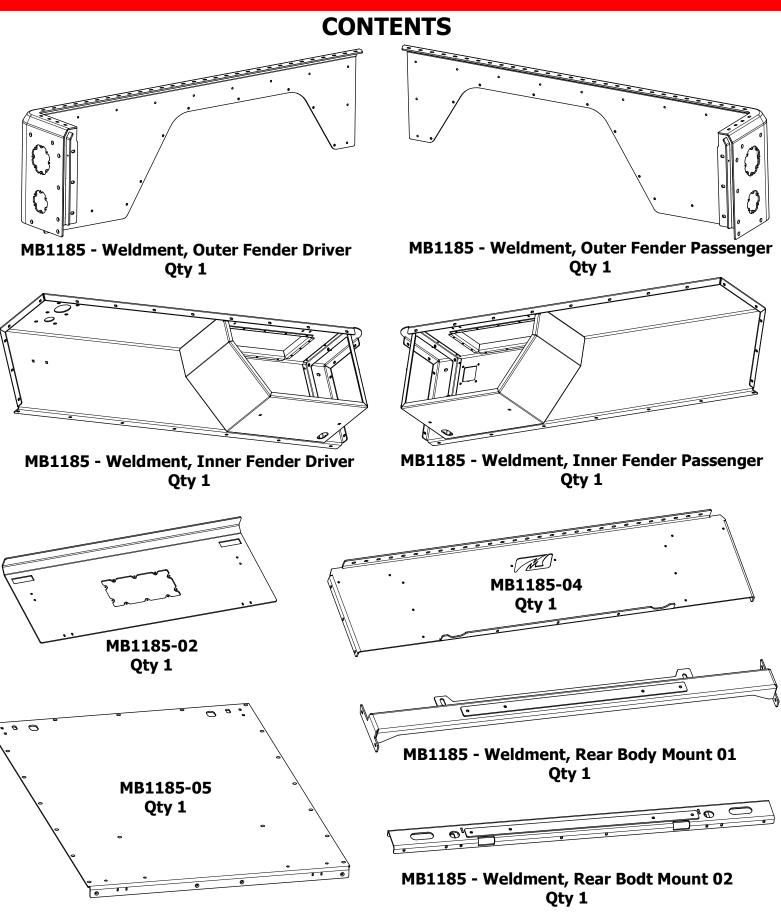


ASSEMBLY INSTRUCTIONS

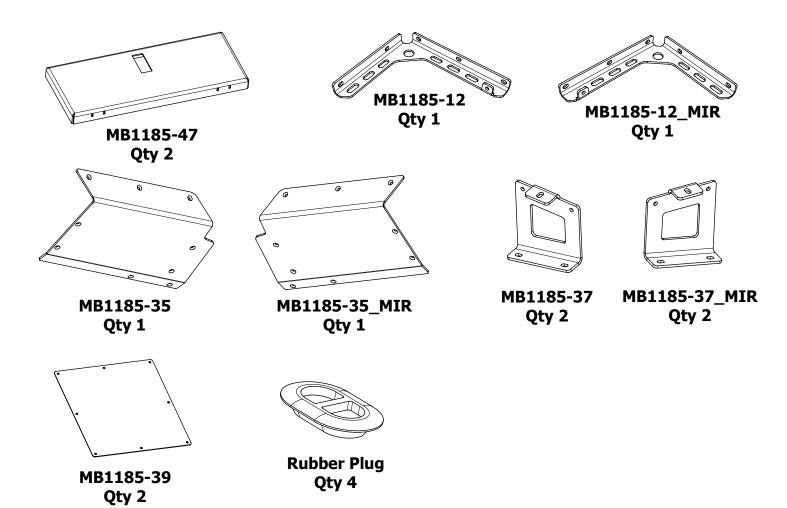








CONTENTS

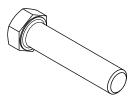




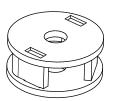
BAG LABELED AS 1185-KIT01







Hex Bolt 9/16"-12 x 2-1/2" Qty 2



MB1185 - Weldment, Front Body Mount Qty 2



Flat Washer 9/16" Qty 12



Nylock Nut 9/16"-12 Qty 6

BAG LABELED AS 1185-KIT02



Countersunk Screw 1/4"-20 x 3/4" Qty 60





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



Flat Washer 1/4" Qty 100



Nylock Nut 1/4"-20 Qty 100

BAG LABELED AS

1185-KIT03



Hex Bolt 3/8"-16 x 1" Oty 10



Flat Washer 3/8" Qty 16



Nylock Nut 3/8"-16 Qty 6

BAG LABELED AS

1185-KIT04



Rubber Bumper Qty 2



MB1185-32 Qty 6

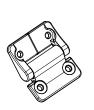


Hex Button Head Screw #8-32 x 3/4" Qty 2



Machine Nut #8-32 Qty 2





Hinge Qty 6

BAG LABELED AS 1185-KIT05



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



Flat Washer M6 Qty 24



Nylock Nut #10-24 Qty 24





Qty 2



MB1185-26 Qty 2



MB1185-25 Qty 2



Countersunk Screw 1/4"-20 x 3/4" Qty 4



Hex Bolt 5/16"-18 x 1" Qty 4



Flat Washer 5/16" Qty 6



Nylock Nut 5/16"-18 Qty 4



Hex Nut 5/16"-18 Qty 2

BAG LABELED AS



Flat Washer 1/4"

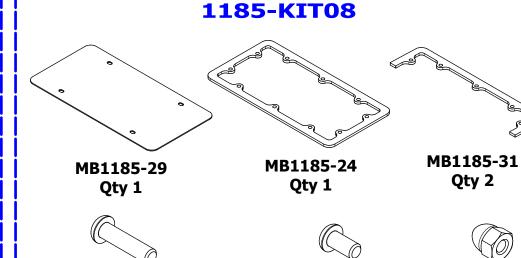
Nylock Nut 1/4"-20 Qty 4 Qty 4

BAG LABELED AS 1185-KIT07



Push Latch Qty 2







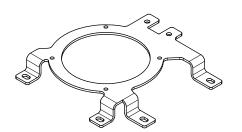
Hex Button Head Screw 1/4"-20 x 1/2" Qty 6

Cap Nut 1/4"-20 Qty 4

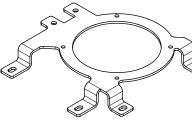
Qty 2



BAG LABELED AS **1185-KIT09**



MB1185-22 Qty 1



MB1185-22_MIR Qty 1



MB1185-30 Qty 2



MB1185-28 Qty 2







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

1185-KIT10



MB1178-23 Qty 2



Hex Button Head Screw 1/4"-20 x 3/4" Qty 28

BAG LABELED AS

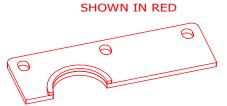
1185-KIT11

Not Applicable

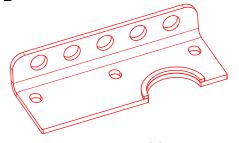


GASOLINE COMPATIBLE PARTS

MB1185 - Assembly Instructions JT Gladiator Long Bed



MB1185 - Weldment, Filler Clamp 01 - Gas Qty 1



MB1185 - Weldment, Filler Clamp 02 - Gas



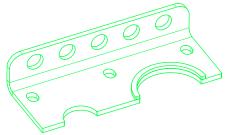
Flat Washer 3/8" Qty 12

BAG LABELED AS 1185-KIT12



DIESEL COMPATIBLE PARTS

MB1185 - Weldment, Filler Clamp 01 - Diesel Qty 1



MB1185 - Weldment, Filler Clamp 02 - Diesel Qty 1



Nylock Nut 3/8"-14 Qty 6

GASOLINE COMPATIBLE PARTS SHOWN IN RED

Hex Bolt

3/8"-16 x 1-1/2"

Qty 6

BAG LABELED AS 1185-KIT13

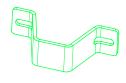




Hex Bolt Hex Button Head Screw #10-24 x 3/4" Qty 5 Qty 20



1/4"-20 x 3/4"



DIESEL COMPATIBLE PARTS

SHOWN IN GREEN

MB1185-15 **Nozzle Clamp 02 - Diesel** Qty 1



MB1185-46

Nozzle Clamp 01 - Gas

Qty 1

MB1185-16 **Mounting Plate Clamp** (common to both Gas & Diesel) Qty 1



Carriage Bolt

5/16" x 3/4"

