



# OWNER'S MANUAL



## #1500 (18K) OE Series Super 5th

Gross Trailer Weight (Maximum).....18,000 lbs  
Vertical Load Weight (Max.Pin Weight).....4,500 lbs



## #1600 (25K) OE Series Super 5th

Gross Trailer Weight (Maximum).....25,000 lbs  
Vertical Load Weight (Max.Pin Weight).....6,250 lbs

### Fits CHEVY/GMC Trucks With The OE Prep Package

The following instructions provide valuable information regarding the function and proper use of the OE Series Super 5th Wheel Towing System.

YOU MUST COMPLETELY READ THE INSTRUCTIONS WITHIN THIS MANUAL, PRIOR TO OPERATING THE HITCH TO PREVENT UNNECESSARY DAMAGE TO THE HITCH, VEHICLE, OR TRAILER.

For more information, please call PullRite at (800) 443-2307.

# TABLE OF CONTENTS

SYSTEM WEIGHT RATING vs. COMPONENT WEIGHT RATING.....	3
LUBRICATION.....	3,4
ANNUAL MAINTENANCE.....	4
FIFTH WHEEL PLATE OPERATION.....	5,6
HITCH INSTALLATION.....	7
BUILD THE POST ASSEMBLY.....	8
MOUNTING POST INSTALLATION.....	9,10
HITCHING.....	11
CHALLENGE VS SOLUTION.....	12
SAFETY CHECKS & UNHITCHING.....	13
ADJUSTABLE CROSSMEMBER.....	14
EXPLODED VIEW.....	15
PARTS LIST #1500.....	16
PARTS LIST #1600.....	17
LIMITED WARRANTY.....	i
PRODUCT REGISTRATION.....	ii

## SYSTEM WEIGHT RATING vs. COMPONENT WEIGHT RATING

A towing system includes each vehicle and component involved in towing. Each item in your towing system has a capacity or weight rating. Your trailer has a Gross Vehicle Weight Rating or GVWR. Your truck has a towing capacity, a payload capacity, and possibly more. In addition, your fifth wheel hitch has a weight rating. This weight rating must be at, or above, the GVWR of your trailer for you to tow safely. In addition, if your truck can tow larger loads (has a larger capacity) than the rating of your hitch, your system is only safe to tow loads at the lower rating, that of the hitch.

Your gooseneck ball will also have a weight rating, just like your fifth wheel hitch. Many times, these ratings are designed to match, but this is not always the case. Your gooseneck ball may be higher rated than your fifth wheel hitch, but it also could be lower depending on the components involved. The lowest rating of any one component in the system becomes the rating of the entire system. If your ball is rated to 18,000 lbs., and your hitch is rated at 24,000 lbs., the weight rating of the entire system will not be above 18,000 lbs. Other components in the system could lower the actual system rating further.

It is the end users responsibility to ensure a safe towing experience. To this end, It is your responsibility to ensure that the truck, trailer, hitching components, and all other items involved are rated or have a capacity sufficient for the loads involved.

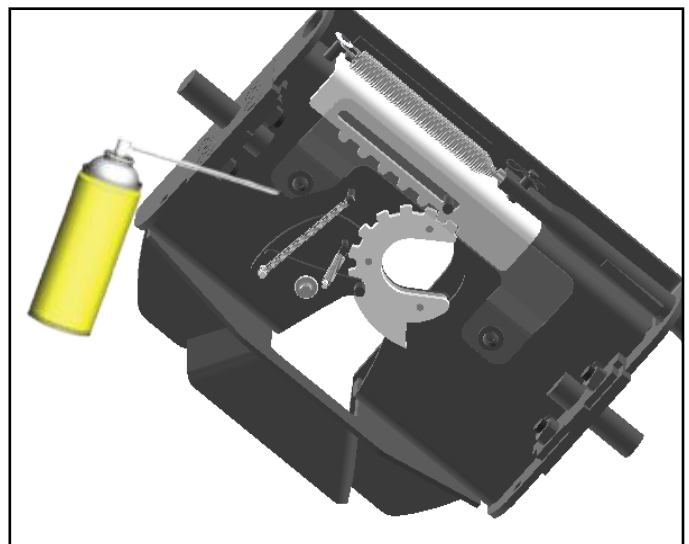
## LUBRICATION

*DO NOT OPERATE HITCH UNTIL YOU READ THIS SECTION!*

### FIFTH WHEEL PLATE & KING PIN

The plate and it's moving parts should be lubricated with a light lubricant such as WD-40 or 3-in-1 oil, before each trip or as needed. Be sure the plate is free of dirt and old oil buildup. Pull the Release Handle repeatedly so that the lubricant will spread among the moving parts that may not have otherwise been covered sufficiently.

Be sure the trailer's king pin is clean and free from rust. A light coating of WD-40 or other similar lubricants should be used on the king pin.



## LUBRICATION

### PIVOT BOLT & POSTS

Inspect and lubricate the Pivot Bolt monthly with axle grease when heavily used, or annually with light use. To remove the pivot bolt for lubrication:

1. Remove the Fifth Wheel Plate from the Rocker Arm.
2. Remove the Hex Nut, Lock Washer and Plastic Washers from the Rocker Arm Pivot Bolt.
3. Place downward force, compressing the Rocker Arm Spring, enabling the Pivot Bolt to be removed.
4. Lube the Pivot Bolt generously with a quality axle grease and reinstall. Tighten the Pivot Bolt to the point where there is resistance when you move the Rocker Arm side-to-side.
5. Use a light coating of lubricant on the Posts, spring pins and base washers (underside) to help you install and reinstall Mounting Posts easily.

## ANNUAL MAINTENANCE

Inspect all mounting bracket and hitch hardware, that it is securely fastened. The Fifth Wheel Plate should be removed and inspected, checking all moving parts for wear—clean as directed above. Inspect all mounting bolts for tightness and general condition.

