



TYGER®

TYGER GUARD™

TG-TR8J84078

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BEFORE INSTALLATION

READ INSTRUCTIONS CAREFULLY BEFORE STARTING INSTALLATION. REMOVE CONTENTS FROM BOX AND VERIFY ALL PARTS ARE PRESENT. FAILURE TO IDENTIFY DAMAGE BEFORE INSTALLATION COULD LEAD TO A REJECTION OF ANY CLAIM. IF MISSING PARTS OR ANY DAMAGE FOUND, PLEASE TAKE A PICTURE FOR THE CLAIM PURPOSE. TO FILE YOUR CLAIM, PLEASE VISIT:

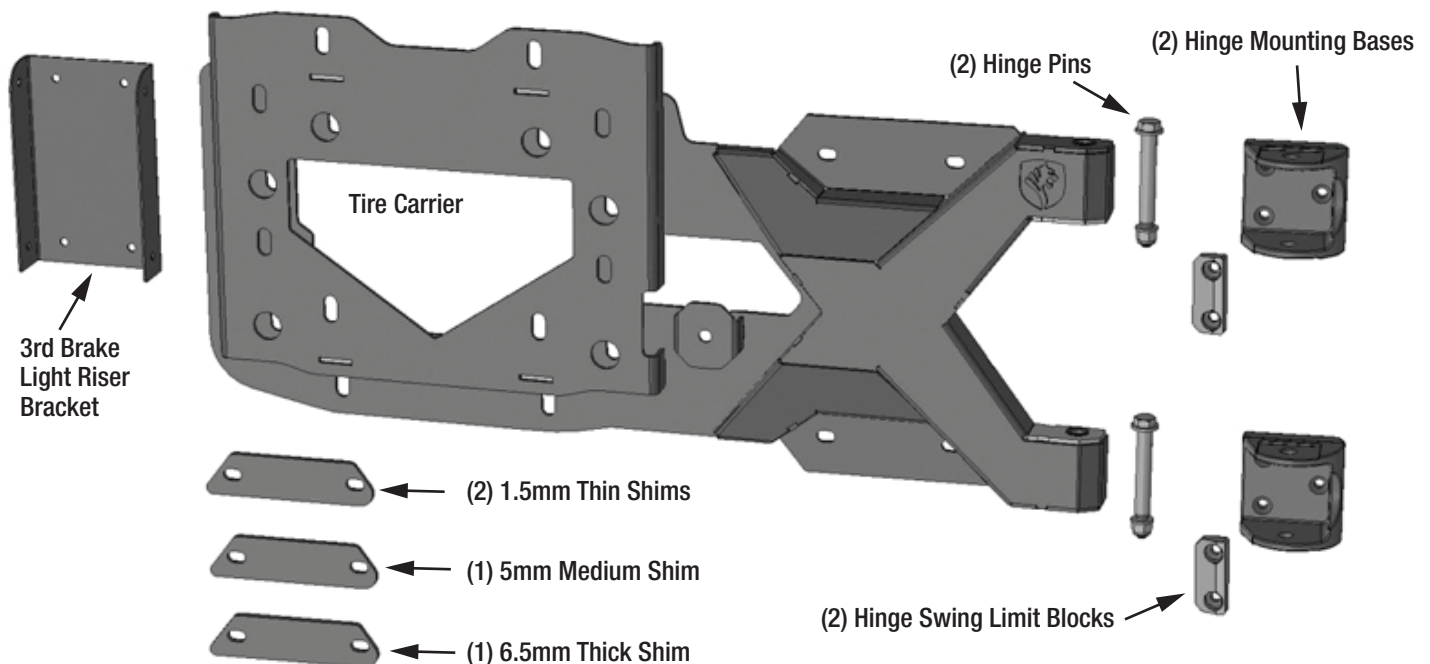
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TORQUE VALUES

Fastener Size	Class 8.8 Torque (ft-lbs)	Class 10.9 Torque (ft-lbs)
6mm	6-7	6-7
8mm	15-16	22-23
10mm	31-32	44-45
12mm	54-55	78-79
14mm	87-88	125-126

