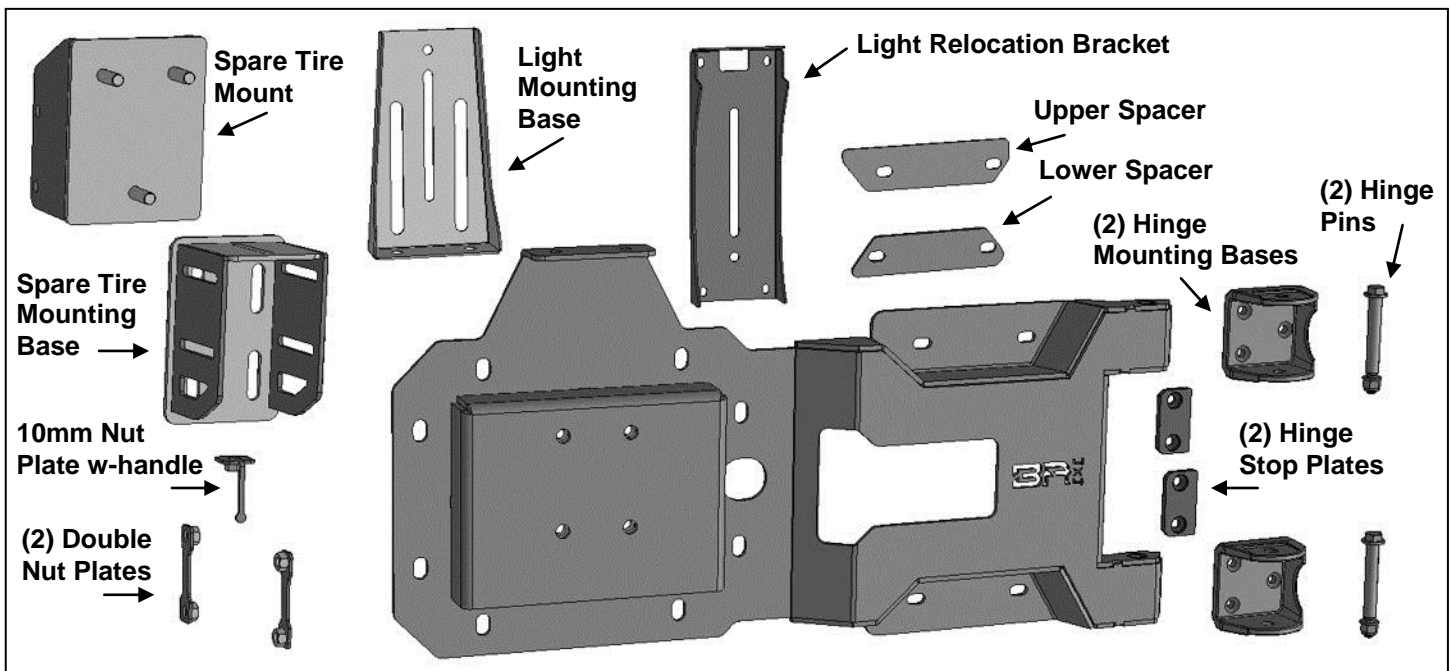


2007-2018 JEEP WRANGLER JK RTC REINFORCED TIRE CARRIER PART# JK-5290

PARTS LIST:

1	Tire Carrier Reinforcement Mount	2	10mm Double Nut Plates
1	Spare Tire Mounting Base	1	10mm Single Nut Plate W-Handle
1	Spare Tire Mounting Bracket	7	10-1.5mm x 30mm Hex Bolts
3	1/2"-20tpi Lug Nuts	11	10mm x 20mm x 2mm Flat Washers
1	3rd Brake Light Bracket Base	5	10mm Lock Washers
1	3rd Brake Light Relocation Bracket	4	10mm Nylon Lock Nuts
2	Hinge Mounting Bases	4	8-1.25mm x 40mm Hex Bolts
2	Nylon Hinge Stop Plates	4	8mm x 22mm x 2mm Flat Washers
2	Hinge Pins	4	8mm Lock Washers
1	Upper Spacer Shim	2	6mm x 20mm Button Head Bolts
1	Lower Spacer Shim	4	6mm x 18mm x 1.6mm Flat Washers
4	12-1.75mm x 40mm Hex Bolts	2	6mm Nylon Lock Nuts
6	12mm x 24mm x 2.5mm Flat Washers	1	4mm Wrench
4	12mm Lock Washers		