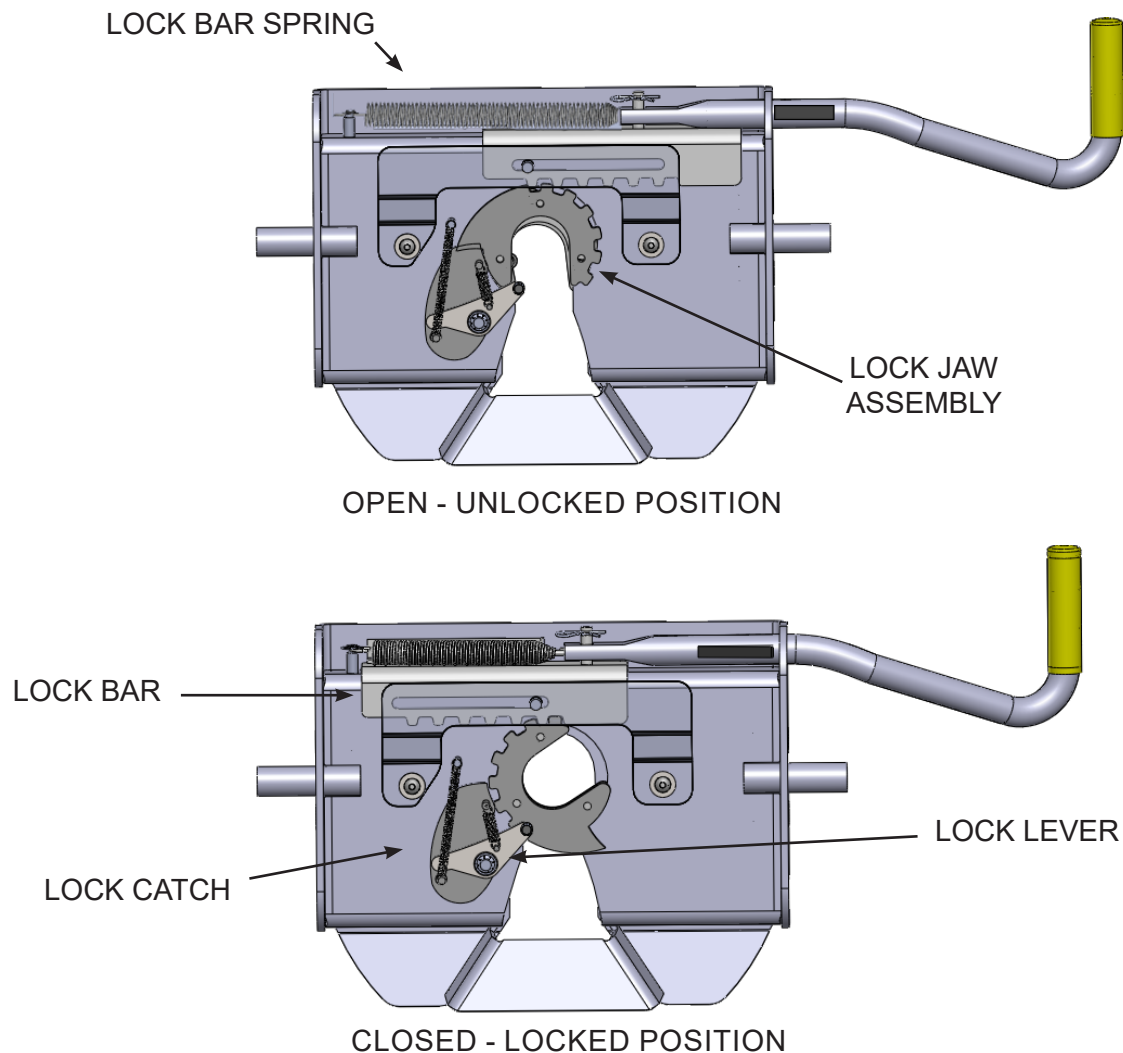
When storing your OE Series Super 5th hitch, you should be sure that the Fifth Wheel Plate parts are lubricated with WD-40 to retard the formation of rust. Cover the entire assembly to prevent accumulation of dirt, grime, or rust.

# FIFTH WHEEL PLATE OPERATION

A better understanding of the plate's locking and un-locking operation can be obtained by viewing the working parts from the underside of the plate. The Fifth Wheel Plate can be removed and turned over to view the workings of the mechanism. When operating the Fifth Wheel Plate manually, please be aware that the Lock Jaw Assembly has more movement capability when there is not a king pin present to center the assembly. Refer to the illustrations below for part identification (#3601 plate pictured below).

1. To open the locking mechanism, lift and pull the Release Handle out until the Lock Catch engages the Lock Jaw Assembly (see illustrations on the next page).
2. As the trailer king pin moves into the plate, it will contact the Lock Lever, forcing the Lock Catch to disengage the Lock Jaw Assembly, allowing the Lock Bar Spring to close the Lock Jaw Assembly behind the King Pin. The King Pin must be fully engaged in the plate slot or the Lock Jaw Assembly will not seat properly, and the Handle Catch would not then engage the inner side wall of the plate. To be certain that the Lock Jaw Assembly has closed fully, attempt to pull the Release Handle without first lifting it.

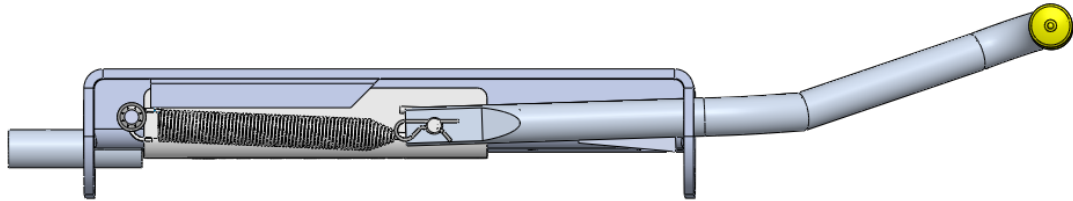
**NOTE:** Please note that when lifting the handle to clear the side wall of the plate with the handle catch, it will be necessary to pull with some force to begin the Lock Jaw rotation. Merely lifting the Release Handle will not cause the Handle to "pop" open and rotate the Lock Jaw to the open position.



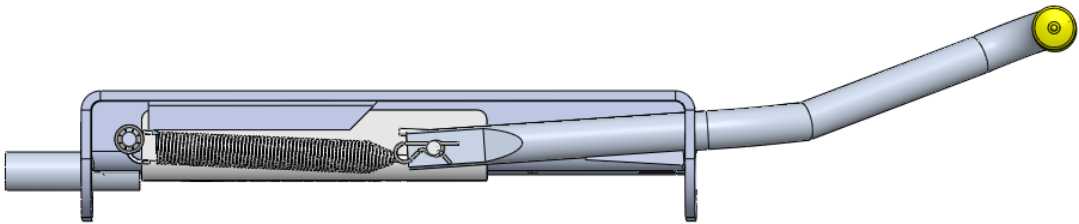
# FIFTH WHEEL PLATE OPERATION

**CAUTION: DO NOT ATTEMPT TO TRIP THE LOCK MECHANISM WITH YOUR HAND. USE A PROBE DEVICE TO SIMULATE THE KING PIN ACTION.**