- | | | |
|---|---|--|
| x1 Tire Carrier | x2 12mm x 24mm x 2.5mm Flat Washers | x8 6mm x 20mm Button Head Bolts |
| x1 3rd Brake Light Riser Bracket | x2 10mm x 20mm x 2mm Flat Washers | x16 6mm x 18mm x 1.6mm Flat Washers |
| x2 1.5mm Thin Shims | x2 10mm Nylon Lock Nuts | x8 6mm Nylon Lock Nuts |
| x1 5mm Medium Shim | x6 8-1.25mm x 35mm Countersunk Bolts | x1 5mm Wrench |
| x1 6.5mm Thick Shim | x20 8-1.25mm x 30mm Hex Bolts | x1 4mm Wrench |
| x2 Hinge Mounting Bases | x28 8mm x 24mm x 2mm Flat Washers | |
| x2 Hinge Swing Limit Blocks | x12 8mm Lock Washers | |
| x2 Hinge Pins | x8 8mm Nylon Lock Nuts | |

Parts List

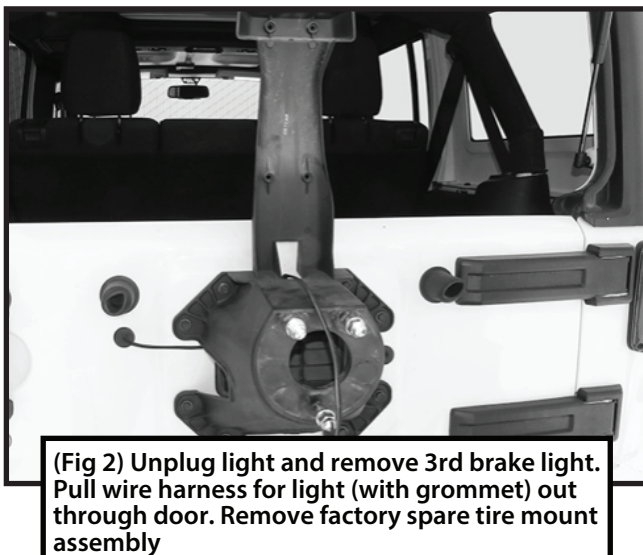
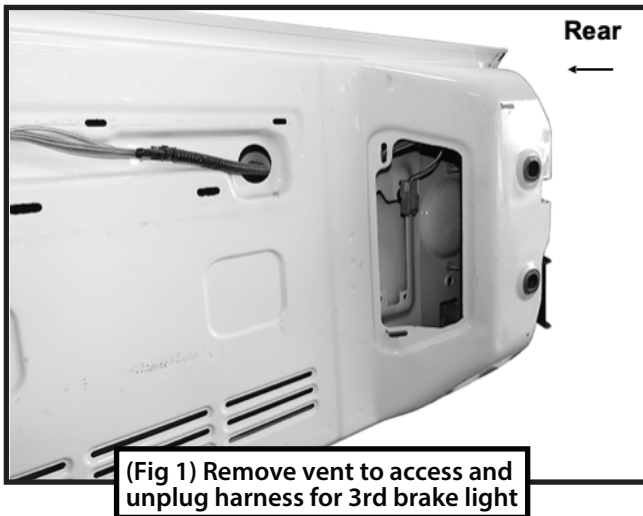


PROCEDURE:

REMOVE CONTENTS FROM BOX. VERIFY ALL PARTS ARE PRESENT. READ INSTRUCTIONS CAREFULLY BEFORE STARTING INSTALLATION. ASSISTANCE IS RECOMMENDED. DRILLING IS REQUIRED.

