



## INSTALLATION INSTRUCTIONS

JEEP Wrangler JK HDX Rear Tire Carrier Bumper 2007-2017	
Item	Kit No.
HDX Rear Tire Carrier Bumper	83269

### WARNINGS/CAUTIONS

**THIS KIT IS NOT COMPATIBLE WITH A BODY LIFT.**

Before you install this kit, read and understand all instructions, warnings, cautions, and notes in this instruction sheet and in the vehicle owner's manual.

Proper installation of this kit requires knowledge of the factory recommended procedures for removal and installation of original equipment components. We recommend that the factory shop manual and any special tools needed to service your vehicle be on hand during the installation. Installation of this kit without proper knowledge of the factory recommended procedures may affect the performance of these components and the safety of the vehicle. We strongly recommend that a certified mechanic familiar with the installation of similar components install this kit.

Many states and municipalities have laws restricting bumper heights and "type". Consult state and local laws to determine if the changes you intend to make to the vehicle comply with the law.

Always wear eye protection when operating power tools.

Before you install this kit, block the vehicle tires to prevent the vehicle from rolling.

If parts are missing from kit, please be prepared to provide the following information:

1. **Name** of purchase location
2. **Bar Code** on side of box
3. **Date** above bar code
4. **Date** inside box cover
5. **Inspector #** from inside box cover

### BEFORE STARTING INSTALLATION

#### NOTE

Kit parts are prefaced by the word **kit** and appear in bold print.

1. Carefully read all warnings and instructions completely before beginning.
2. Verify all parts have been received in this kit by checking the parts list at the end of this document.
3. **Only install this kit on the vehicle for which it is specified.** If anytime during the installation you encounter something different from what is outlined in the instructions, call technical support at the number below.

#### NOTE

OR-FAB HD front winch bumper will ONLY mount 8000lb (WARN M8000). low profile remote winches. 9500lb. winches will fit with minor modifications to the lower core support depending on size.

4. Park vehicle on a clean, dry, flat, level surface and block tires so vehicle cannot roll in either direction.

### ENGINE COMPARTMENT

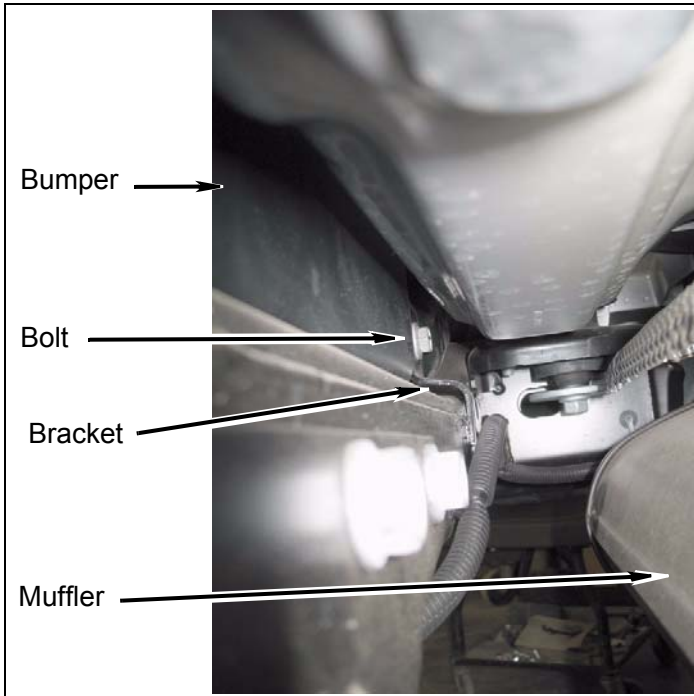
1. Disconnect both battery cables. Disconnect negative cable first, then positive cable.