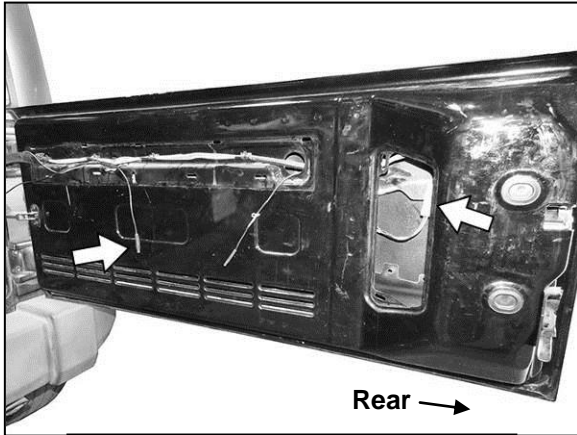


PROCEDURE:

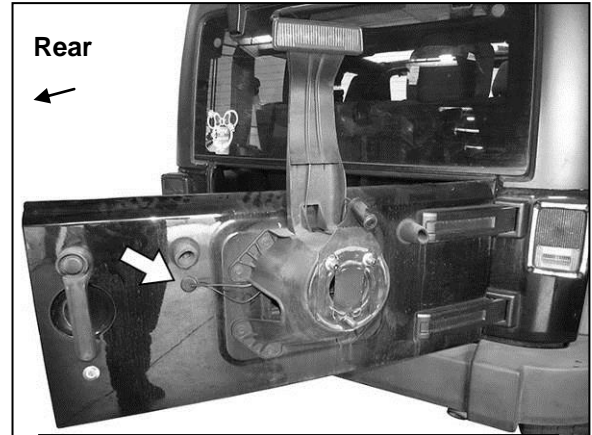
1. REMOVE CONTENTS FROM BOX. VERIFY ALL PARTS ARE PRESENT. READ INSTRUCTIONS CAREFULLY BEFORE STARTING INSTALLATION. ASSISTANCE IS RECOMMENDED.
2. Remove the spare tire. Open the rear door and remove the vent cover from the door, (Figure 1). Unplug the wire harness leading to the 3rd Brake Light and back up camera if equipped, (Figure 1).
3. Close the rear door and pull the wire harness and grommet out through the door, (Figure 2).

