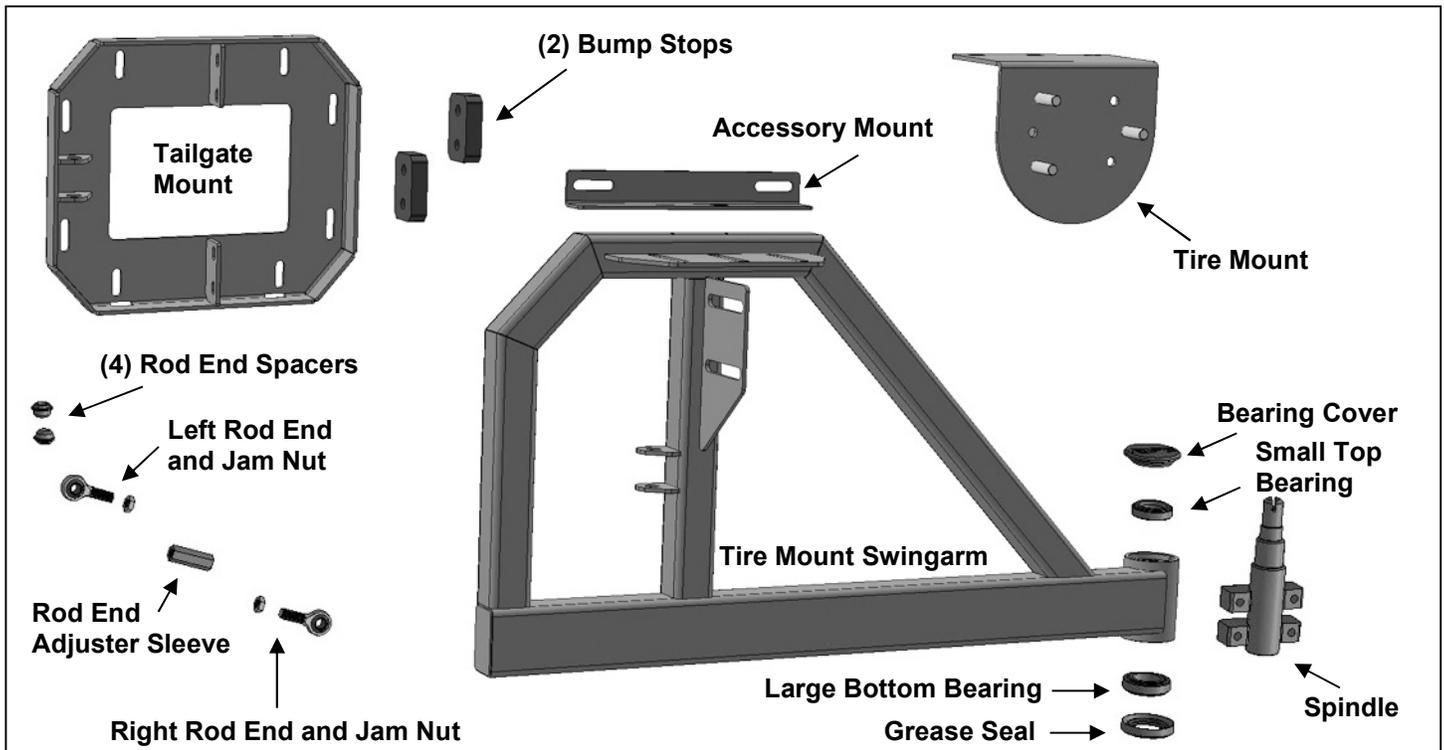


## 2007-2018 WRANGLER JK TIRE CARRIER SINGLE ACTION (FITS JK-2965 BUMPER) PART #5297

### PARTS LIST:

1	Swing Arm	2	Rubber Bump Stops
1	Tire Carrier Bracket	3	1/2" x 20 Lug Nuts
1	Tailgate Base Bracket	3	1/2" x 1.65" Long Hex Bolts
1	Accessory Bracket	3	14mm x 28mm x 2.5mm Flat Washers
1	Rod End Adjuster Sleeve	2	12-1.75mm x 70mm Hex Bolts
1	Right Hand Thread Rod End	9	12-1.75mm x 35mm Hex Bolts
1	Right Hand Thread Jam Nut (for Rod End)	18	12mm x 24mm x 2.5mm Flat Washers
1	Left Hand Thread Rod End	4	12mm Lock Washers
1	Left Hand Thread Jam Nut (for Rod End)	7	12mm Nylon Lock Nuts
4	12mm Rod End Spacers	2	8-1.25mm x 30mm Hex Bolts
1	Bolt-On Spindle	2	8mm x 16mm x 1.6mm Flat Washers
1	Small Upper Bearing	2	8mm Lock Washers
1	Large Lower Bearing	4	6-1.0mm x 25mm Button Head Bolts
1	Lower Bearing Seal	4	6mm x 12mm x 1.6mm STD Flat Washers
1	Castle Nut	4	6mm Flange Nuts
1	26mm x 45mm OD x 3mm Thrust Washer	1	Spindle Bearing Cover W-Logo
1	8mm Set Screw (use with Castle Nut)	1	4mm x 15mm Phillips Screw (use w/Bearing Cover)
1	Lock Plate (use with Castle Nut)	1	4mm Wrench



