



TYGER GUARD™

TG-TR8J84078

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:

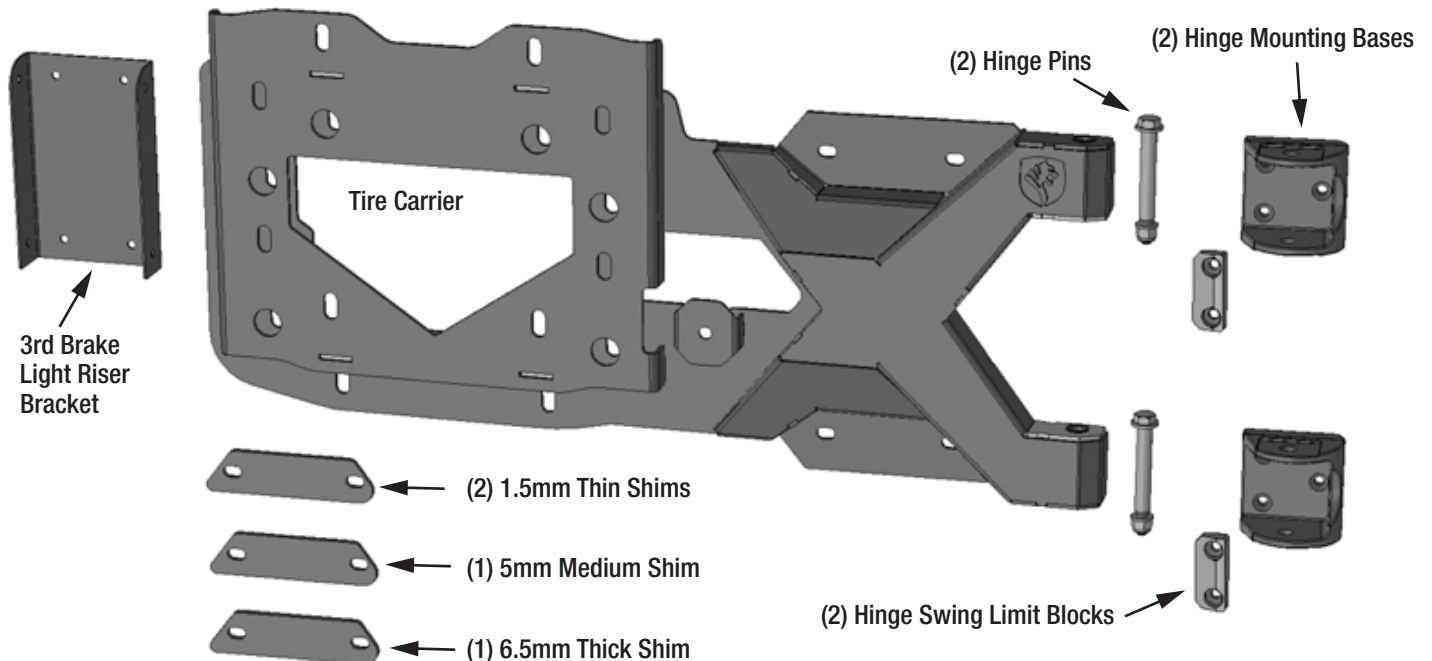
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TORQUE VALUES

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

Parts List



PROCEDURE:

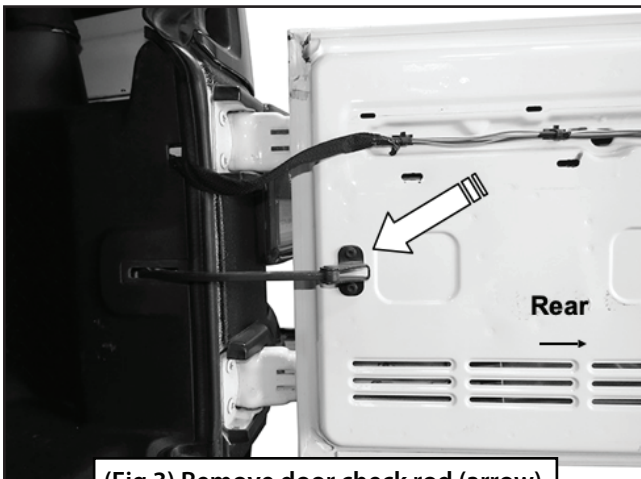
REMOVE CONTENTS FROM BOX. VERIFY ALL PARTS ARE PRESENT. READ INSTRUCTIONS CAREFULLY BEFORE STARTING INSTALLATION. ASSISTANCE IS RECOMMENDED. DRILLING IS REQUIRED.