4. Remove the plastic tire mount from the rear door, **(Figure 2)**.
5. Remove the outer covers from the hinges on the door and body, **(Figure 3)**. Remove the hex bolts attaching the hinges to the rear door, **(Figure 4)**. Remove both hinges from the body.
6. Select (1) Hinge Mount and (1) Nylon Stop Plate, **(Figure 5)**. Reuse the factory screws to attach the Hinge Mount and Stop Plate to the top mounting location on the body, **(Figure 6)**. Do not fully tighten hardware. Repeat this **Step** to install the lower Hinge Mount and Stop Plate.
7. Carefully unwrap the Tire Carrier Mount. With assistance, hold the Mount up in place. Attach the Mount to the (2) Hinge Mounts with the included (2) 12mm Hinge Pin Bolts, (2) 12mm Flat Washers (top), (2) 10mm Flat Washers (bottom) and (2) 10mm Nylon Lock Nuts, **(Figure 7)**. Leave hardware loose.
8. Rotate the Tire Carrier Mount to line up with the rear door. Reuse the (8) factory hex bolts to attach the Tire Carrier Mount to the center of the door, **(Figure 8)**. Leave hardware loose.
9. With the Carrier Mount 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, **(Figure 9)**. Insert the included Upper and Lower Spacers to fill the gap at the hinge mounting points if needed, **(Figure 10)**.
10. Attach the right side of the Carrier Mount and Spacers (if used), to the upper and lower hinge mounting locations with the included (4) 8mm x 40mm Hex Bolts, (4) 8mm Lock Washers and (4) 8mm Flat Washers, **(Figures 9 & 10)**. Do not fully tighten hardware at this time.
11. Slowly try to close the rear door. Adjust the position of the Tire Carrier Mount and Hinge Bases as necessary for proper door operation and door alignment to body. Once fit has been properly adjusted, fully tighten all hardware.
12. Attach the Tire Mount Base Bracket to the Carrier with the included (4) 12mm Hex Bolts, (4) 12mm Lock Washers and (4) 12mm Flat Washers, **(Figure 11)**. Place the Spare Tire Mount over the Base. Insert the 10mm Single Nut Plate up from below the Tire Mount. Attach the Tire Mount to the top of the Base and 10mm Nut Plate with (1) 10mm x 30mm Hex Bolt, (1) 10mm Lock Washer and (1) 10mm Flat Washer, **(Figure 12)**. Leave loose.
13. Insert (1) 10mm Double Nut Plate up from below the Tire Mount. Attach the side of the Tire Mount to the Base and the Double Nut Plate with (2) 10mm x 30mm Hex Bolts, (2) 10mm Lock Washers and (2) 10mm Flat Washers, **(Figure 13)**. Repeat this **Step** to attach the remaining side of the Tire Mount to the Base and 10mm Double Nut Plate, **(Figure 14)**.
14. Select the Brake Light Relocation Bracket Base. Attach the Base to the top of the Tire Carrier Mount with the included (2) 10mm x 30mm Hex Bolts, (4) 10mm Flat Washers and (2) 10mm Nylon Lock Nuts, **(Figure 15)**.
15. Attach the Upper Light Mount to the lower Base with the included (2) 6mm x 20mm Button Head Bolts, (4) 6mm Flat Washers and (2) 6mm Nylon Lock Nuts, **(Figure 16 & 17)**. Do not fully tighten 6mm hardware until after the spare tire has been placed in position to check for clearance.
16. Move to the factory plastic tire mount and brake light. Remove the screws to disassemble the light mount and remove the light, **(Figure 18)**. Reuse the factory screws to attach the light assembly to the Upper Light Mount Bracket, **(Figure 19)**. Insert the brake light wire harness and grommet back into and through the door.
17. Use the included 1/2" Lug Nuts to attach the spare tire. Adjust Tire Mount and base up or down to clear the rear bumper. Adjust the spare tire in or out as necessary to push the tire against the rubber bumpers, **(Figure 20)**. Adjust the height of the brake light mount as necessary to clear the top of the spare tire. Fully tighten all hardware. Temporarily remove the spare tire.
18. Open the door and plug the brake light harness into the door harness. Replace door cover panels.
19. Do periodic inspections to the installation to make sure that all hardware is secure, tight and properly adjusted.

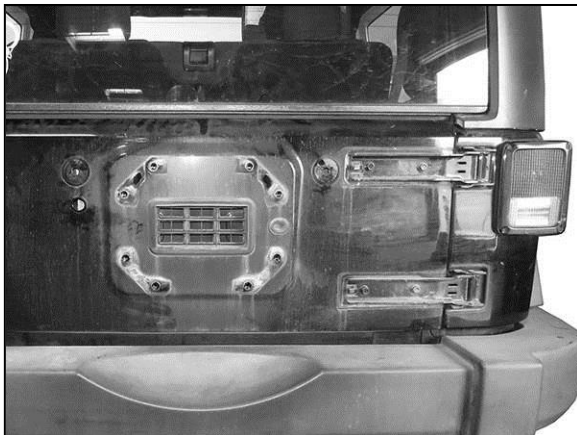
To protect your investment, Do not use any type of polish or wax that may contain abrasives that could damage the finish. Mild soap may be used to clean the Tire Mount.