Qty 6

Flat Washer 5/16" Qty 6



Nylock Nut 5/16"-18 Qty 6



Flat Washer М6 Qty 20



Nylock Nut #10-24 Qty 20



Flat Washer 1/4" Qty 10



Nylock Nut 1/4"-20 Qty 5



MB1185-40 Nozzle Clamp 03 - Diesel Qty 1





MB1185-21 Qty 2

BAG LABELED AS **1185-KIT14**



Hex Bolt 5/16"-18 x 1" Qty 4



Flat Washer 5/16" Qty 8



Nylock Nut 5/16"-18 Qty 4

BAG LABELED AS 1185-KIT15



MB1185-20 Qty 1



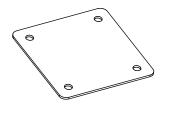
Hex Bolt 1/4"-20 x 3/4" Qty 2



Flat Washer 1/4" Qty 2



Nylock Nut 1/4"-20 Qty 2



MB1185-27 Oty 1

BAG LABELED AS **1185-KIT16**



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



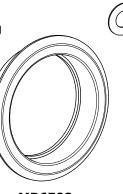
Flat Washer 1/4" Qty 8



Nylock Nut 1/4"-20 Qty 4



MB5519 Resistor for Non-LED Wiring Qty 2



MB6502 Grommet Qty 2

1185-KIT17

BAG LABELED AS

Light, License Plate Qty 1



MB6502 LED Tail Light Qty 2

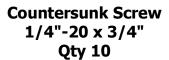


Side Marker Light Red Color Qty 2



BAG LABELED AS 1185-SPARES







Hex Bolt 1/4"-20 x 3/4" Qty 10



Flat Washer 1/4" Qty 10



Nylock Nut 1/4"-20 Qty 10



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



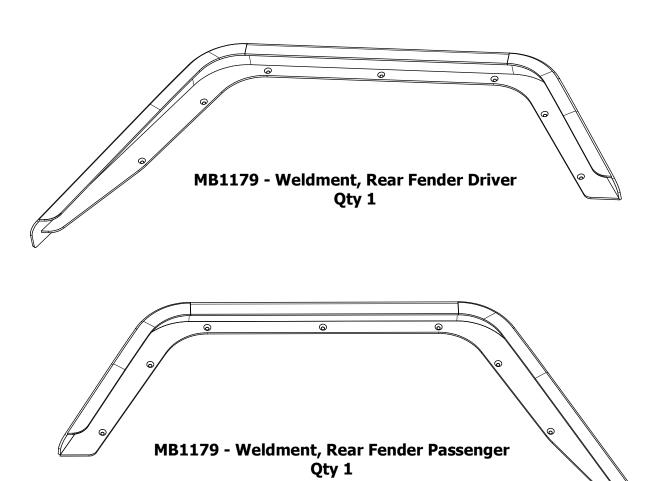
Nylock Nut #10-24 Qty 10

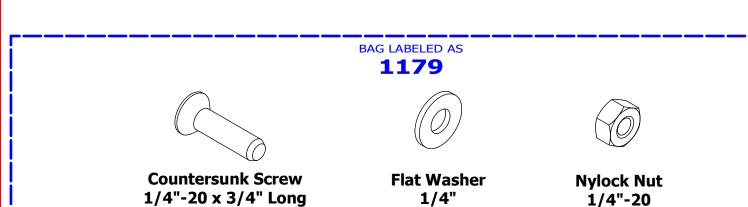


Hex Button Head Screw 1/4"-20 x 1/2" Qty 10



MB1179 - Assembly Rear Fenders





Qty 14

Qty 14

Qty 14

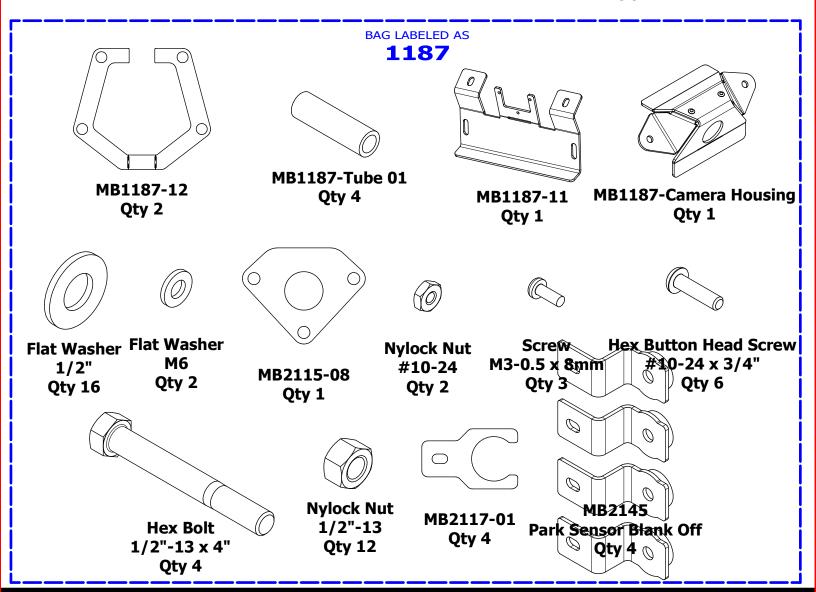


MB1187 - Assembly Rear Bumper



MB1187 - Weldment, Frame Mount Passenger Qty 1

MB1187 - Weldment, Frame Mount Driver Qty 1





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.

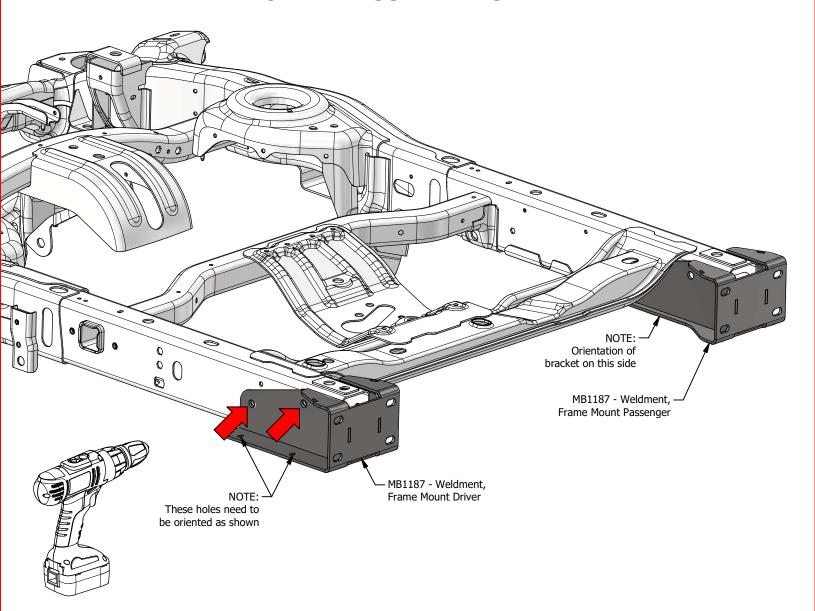
Sensor Compatibilty (if equipped)

The MB1185 Gladiator Long 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 MB1187 Gladiator Rear Bumper **IS** designed to reuse the park assist sensors in the factory rear bumper. The kit also includes blank off plates if your vehicle does not include the factory park assist sensors.

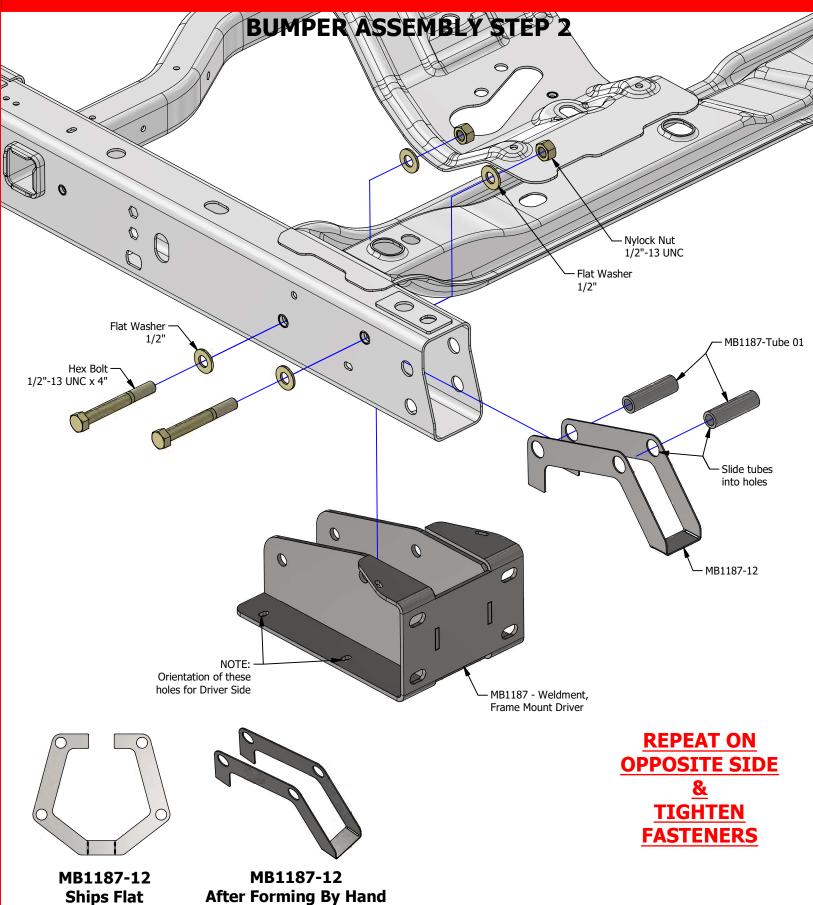


BUMPER ASSEMBLY STEP 1



- 1. Temporarily clamp MB1187 Weldment, Frame Mount Driver & MB1187 Weldment, Frame Mount Passenger (a.k.a. "brackets") to the ends of the factory frame as shown. Align with existing threaded holes in the frame.
- 2. With the brackets temporarily clamped in place & aligned, use a Drill with 1/2" diameter drill bit to drill through the existing threaded inserts in the frame & drill all the way through to match with the holes in the brackets on the opposite side of the frame.
- 3. Check fitment of 1/2" bolts in all four (4) drilled holes.
- 4. Remove brackets from frame.
- 5. Paint all MB1187 bumper components.





14

Qty 2

Qty 2

USE BAG LABELED AS

1187



BUMPER ASSEMBLY STEP 3

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.

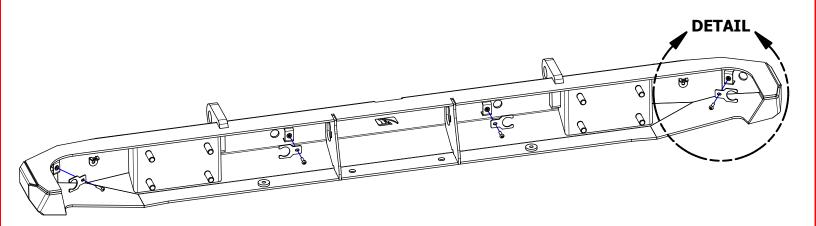


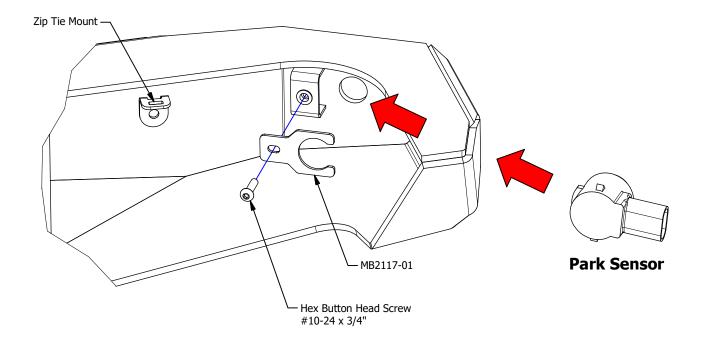


BUMPER ASSEMBLY STEP 4

Install the factory rear bumper wiring harness & factory rear park sensors in the new MB1187 Motobilt Rear Bumper. Place sensors back into their relative positions using your labeling from the previous step.

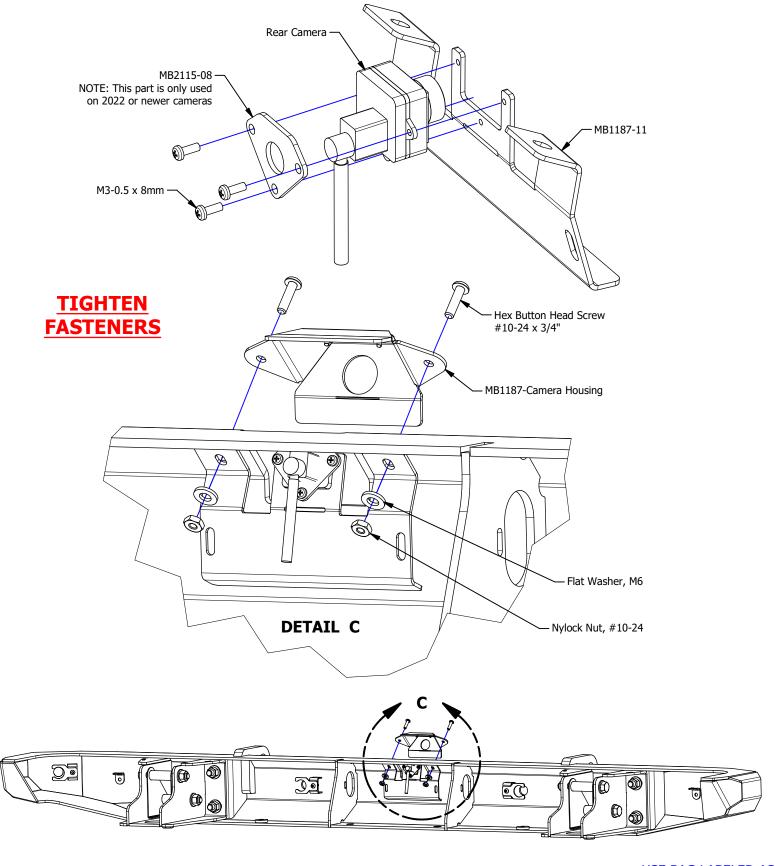
The sensor fits into the hole in the bumper. Use the provided sensor clamps (MB2117-01) to secure the park sensor. Repeat for the other three (3) park sensors.