## PROCEDURE:

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

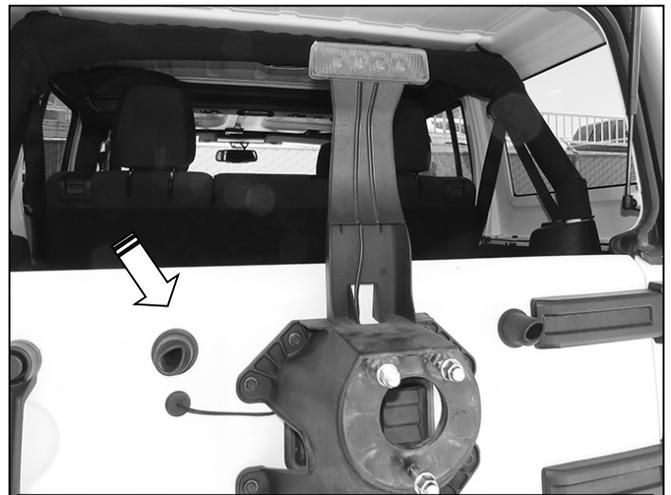
1. Open the tailgate and remove the plastic cover from the back of the tailgate, **(Figure 1)**. Disconnect the wire harness leading to the CHMSL (3rd brake light). Push the wire harness and grommet back through the tailgate, **(Figure 2)**. Reinstall the cover and close tailgate.
2. Remove the spare tire and spare tire mount assembly with light from the tailgate, **(Figures 2 & 3)**.
3. Select the Tailgate Mount. Reuse the factory hex bolts to attach the Tailgate Mount, **(Figures 4 & 5)**.
4. Select (1) Right Hand Thread Rod End and (1) Right Hand Thread Jam Nut. Thread the Jam Nut all the way onto the Rod End, **(Figure 6)**. **VERY IMPORTANT:** The kit includes a Right Hand and a Left Hand thread Rod Ends and Jam Nuts. Only thread the Right Hand Thread Jam Nut by hand onto the Right Hand Thread Rod End. Thread the right hand threaded side of the center Adjuster Sleeve onto the Right Hand Rod End. Select the remaining Left Hand Rod End and Jam Nut. Thread the Jam Nut onto the Left Hand Rod End. Thread the Rod End into the left hand threaded side of the Adjuster Sleeve, **(Figure 6)**. Thread the Rod Ends into the Adjuster Sleeve an equal amount. Leave the Jam Nuts loose.
5. Next, select (2) Rod End Spacers. Insert the Spacers into the tabs on the Tailgate Mount, **(Figure 7)**. Select the Adjuster Assembly from **Step 4**. Insert one end of the Adjuster Assembly between the Spacers and tabs. Attach the Adjuster to the Spacers and tabs with the included 12mm x 70mm Hex Bolt, (2) 12mm Flat Washers and 12mm Nylon Lock Nut, **(Figure 8)**. Do not fully tighten hardware.
6. Select (1) Bump Stop. Attach the Bump Stop to the left side of the tab on the Tailgate Mount with the included (2) 6mm x 25mm Button Head Bolts, (2) 6mm Flat Washers and (2) 6mm Flange Nuts, **(Figures 9 & 10)**. Repeat this Step to attach the remaining Bump Stop.
7. Remove the hole plug from the top of the Bumper, **(Figure 11)**. Insert the Spindle up and between the Mounting Plate and back of the Bumper. **NOTE:** Temporarily remove Bumper if previously installed. Attach the Spindle to the Mounting Plate with the included (4) 12mm x 35mm Hex Bolts, (4) 12mm Lock Washers and (4) 12mm Flat Washers, **(Figures 12 & 13)**. Snug but do not fully tighten hardware at this time as minor adjustment may be necessary.
8. Next, select the Swing Arm. Unwrap the large Lower Bearing assembly. Insert the Bearing Race into the bottom of the Swing Arm, **(Figure 14)**. Pack the Lower Bearing with grease (waterproof wheel bearing grease recommended, not included). Insert the Bearing into the Race in the Swing Arm. Select the Swing Arm Seal. Tap the Seal into the bottom of the Swing Arm, **(Figures 14 & 15)**.
9. Unwrap the small Upper Bearing assembly. Insert the Bearing Race into the top of the Swing Arm, **(Figures 14 & 16)**. With assistance, carefully place the Swing Arm onto the Spindle. Pack the Upper Bearing with grease. Insert the Bearing into the Race in the top of Swing Arm. Place the Thrust Washer and Castle Nut over Spindle and Upper Bearing. Tighten the Castle Nut enough to seat Bearings but do not overtighten, **(Figure 16)**. Check Swing Arm for ease of movement and adjust Castle Nut to stop excessive movement as necessary. Once properly adjusted, slide the Castle Nut Lock Key down into the slot in the Spindle and Nut, **(Figure 17)**. Use the included Set Screw to keep the Lock Key in place in the end of the Spindle, **(Figure 17)**. Push Bearing Cap into the top of the Swing Arm. Secure Cap to Swing Arm with included 4mm Screw, **(Figure 18)**.
10. Align and adjust the Swing Arm to the Bumper and fully tighten Spindle mounting hardware, **(Step 7)**.
11. Repeat **Step 4** to attach (2) Rod End Spacers and the Rod End on the Adjuster Assembly to the tabs on the back of the Swing Arm. Loosen Jam Nuts and turn Adjuster Sleeve to line up Rod End with holes in mounting tabs, **(Figure 19)**. Once adjusted, tighten Jam Nuts on Rod Ends. Also tighten hardware attaching the Adjuster Assembly to the Mount and Swing Arm.
12. Select the Tire Carrier Mounting Bracket. Screw (3) 1/2 x 1-5/8" Hex Bolts with (3) 14mm Flat Washers into the (3) holes in the Tire Mount, **(Figure 20)**. **VERY IMPORTANT:** See **Figure 20** to determine correct mounting holes. Attach the Bracket to the top and left side of the tabs on the Swing Arm with (5) 12mm x 35mm Hex Bolts, (10) 12mm Flat Washers and (5) 12mm Nylon Lock Nuts, **(Figure 21)**. Do not fully tighten hardware at this time as adjustment may be required, **(Figure 22)**.