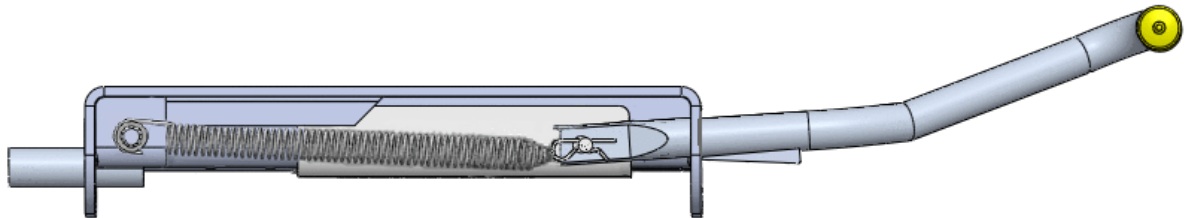
CLOSED



LIFT UPWARD  
AND PULL  
OUT WITH  
FORCE UNTIL  
LOCK CATCH  
ENGAGES

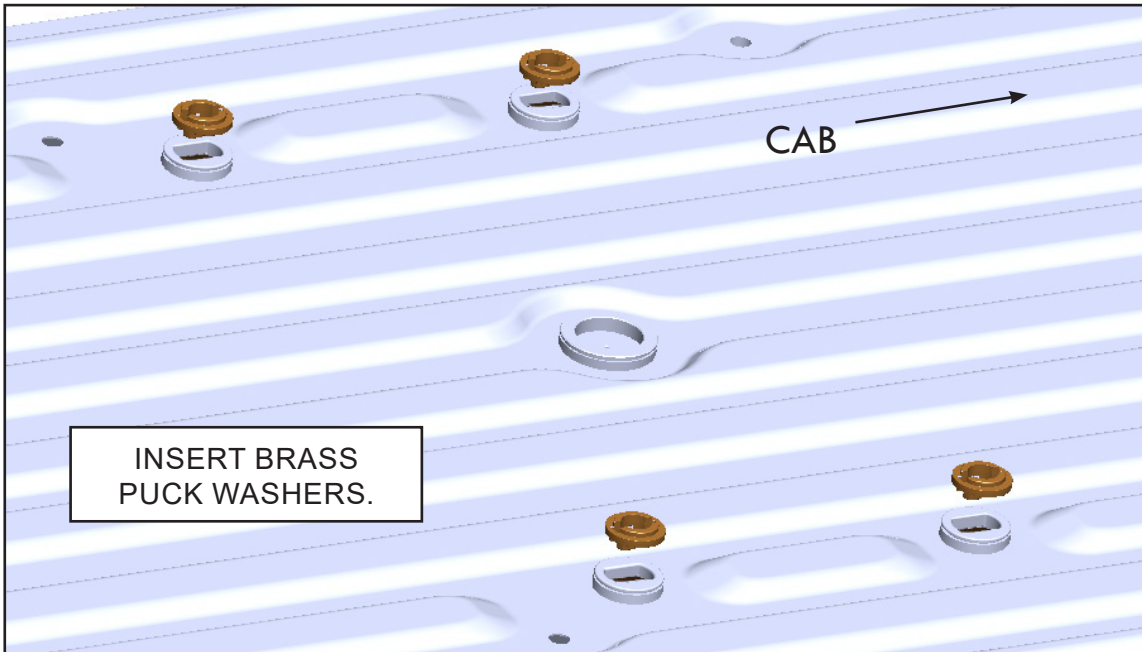


OPEN



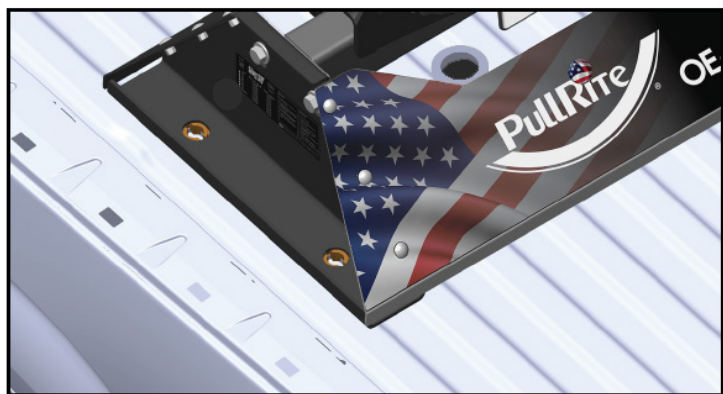
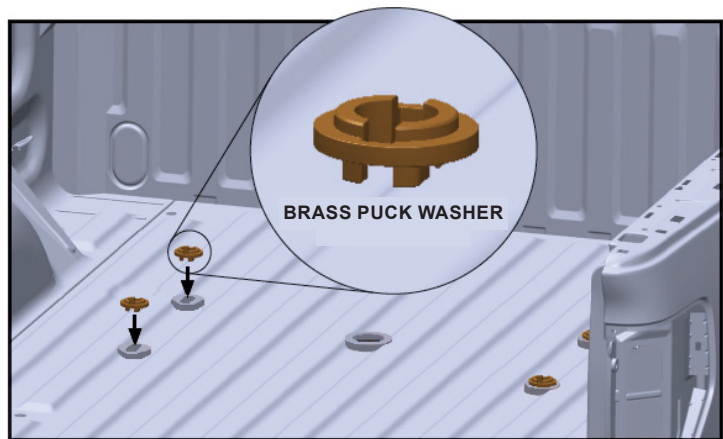
# HITCH INSTALLATION

The OE Series Super 5th hitch can only be installed on vehicles equipped with the GM Tow Prep Package.