(Fig 1) Remove covers to access and unplug harness for 3rd brake light and camera if equipped



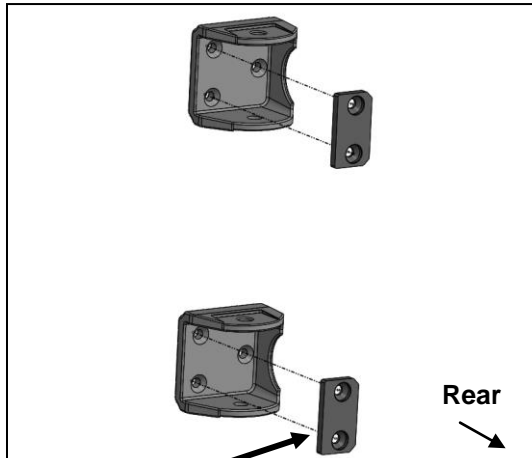
(Fig 2) Pull wire harness for light (with grommet) out through door. Remove factory spare tire mount assembly



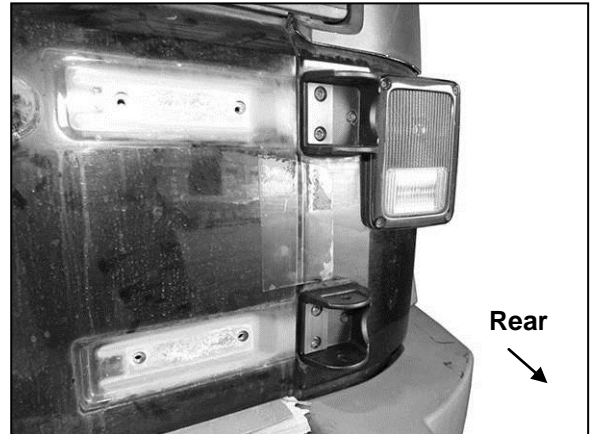
(Fig 3) Remove covers from hinges and around hinge anchors.



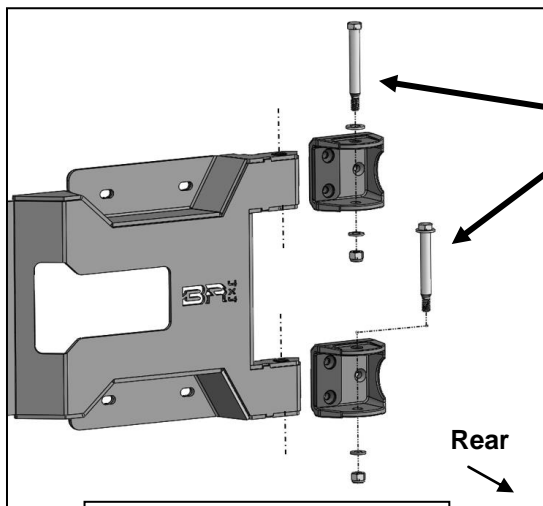
(Fig 4) Remove hex bolts attaching hinges to door. Note scrap wood used along bottom to hold door up in position



(Fig 5) Reuse factory bolts to attach Hinge Bases and Nylon Stop Plates. Note Stop Plates must be installed as illustrated

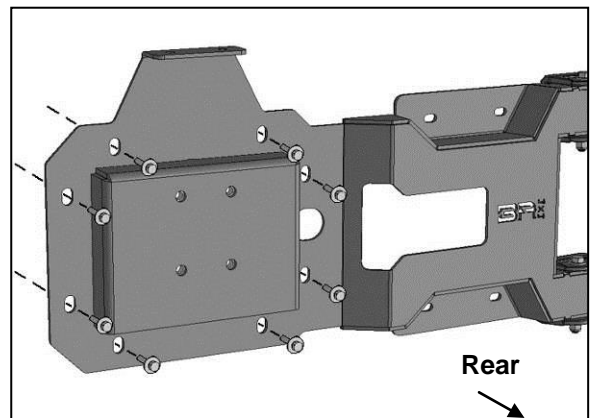


(Fig 6) Hinge Bases and Nylon Stop Plates installed. Note Stop Plates must be installed as pictured