STEP 1

Remove the spare tire. Open the rear door and remove the vent cover from the door (Fig 1). Unplug the wire harness leading to the 3rd Brake Light. Disconnect the main harness leading to the rear door (Fig 2)

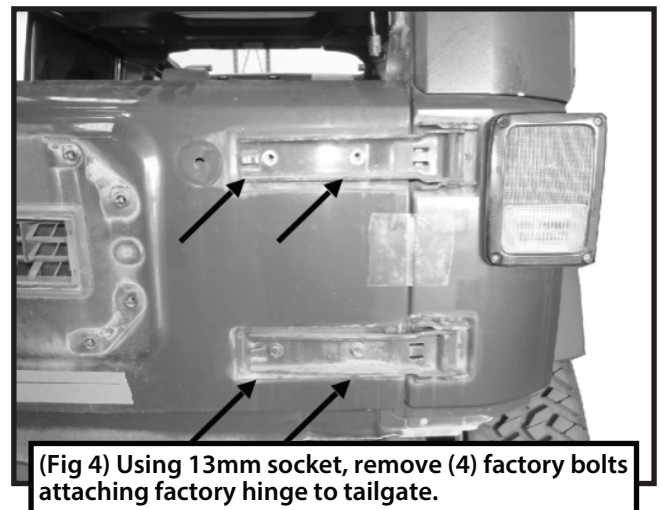
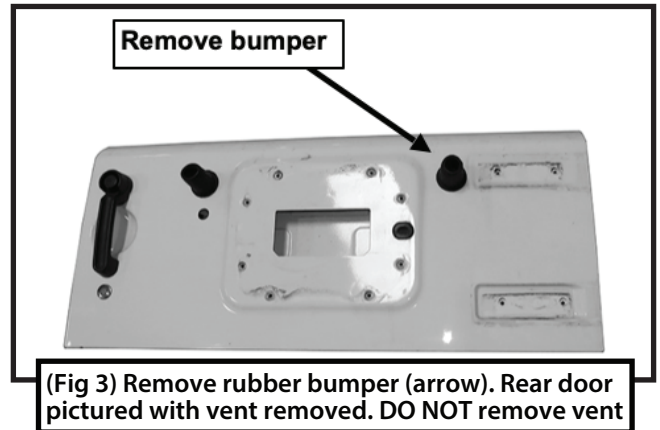

STEP 2

Close the rear door and pull the wire harness and grommet for the 3rd brake light out through the door. Remove the plastic tire mount (Fig 2).

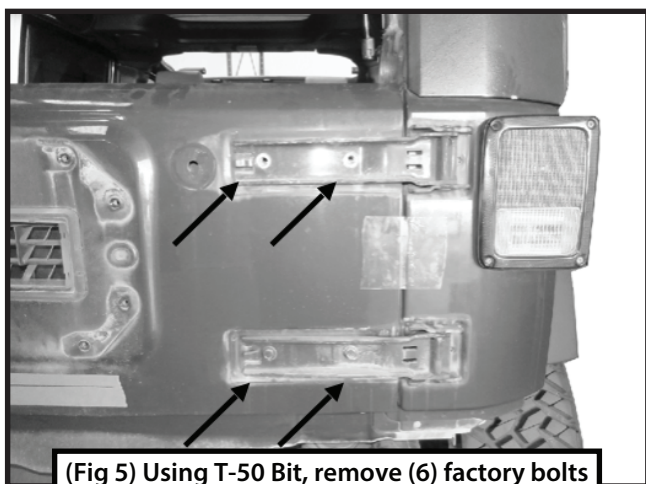
STEP 3

Remove the outer covers from the hinges on the door and body if equipped. Remove the passenger/right side rubber bumper (Fig 3).

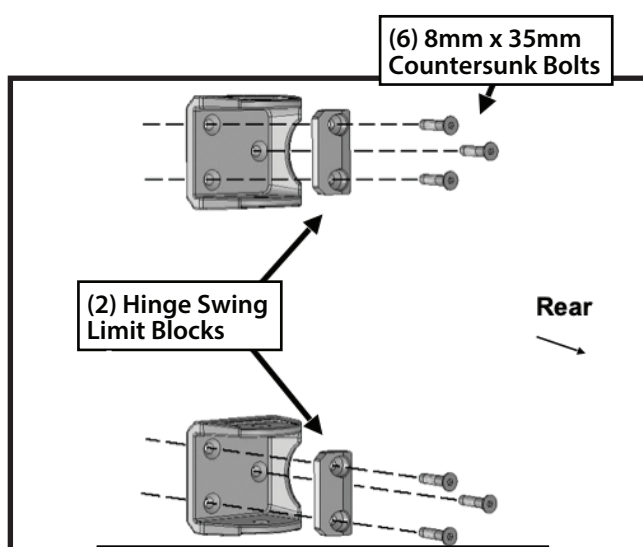
Close and lock the tailgate, and **PLACE SHIMS** between the bumper and tailgate to LEVEL AND MAINTAIN TAILGATE POSITION while removing hinges. Carefully remove the (4) hex bolts attaching the hinges to the tailgate using 13mm socket (Fig 4).


