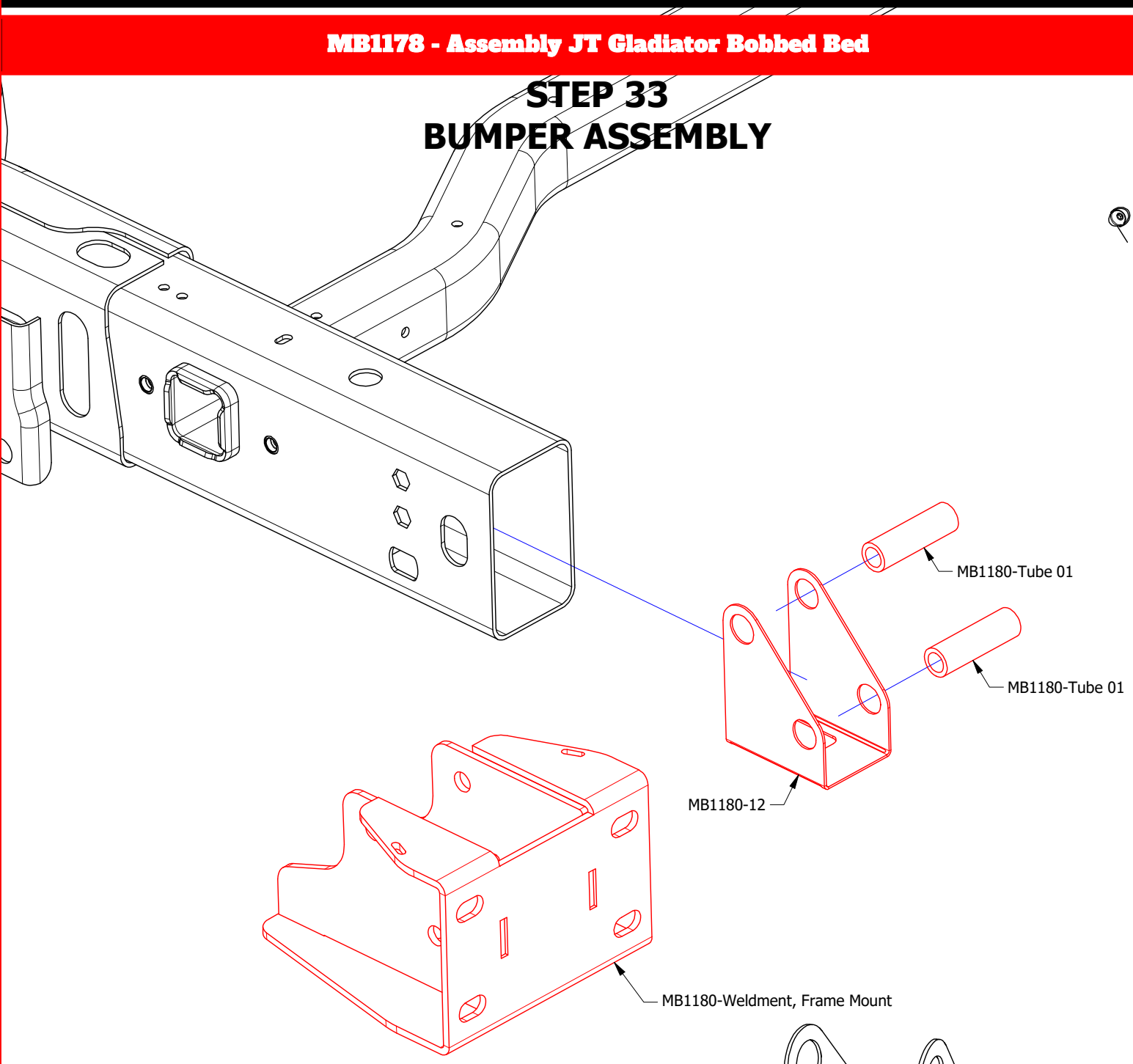
Slide the bed back from the cab for proper clearance, **Then tighten fasteners that secure the bed to the frame**

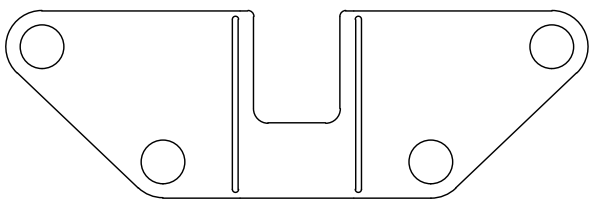


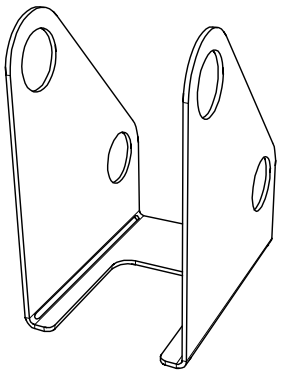
# MB1178 - Assembly JT Gladiator Bobbed Bed