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 3).



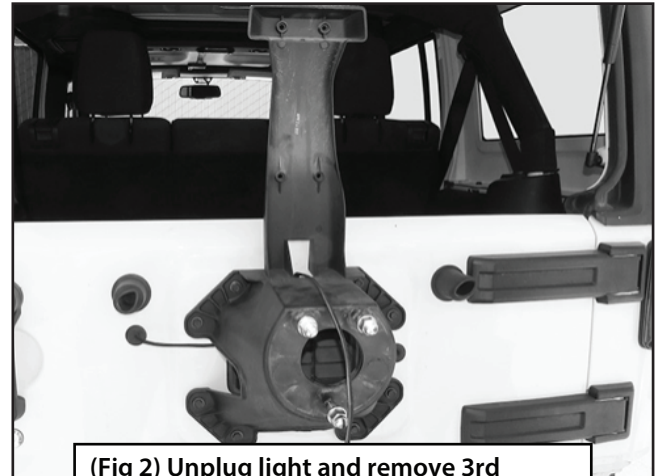
(Fig 1) Remove vent to access and unplug harness for 3rd brake light



(Fig 3) Remove door check rod (arrow).

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).



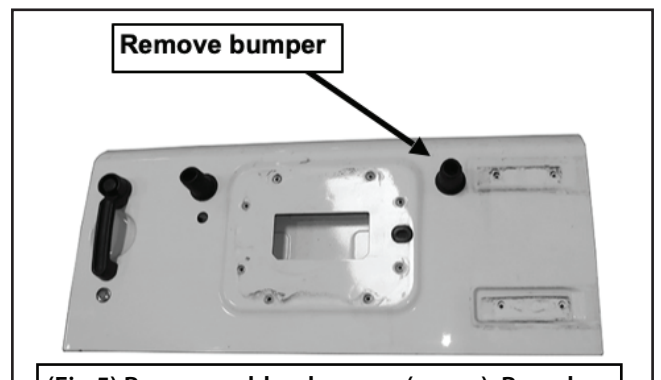
(Fig 2) Unplug light and remove 3rd brake light. Pull wire harness for light (with grommet) out through door. Remove factory spare tire mount assembly

STEP 3

Open door and remove the door check rod (Fig 3). Remove the outer covers from the hinges on the door and body if equipped (Fig 4). Remove the passenger/right side rubber bumper. With assistance, remove the hex bolts attaching the hinges to the rear door and remove the door (Fig 5). Place the door on a clean, stable surface. Next, remove both hinges from the body.



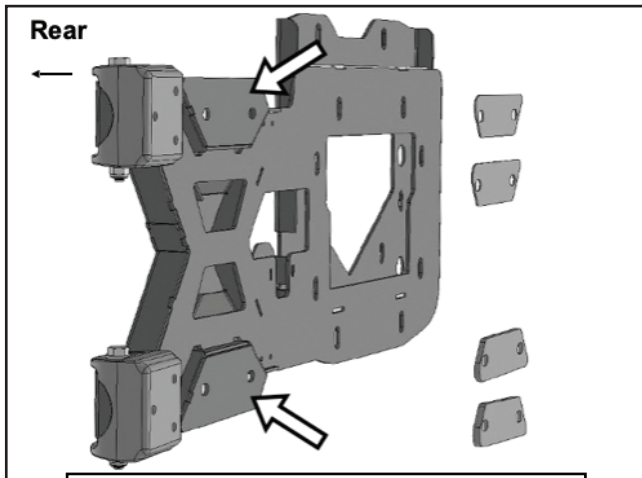
(Fig 4) Remove covers from hinges and around hinge anchors. Remove hex bolts attaching hinges to door. Remove rear door



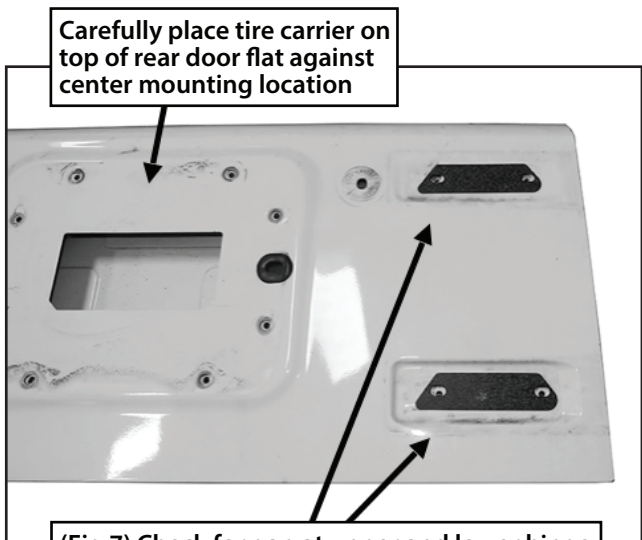
(Fig 5) Remove rubber bumper (arrow). Rear door pictured with vent removed. Do not remove vent