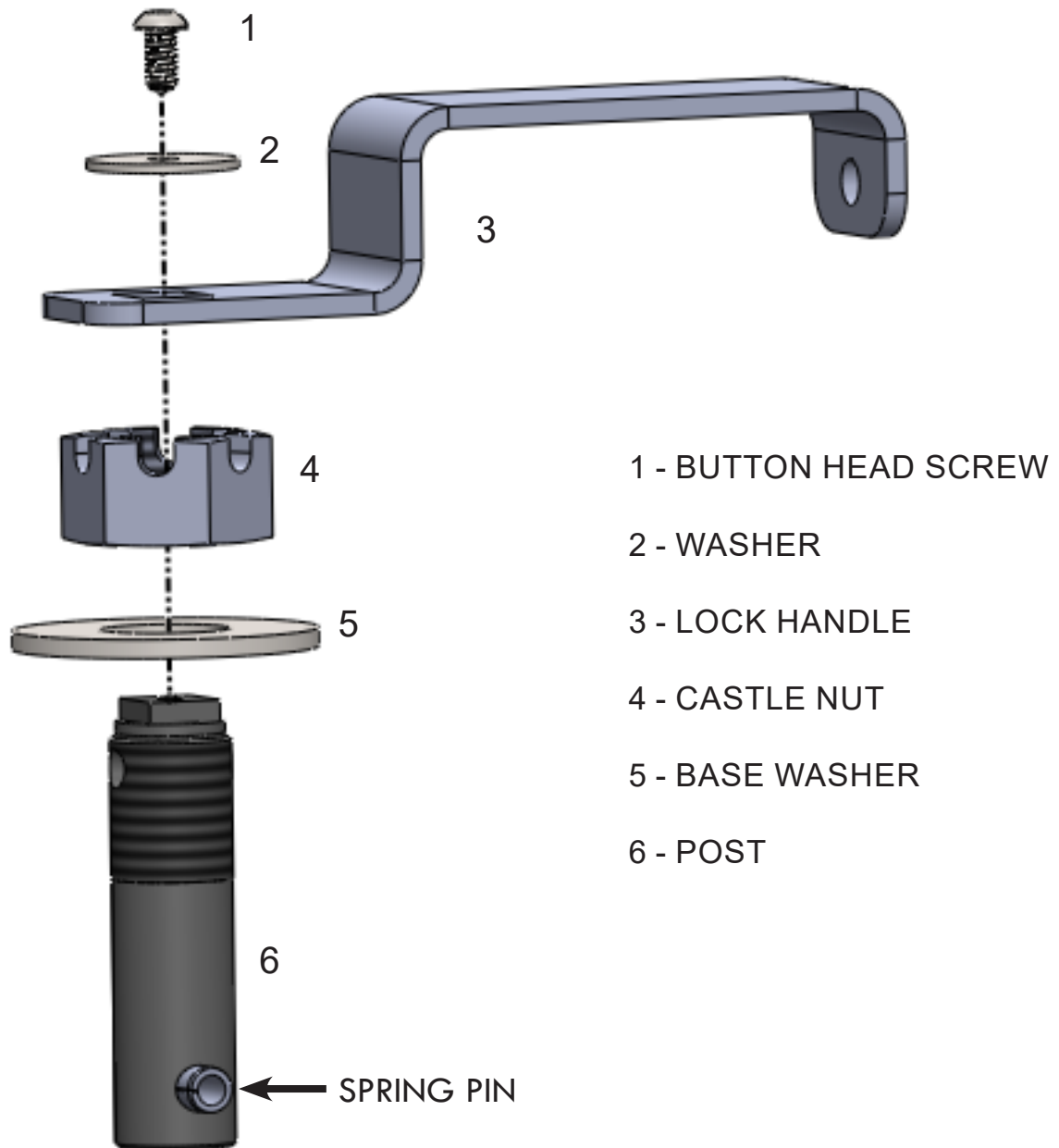
1. Place the (4) Brass Puck Washers into the fifth wheel pucks, make sure to orient the four Washer bosses facing downward.

2. Place the OE hitch onto the pucks. Make sure that the hitch is fully seated on the Brass Puck Washer. If the hitch will not seat on all four Brass Puck Washers, loosen cover and crossmember bolts for the hitch to be seated properly. Re-torque the bolts on the crossmember to 75 foot pounds for the #1500, or 112 foot pounds for the #1600. Re-tighten cover to 12 foot pounds.



## BUILD THE POST ASSEMBLY

Build the (4) post assemblies used for clamping the hitch to the bed of the truck. Note that the spring pin is factory set.

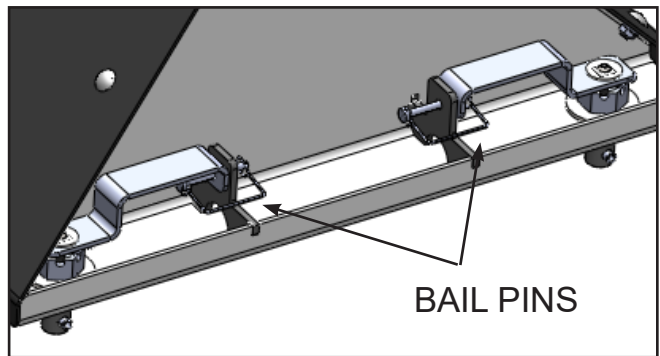
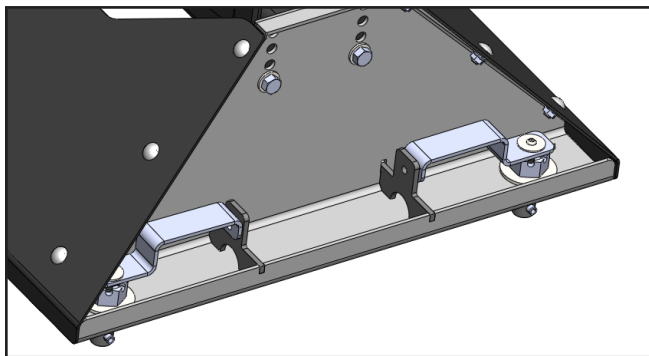
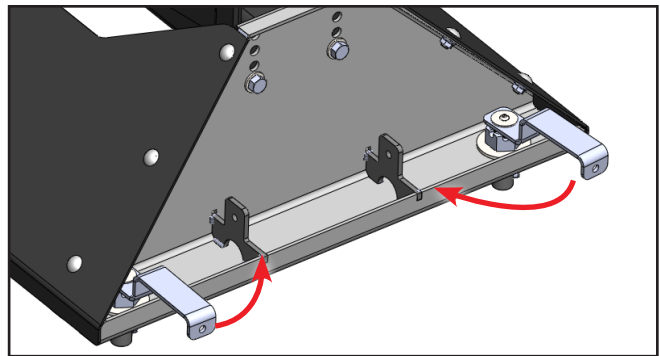
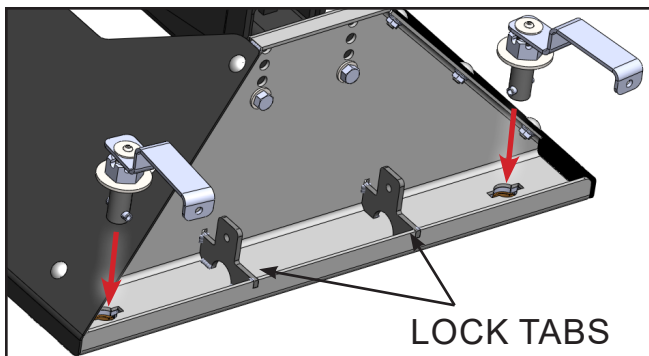


1. Place the Base Washer down on the Post.
2. Thread Castle Nut onto the Post.
3. Align the Lock Handle 90 degrees to the direction of the Spring Pin and place on top of the Post, the handle cut-out fits down over the square top on Post.
4. Add the Washer and Button Head Screw and tighten with a 3/16 hex key.