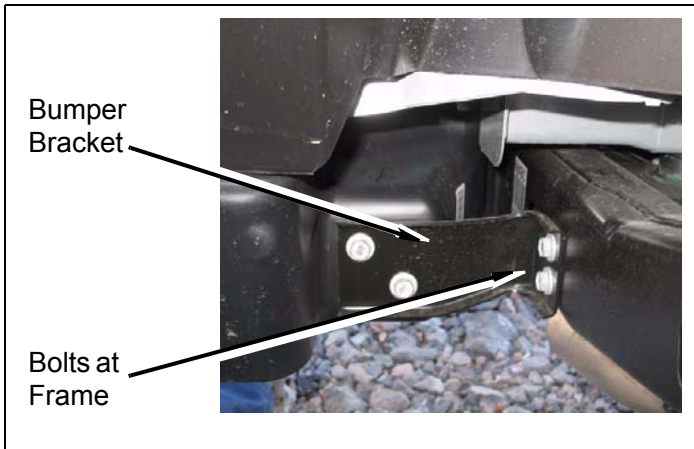
## Rear Bumper

### 1. Remove Factory Bumper

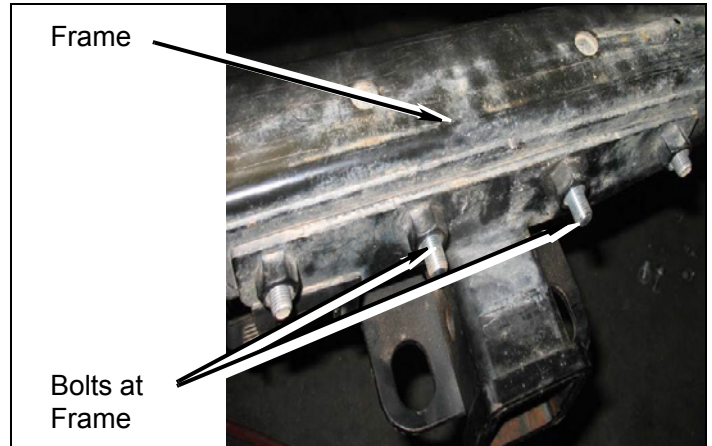
- a. Remove two bolts from brackets on back side of bumper.



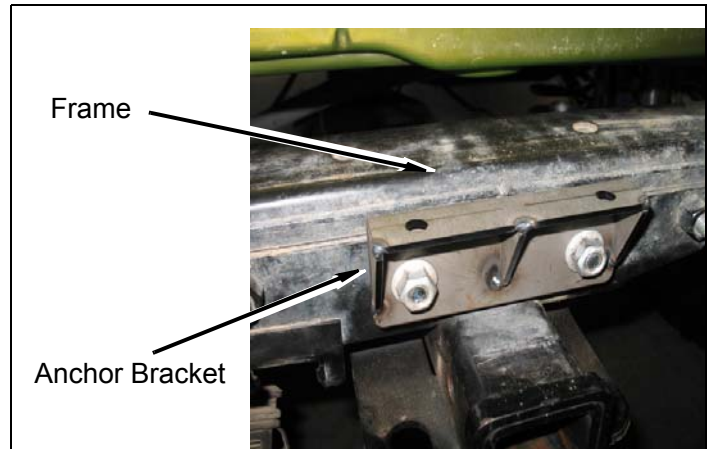
- b. Remove two bolts from each bumper bracket at frame and remove bumper.



- a. Remove two center 12mm bolts from factory hitch mount or tow hook and replace bolts with two *kit bolts* (12m-1.5x120mm) and two *kit washers* (12m)..



- b. Install *kit anchor bracket* with two *kit flange nuts* (12m-1.5). Center *kit anchor bracket* flush with the mounting surface and tighten down *kit flange nuts*..



**NOTE:** 2012+ year models with relocated dvr rear tow hook & no rear hitch will require you to use two *kit spacers* in-between rear frame crossmember and *kit anchor bracket* for proper spacing.

### 2. Mounting *Kit Bumper Assembly*

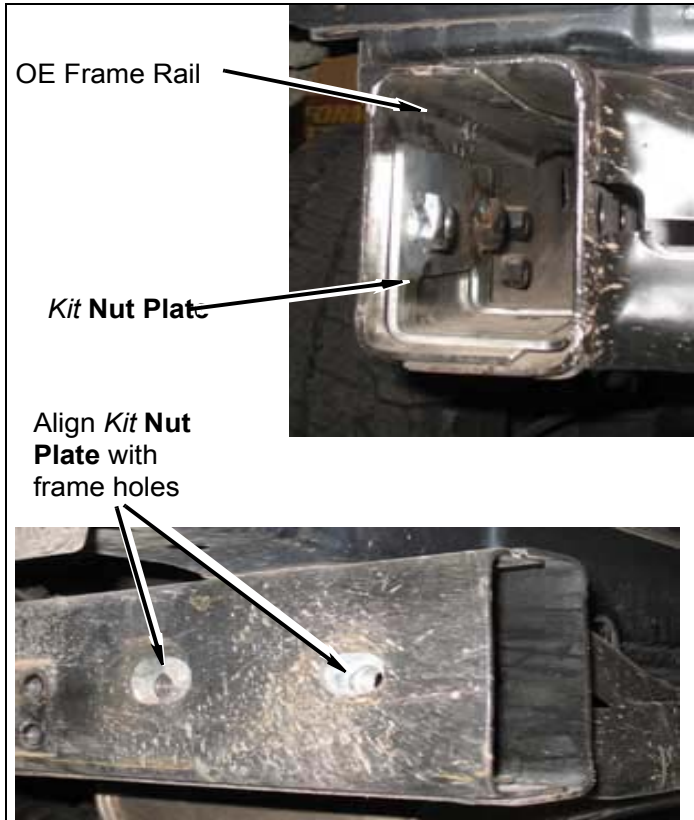
**2012+ Models:** Remove Dvr Rear Tow Hook