## STEP 33
## BUMPER ASSEMBLY



**MB1180-12**
**Ships Flat**



**MB1180-12**
**After Forming by Hand**

USE BAG LABELED AS
**1180**

# STEP 34
# BUMPER ASSEMBLY

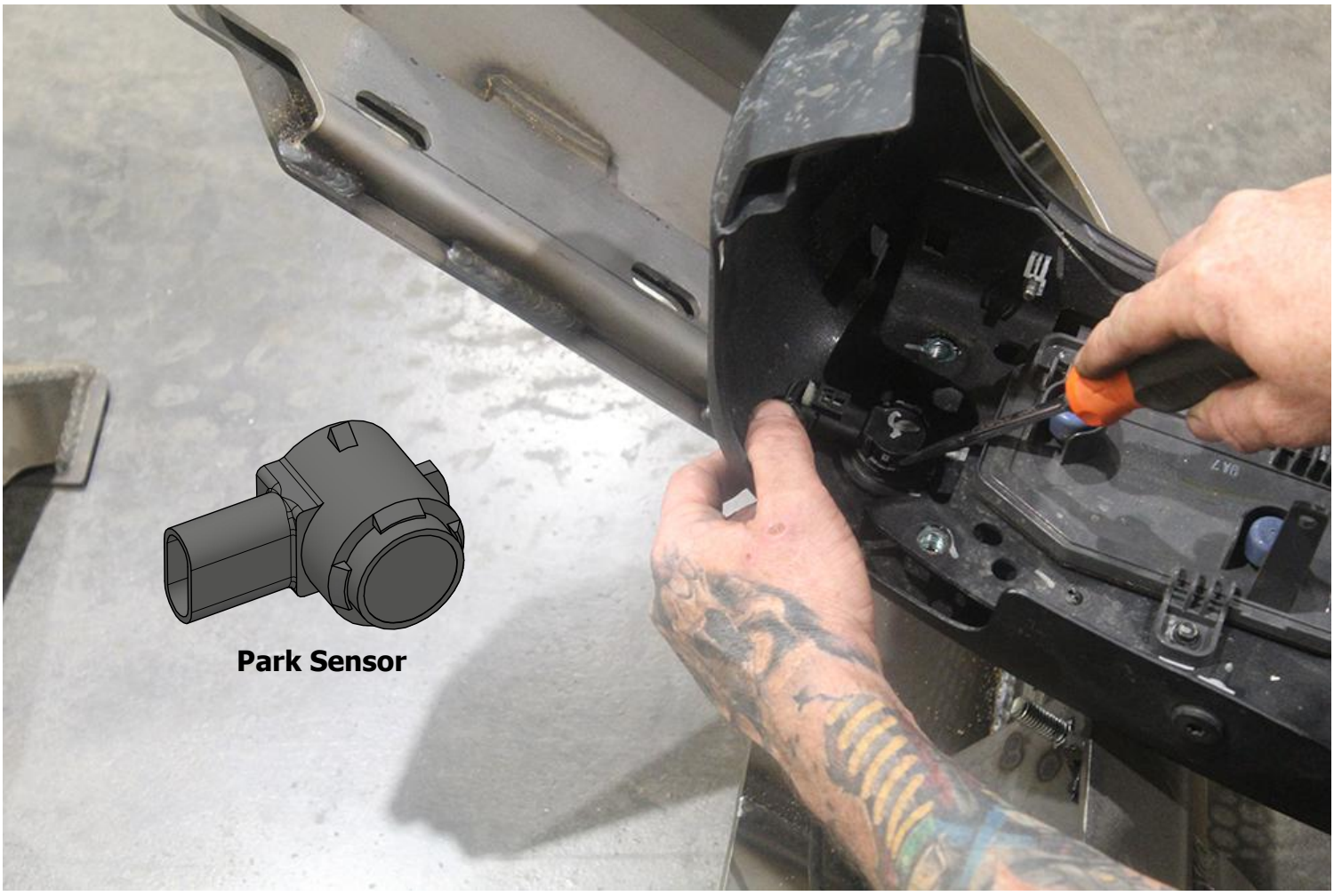
Place your factory rear bumper face down with the wiring facing up.

Label the positions of all wiring connections & park sensors. Example: Park Sensor - Outer Driver, Park Sensor - Middle Driver, Park Sensor - Outer Passenger, Park Sensor - Middle Passenger, Connector - Driver, Connector - Passenger, License Plate Light - Driver, License Plate Light - Passenger.

The wiring connectors that connect the bumper wiring harness to the vehicle's main wiring harness on the driver side are a different shape than the wiring connectors on the passenger side. Labeling them now will ensure you position the bumper wiring harness correctly into your new Motobilt bumper. Also, the positions of the park sensors must be placed back into their relative positions in the new bumper.