# MOUNTING POST INSTALLATION

Place the hitch post holes directly over the puck, you should be able to adjust hitch base so that each Mounting Post falls into place as you go.

1. Insert each Post Assembly handle into the hitch and orient as seen below (passenger side shown below).
2. Rotate handles 90°. Posts may need to be adjusted (see next page).
3. Slide bail pins in through each lock tab and handle.
4. Repeat steps for the driver side.



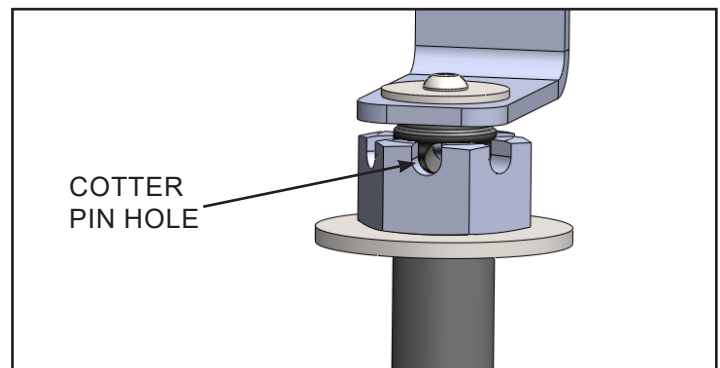
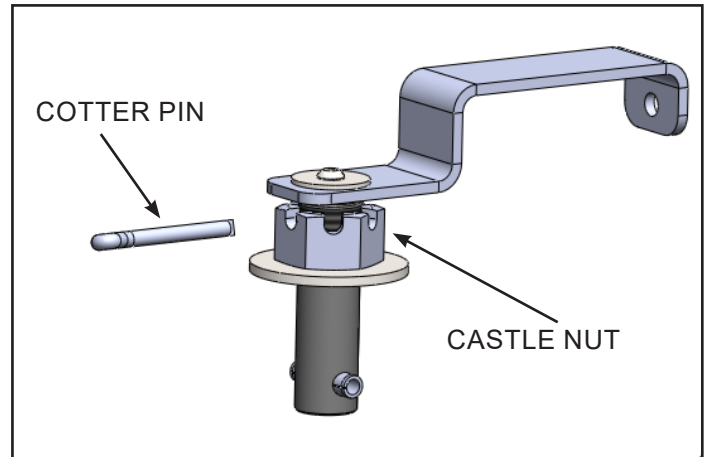
# MOUNTING POST INSTALLATION

If the OE Series Super 5th is loose on the mounting washer or the mounting post will not rotate while seated in the Puck, the Mounting Post is in need of adjustment. To adjust the Mounting Post, perform the following:

1. Remove the Cotter Pin from the Mounting Post Assembly.
2. Tighten or loosen the Castle Nut. To tighten the Castle Nut, rotate the nut clockwise (rotate right). To loosen the Castle Nut, rotate the nut counterclockwise (rotate left).
3. Tighten or loosen until the next Castle Nut slot aligns with the Cotter Pin hole on the Mounting Post.
4. Reinstall the Cotter Pin and make sure the Cotter Pin is bent open after the pin has been inserted into the Cotter Pin Hole. This will prevent the Cotter Pin from working its way out.

**NOTE** The Castle Nuts may require additional adjustment (tighter) after hitching for the first time and the hitch settles down on the Mounting Assembly.

5. Re-latch the Mounting Handles as shown on the first page of Mounting Post Installation (Page 9).

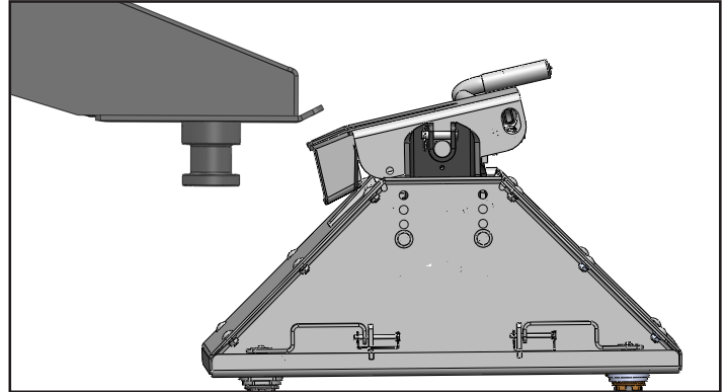


# HITCHING

**WARNING:** Never perform any of the following actions while any part of a person is between the vehicle and trailer.

1. Align your truck with the center of the trailer. The truck should be close to parallel to the centerline of the trailer.
2. Block the trailer wheels so the trailer will not roll back.
3. Lower your tailgate and back up until there is about 6" of clearance between the OE Series Super 5th and the end of the fifth wheel plate. Raise or lower the front of the trailer so the bottom of the plate is aligned slightly above the beginning of the ramp area of the Fifth Wheel Plate. This procedure will cause the front edge of the trailer plate to "ride up" the ramp and flatten or tilt the hitch plate into a parallel position.

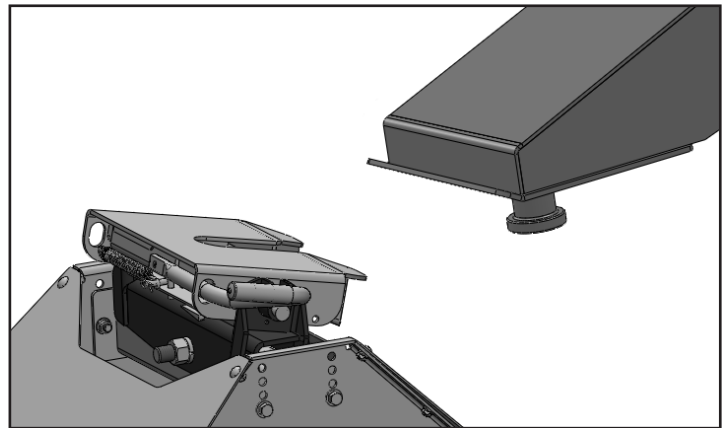
**CAUTION:** If this procedure is not followed, the king pin may bind in the plate mechanism and not lock-in properly. Following the procedure, as outlined in Step 3 will ensure that you will not "high hook" the king pin in the plate. "High hooking" occurs when backing your hitch into a trailer that is set too high, resulting in the lower flange of the king pin to wedge itself against the metal edge of the lower horseshoe piece or against the Lock Jaw Assembly. Damage to the Lock Jaw Assembly may result and not allow smooth operation of the closing mechanism.