## INSTALL REAR BUMPER

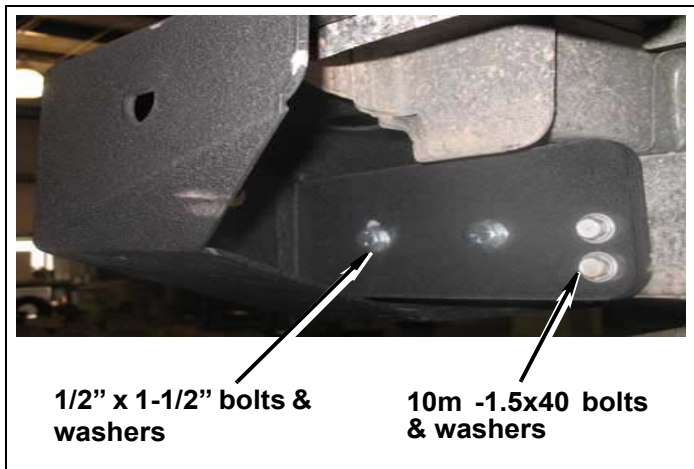
### 1. Rear Bumper *Kit Anchor Plate*



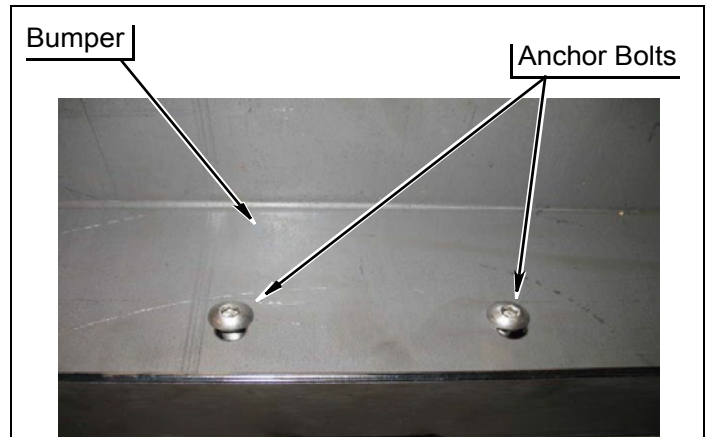
- a. Position **Kit Nut Plate** inside both psg and dvr frame rail so that nuts line up with holes as shown.



- b. Position **kit bumper** onto Jeep. Secure bumper to frame rail on both sides using **kit, 10m-1.5x40 bolts & washers**, for forward two holes and **kit bolts (1/2" x 1-1/2") washers** through **kit nut plate** inside frame rail. Do not tighten at this time.



- c. Install two **kit bolts (3/8-16x1)** through bumper center plate and into **kit anchor bracket**.



- d. Insure bumper is centered and level. Tighten down all hardware at this time.

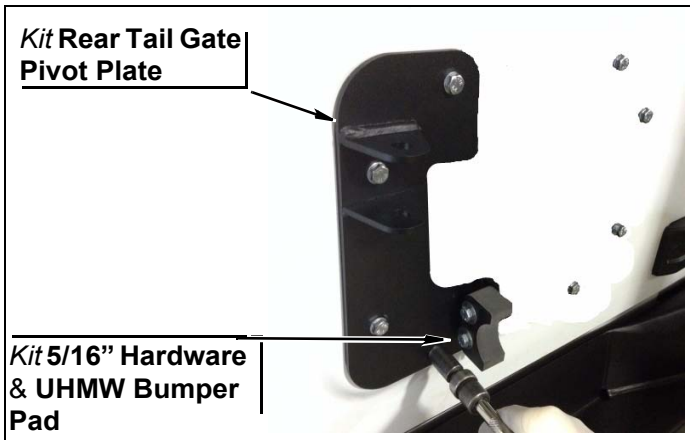
**\*\* BE SURE TO HAVE BUMPER AS LEVEL AS POSSIBLE TO THE JEEP FRAME. DOING SO WILL ENSURE PROPER FITMENT AND ALIGNMENT OF CARRIER ARM ASSEMBLY. \*\***



## Rear Tire Carrier Installation

1. Remove rear OEM tire carrier.
  - a. Remove spare tire and any accessories attached to it.
  - b. Remove third brake light harness and grommet from tailgate.
  - c. Remove eight bolts and OEM spare tire carrier bracket from tail gate.
2. Install **kit rear tail gate pivot plate**.

- a. Using four **OEM bolts** and attach **kit tail gate pivot plate** onto left side set of holes as shown:

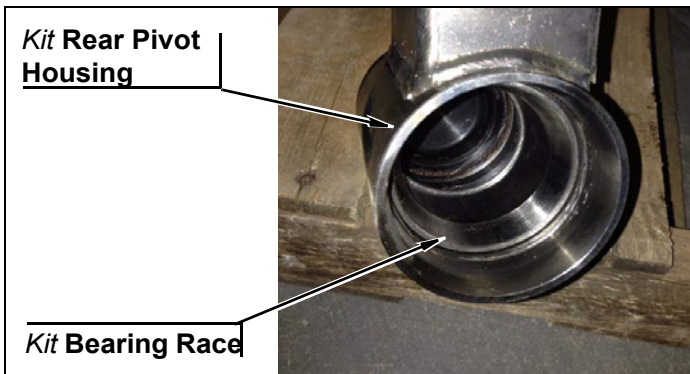


- b. Using two **kit bolts**(5/16 x 1 3/4") **washers** and **nuts**; secure one **kit UHMW bumper pad** onto base of **kit tail gate pivot plate**.