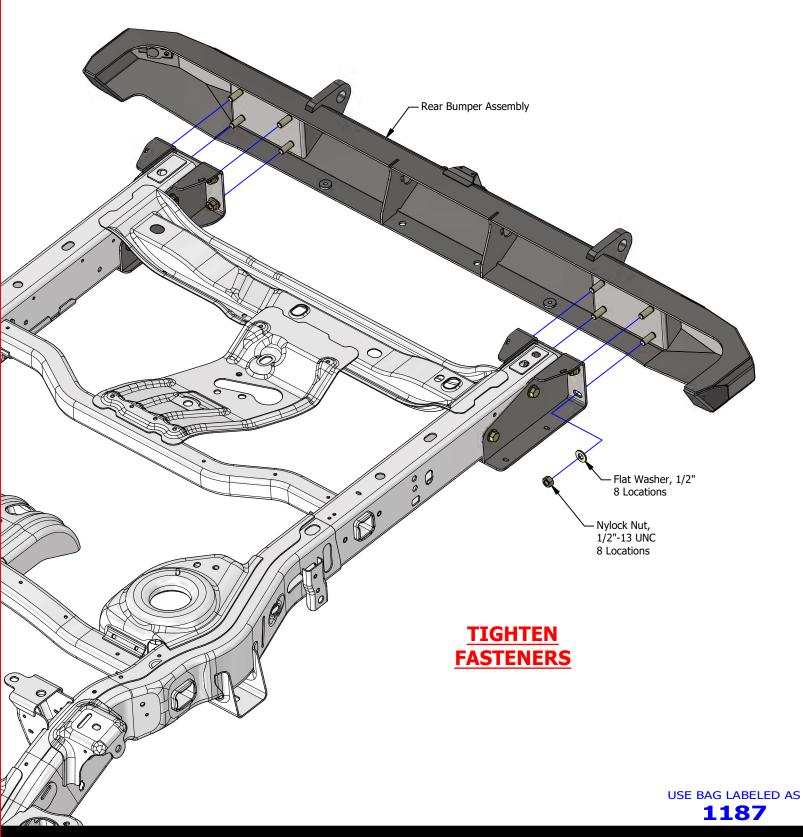
BUMPER ASSEMBLY STEP 5



USE BAG LABELED AS **1187**

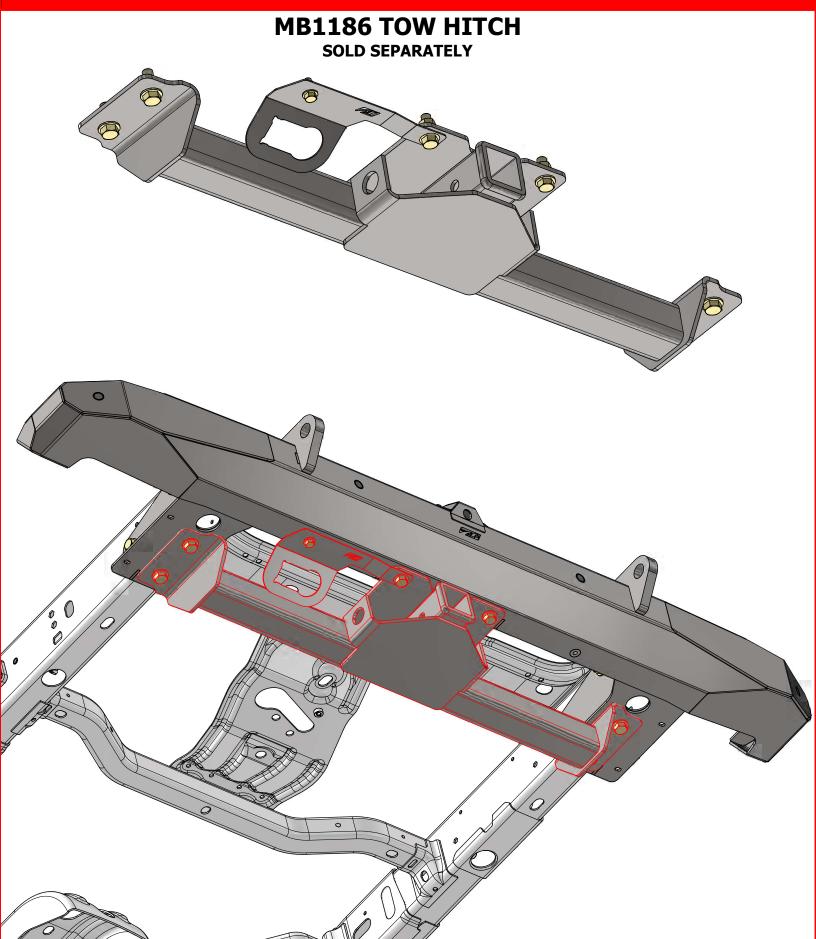


BUMPER ASSEMBLY STEP 6

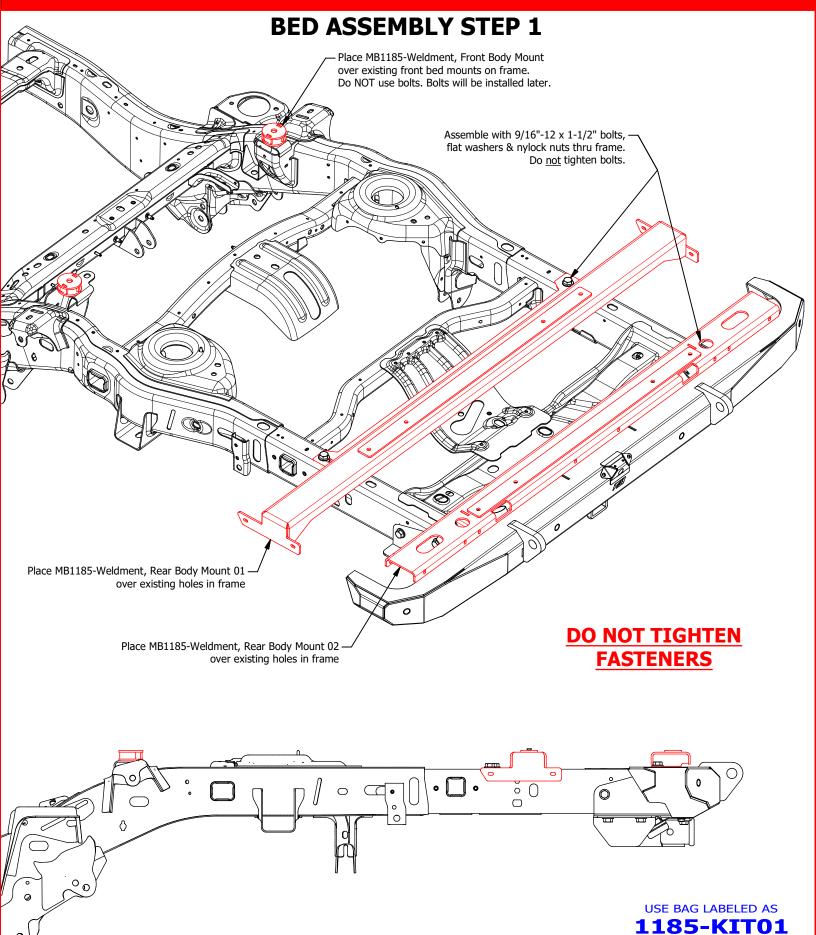




MB1186 - Assembly Instructions Tow Hitch for MB1185

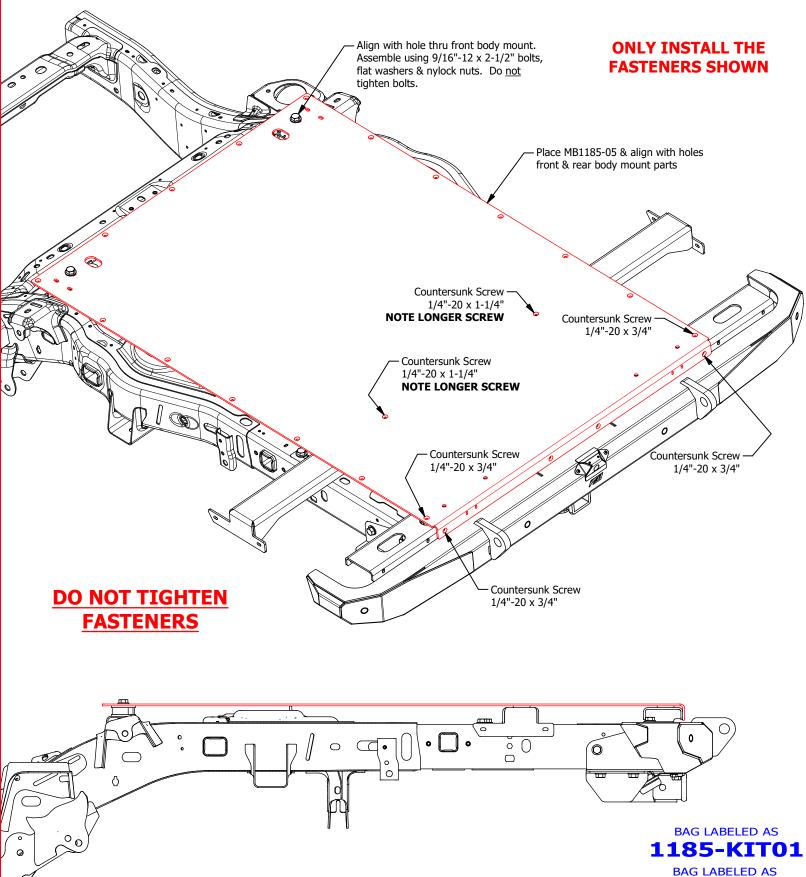








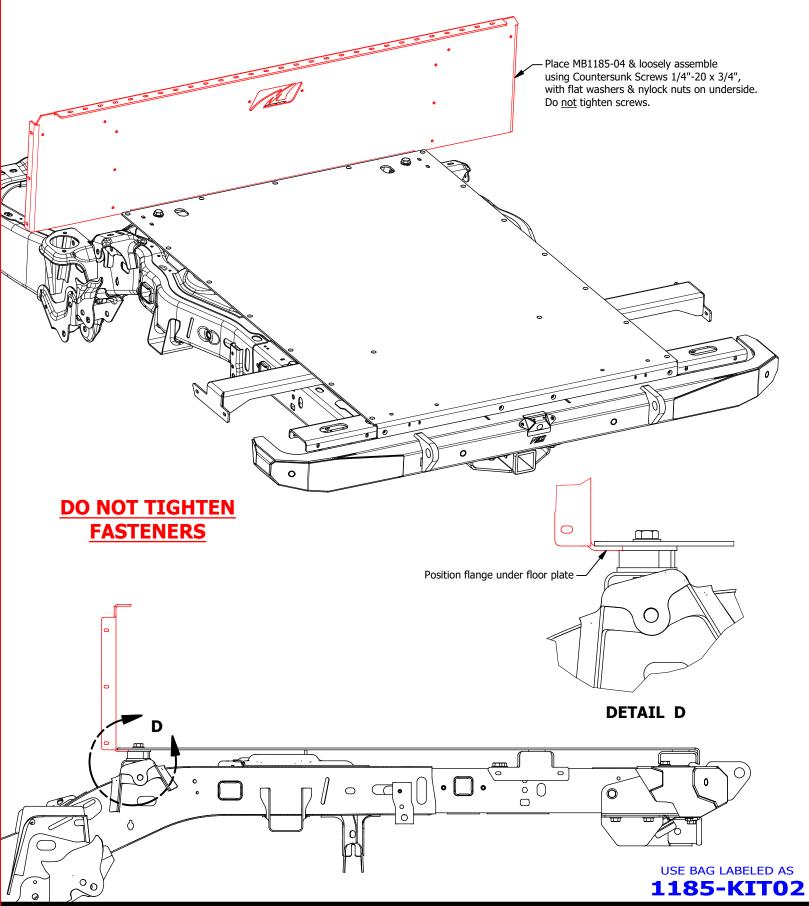
BED ASSEMBLY STEP 2



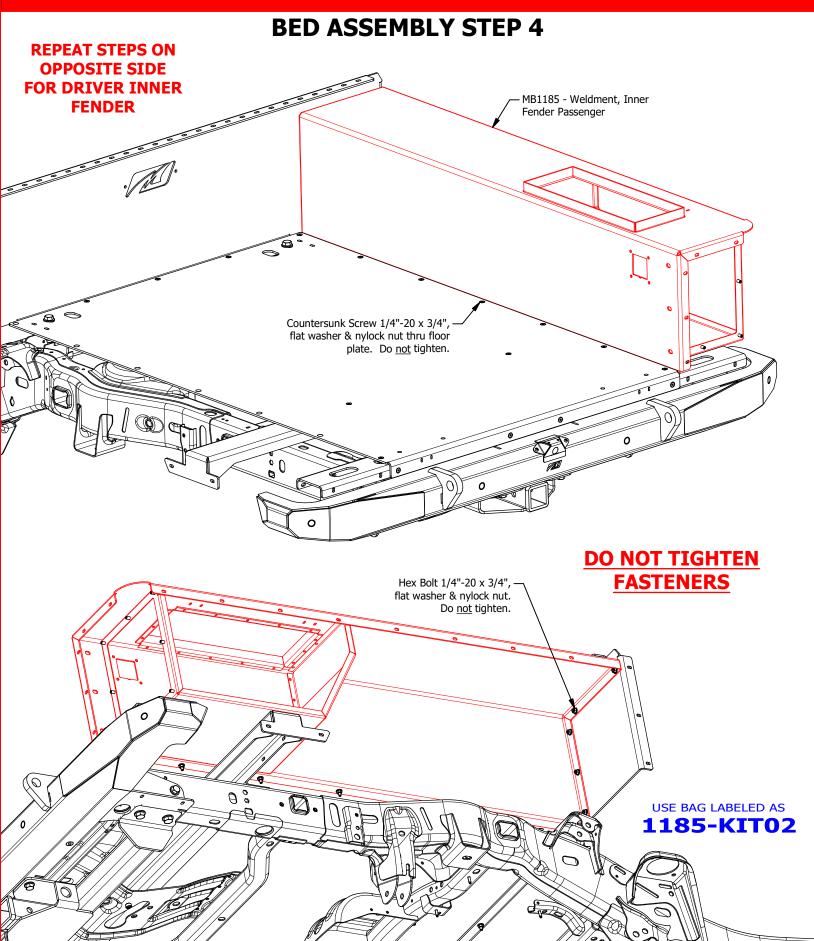
1185-KIT02



BED ASSEMBLY STEP 3

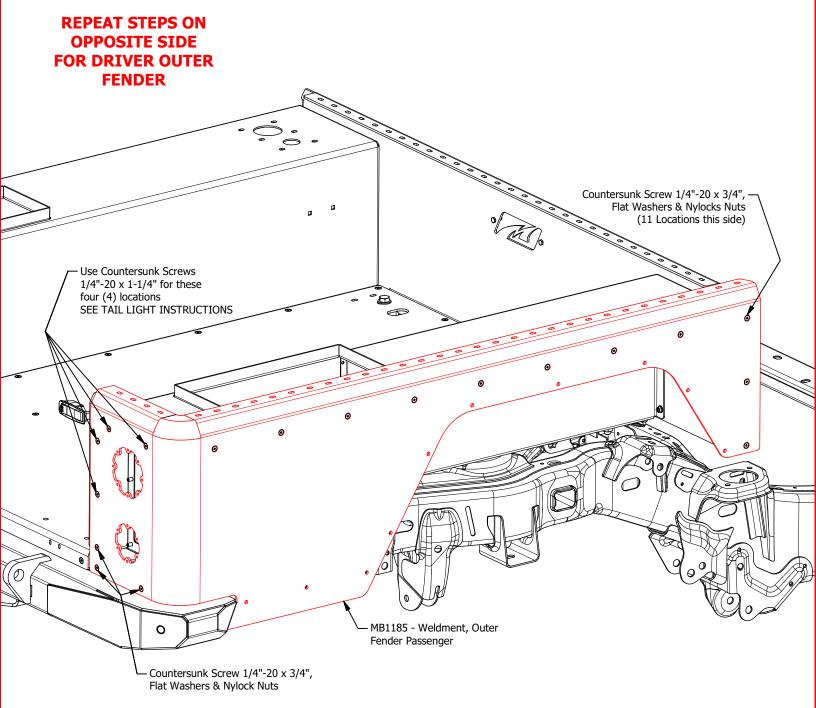








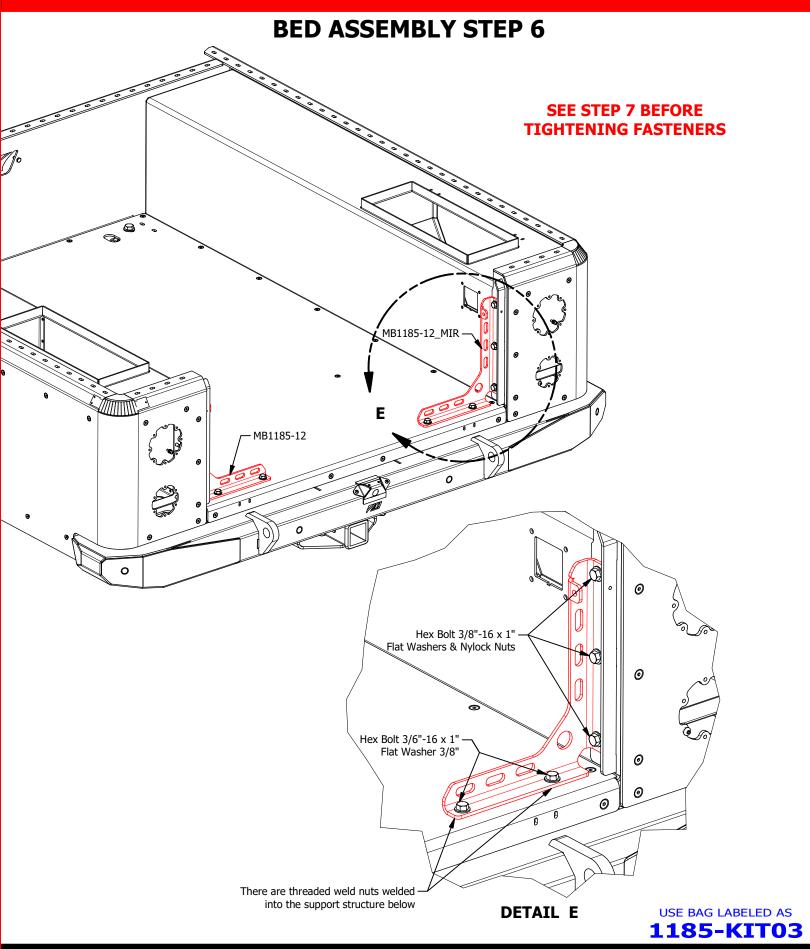
BED ASSEMBLY STEP 5



DO NOT TIGHTEN FASTENERS

USE BAG LABELED AS 1185-KIT02







BED ASSEMBLY STEP 7 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 #MB1185-12 & #MB1185-12_MIR (from Step 07) starting with the bolts going through the floor plates, then the vertical bolts going through the outer & inner fenders.