4. The Fifth Wheel Latch must be in the open position (see illustration on pages 5 & 6). Lift and pull out on the Release Handle to open the Lock Jaw Assembly.

**CAUTION:** Damage will result should you attempt to hook up with the Lock Jaw Assembly in the closed position.

5. Back up the truck in one fluid motion, so the king pin enters the center of the Fifth Wheel Plate opening.



6. Make sure the Lock Jaw Assembly is completely seated around the king pin.
7. Be sure that the Release Handle has fully returned to the closed position and proceed to Safety Checks (page 13).

## CHALLENGE VS. SOLUTION

CHALLENGE	SOLUTION
Cannot open the Release Handle.	You may have too much rearward pressure against the lock mechanism. Back your truck slightly to relieve pressure and continue the unhitching procedures.
Plate seems dry – Can I use a lubrication disk?	Yes you can.
Trailer overhang is hitting the truck bed rails when the trailer and truck are at sharp angles.	Raise or lower the hitch coupler height and/or lower the king pin box. There should be at least 6" between the top of the bed rails and bottom of the trailer.
The latch handle mechanism seems too stiff to operate.	Spray the locking mechanism with WD-40. Work the handle until it slides freely. If the problem persists, you may need to degrease and re-lube all working parts.
I need to have a professional evaluate OE Series Super 5th.	Contact PullRite's Customer Service Dept. at (800) 443-2307. Your needs will be assessed and resolved by PullRite or you will be directed to an authorized PullRite Service Center.
Hitch seems loose on the Mounting Posts.	You may need to adjust them. Refer to the "Mounting Post Adjustment" section.
The Mounting Posts will not rotate into the "locked position."	You may need to adjust them. Refer to the "Mounting Post Adjustment" section.

## SAFETY CHECKS

1. Shine a light on the Fifth Wheel Plate Lock Jaw Assembly making sure it has closed around the king pin.
2. Pull the Release Handle towards you without lifting it up. If the Lock Jaw Assembly is completely closed the Handle Catch will prevent you from being able to pull the Release Handle open.
3. Raise the trailer jack base plates just above the ground, lock your trailer brakes, then pull the tow vehicle slowly forward putting a strain on the trailer.
4. When you are assured that the trailer is safely hooked up, raise your trailer jacks into their full retracted position.

FAILURE TO PERFORM THESE SAFETY CHECKS MAY RESULT IN DAMAGES TO TRUCK AND TRAILER.

## UNHITCHING

**WARNING:** Never perform any of the following actions while any part of a person is between the vehicle and the trailer.

1. Once you have the trailer located and are ready to unhitch, block the trailer wheels so it will not roll back or forward. Back into the blocked trailer slightly and set the parking brake while you are still in gear. This action will relieve pressure on the lock mechanism before attempting to release the latch mechanism.
2. Lower the trailer jacks to the point of just touching the ground but do not raise the trailer at this point.
3. Open the Lock Jaw Assembly by first lifting, then pulling the Release Handle towards you (see pages 5 & 6).
4. Lower the trailer jacks until the bottom of the king pin box is almost free of the top of the Fifth Wheel Plate. Make certain that the bottom of the king pin is not so high that binding on the hitch Lock Catch would result.
5. After lowering the truck's tailgate, disconnect the trailer electrical cord and break-away switch cable, then pull forward.
6. As the king pin slides from the Fifth Wheel Plate, notice that the locking mechanism remains open once the king pin is removed.

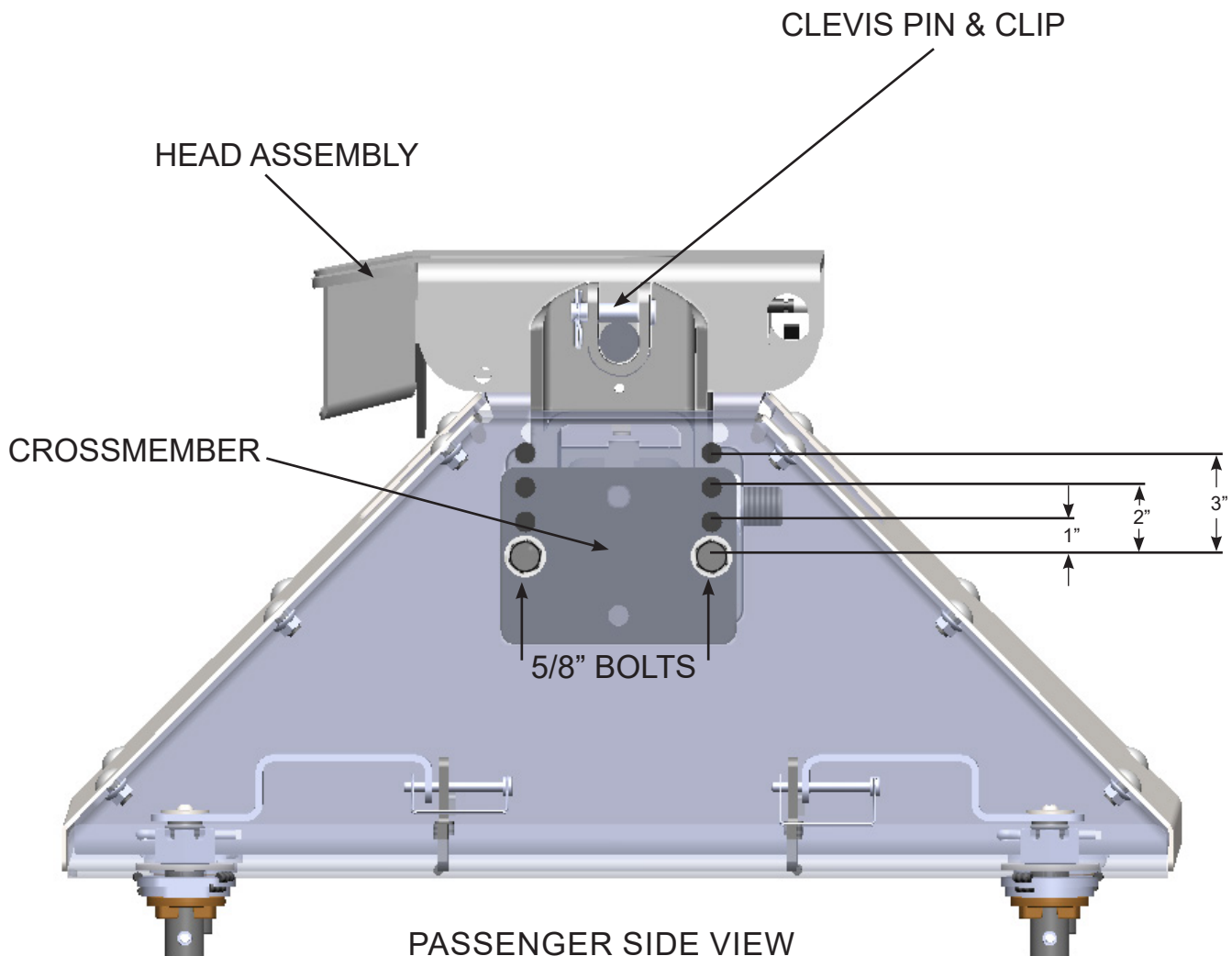
**CAUTION:** If it should be necessary to reposition your trailer, you must follow the hitching procedures to ensure the hitch is latched before moving the trailer.