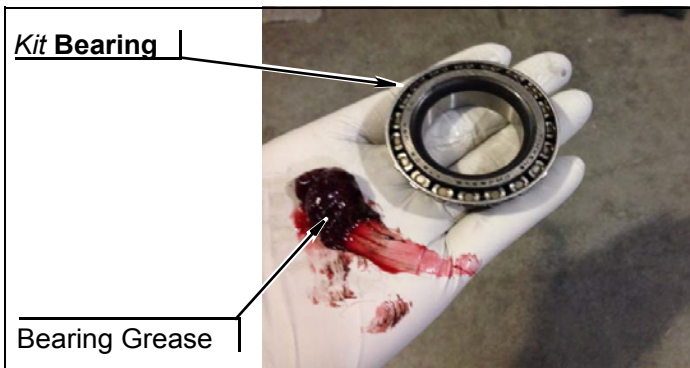
(DO NOT TIGHTEN KIT BOLTS AT THIS TIME.)

3. Installing **kit carrier arm**.

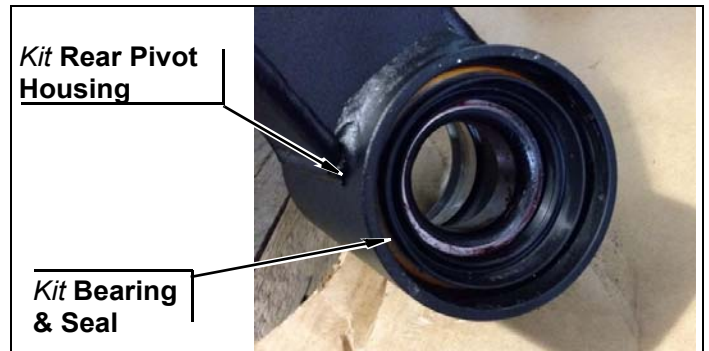
- a. Using a bearing race driver; install two **kit bearing races**(SET5) into the **kit carrier pivot housing** with both **kit race** tappers facing toward each other as shown in image below:



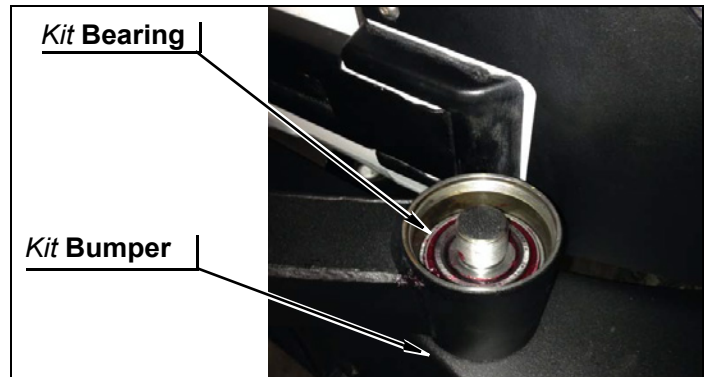
- b. Using a small amount of bearing grease; lightly grease each **kit bearing**.



- c. Install one **kit bearing & seal** into lower section of **kit carrier arm pivot housing**. It is recommended to use a "seal driver" so not to damage the **kit bearing seal**.

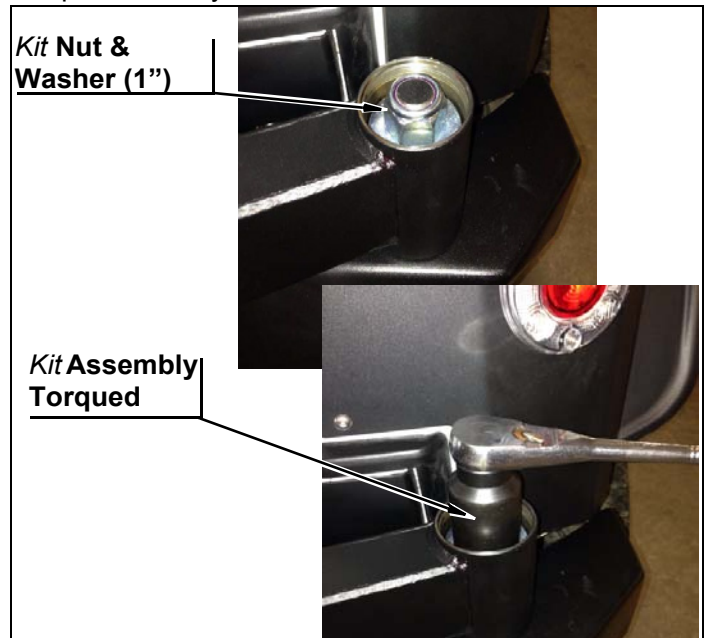


- d. Place **kit carrier arm** carefully onto **kit bumper spindle** and install second **kit bearing** onto spindle and pivot housing.