13. Slowly open the tailgate and check for proper operation. Adjust the Adjuster Assembly length as needed and fully tighten Adjuster hardware, **(Figure 19)**. Close tailgate.
14. With assistance, attach the spare tire to the tire mount studs. Adjust Tire Mount in or out as needed to properly support spare tire across Swing Arm, **(Figure 22)**. Tighten all hardware at this time.
15. Attach the optional Jack Mount to the top of the Swing Arm with the included (2) 8mm x 30mm Hex Bolts, (2) 8mm Lock Washers and (2) 8mm Flat Washers, **(Figure 23)**. Tighten all hardware.
16. Do periodic inspections to the installation to make sure that all hardware is secure and tight.

**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 Tire Carrier.



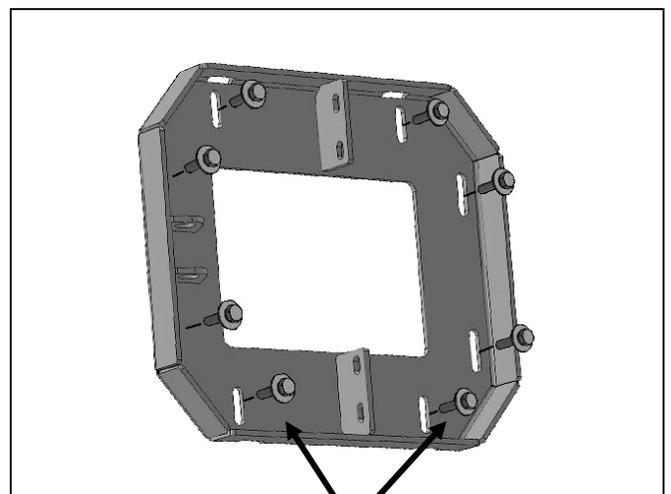
**(Fig 1)** Remove plastic cover from inside of tailgate. Disconnect wire harnesses leading to the CHMSL (3rd brake light)



**(Fig 2)** Release rubber grommet (left arrow) and pull harness through hole in tailgate. Remove plastic spare tire mount from tailgate.