Disconnect the four (4) park sensors from the factory rear bumper by opening the plastic bezels slightly with a screwdriver to remove them. The factory plastic bezels will not be reused.

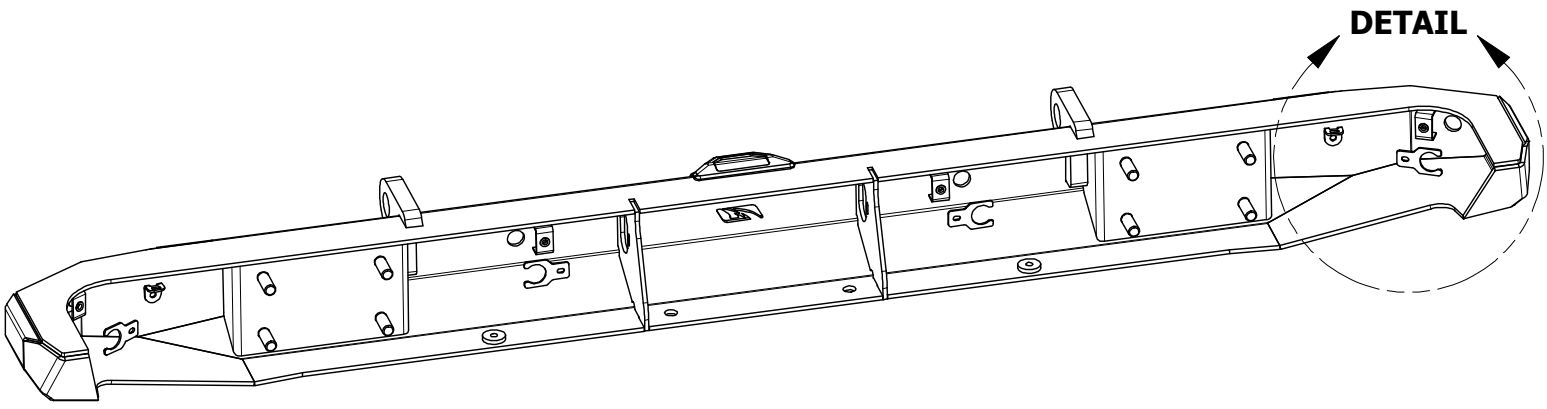
Remove the complete factory wiring & sensors from the factory bumper.

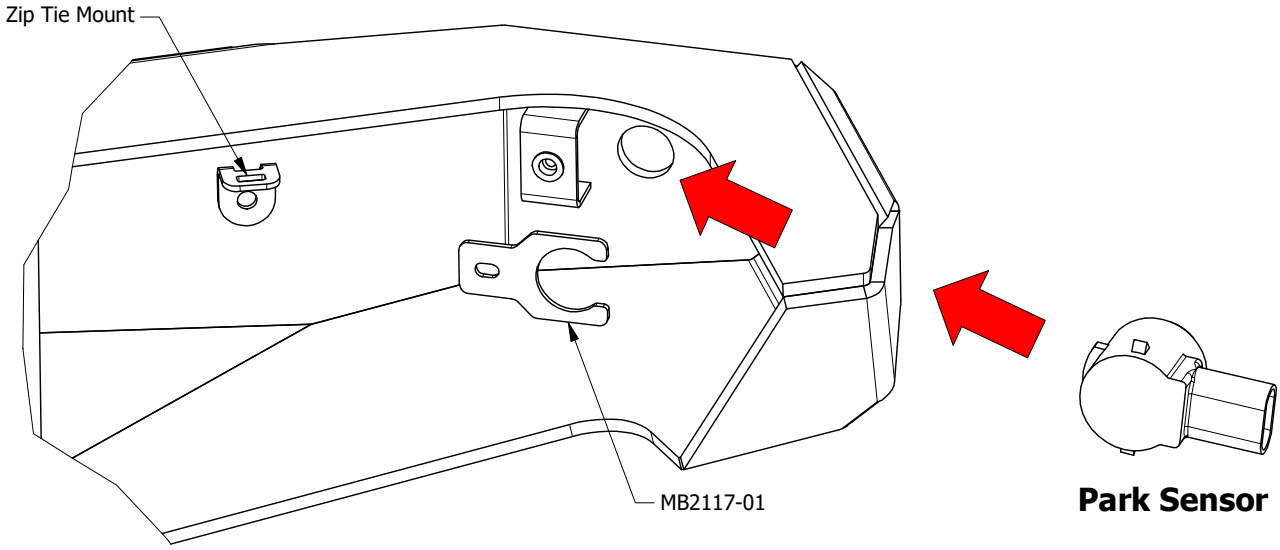


# STEP 35
# BUMPER ASSEMBLY

Install the factory rear bumper wiring harness & factory rear park sensors in the new MB1180 Motobilt Rear Bumper. Place sensors back into their relative positions using your labeling from the previous step.