fenders.

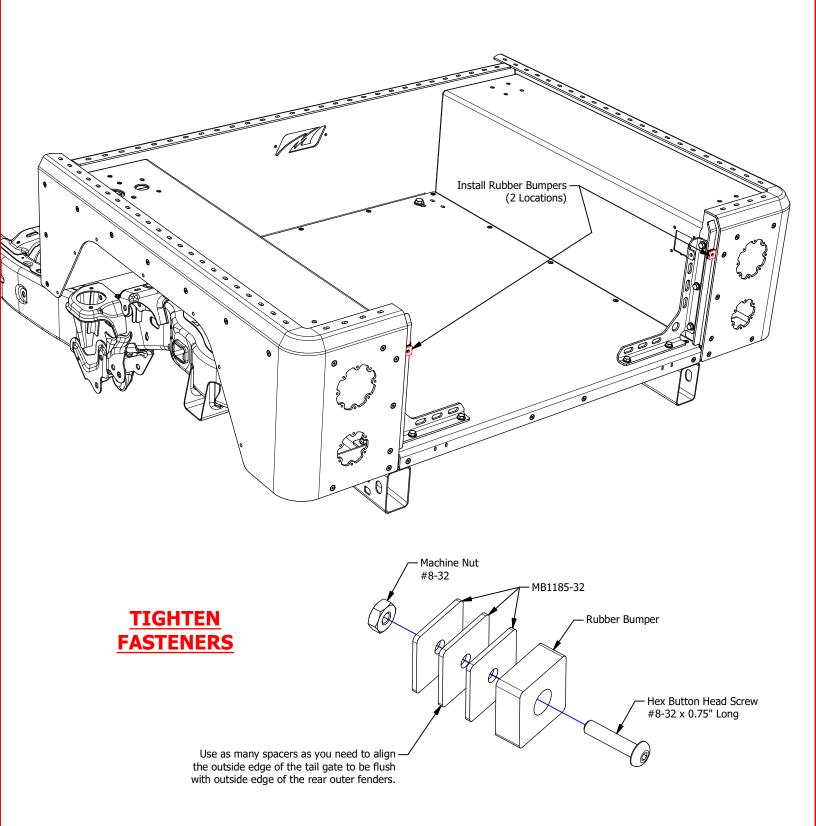
Measure the upper inside distance between the outer fenders.

If both measurements are equal & the outer fenders are square to the floor plate, then <u>tighten all fasteners</u> installed up to this point.

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



BED ASSEMBLY STEP 8



USE BAG LABELED AS 1185-KIT04



BED ASSEMBLY STEP 9



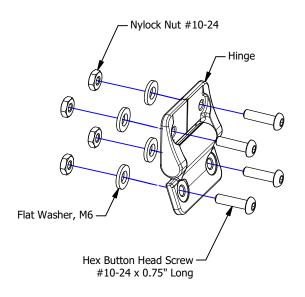
Place the Tailgate MB1185-02 in the opening. Clamp so the top edge of Tailgate is flush with the top of the outer fenders (see photo). Driver side shown. Repeat for passenger side.

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.