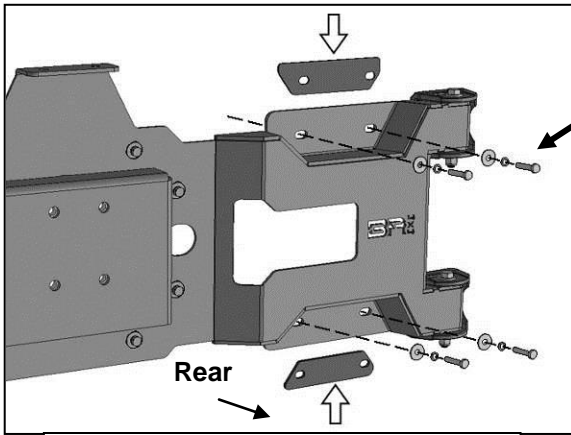


- Hinge Pin
- 12mm Flat Washer (top)
- 10mm Flat Washer (bottom)
- 10mm Nylon Lock Nut

(Fig 7) Attach Tire Carrier to Hinge Mounting Bases

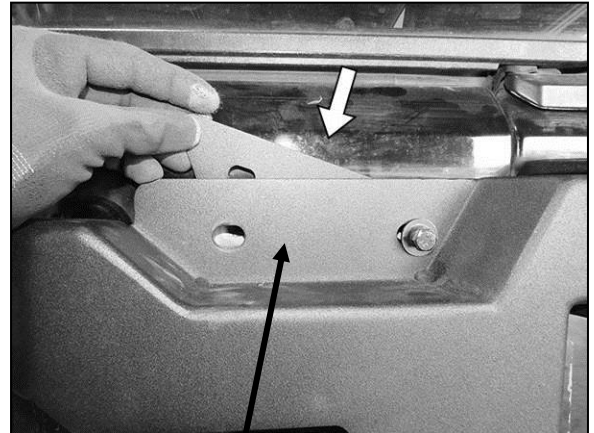


(Fig 8) Reuse the factory hex bolts to attach the Tire Carrier to center of rear door



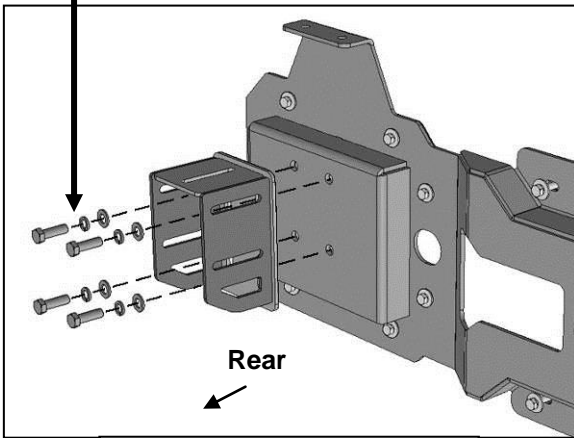
- (4) 8mm x 40mm Hex Bolts
- (4) 8mm Lock Washers
- (4) 8mm Flat Washers

(Fig 9) Attach the Tire Carrier to the hinge mounting locations. Insert Upper and Lower Spacers between Mount and door if needed (Fig 10)



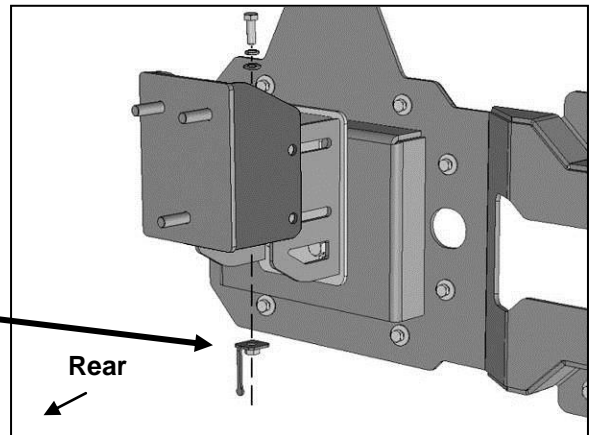
(Fig 10) Insert Spacers between Tire Mount and door (Upper Spacer pictured)