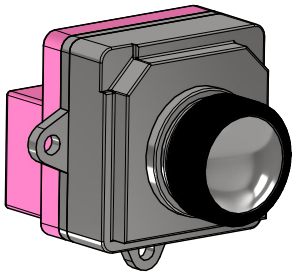
The sensor fits into the hole in the bumper. Use the provided sensor clamps (MB2117-01) to secure the park sensor. Repeat for the other three (3) park sensors.

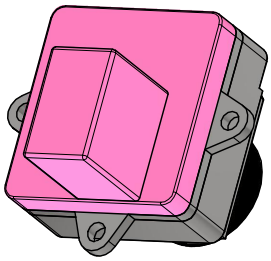


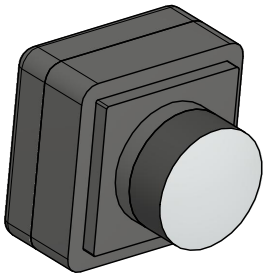

USE BAG LABELED AS
**1180**

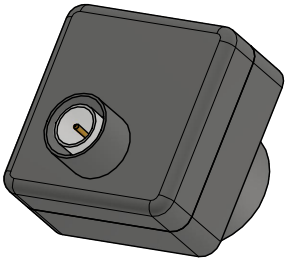
# STEP 36
# IDENTIFYING YOUR REAR CAMERA



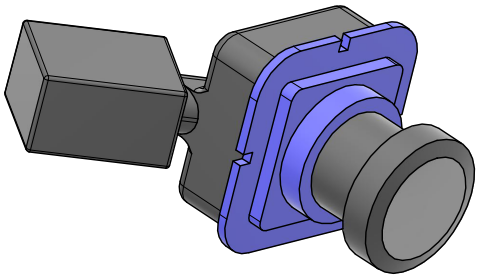


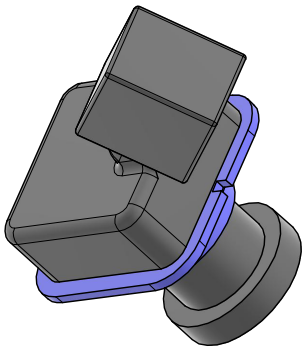
MOPAR PART NUMBERS
68452959AB
68288397AC
68414411AA
68452959AC





MOPAR PART NUMBER
04672852AB
(NOT COMPATIBLE)