STEP 4

Select the Tire Carrier (Fig 6). Carefully place the Tire Carrier in position on top of the rear door (Fig 7). With the Carrier flat against the mounting location in the center of the door, check for gaps between the upper and lower mounting points (hinge area) on the right side of the door. Insert any combination of the included Adjustment Shims/Spacers to fill the gap at the upper and lower hinge mounting points only.



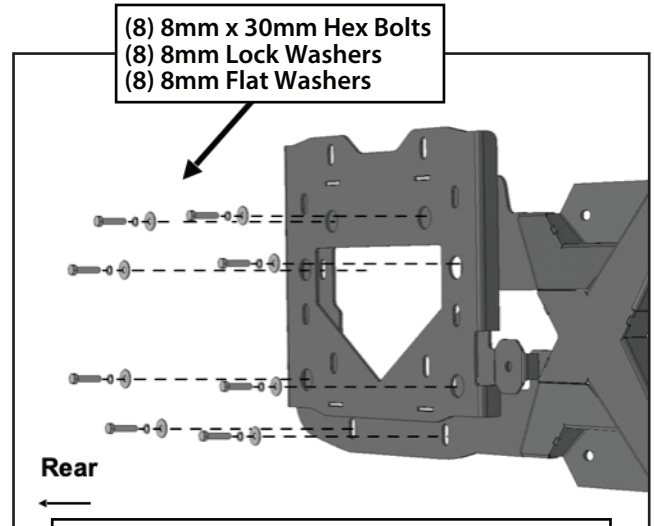
(Fig 6) Carefully place tire carrier on top of rear door. Check for gap at hinge mounting locations (arrows). Use provided spacers to fill gap as needed (also see Fig 7).



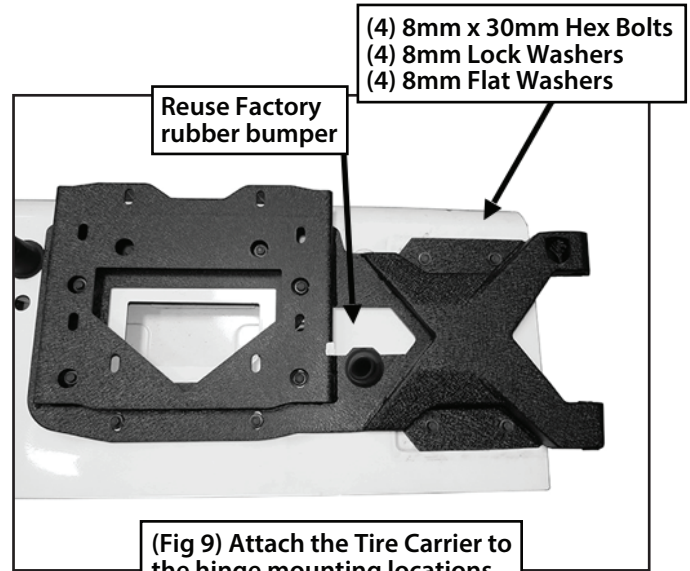
(Fig 7) Check for gap at upper and lower hinge mounting locations (arrows) Use provided spacers to fill gap as needed (also see Fig 6).

STEP 5

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 (Fig 8). Do not fully tighten hardware. Attach the right side of the Carrier and Shims to the upper and lower hinge mounting locations with the included (4) 8mm x 30mm Hex Bolts, (4) 8mm Lock Washers and (4) 8mm Flat Washers (Fig 9). DO NOT fully tighten hardware at this time.