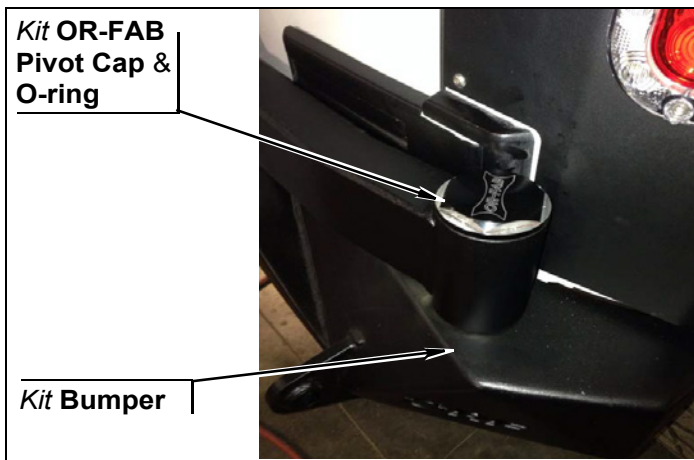


- e. Secure **kit carrier arm** with one **kit nut** (1" nylon) and **washer** (1" wide).

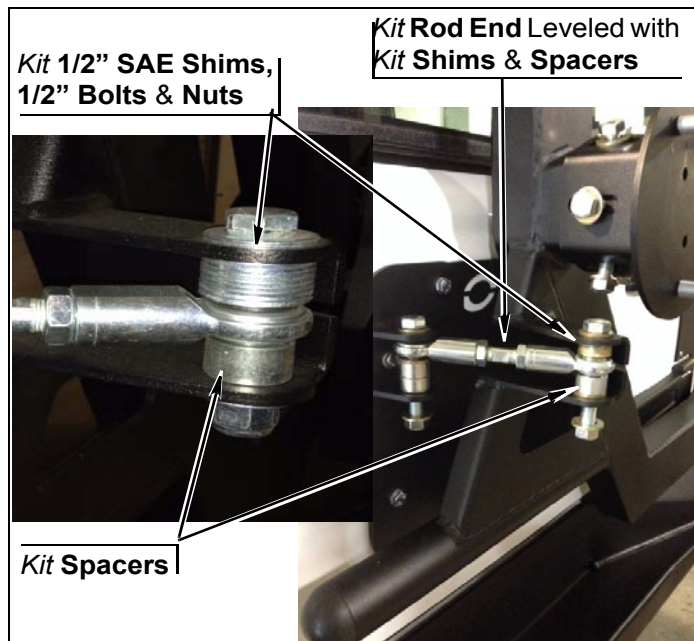
Torque assembly to 55ft-lbs.



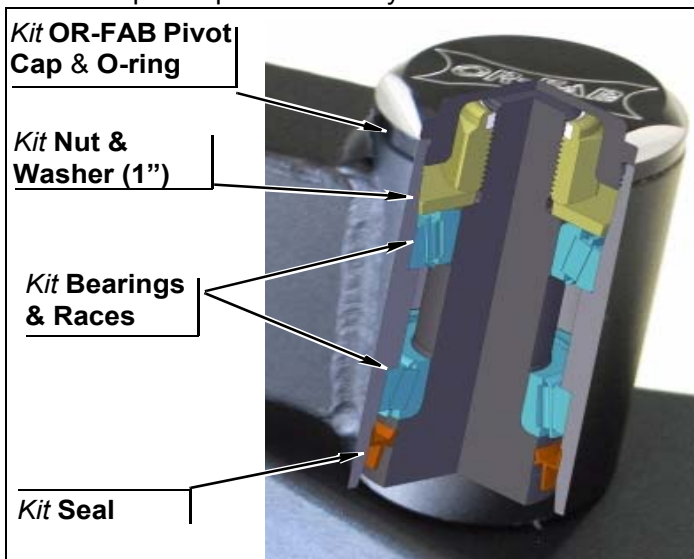
- f. Using provided *kit pivot cap wrench*, install *kit OR-FAB pivot cap* snug onto pivot housing.



- b. Install *kit rod end* assembly onto *kit carrier arm* and *kit rear pivot plate* using two *kit bolts* (1/2" x 1 3/4), four *washers* and two *nuts*. Also use two *kit spacers* (9/16") and 1/2" SAE zinc *washers* to level and center *kit rod end* in between tabs on *kit carrier arm* and *kit rear pivot plate*.