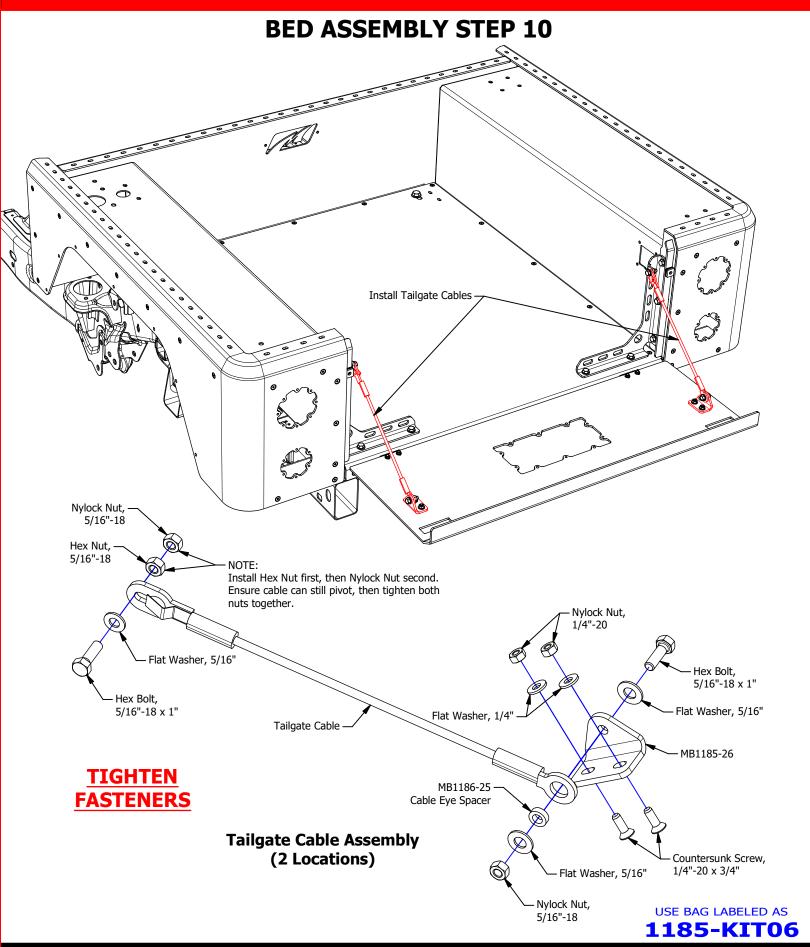
Test function of hinges by opening the Tailgate. Adjust hinges if necceaary.