STEP 4

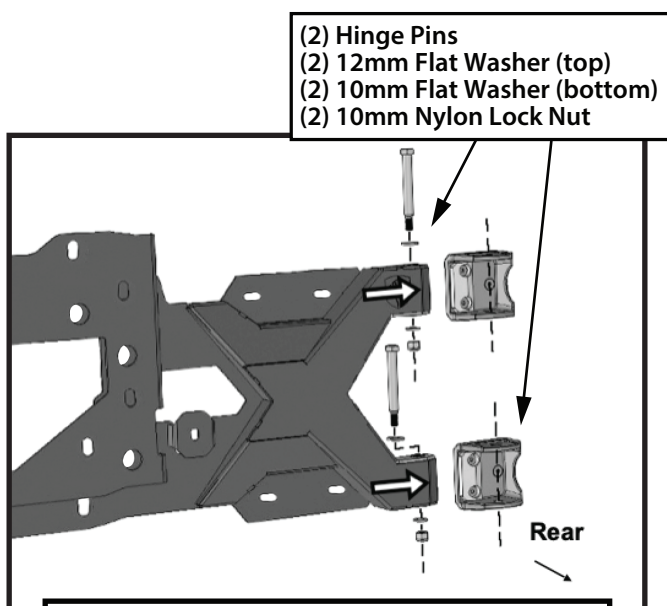
Using a T-50 Torx bit, remove stock hinges from vehicle. Clean surface that spare tire carrier hinge will mount (Fig 5), then place Hinge Mounting Bases in position. Use the included (6) 8mm x 35mm Countersunk Bolts to attach the (2) Hinge Mounting Bases and (2) Swing Limit Blocks to the body (Fig 6). With assistance, attach the Tire Carrier to the Hinge Bases with the included (2) Hinge Pins, (2) 12mm Large Flat Washers (top), (2) 10mm Small Flat Washers (bottom of hinge), and (2) 10mm Nylon Lock Nuts (Fig 7). Snug but DO NOT fully tighten hardware at this time.



(Fig 5) Using T-50 Bit, remove (6) factory bolts attaching factory hinge to body



(Fig 6) Attach the Base Mounts and Hinge Swing Limit Blocks to the body

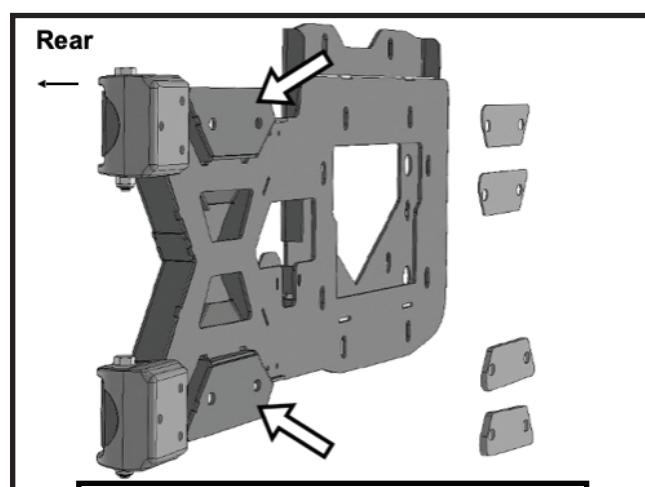


(Fig 7) Attach door with Tire Carrier to Hinge Mounting Bases (note door not pictured)