Finished spindle pivot assembly:

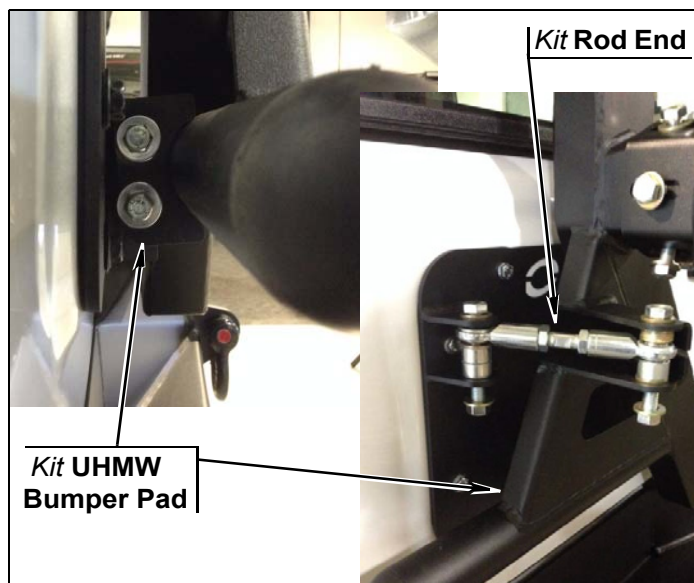
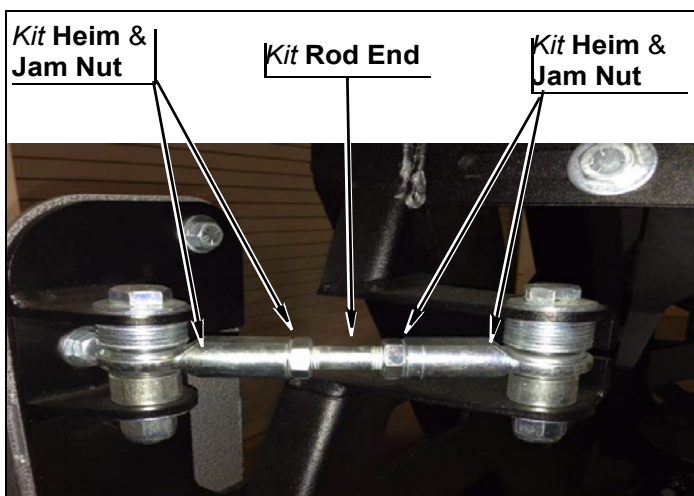


- c. Once *kit rod end* is aligned/leveled properly with the *kit spacers* and *shims*; align *kit UHMW bumper pad* with 2" tube on carrier and tighten *kit 5/16"* hardware.

- d. Tighten *kit rod end* snugly so that *kit UHMW bumper pad* has slight pressure against *kit 2" carrier arm* assembly. Once proper pressure is achieved tighten *kit 1/2" jam nuts* on *kit rod end*.

4. Connecting *kit carrier arm* to *kit rear pivot plate*.

- a. Assemble *kit heims*, *rod end* and *jam nuts*.



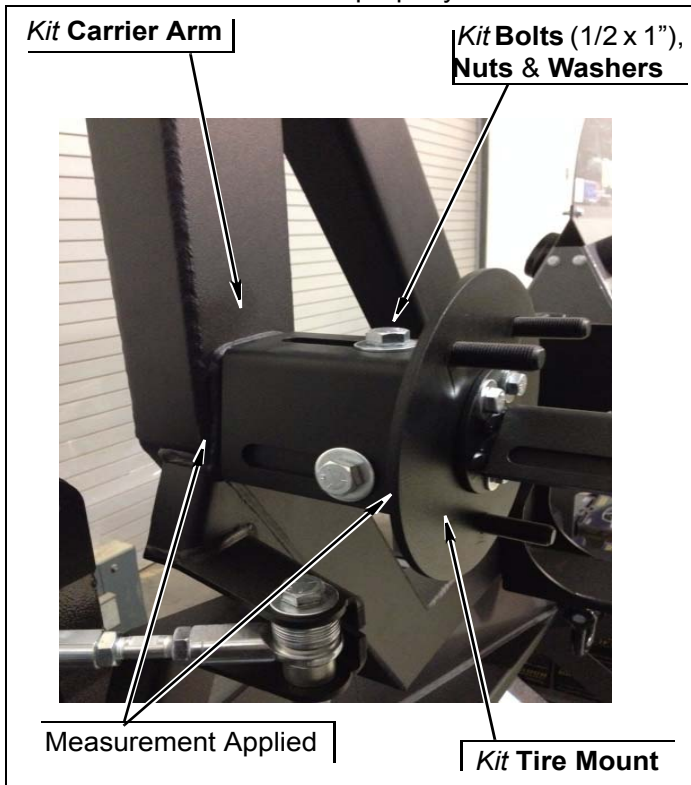
5. Install *kit* tire mount.