**CAUTION:** You may wish to keep the plate closed until you are ready to re-hitch to avoid injury or accidents to children or adults who attempt to operate the plate mechanism. **DO NOT ATTEMPT TO TRIP THE LOCK MECHANISM WITH YOUR HAND, USE A PROBE TO SIMULATE THE KING PIN.**

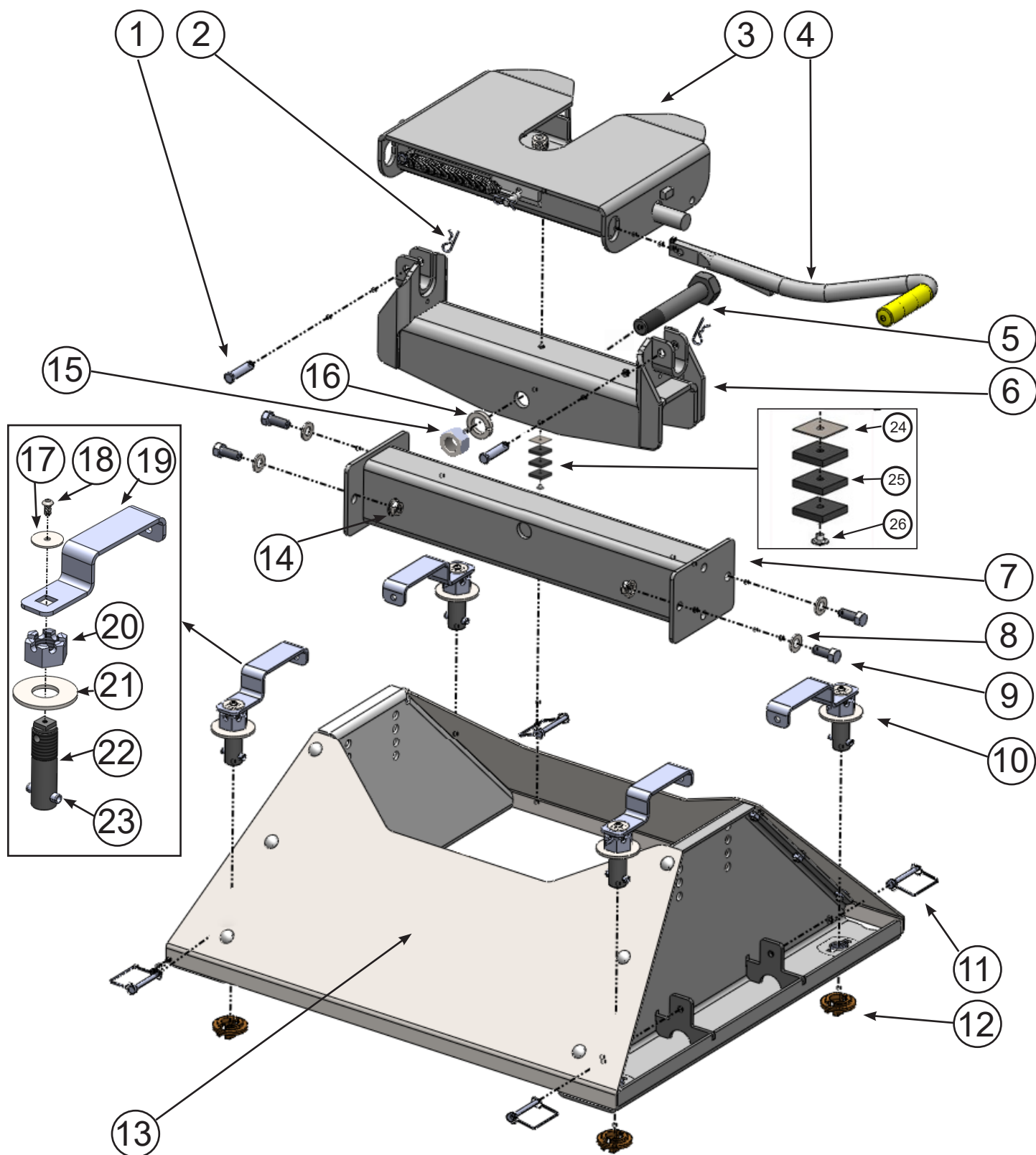
# ADJUSTABLE CROSSMEMBER

The #1500 and #1600 OE Series Super 5th hitches are height adjustable models. To adjust the crossmember to one of four available positions, refer to the illustration below:

1. Remove Head Assembly. To remove Head Assembly remove Clevis Pins and Clips.
2. Remove the 5/8" bolts that attach the Crossmember to the Side Body Bracket using a 15/16" socket and wrench.
3. Position Crossmember to the correct height and reinstall bolts, washers, and nuts. The #1600 model has Conical tooth washers and should be positioned with teeth facing the hitch base.
4. Torque to 75 foot pounds on the #1500. Torque to 112 foot pounds on the #1600.
5. Reinstall Head Assembly, Clevis Pins, and Clips.