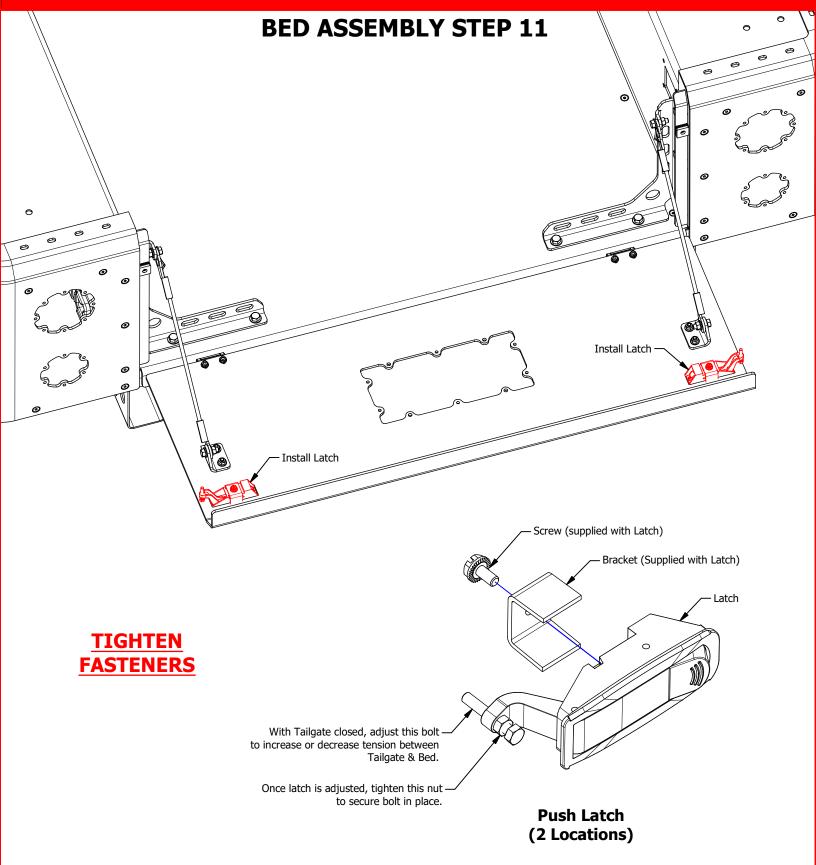


USE BAG LABELED AS **1185-KIT05**





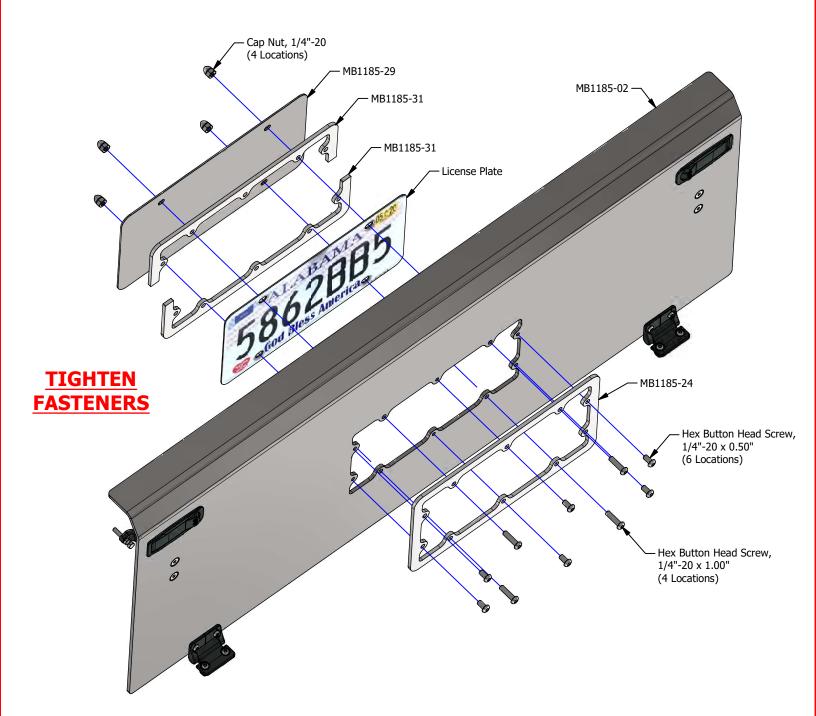




USE BAG LABELED AS



BED ASSEMBLY STEP 12

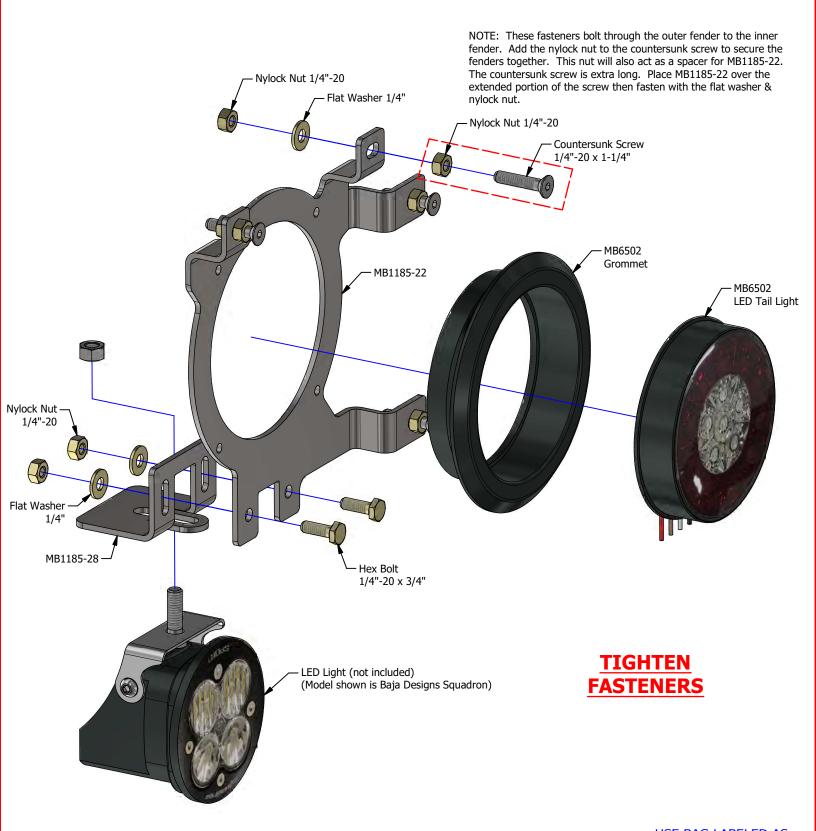


License Plate Assembly

USE BAG LABELED AS
1185-KIT08



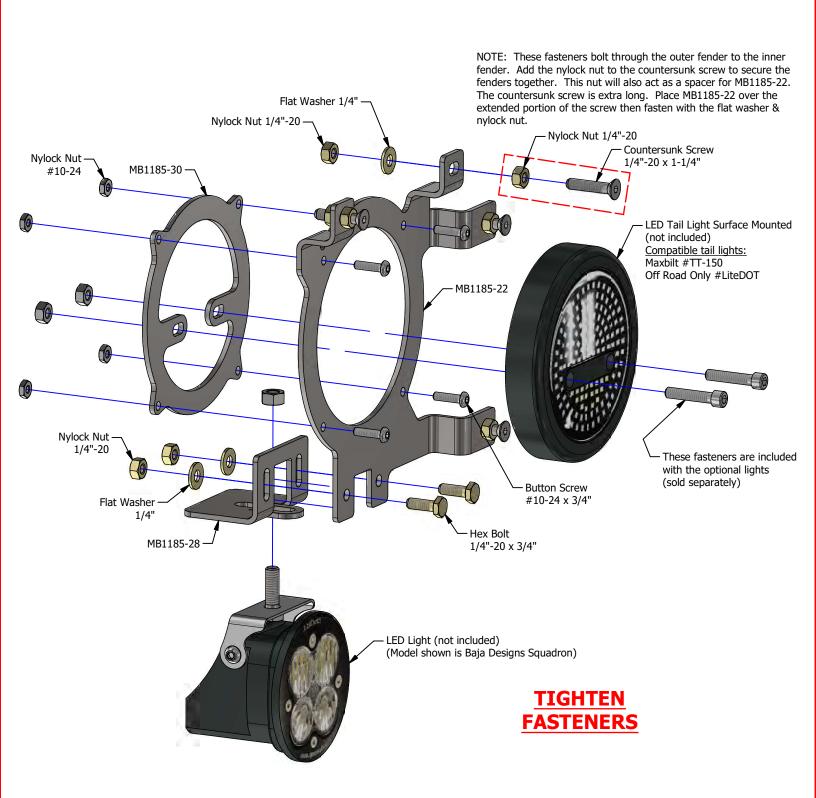
BED ASSEMBLY STEP 13



USE BAG LABELED AS
1185-KIT09
USE BAG LABELED AS
1185-KIT17



BED ASSEMBLY STEP 14

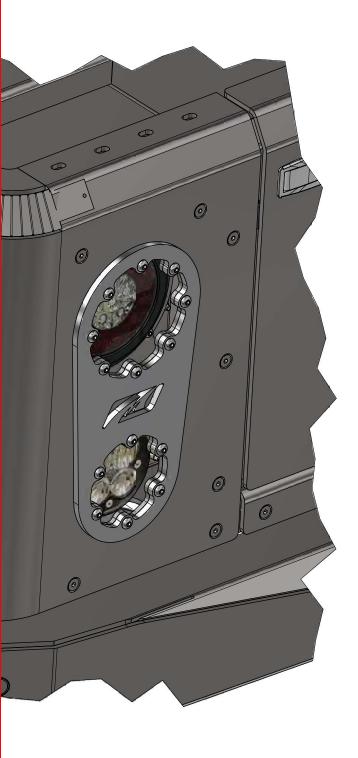


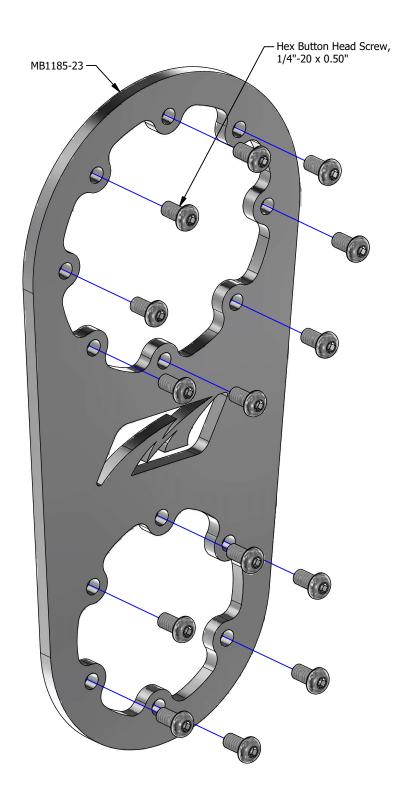
ALTERNATE LIGHT MOUNTING

USE BAG LABELED AS **1185-KIT09**USE BAG LABELED AS **1185-KIT17**



BED ASSEMBLY STEP 15





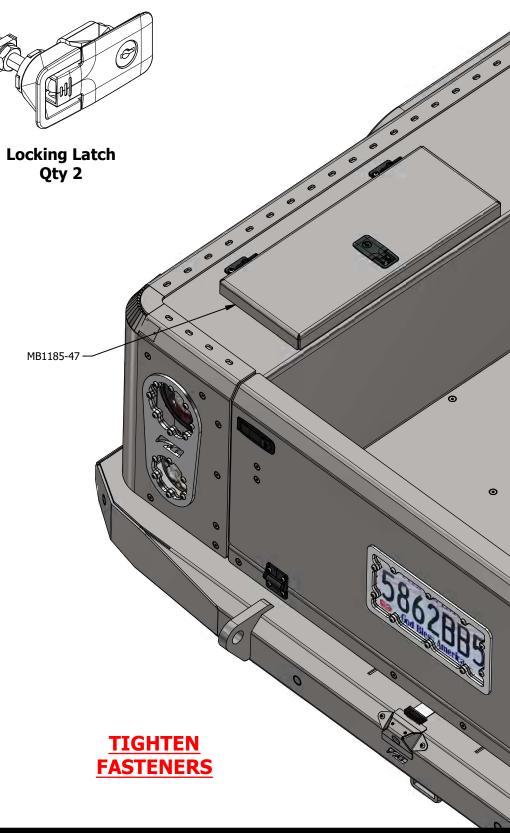
TIGHTEN FASTENERS

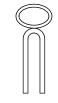
EXTERIOR TAIL LIGHT TRIM ASSEMBLY 2 LOCATIONS

USE BAG LABELED AS 1185-KIT10

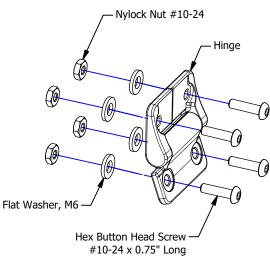


BED ASSEMBLY STEP 16

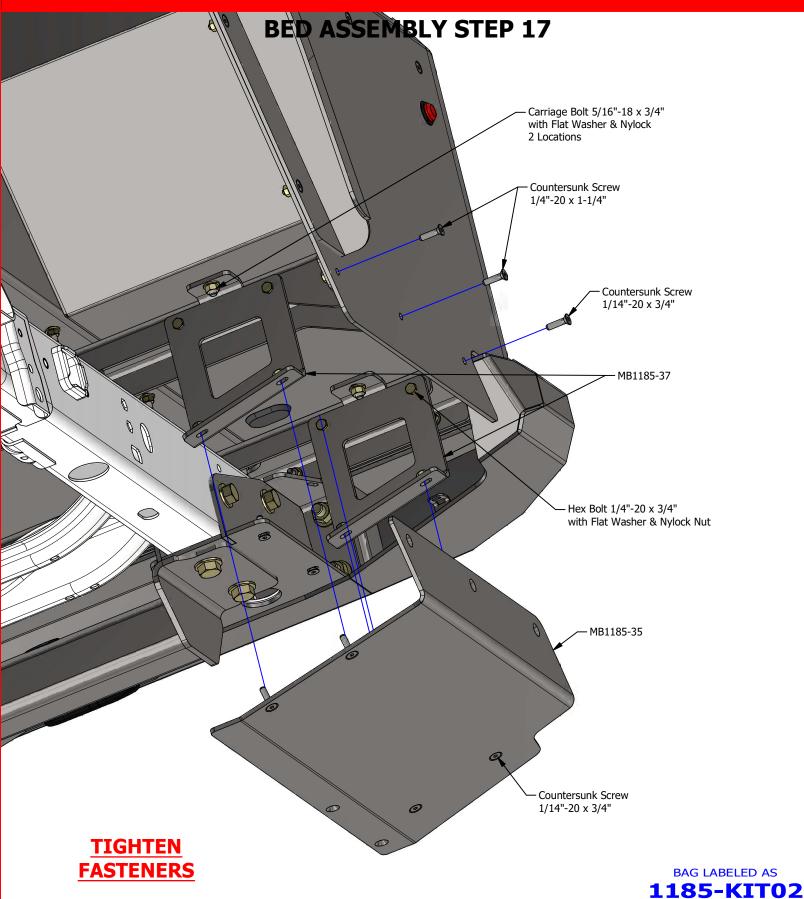




Install Bulb Seals





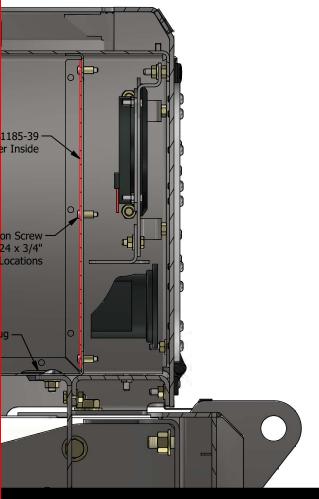


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BAG LABELED AS















BAG LABELED AS 1185-KIT13



BED ASSEMBLY STEP 19



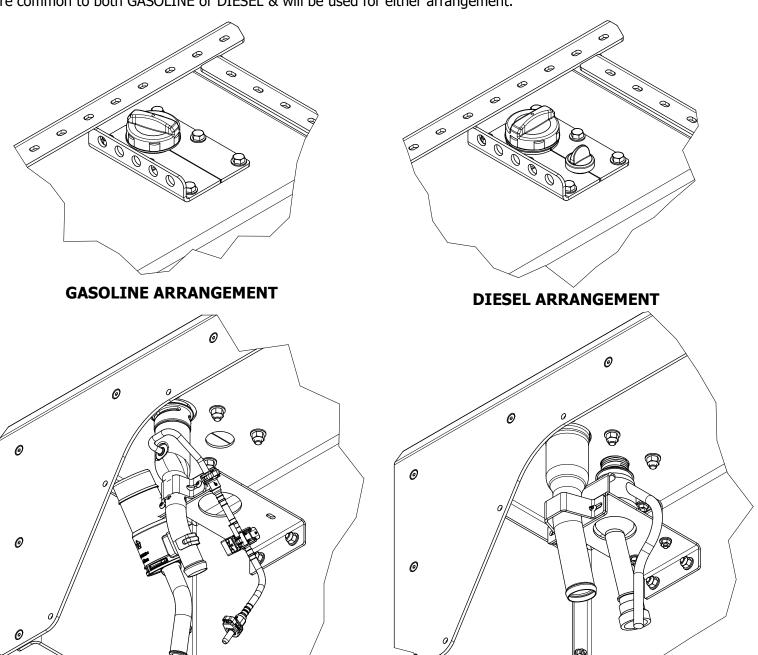


FUEL FILLER ARRANGEMENTS STEP 20

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.

<u>If you have a GASOLINE fuel vehicle</u>, use the sections named "GASOLINE ARRANGEMENT". The 1185-KIT12 & 1185-KIT13 in the CONTENTS sections denotes <u>GASOLINE compatible components as shown in RED</u>. Components shown in BLACK are common to both GASOLINE or <u>DIESEL</u> & will be used for either arrangement.

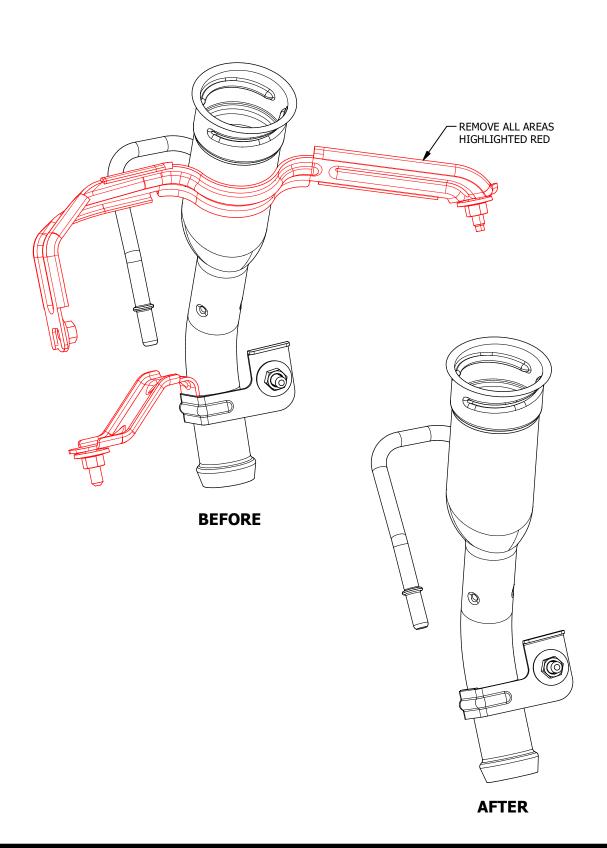
<u>If you have a DIESEL fuel vehicle</u>, use the sections named "DIESEL ARRANGEMENT". The 1185-KIT12 & 1185- KIT13 in the CONTENTS sections denotes <u>DIESEL compatible components as shown in GREEN</u>. Components shown in BLACK are common to both GASOLINE or DIESEL & will be used for either arrangement.

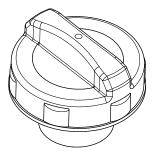




GASOLINE ARRANGEMENT STEP 21 GAS FUEL FILLER MODIFICATION

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.