- a. Measure and record backspacing on wheel and tire assemble: measure from surface of wheel or hub mount to the back of the tire sidewall with a straight edge as shown:



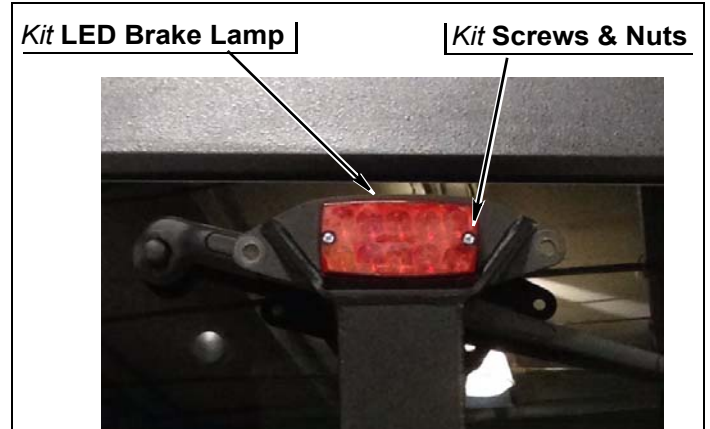
- b. Take recorded measurement and install *kit* tire mount using three *kit* bolts (1/2 x 1"), nuts and washers.

**\*\*NOTE:** Subtract 3/8" from your recorded measurement and tighten all 1/2" hardware. Doing so will ensure the tire & wheel have proper preload pressures applied to the carrier to secure the tire properly.

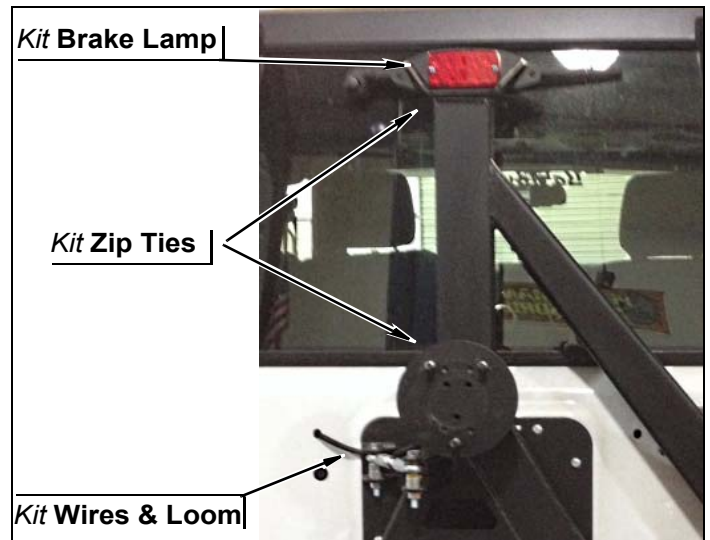


6. Mount and wire rear brake light.

- a. Using two *kit* screws (#10-24) and nuts, install *kit* LED brake lamp onto *kit* carrier arm. Feed wires through back of carrier mounting bracket.

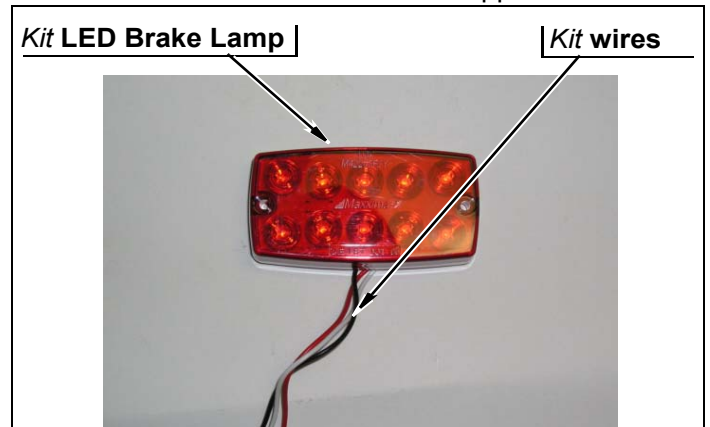


- b. Using provided *kit* wires (black and white), split loom, connectors and zip ties; wire *kit* brake lamp and secure the *kit* wires/split loop using *kit* zip ties.