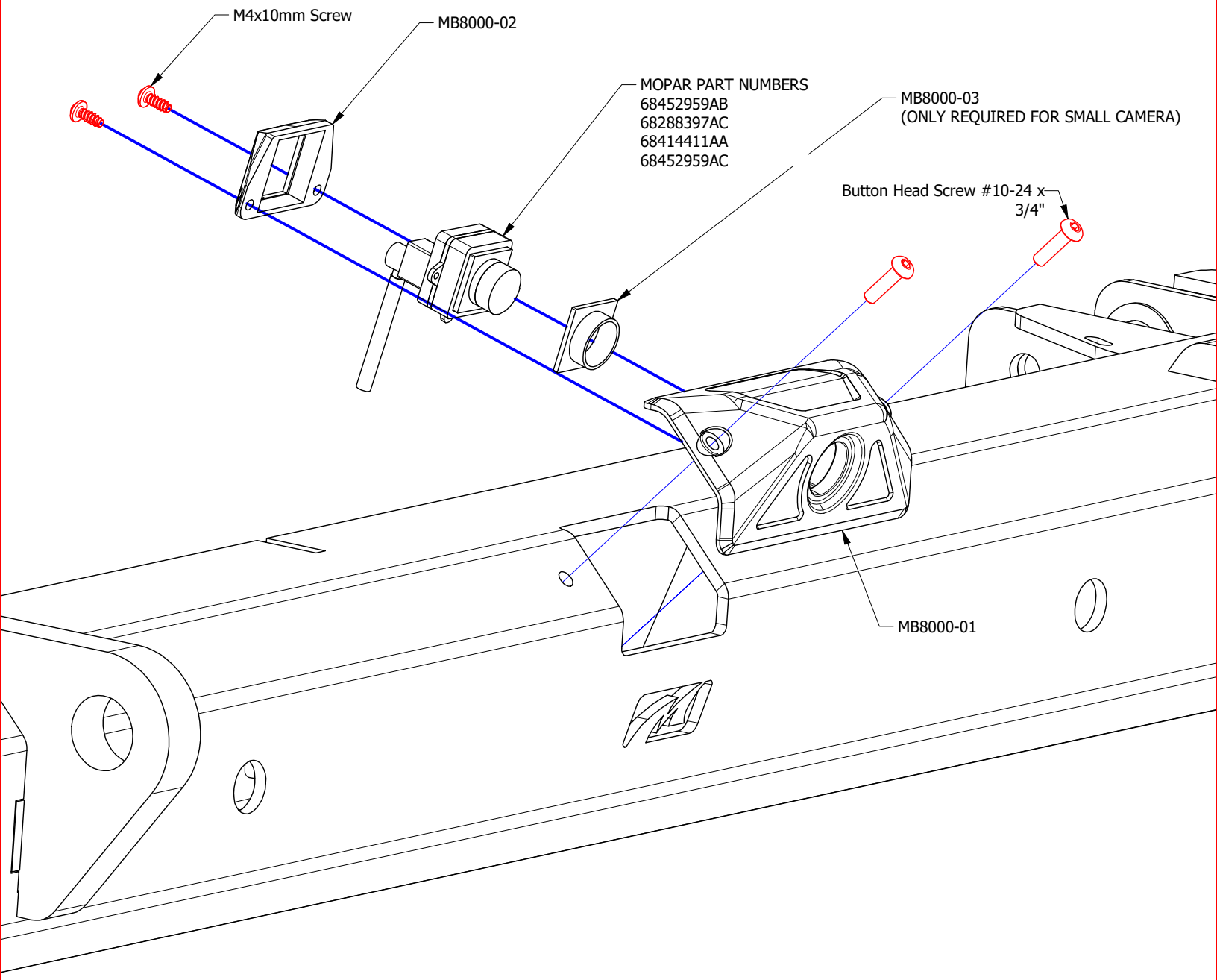




MOPAR PART NUMBER
68417514AA

# MB1178 - Assembly JT Gladiator Bobbed Bed

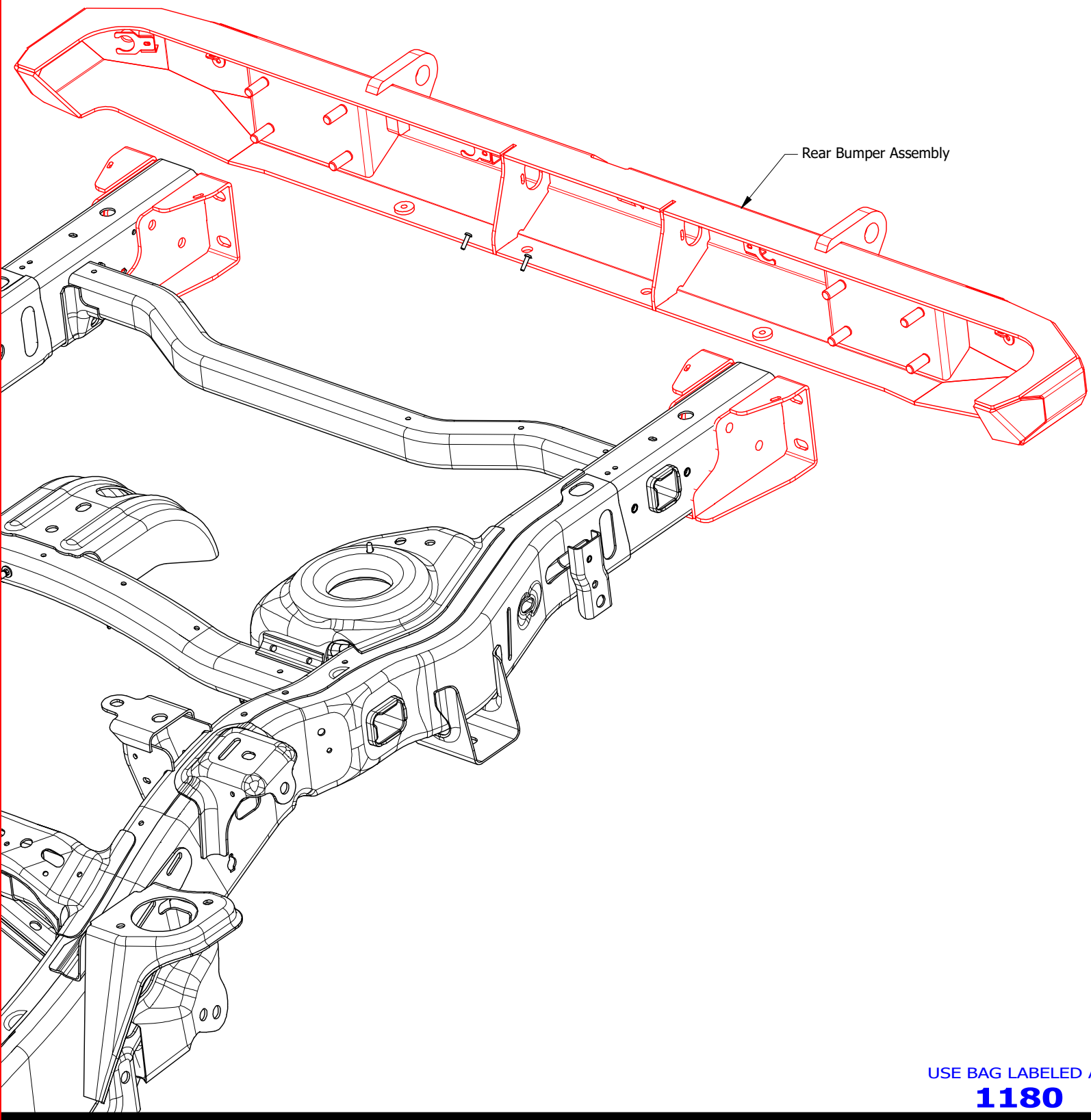
## STEP 37
## CAMERA ASSEMBLY




USE BAG LABELED AS