**Fig 3**

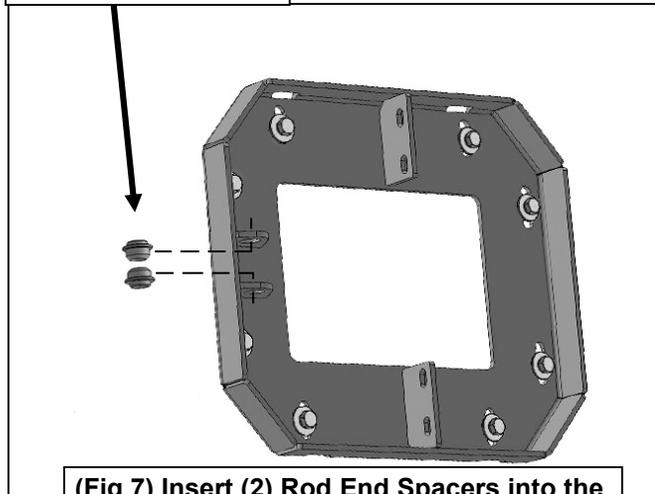


**(Fig 4)** Reuse factory hex bolts to attach the Tailgate Mount Bracket to the tailgate

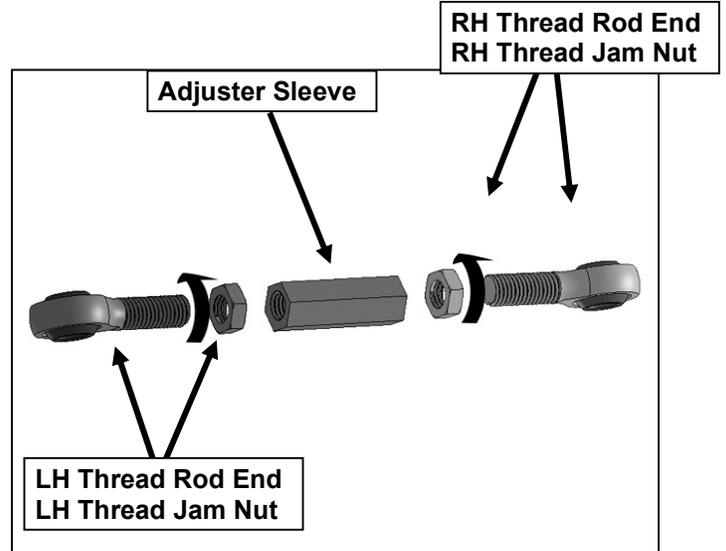


(Fig 5) Tailgate Mount Bracket installed

(2) Rod End Spacers

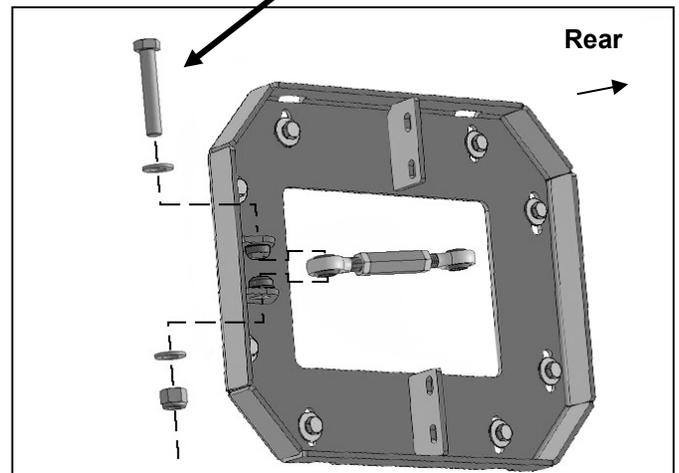


(Fig 7) Insert (2) Rod End Spacers into the holes in the tabs on the Tailgate Mount



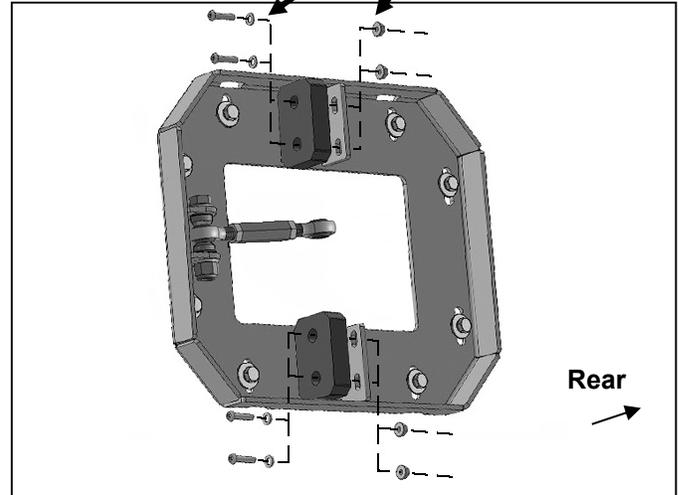
(Fig 6) Assemble the Swing Arm Adjuster assembly. **IMPORTANT:** Adjuster Sleeve, Rod Ends and Jam Nuts feature right hand and left hand threads. Do not mix hardware.