# EXPLODED VIEW



## #1500 PARTS LIST

ITEM	DESCRIPTION	PART NO.	QTY
1	ROCKER ARM CLEVIS PIN	98410111	2
2	#3 PIN CLIP	98410127	2
3	FIFTH WHEEL PLATE ASSEMBLY	3601	1
4	RELEASE HANDLE	35010401	1
5	ROCKER ARM SPRING BOLT	98010110	1
6	ROCKER ARM	21020101	1
7	CROSSMEMBER	21030001	1
8	BASE FLAT WASHER	98250147	4
9	BASE BOLT	98010177	4
10	MOUNTING POST ASSEMBLY	150701	4
11	BAIL PIN	98410529	4
12	BRASS PUCK WASHER	15070001	4
13	HITCH BASE	1504	1
14	SERRATED FLANGE NUT	98150201	4
15	ROCKER ARM NUT	98150120	1
16	ROCKER ARM LOCK WASHER	98200115	1
17	OVERSIZED FLAT WASHER	98250150	4
18	BUTTON SOCKET HEAD CAP SCREW	98410241	4
19	HANDLE	15040601	4
20	CASTLE NUT	98150121	4
21	FLAT WASHER	98250100	4
22	OE FOOT POST	44480701	4
23	SLOTTED SPRING PIN	98410524	4
24	SPRING SPACER	48210003	1
25	NEOPRENE RUBBER SPRING	48210001	3
26	5/16 SCREW-MOUNT NUT	98150216	1

## #1600 PARTS LIST

ITEM	DESCRIPTION	PART NO.	QTY
1	ROCKER ARM CLEVIS PIN	98410111	2
2	#3 PIN CLIP	98410127	2
3	FIFTH WHEEL PLATE ASSEMBLY	3601	1
4	RELEASE HANDLE	35010401	1
5	ROCKER ARM SPRING BOLT	98010110	1
6	ROCKER ARM	21020101	1
7	CROSSMEMBER	22030001	1
8	BASE CONICAL TOOTH WASHER	98200171	4
9	BASE BOLT	98010231	4
10	MOUNTING POST ASSEMBLY	150701	4
11	BAIL PIN	98410529	4
12	BRASS PUCK WASHER	15070001	4
13	HITCH BASE	1604	1
14	SERRATED FLANGE NUT	98150200	4
15	ROCKER ARM NUT	98150120	1
16	ROCKER ARM LOCK WASHER	98200115	1
17	OVERSIZED FLAT WASHER	98250150	4
18	BUTTON SOCKET HEAD CAP SCREW	98410241	4
19	HANDLE	15040601	4
20	CASTLE NUT	98150121	4
21	FLAT WASHER	98250100	4
22	OE FOOT POST	44480701	4
23	SLOTTED SPRING PIN	98410524	4
24	SPRING SPACER	48210003	1
25	NEOPRENE RUBBER SPRING	48210001	3
26	5/16 SCREW-MOUNT NUT	98150216	1

# LIMITED WARRANTY

PULLIAM ENTERPRISES, INC. hereinafter referred to as "PULLIAM", warrants to the first retail owner only, this PullRite towing system to be free from defects in materials and workmanship for a period of five (5) years or 31,068 miles (50,000 km) after the installation on purchaser's vehicle, whichever occurs first.

To validate this warranty, the first retail owner must mail the provided warranty card to PULLIAM, or register online at [www.pullrite.com](http://www.pullrite.com), within ten (10) days after installation of said towing system on his vehicle.

The owner is responsible for all normal and preventative maintenance described in the Owner's Manual.

If any defect occurs which the owner believes is covered by this warranty within said five (5) year period, the owner shall contact PULLIAM immediately, either in writing or by telephone call, Attention Customer Service Department. The owner will be instructed to return the hitch at his expense either to an authorized PullRite dealer or to PULLIAM to repair or replace any parts necessary to correct defects in material or workmanship.

Repair or replacement shall be at the sole option of PULLIAM and shall be completed by or on behalf of PULLIAM free of charge for materials and labor.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

## THIS WARRANTY SPECIFICALLY *EXCLUDES* EACH OF THE FOLLOWING:

1. Defects in the product resulting from misuse, neglect, accident, loading beyond the vehicle's capacity, failure to comply with instructions contained in the Owner's Manual or unauthorized repairs, replacements, alterations or modifications. "Unauthorized repair, replacements, alterations" are those made without PULLIAM'S prior knowledge and consent.
2. Any incidental or consequential damage including, but not limited to, loss of use of the vehicle, towing charges, vehicle rental, loss of time, inconvenience, travel, gasoline, lodging and telephone expenses, loss of revenue and damages on account of personal injury and property damage. (Some states do not allow the exclusion or limitation of incidental or consequential damages, so these limitations may not apply to you).
3. Repairs or replacements of defects in any PullRite towing system, or part thereof, installed on any vehicle which has been rented, leased or used for any commercial purpose.
4. Any representation, warranty of undertaking made by any dealer or third party beyond the scope of the warranty herein expressed.
5. Any problem resulting in normal deterioration due to wear or exposure.

TO THE EXTENT PERMITTED BY LAW, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE LIMITED IN DURATION TO FIVE YEARS FROM THE DATE OF INSTALLATION ON THE FIRST OWNER'S VEHICLE. (SOME STATES, HOWEVER, DO NOT ALLOW LIMITATIONS AS TO DURATION OF IMPLIED WARRANTY, SO THOSE LIMITATIONS MAY NOT APPLY TO YOU).



# Product Warranty Registration

As an owner of a PullRite product, you must register your product to be considered for warranty coverage. See Owners Manual for further details.

***Please note, that you can also register online at [www.pullrite.com/warranty.htm](http://www.pullrite.com/warranty.htm).***

Name: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Email Address: \_\_\_\_\_

Phone (optional): \_\_\_\_\_

Purchase Price: \_\_\_\_\_ Date of Purchase: \_\_\_\_\_

Dealer's Name: \_\_\_\_\_

Dealer's Address: \_\_\_\_\_

Dealer's City: \_\_\_\_\_ Dealer's State: \_\_\_\_\_ Dealer's Zip: \_\_\_\_\_

Dealer's Phone: \_\_\_\_\_

Model Purchased: \_\_\_\_\_

Vehicle Make: \_\_\_\_\_ Vehicle Model: \_\_\_\_\_ Vehicle Year: \_\_\_\_\_

Vehicle Year: \_\_\_\_\_ Vehicle Cab Style: \_\_\_\_\_ Vehicle Bed Length: \_\_\_\_\_

Did you receive an Owners Manual from the Dealer? Yes / No

What influenced you to buy your hitch? \_\_\_\_\_

Comments:



*MANUFACTURED BY:*

PULLIAM ENTERPRISES, INC.  
13790 East Jefferson Blvd.  
Mishawaka, IN 46545  
(574) 259-1520 • (800) 443-2307  
info@pullrite.com • www.pullrite.com