**1180**

# MB1178 - Assembly JT Gladiator Bobbed Bed

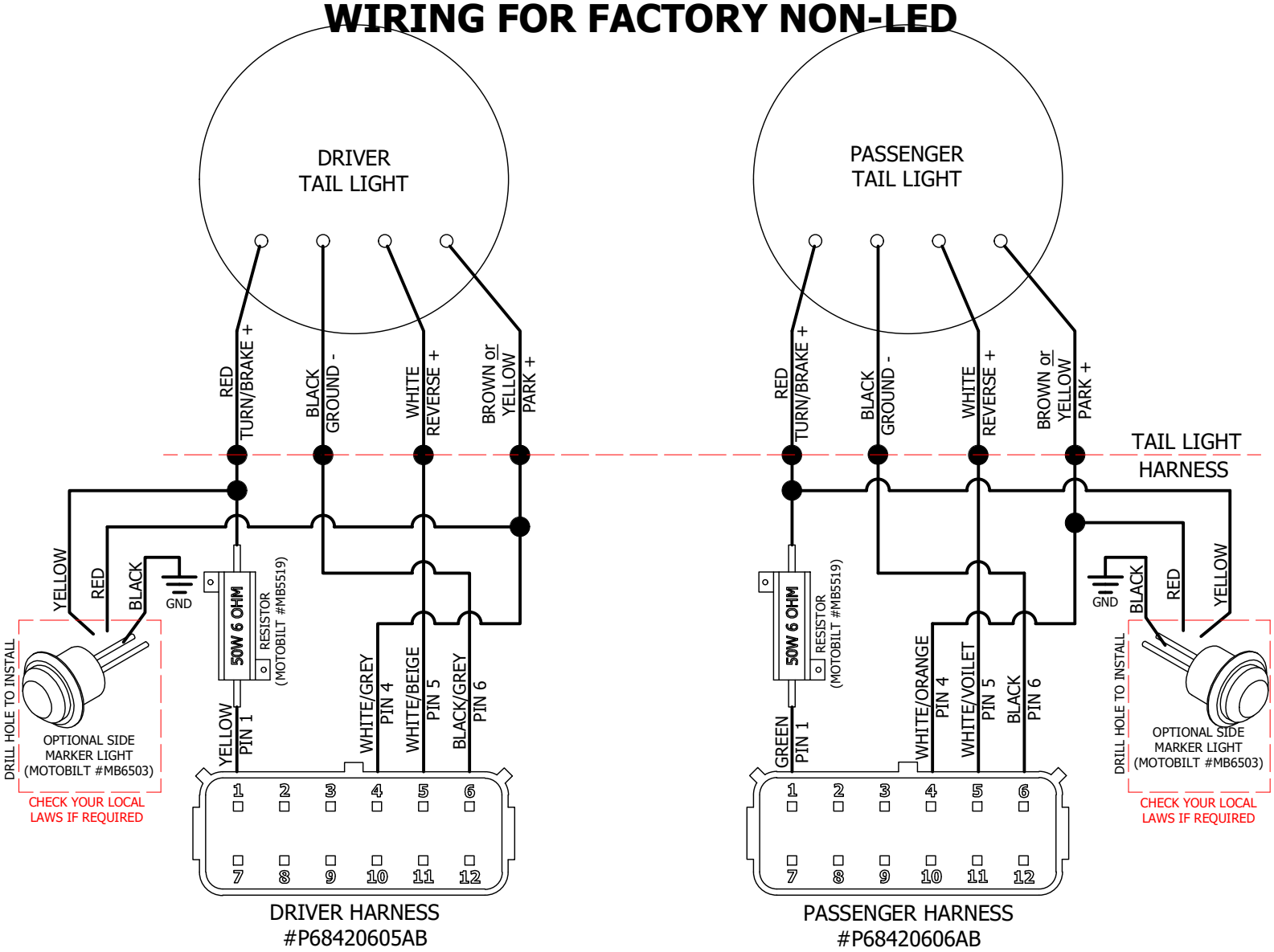
## STEP 38
## BUMPER ASSEMBLY




USE BAG LABELED AS
**1180**

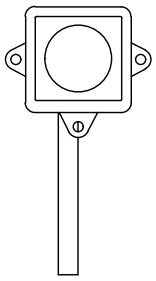
# MB1178 - Assembly JT Gladiator Bobbed Bed