- (2) Rod End Spacers
- (1) 12mm x 70mm Hex Bolt
- (2) 12mm Flat Washers
- (1) 12mm Nylon Lock Nut

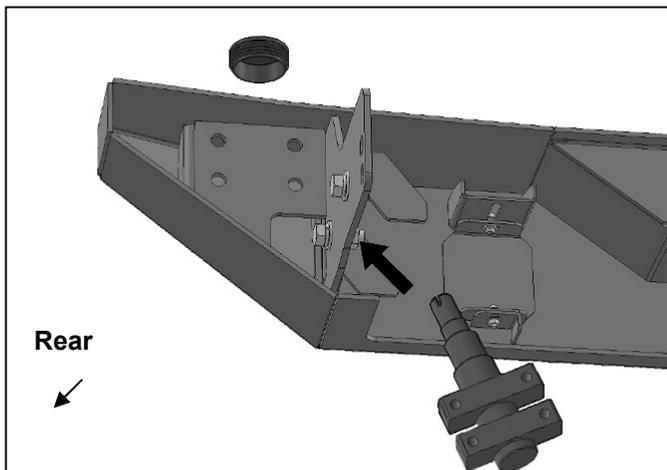


(Fig 8) Slide the end of the Adjuster Assembly between the Rod End Spacers. Attach Adjuster Assembly to tabs and Spacers

- (2) 6mm x 25mm Button Head Bolts
- (2) 6mm x 12mm STD Flat Washers
- (2) 6mm Flange Nuts

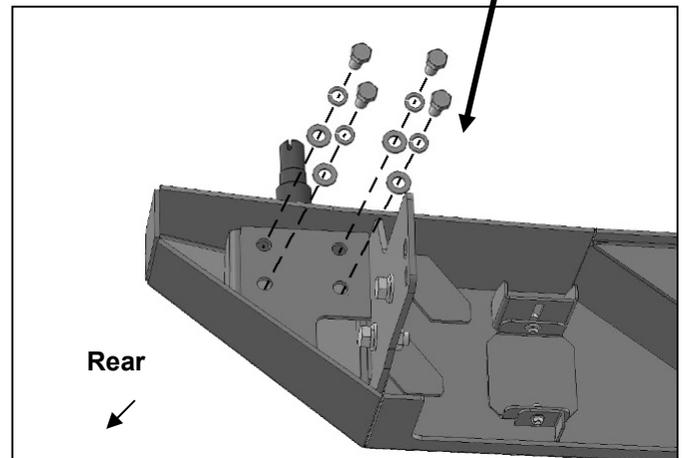


(Fig 9) Attach the Rubber Bump Stops to the Tailgate Mount. Spacers illustrated (arrows) are used for adjustment between the Swing Arm and the Bump Stops only as needed (see Fig 16)

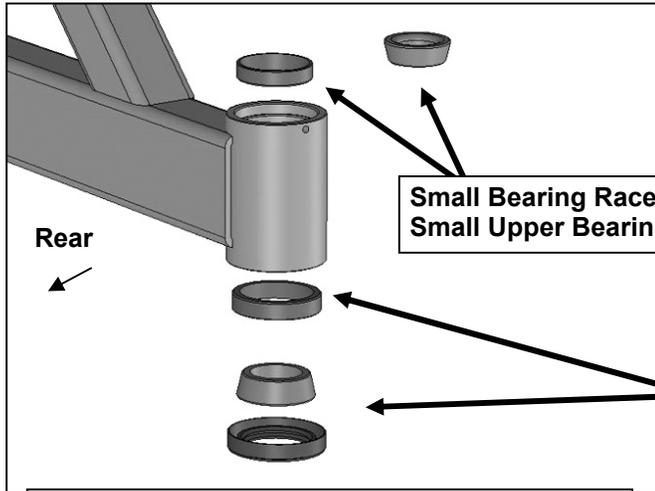


(Fig 11) Remove plug from top of Bumper. Slide Spindle up between mounting plate and back of Bumper. NOTE: It may be necessary to temporarily remove Bumper to install Spindle