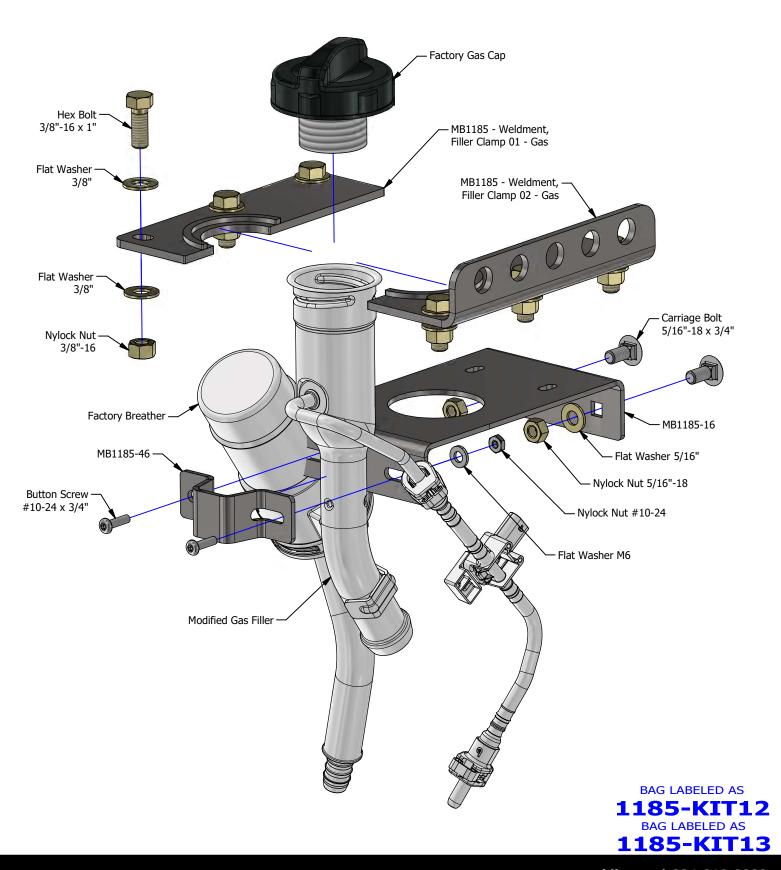


FACTORY GAS CAP



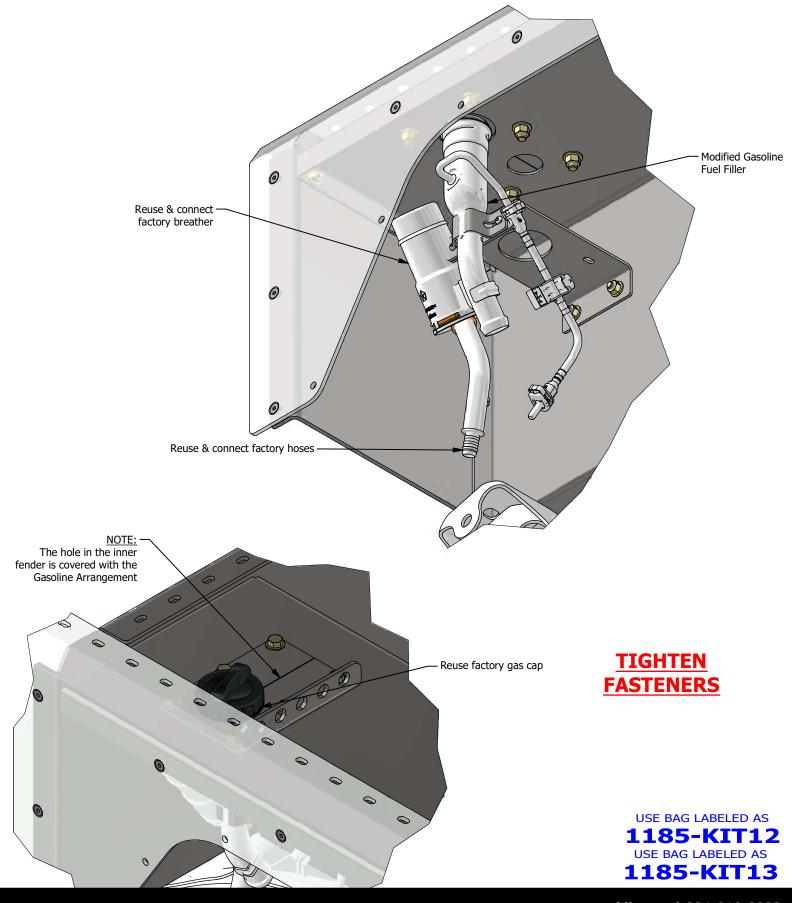
GASOLINE ARRANGEMENT STEP 22

The fuel filler plates are split in half both on the topside. 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.





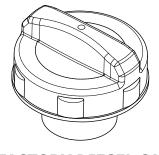
GASOLINE ARRANGEMENT STEP 23





DIESEL ARRANGEMENT STEP 24 REUSE FACTORY DIESEL FUEL FILLER & REUSE FACTORY DEF FILLER

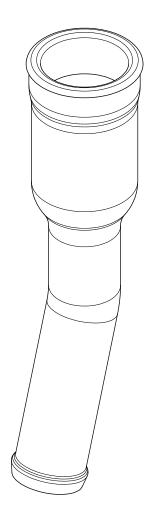
Disconnect the factory diesel fuel filler & the factory DEF filler from the factory filler hoses. No modification is needed.



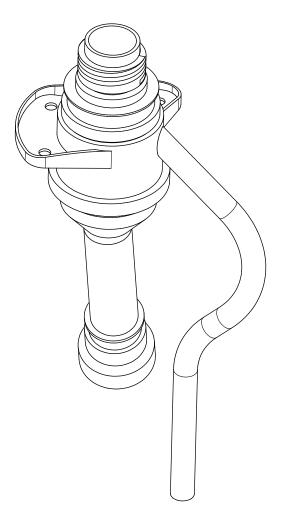
FACTORY DIESEL CAP



FACTORY DEF CAP



FACTORY DIESEL FILLER

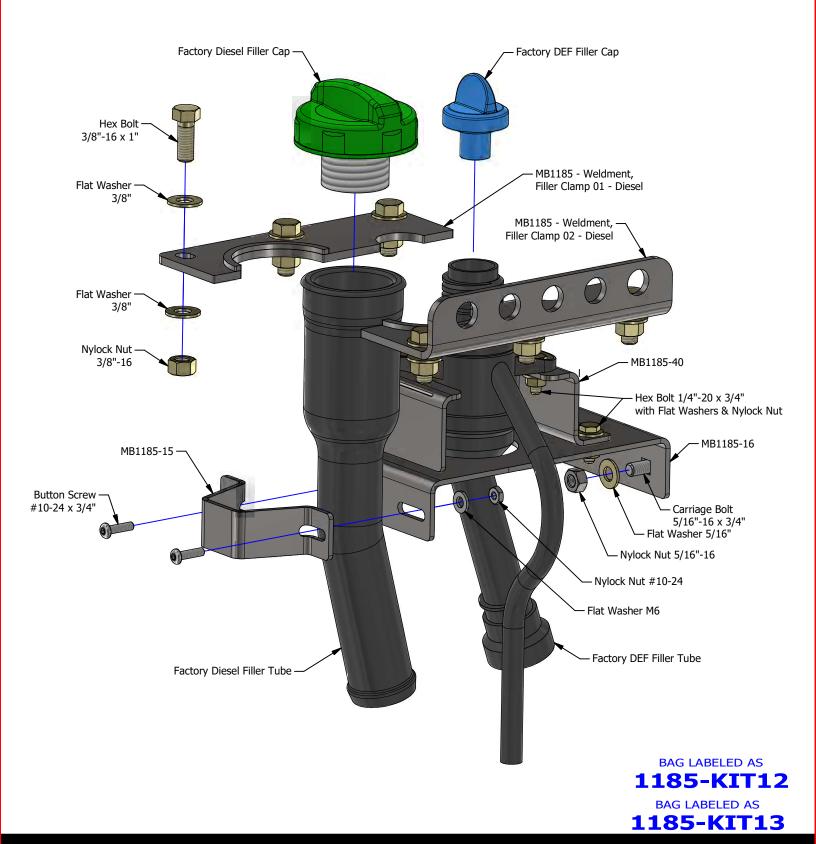


FACTORY DEF FILLER



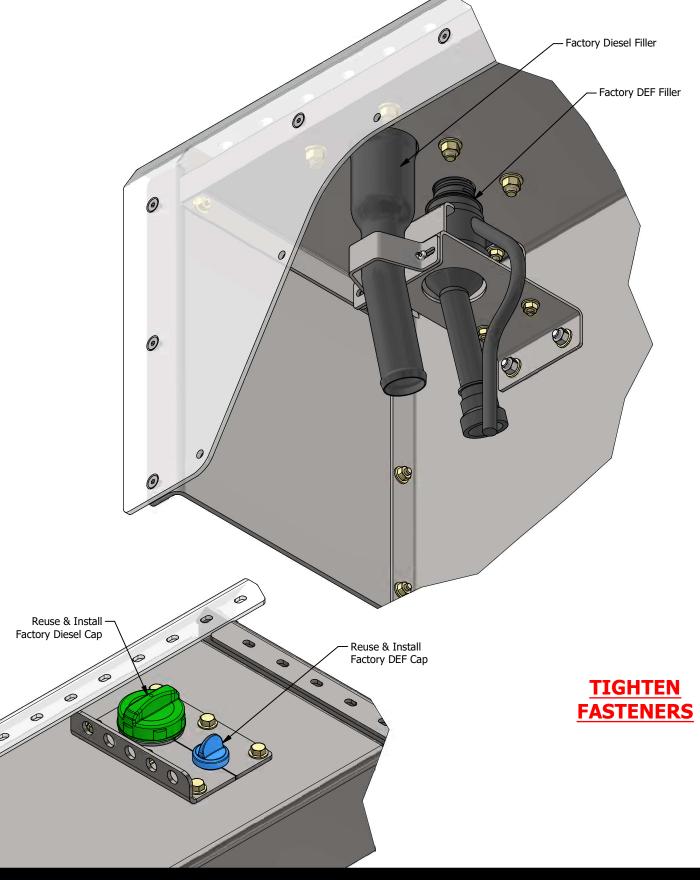
DIESEL ARRANGEMENT STEP 25

The fuel filler plates are split in half both on the topside. 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.