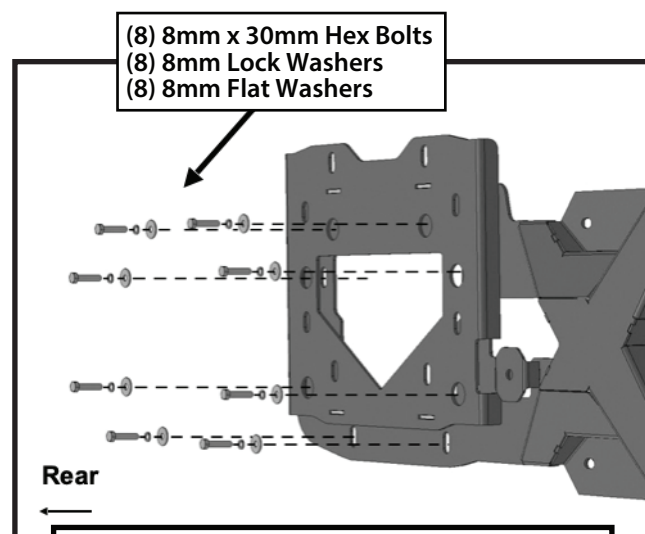
STEP 5

Rotate Tire Carrier onto tailgate surface and attach the Tire Carrier to the center of the door with the included (8) 8mm x 30mm Hex Bolts, (8) 8mm Lock Washers and (8) 8mm Flat Washers (Figs 8 and 9). DO NOT fully tighten hardware.

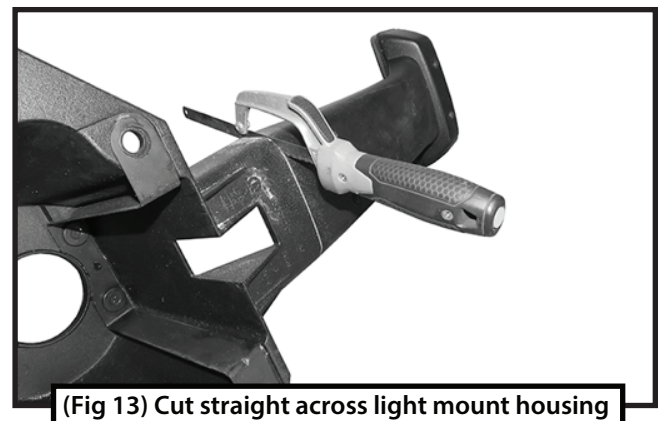
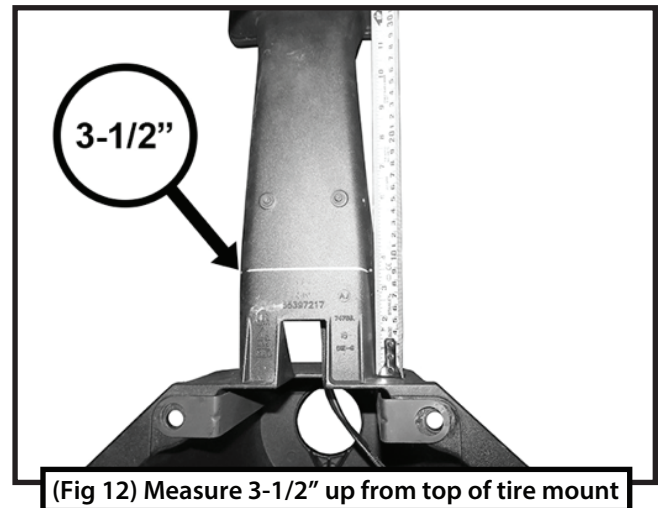
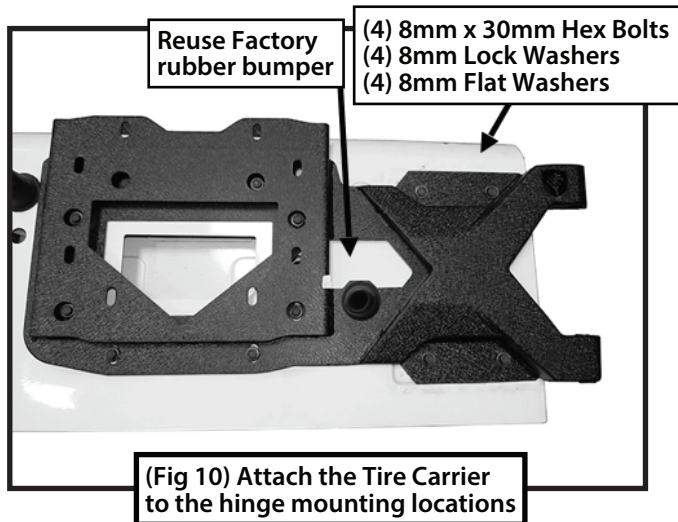
Then, check for the upper and lower gaps behind the right side of the Carrier. Take up to 2 Shims (as needed) and to fill each gap by installing them with the included (4) 8mm x 30mm Hex Bolts, (4) 8mm Lock Washers and (4) 8mm Flat Washers (Fig 10). DO NOT fully tighten hardware at this time.