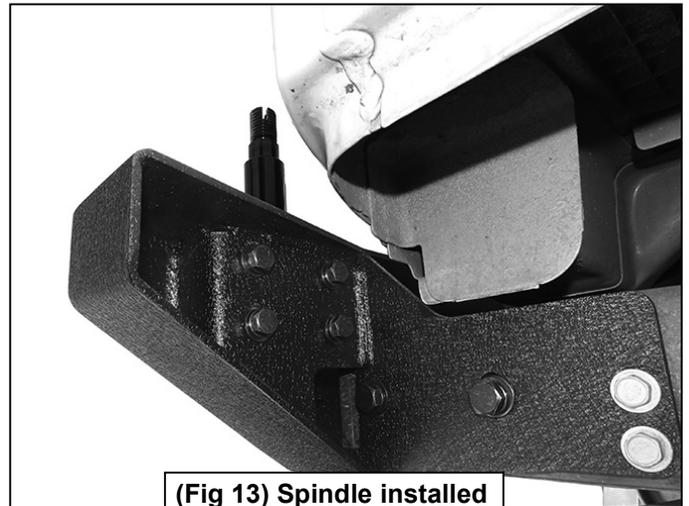
- (4) 12mm x 35mm Hex Bolts
- (4) 12mm Lock Washers
- (4) 12mm Flat Washers



(Fig 12) Attach Spindle to mounting plate on back of Bumper



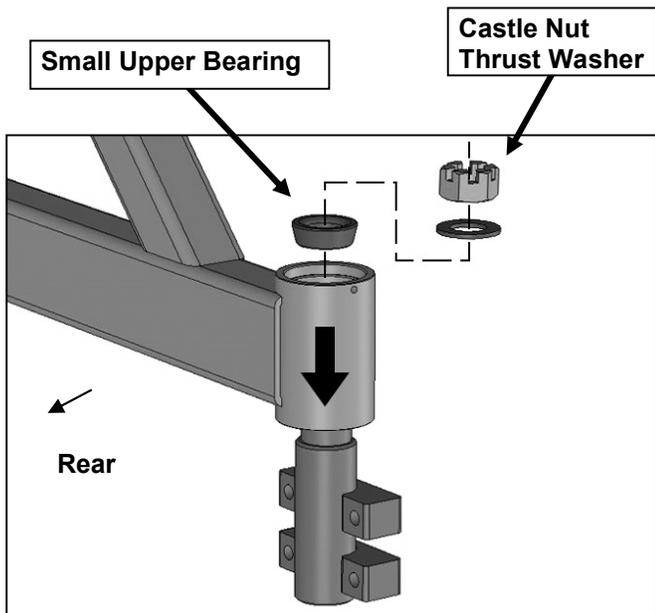
(Fig 14) Insert Bearing Races into Swing Arm. Apply Grease to Lower Bearing. Insert Lower Bearing into Race. Install Grease Seal