## STEP 39
## WIRING FOR FACTORY NON-LED




MOUNTS IN MB1180 REAR BUMPER

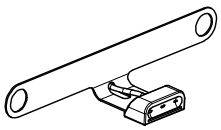
REAR CAMERA



DRIVER HARNESS
#P68398212AB

MOUNTS ON REAR OF MB1178 BED

LICENSE PLATE/
3RD BRAKE LIGHT
(MOTOBILT #LD-PL6)

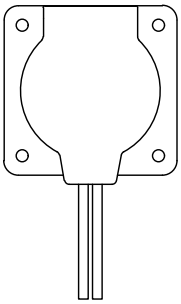


DRIVER HARNESS
#P68397617AB

CHECK YOUR LOCAL
LAWS IF REQUIRED

MOUNTS ON INNER FENDER ON PASSENGER SIDE

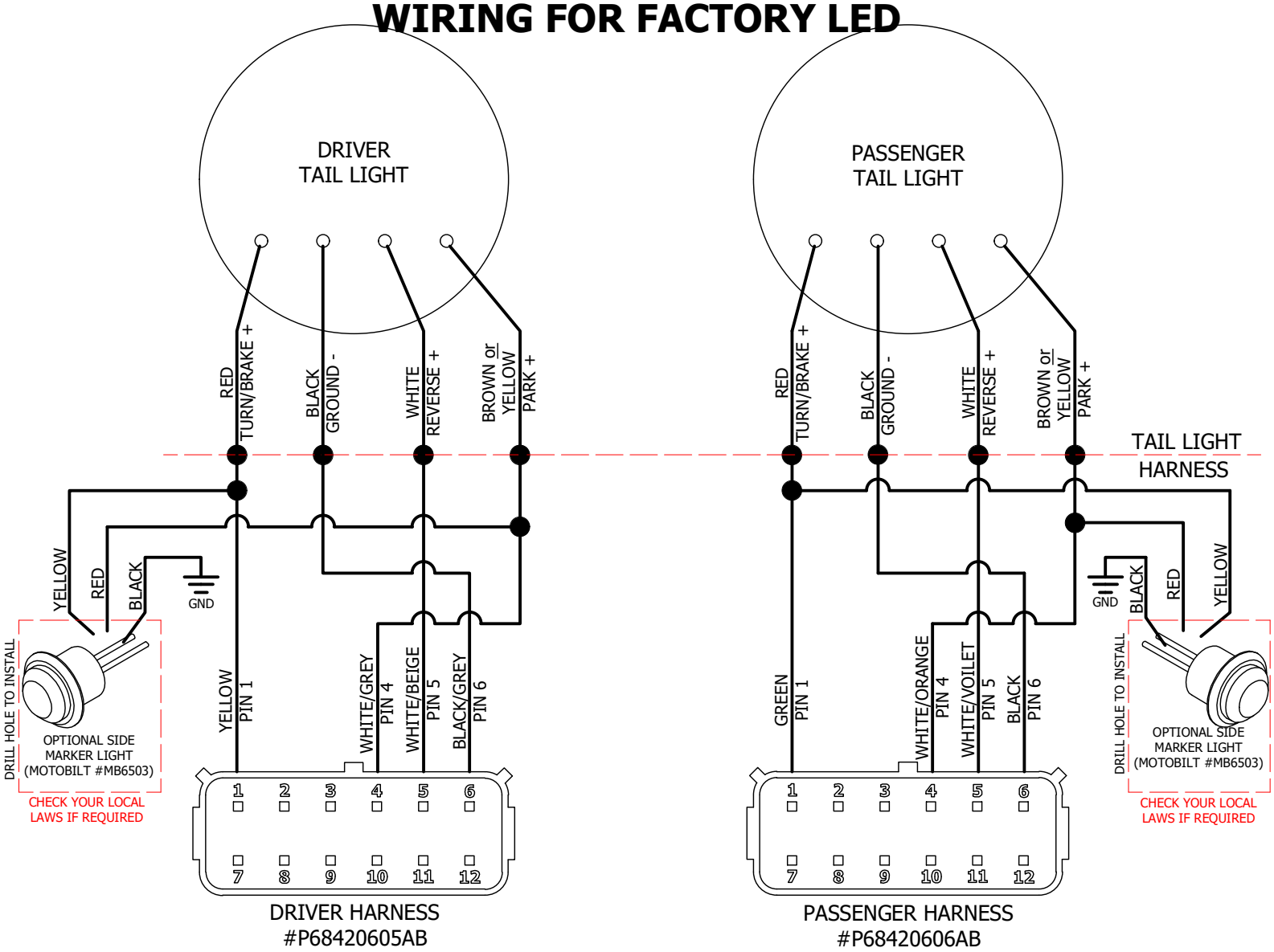
OPTIONAL 120V
RECEPTACLE

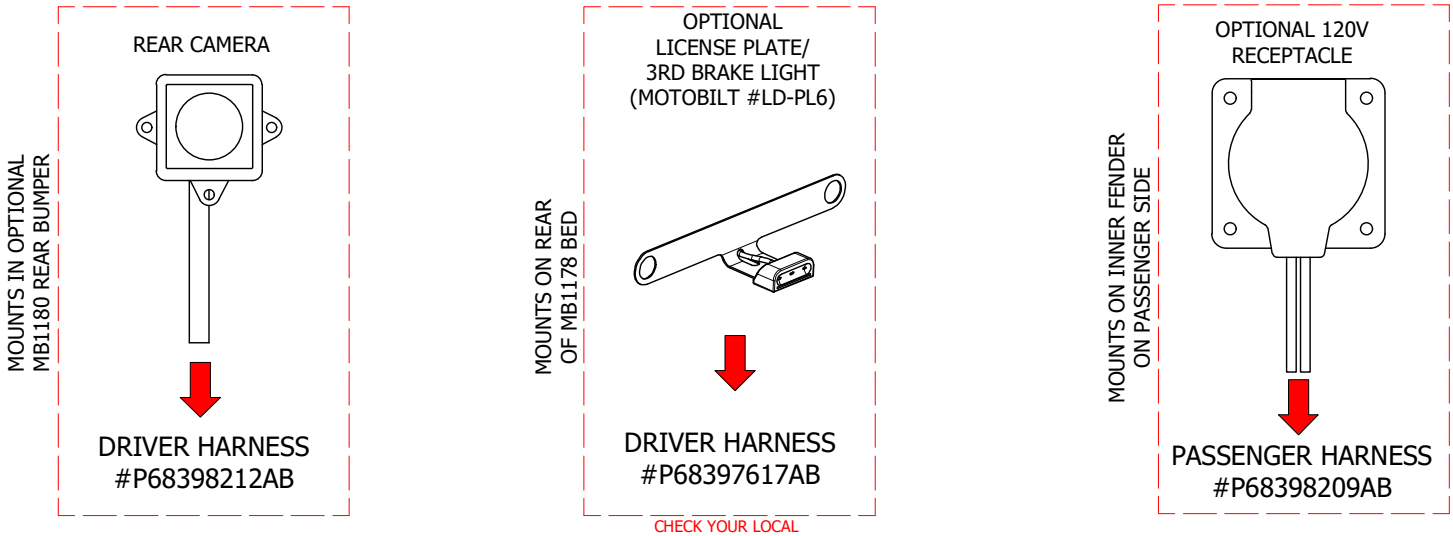


PASSENGER HARNESS
#P68398209AB

# MB1178 - Assembly JT Gladiator Bobbed Bed

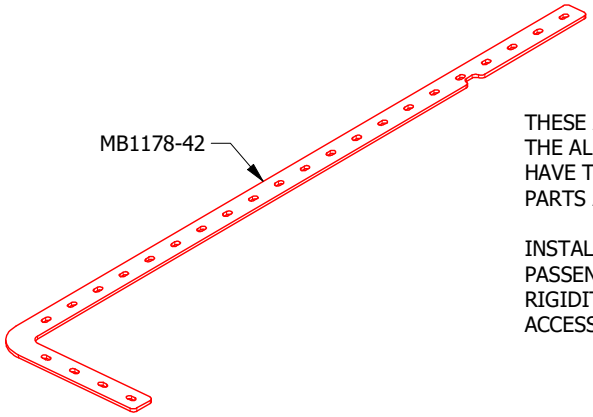
## STEP 40
## WIRING FOR FACTORY LED



# MB1178 - Assembly JT Gladiator Bobbed Bed

## STEP 41
## INSTALL STRONGBACK PLATES
### (APPLIES TO ALUMINUM VERSION OF BED ONLY MB1178-A)




THESE ARE STEEL STRONGBACK PLATES THAT ARE ONLY INCLUDED WITH THE ALUMINUM VERSION OF THE BOBBED BEDS MB1178-A. NOTE: IF YOU HAVE THE ALL STEEL VERSION OF THE BOBBED BED (MB1178), THESE PARTS ARE NOT INCLUDED.

INSTALL MB1178-42 UNDER THE TOP FLANGE OF BOTH THE DRIVER & PASSENGER OUTER FENDERS. THIS IS TO PROVIDE EXTRA STRENGTH & RIGIDITY TO THE TOP ALUMINUM FLANGE FOR BOLTING ON OPTIONAL ACCESSORIES.