(Fig 8) Carefully rotate and position spare tire carrier onto tailgate surface. Check for gap at hinge mounting locations (arrows). Use provided spacers to fill gap as needed

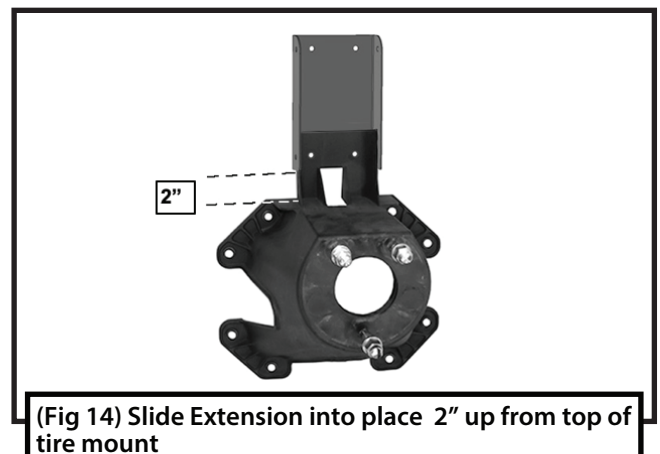


(Fig 9) Attach Tire Carrier to center of rear door



STEP 9

Draw a line on the cut off stub, (below the cutline), 2" up from the top of the tire mount (Fig 14). Select the Extension Bracket. Place the Bracket over the tire mount. Line up the Bracket with the reference line. Make sure the Extension Bracket is straight. Mark the location of the (4) mounting holes on the Extension Bracket onto the tire mount (Fig 15). Use a 1/4" drill bit and drill out the (4) locations (Fig 16). Attach the Extension Bracket to the tire mount with the included (4) 6mm Button Head Bolts, (8) 6mm Flat Washers and (4) 6mm Nylon Lock Nuts (Fig 17).

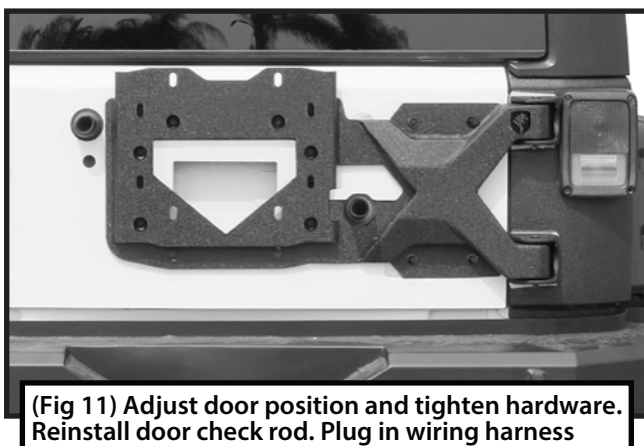


STEP 6

Attach the (1) rubber bump stop removed in **STEP 3** to the Tire Carrier.