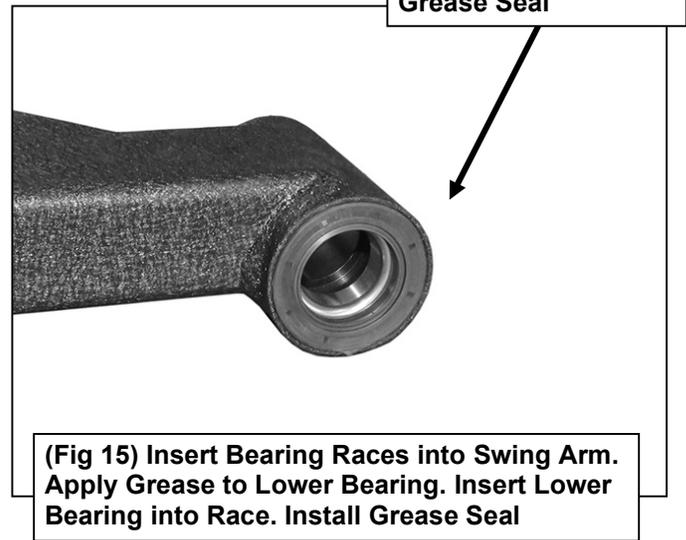
(Fig 13) Spindle installed

Large Bearing Race  
Large Lower Bearing  
Grease Seal

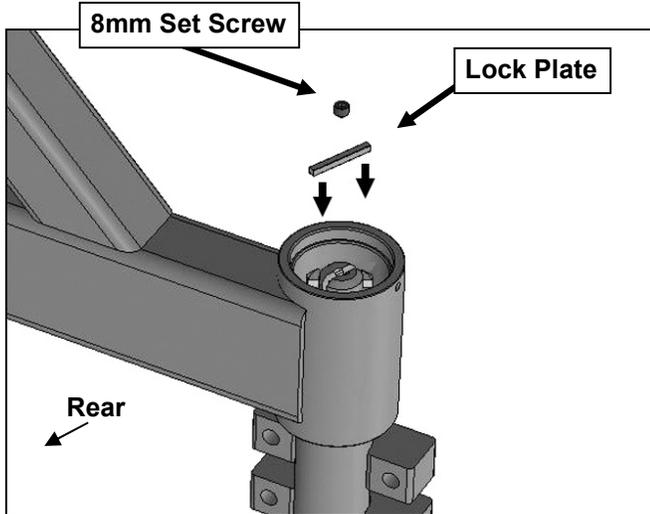
Large Bearing Race  
Large Lower Bearing  
Grease Seal



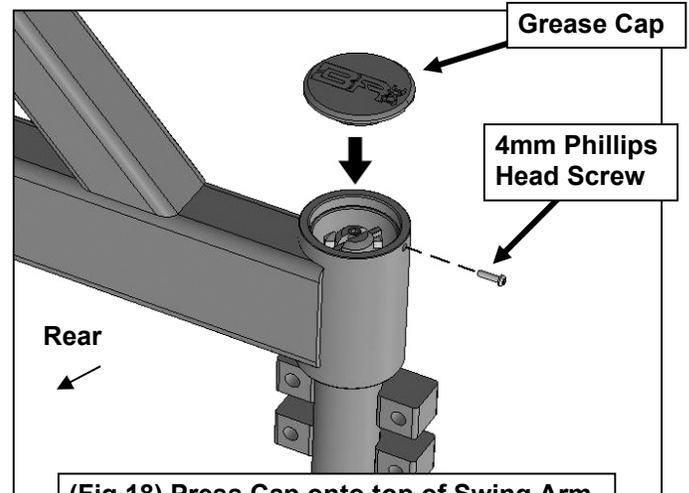
(Fig 16) Slide Swing Arm down over Spindle. Apply grease to Upper Bearing. Insert Upper Bearing into Spindle. Secure Arm to Spindle with (1) Thrust Washer and (1) Castle Nut. Tighten Castle Nut to remove play in Swing Arm



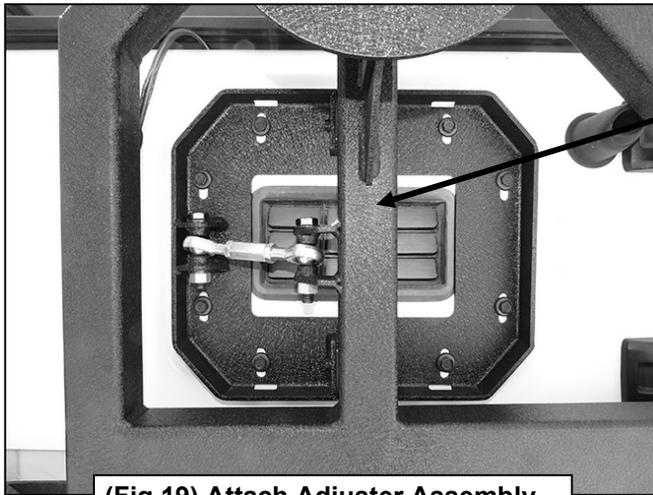
(Fig 15) Insert Bearing Races into Swing Arm. Apply Grease to Lower Bearing. Insert Lower Bearing into Race. Install Grease Seal



(Fig 17) Once Castle Nut is properly adjusted, slide Lock Plate down into slot in Spindle. Secure Lock Plate to Spindle with 8mm Set Screw