- (4) 12mm x 40mm Hex Bolts
- (4) 12mm Lock Washers
- (4) 12mm Flat Washers



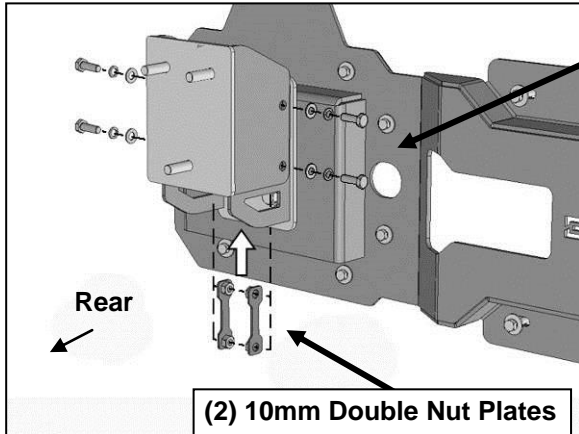
(Fig 11) Attach Tire Mount Base Bracket to Tire Mount

- 10mm x 30mm Hex Bolt
- 10mm Lock Washer
- 10mm Flat Washer



(Fig 12) Slide Tire Mount over Base Bracket. Attach Tire Mount to top of Base Bracket

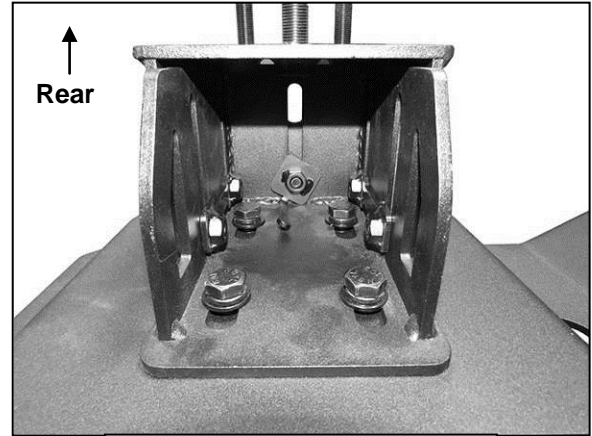
- 10mm Single Nut Plate with handle



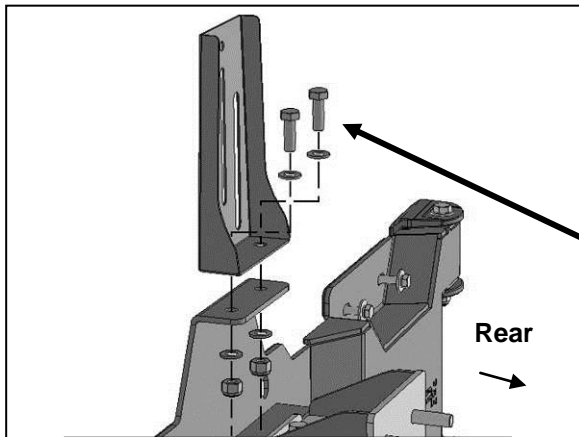
- (4) 10mm x 30mm Hex Bolts
- (4) 10mm Lock Washers
- (4) 10mm Flat Washers