(Fig 8) Attach Tire Carrier to center of rear door



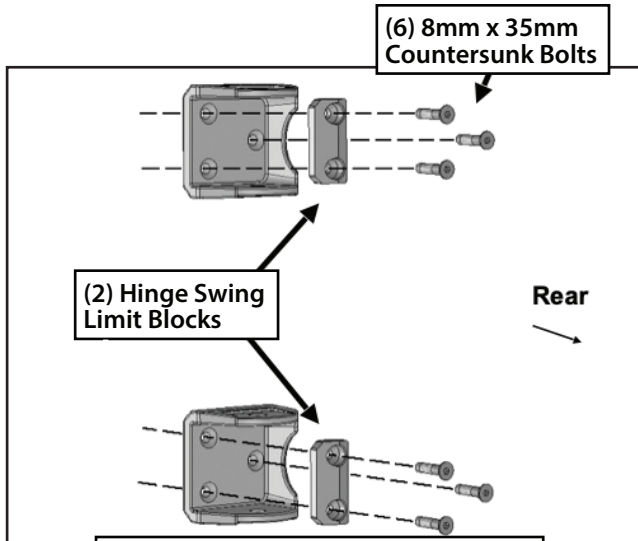
(Fig 9) Attach the Tire Carrier to the hinge mounting locations

STEP 6

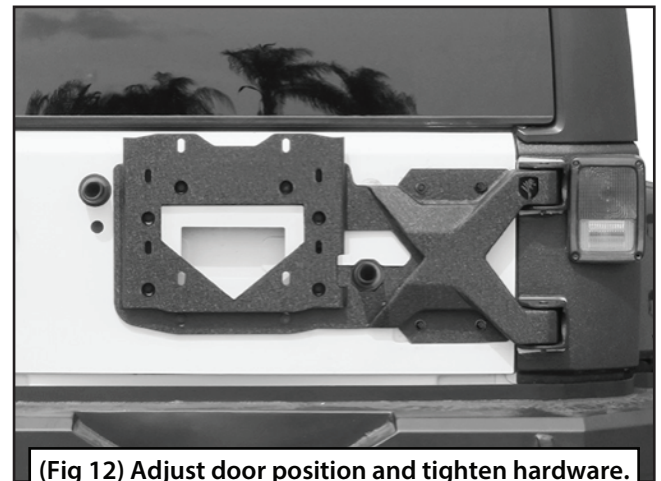
Attach the (1) rubber bump stop removed in STEP 3 to the Tire Carrier (Fig 9).

STEP 7

Next, 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 10).



(Fig 10) Attach the Base Mounts and Hinge Swing Limit Blocks to the body



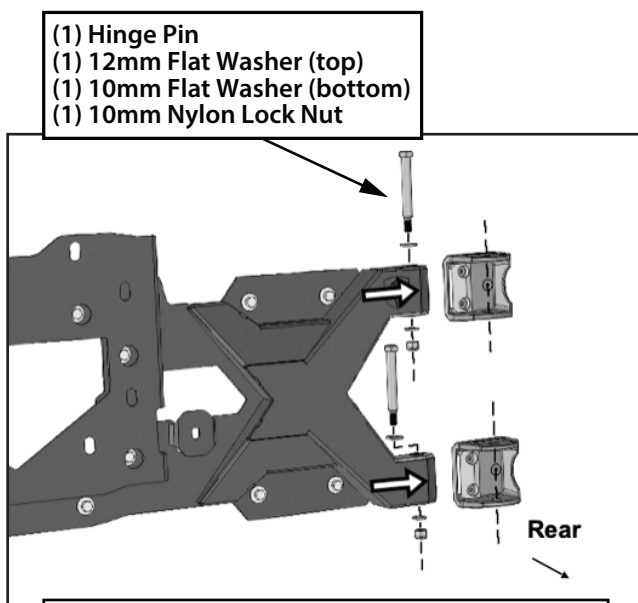
(Fig 12) Adjust door position and tighten hardware. Reinstall door check rod. Plug in wiring harness

STEP 9

Reinstall the door check rod. Slowly try to close the rear door. Adjust the position of the Tire Carrier and Hinge Bases as necessary for proper door operation and fully tighten all hardware (Fig 12). **IMPORTANT:** DO NOT operate the door without the door check rod in place.