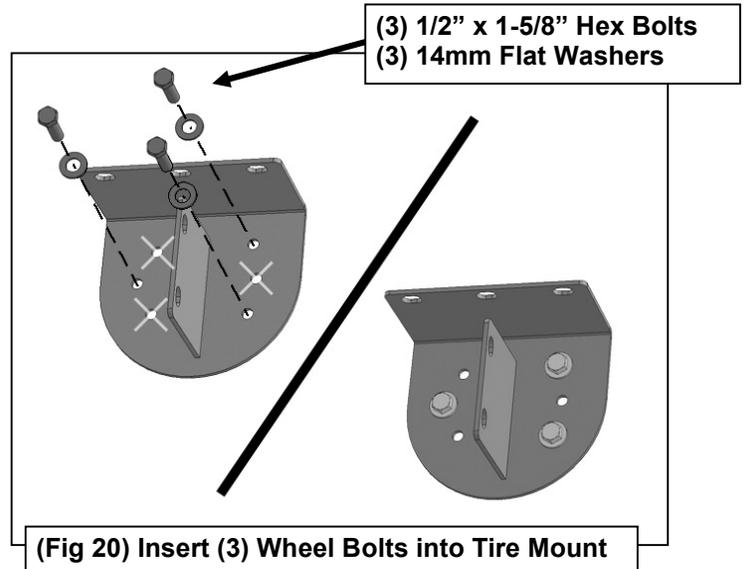


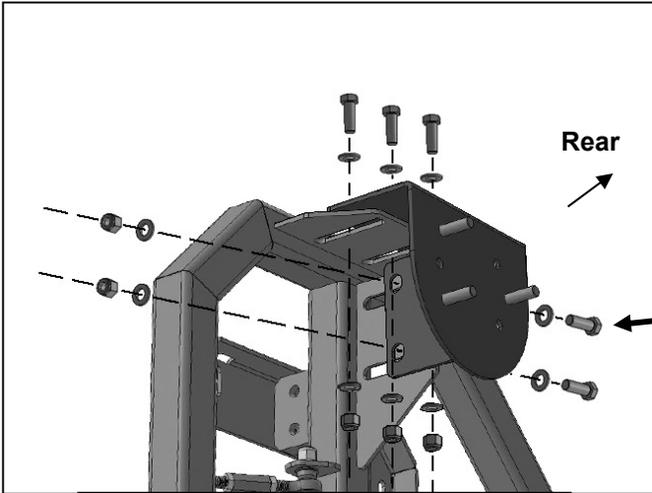
(Fig 18) Press Cap onto top of Swing Arm. Use 4mm Screw to lock Cap onto Spindle



(Fig 19) Attach Adjuster Assembly to Spacers in tabs on Swing Arm

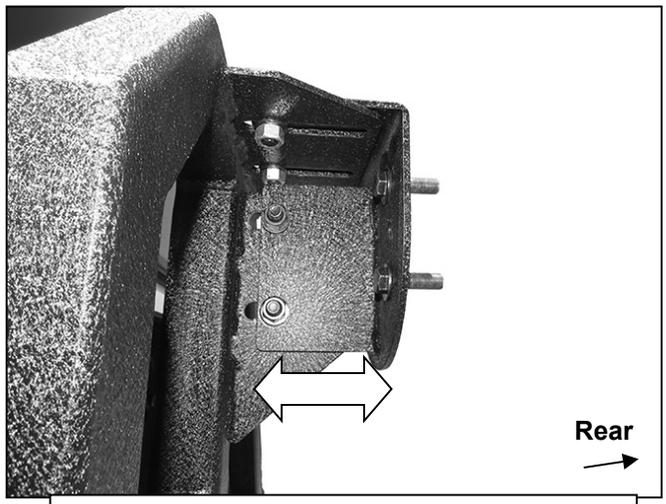
- (1) 12mm x 70mm Hex Bolt
- (2) 12mm Flat Washers
- (1) 12mm Nylon Lock Nut



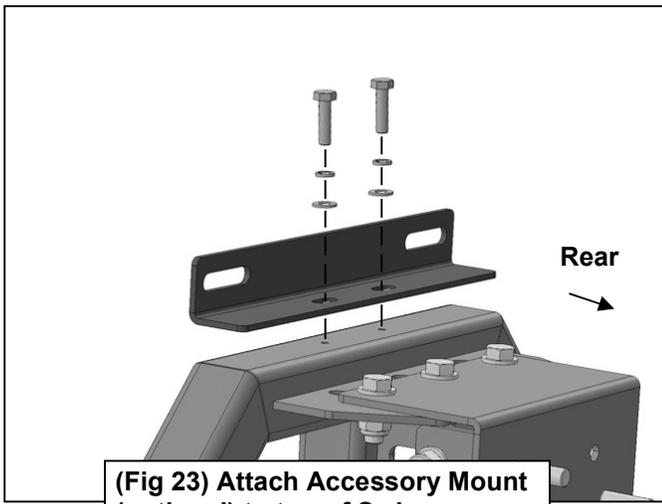


- (5) 12mm x 35mm Hex Bolts
- (10) 12mm Flat Washers
- (5) 12mm Nylon Lock Nuts

(Fig 21) Attach Tire Mount to top and left side of tabs on Swing Arm



(Fig 22) Adjust Tire Mount in or out as needed to fit tire tight against the Swing Arm



(Fig 23) Attach Accessory Mount (optional) to top of Swingarm