(2) 10mm Double Nut Plates

(Fig 13) Attach Tire Mount to sides of Base Bracket



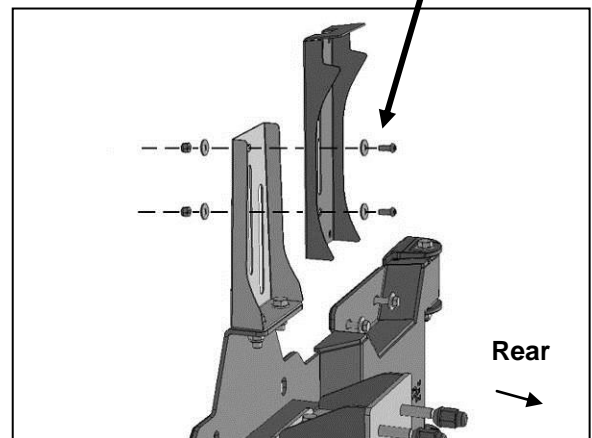
(Fig 14) Tire Mount and Base Bracket pictured from below



- (2) 10mm x 30mm Hex Bolts
- (4) 10mm Flat Washers
- (2) 10mm Nylon Lock Nuts

- (2) 6mm x 20mm Button Head Bolts
- (4) 6mm Flat Washers
- (2) 6mm Nylon Lock Nuts

(Fig 15) Attach Brake Light Base Bracket to top of Tire Mount



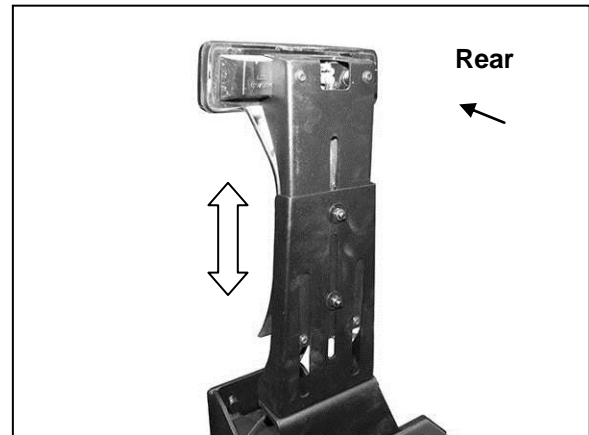
(Fig 16) Attach Light Bracket to inside of Base Bracket



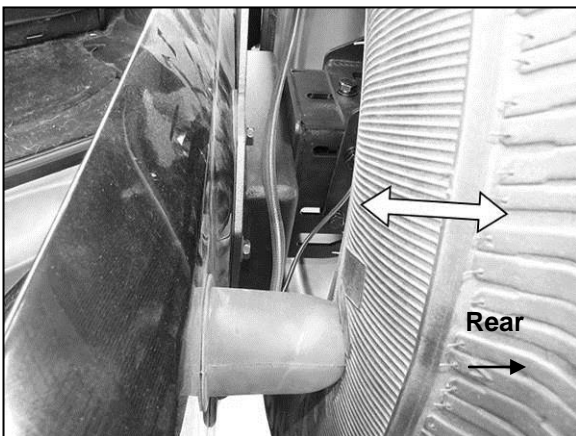
(Fig 17) Light Relocation Brackets installed



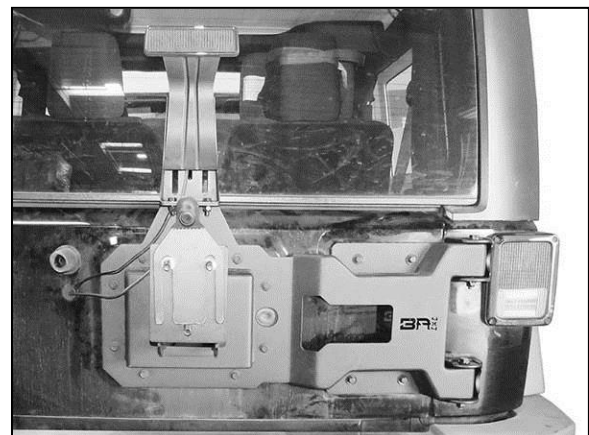
(Fig 18) Remove brake light and harness from top of factory spare tire mount



(Fig 19) Reuse the factory screws to attach the brake light assembly to upper Light Bracket. Adjust the height of the light to clear the spare tire



(Fig 20) Adjust Tire Mount up or down, in or out as needed and fully tighten all hardware



(Fig 21) Tire Mount fully installed