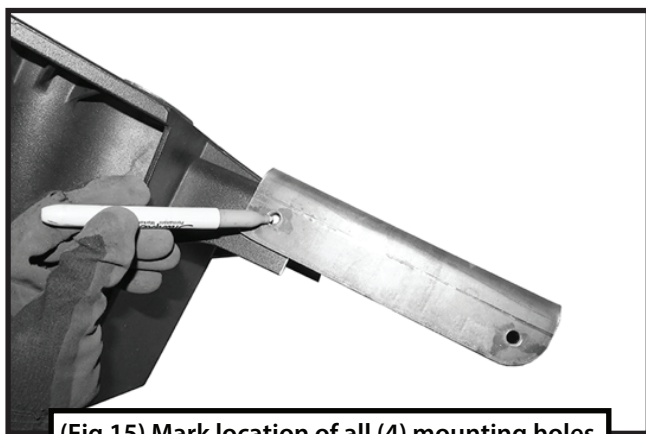
STEP 7

Adjust the position of the Tire Carrier and Hinge Bases as necessary for proper door operation and fully tighten all hardware (Fig 11).

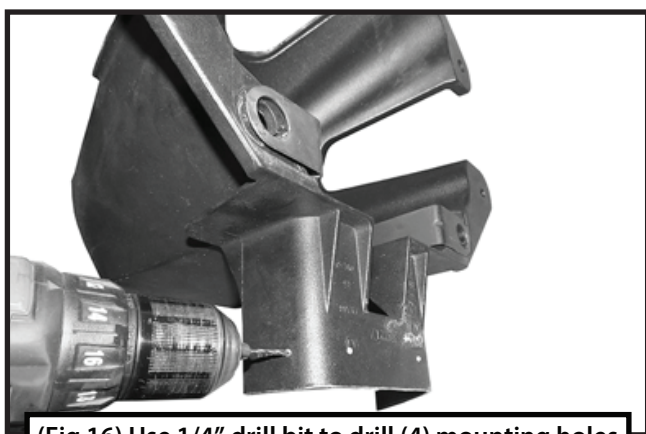


STEP 8

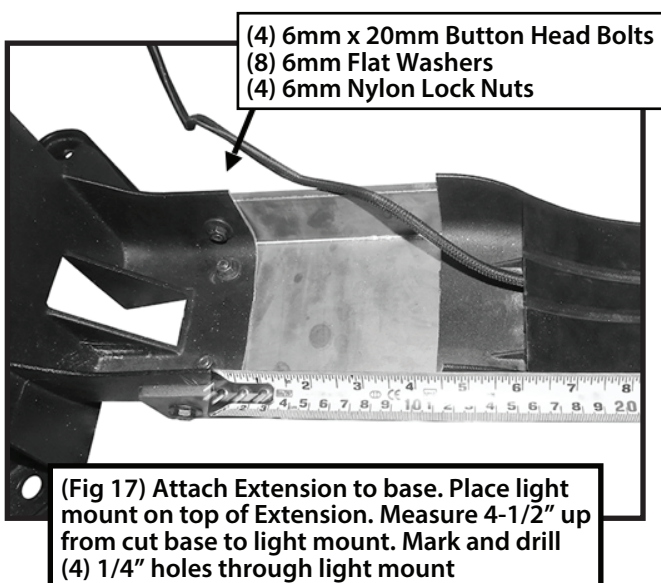
Place the plastic tire mount on a stable work surface. Mark a straight line across the mount for the 3rd brake light, 3-1/2" up from the top of the tire mount (Fig 12). Use a hacksaw to cut the upper part of the brake light mount off of the tire mount (Fig 13). **IMPORTANT:** Measurements given for cutting the light mount and Extension Bracket installation are suggestions, actual measurements may be adjusted as necessary to fit different tire sizes.