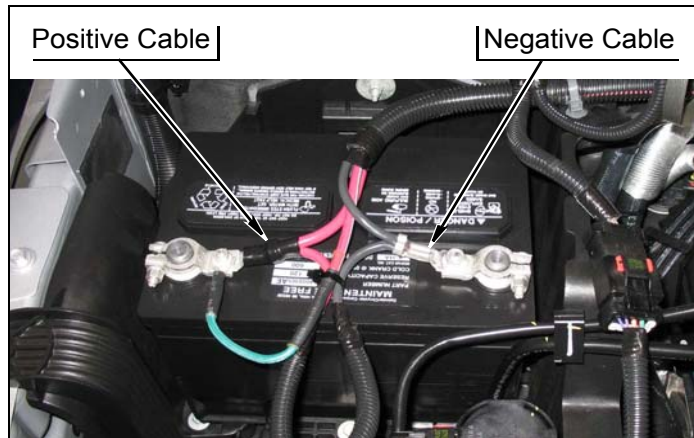
- c. Connecting *kit* brake lamp wires: Red(+) White(-). (Use stock brake light wires for power)

**NOTE:** Black wire is not used in this application.



## Engine Compartment

1. Connect both battery cables. Connect positive cable first, then negative cable.



## Miscellaneous

1. Check all fasteners to ensure they are tight.

### ⚠WARNING

Retorque all fasteners after 500 miles and after off road use. All body lift components should be visually inspected and fasteners retorqued during routine vehicle servicing.

### NOTE

All warranty information, instruction sheets, and other documents regarding the installation of this product must be retained by the vehicle owner. Information contained in the instructions and on the warranty card will be required for any warranty claims. The vehicle owner needs to understand the modifications made to the vehicle and how they affect vehicle handling and performance. Failure to provide the customer with this information can result in damage to the vehicle and severe personal injury.

## Kit Parts List

### Qty. Description

- |   |  |
|---|--|
| 1 | <b>Bumper, Rear</b>                      |
| 1 | <b>Carrier, Rear Tire</b>                |
| 1 | <b>Plate, Rear Pivot</b>                 |
| 1 | <b>Bracket, Rear Tire Mount</b>          |
| 2 | <b>Bracket, Rear Bumper Frame</b>        |
| 1 | <b>Bracket, Center Rear Anchor Plate</b> |
| 1 | <b>Wrench, Rear Pivot</b>                |
| 2 | <b>D-Rings</b>                           |

### 1 **HP83208(Bumper Kit)**

- |   |                            |
|---|----------------------------|
| 4 | <b>Bolt, 1/2" x 1 1/2"</b> |
| 4 | <b>Bolt, 10m-1.5 x 40</b>  |
| 2 | <b>Nut, 12m-1.5 Flange</b> |
| 4 | <b>Washer, 1/2" USS</b>    |
| 4 | <b>Washer, 10mm</b>        |

### 1 **83208BAG (Anchor Kit)**

- |   |                            |
|---|----------------------------|
| 2 | <b>Bolt, 12m-1.5 x 120</b> |
| 2 | <b>Nut, 12m</b>            |
| 2 | <b>Washer, 1/2"</b>        |
| 2 | <b>Bolt, 3/8" x 1"</b>     |
| 2 | <b>Sleeve, 9/16"</b>       |

### 1 **83269BAG (Carrier Kit)**

- |   |   |
|---|---|
| 2 | <b>Bolt, 5/16 x 1/ 3/4"</b>             |
| 3 | <b>Bolt, 1/2 x 1"</b>                   |
| 2 | <b>Bolt, 1/2 x 3 1/4"</b>               |
| 1 | <b>Nut, 1/2" Jam, Right</b>             |
| 1 | <b>Nut, 1/2" Jam, Left</b>              |
| 2 | <b>Nut, 5/16"</b>                       |
| 2 | <b>Nut, 1/2"</b>                        |
| 3 | <b>Nut, 1/2" Flange</b>                 |
| 4 | <b>Washer, 5/16"</b>                    |
| 2 | <b>Washer, 1/2" ZINC</b>                |
| 2 | <b>Sleeve, 9/16"</b>                    |
| 1 | <b>Pad, 1" UHMW Thick Arched Bumper</b> |
| 1 | <b>Heim, 1/2" Right hand</b>            |
| 1 | <b>Heim, 1/2" Left hand</b>             |
| 1 | <b>Rod, 1/2" x 3" Right &amp; Left</b>  |

### 1 **83269BAG1 (Brake Lamp Kit)**

- |     |                             |
|-----|-----------------------------|
| 2   | <b>Bolt, 10-24 x 1 1/4"</b> |
| 2   | <b>Nut, 10-24 Small</b>     |
| 1   | <b>Lamp, Rear Brake</b>     |
| 5ft | <b>Wire, Black</b>          |
| 5ft | <b>Wire, White</b>          |
| 6ft | <b>Loom, 1/4" Slit</b>      |
| 4   | <b>Connector, 20 gauge</b>  |
| 5   | <b>Zip Tie, 14"</b>         |

### 1 **83269BAG2 (Pivot Mount Kit)**

- |   |                             |
|---|-----------------------------|
| 2 | <b>Bearing, SET5 TIMKEN</b> |
| 1 | <b>Seal, TIMKEN Housing</b> |
| 1 | <b>O-Ring, Housing</b>      |
| 1 | <b>Cap, OR-FAB Pivot</b>    |
| 1 | <b>Nut, 1"</b>              |
| 1 | <b>Washer, 1" Wide</b>      |