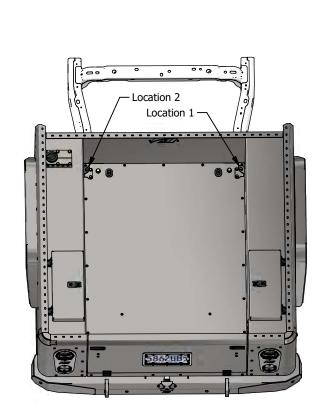


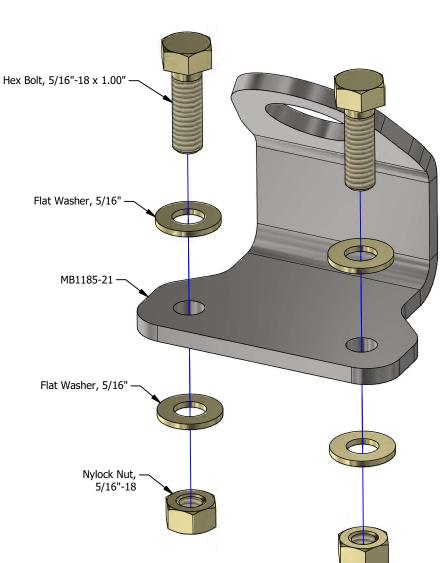
DIESEL ARRANGEMENT STEP 26





BED ASSEMBLY STEP 27



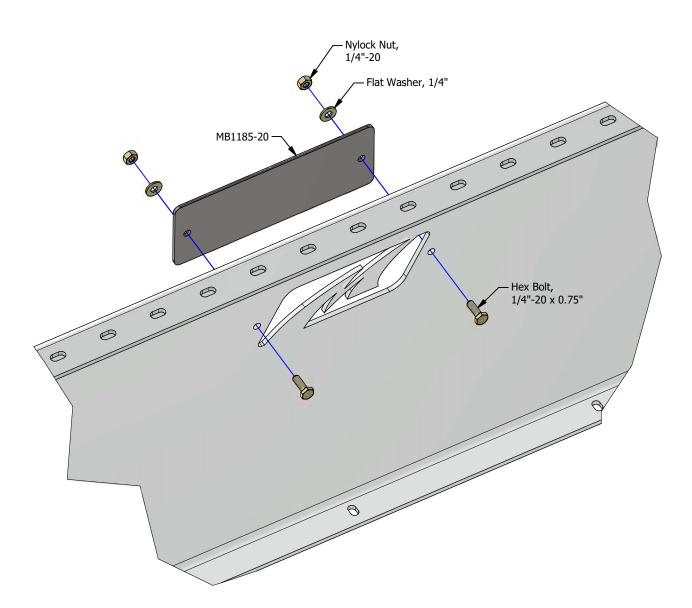


FRONT TIE DOWN ASSEMBLY 2 LOCATIONS

TIGHTEN FASTENERS



BED ASSEMBLY STEP 28



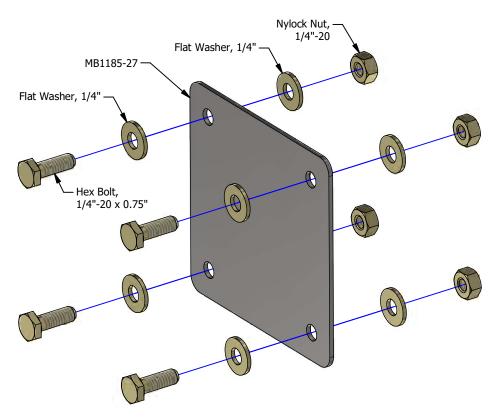
LOGO BACKING PLATE ASSEMBLY



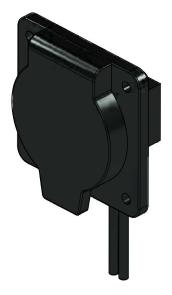
USE BAG LABELED AS
1185-KIT15



BED ASSEMBLY STEP 29

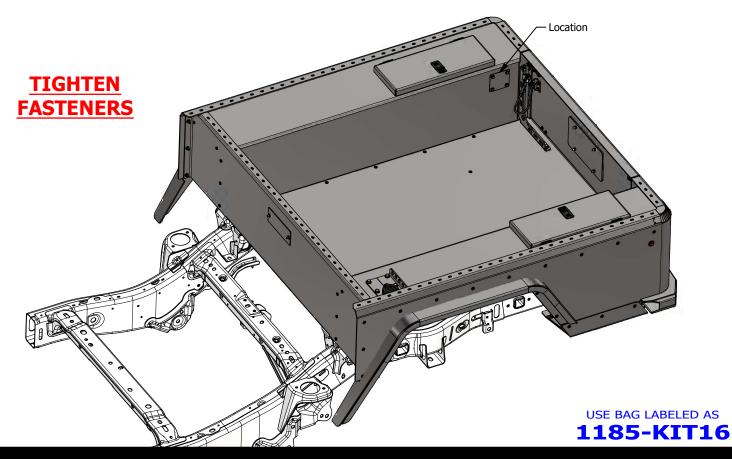


You can reuse the factory 120V receptacle from the bed of the Gladiator (if equipped). Substitute the receptacle in place of the cover plate MB1178-27 & use the supplied fasteners.



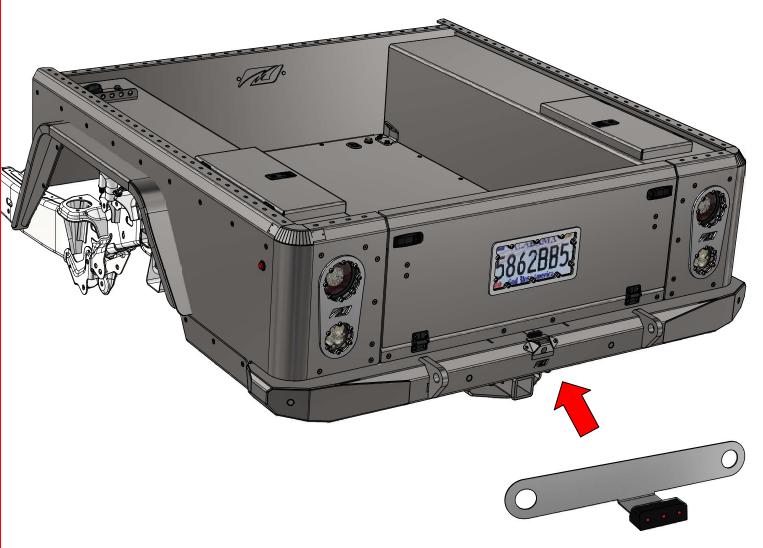
FACTORY RECEPTACLE

COVER PLATE ASSEMBLY





BED ASSEMBLY STEP 30



Light, License Plate

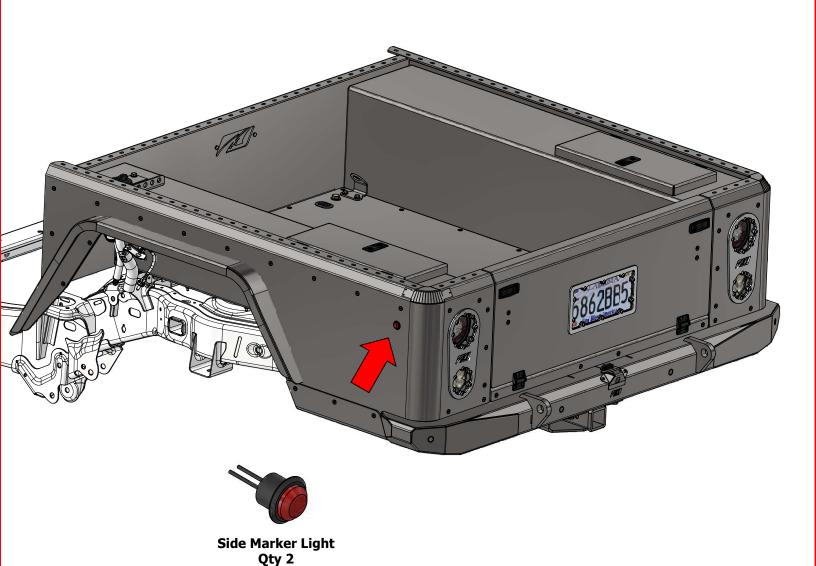
The License Plate Light installs under & behind the back lip of the floor plate. Use the existing flat washers & nuts installed earlier to mount the light.

USE BAG LABELED AS 1185-KIT17



BED ASSEMBLY STEP 31

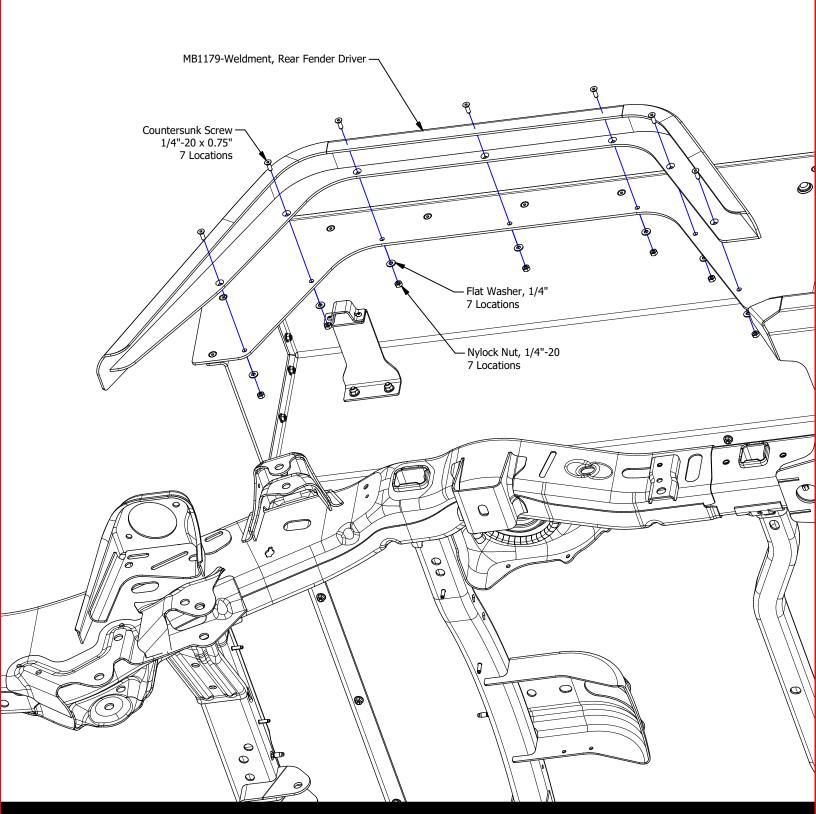
Some jurisdictions may require Rear Side Marker Lights. If required in your area, determine your location needed, drill holes in the outer fenders & install the Side Marker Lights included with this kit.



USE BAG LABELED AS 1185-KIT17

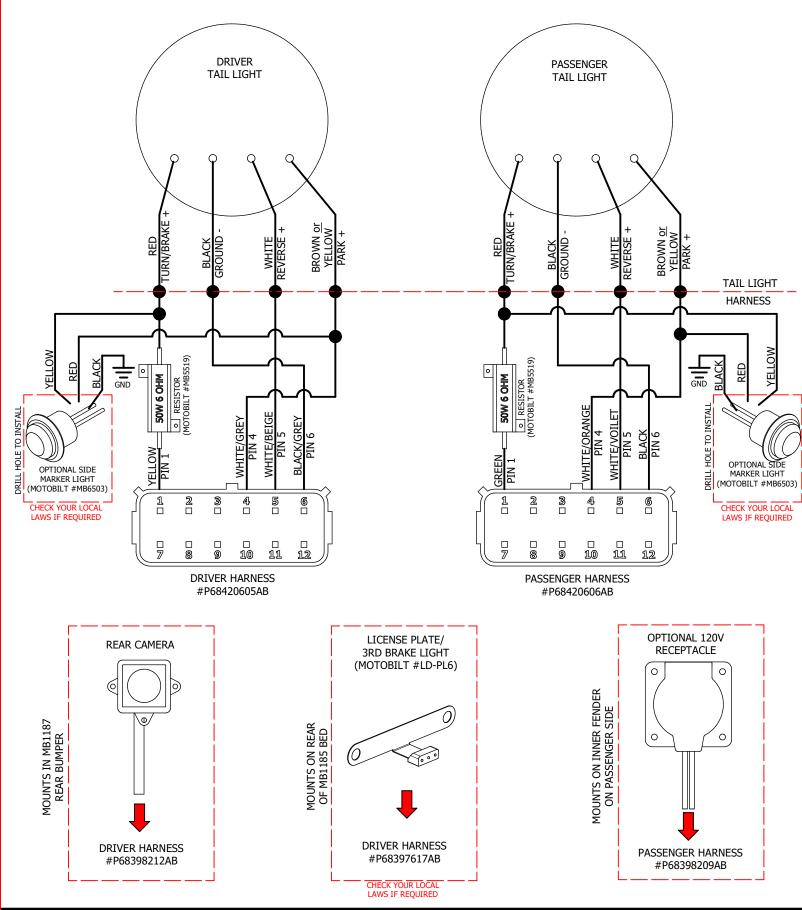


FENDER ASSEMBLY





WIRING FOR FACTORY NON-LED





WIRING FOR FACTORY LED