STEP 8

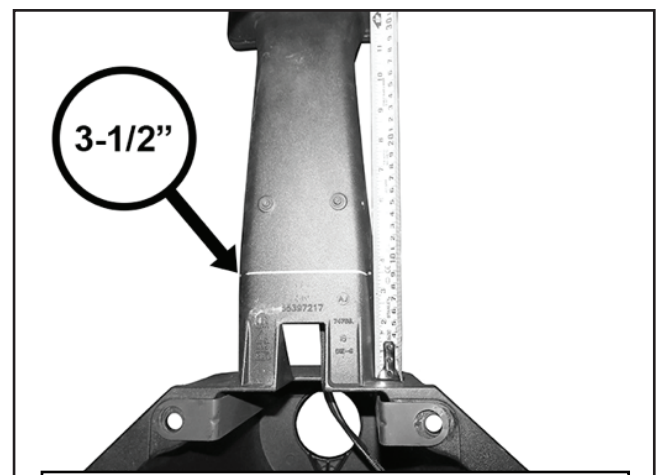
With assistance, lift up the rear door and guide the mounts on the Tire Carrier into the Hinge Mounting Bases. Attach the Tire Carrier to the Bases with the included (2) Hinge Pins, (2) 12mm Large Flat Washers (top), (2) 10mm Small Flat Washers (bottom of hinge), and (2) 10mm Nylon Lock Nuts (Figs 11 & 12). Snug but DO NOT fully tighten hardware at this time.



(Fig 11) Attach door with Tire Carrier to Hinge Mounting Bases (note door not pictured)

STEP 10

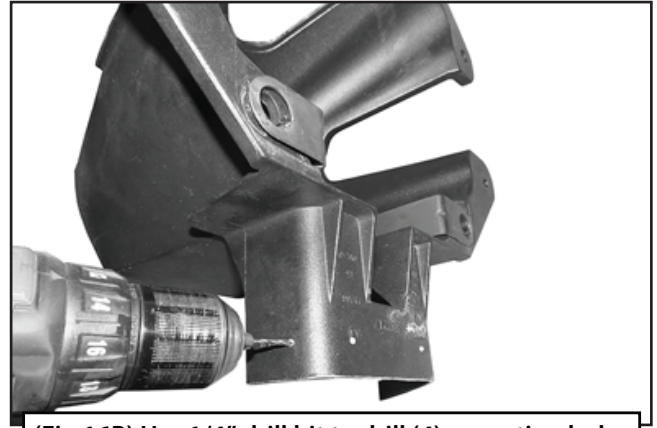
Place the plastic tire mount on a stable work surface. Mark a straight line across the mount for the 3rd brake light, 3-1/2" up from the top of the tire mount (Fig 13). Use a hacksaw to cut the upper part of the brake light mount off of the tire mount (Fig 14). **IMPORTANT:** Measurements given for cutting the light mount and Extension Bracket installation are suggestions, actual measurements may be adjusted as necessary to fit different tire sizes.



(Fig 13) Measure 3-1/2" up from top of tire mount



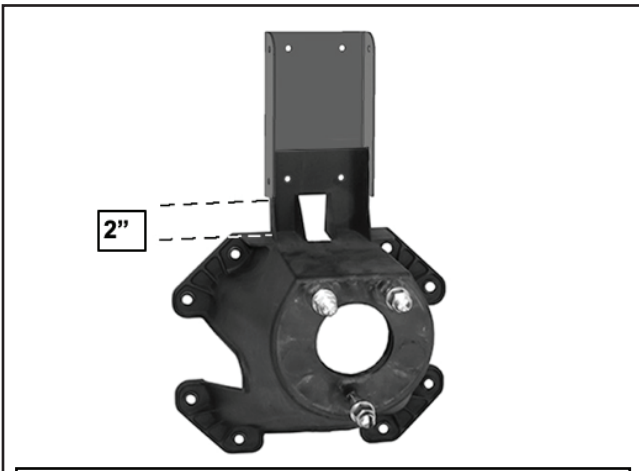
(Fig 14) Cut straight across light mount housing



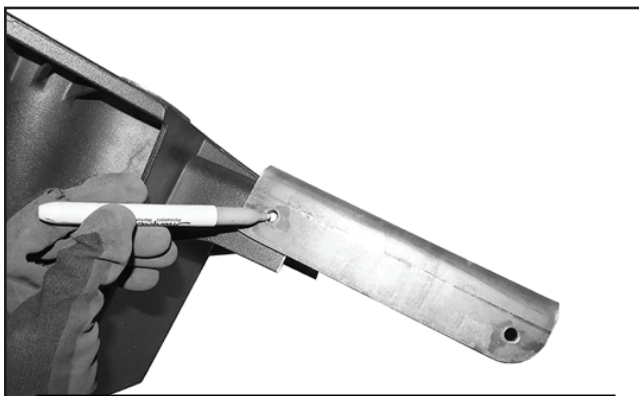
(Fig 16B) Use 1/4" drill bit to drill (4) mounting holes