(Fig 15) Mark location of all (4) mounting holes



(Fig 16) Use 1/4" drill bit to drill (4) mounting holes

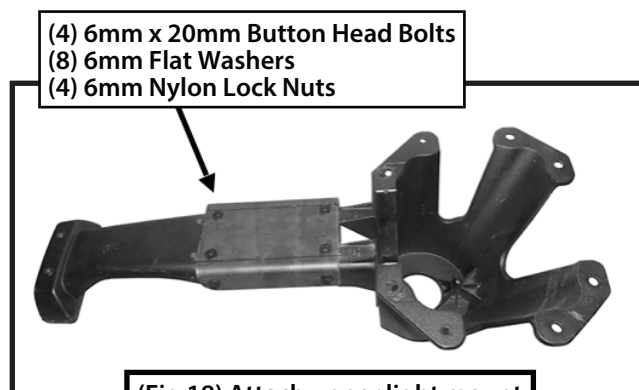


(4) 6mm x 20mm Button Head Bolts
(8) 6mm Flat Washers
(4) 6mm Nylon Lock Nuts

(Fig 17) Attach Extension to base. Place light mount on top of Extension. Measure 4-1/2" up from cut base to light mount. Mark and drill (4) 1/4" holes through light mount

STEP 10

Slide the cut off section of the 3rd brake light housing into the top of the Extension Bracket. Leave a 4-1/2" space between the top of the stub on the tire mount and the cut off light housing (Fig 17). Make sure the light mount is straight and mark the location of the (4) mounting holes on the Extension Bracket onto the light housing. Repeat **STEP 11** to drill the (4) mounting holes and to attach the upper light housing to the Extension Bracket (Fig 18). Reassemble the brake light.

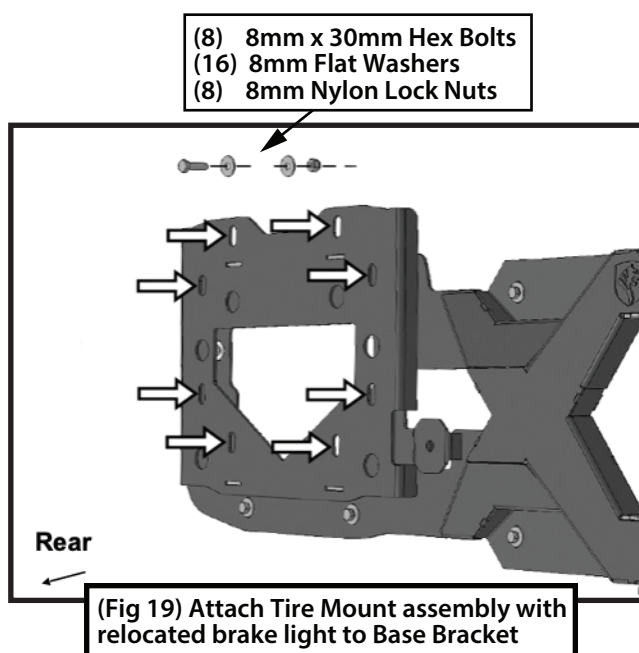


(4) 6mm x 20mm Button Head Bolts
(8) 6mm Flat Washers
(4) 6mm Nylon Lock Nuts

(Fig 18) Attach upper light mount to Extension Bracket

STEP 11

Attach the tire mount to the previously installed Tire Carrier with the included (8) 8mm x 30mm Hex Bolts, (16) 8mm Flat Washers and (8) 8mm Nylon Lock Nuts (Fig 19). Fully tighten hardware.



(8) 8mm x 30mm Hex Bolts
(16) 8mm Flat Washers
(8) 8mm Nylon Lock Nuts

Rear

(Fig 19) Attach Tire Mount assembly with relocated brake light to Base Bracket

STEP 12

Reinstall the **3rd** brake light unit. Insert the brake light wire harness and grommet back into and through the door.

STEP 13

Open the door and plug in the door harness to the main wiring harness. Plug the door harness into the brake light harness. Remove any shims used for leveling the door and the bumper.

STEP 14

Reinstall the spare tire.

STEP 15

Do periodic inspections to the installation to make sure that all hardware is secure, tight and properly adjusted. Always remove spare tire before servicing bearing assembly.