STEP II

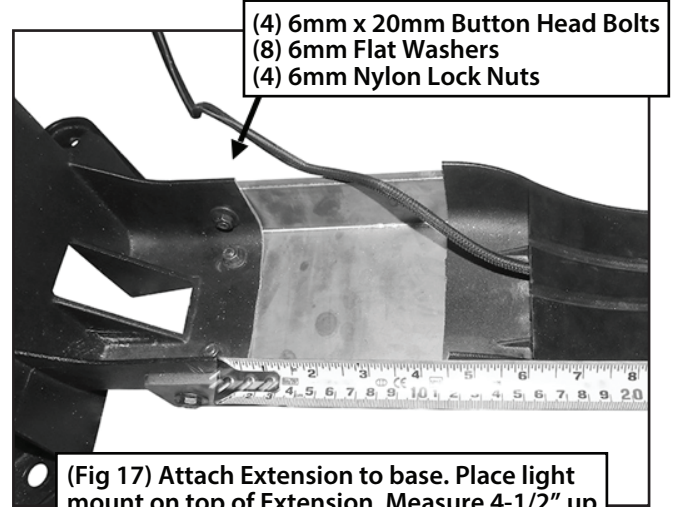
Draw a line on the cut off stub, (below the cutline), 2" up from the top of the tire mount (Fig 15). Select the Extension Bracket. Place the Bracket over the tire mount. Line up the Bracket with the reference line. Make sure the Extension Bracket is straight. Mark the location of the (4) mounting holes on the Extension Bracket onto the tire mount (Fig 16A). Use a 1/4" drill bit and drill out the (4) locations (Fig 16B). 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).



(Fig 15) Slide Extension into place 2" up from top of tire mount



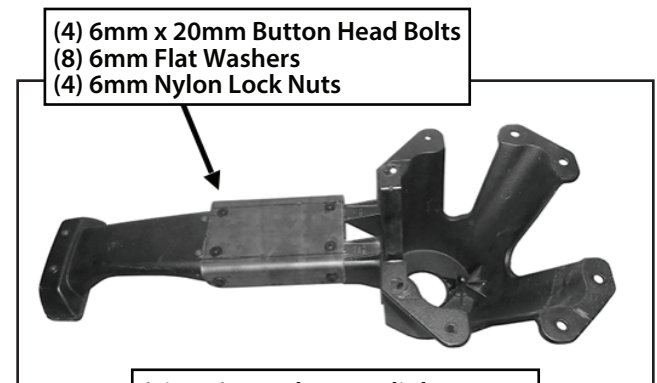
(Fig 16A) Mark location of all (4) mounting holes



(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 12

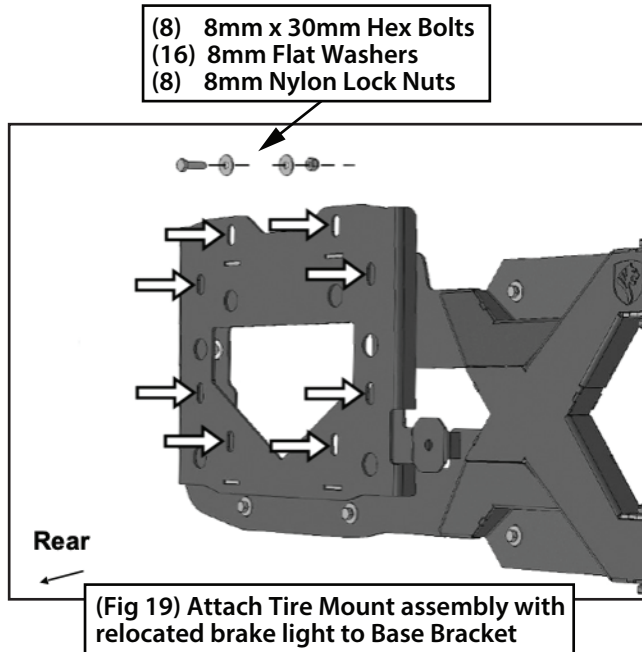
Slide the cut off section of the 3rd brake light housing into the top of the Extension Bracket. Leave a 4-1/2" space between the top of the stub on the tire mount and the cut off light housing, (Fig 17). Make sure the light mount is straight and mark the location of the (4) mounting holes on the Extension 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



(Fig 18) Attach upper light mount to Extension Bracket

STEP 13

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.



STEP 14

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

STEP 15

Open the door and plug in the door harness to the main wiring harness. Plug the door harness into the brake light harness.

STEP 16

Reinstall the spare tire.

STEP 17

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.