

YEARS: 2013

MAKE: RAM

MODEL: 3500

STYLE: TRUCK

**WARNING: NEVER EXCEED YOUR VEHICLE MANUFACTURER'S RECOMMENDED TOWING CAPACITY**

**WEIGHT CARRYING:**  
 TRAILER WEIGHT: 5,000 LBS.  
 TONGUE WEIGHT: 500 LBS.

**GROSS LOAD CAPACITY WHEN USED AS A STRAIGHT LINE PULL:**  
 9,000 LBS MAX.

**PRO INSTALL TIME: 30 MIN.**  
**NOVICE INSTALL TIME: 60 MIN.**

*IF YOU ARE HESITANT TO UNDERTAKE THIS TASK ON YOUR OWN, CONTACT AN AUTHORIZED CURT INSTALLER FOR ADDITIONAL ASSISTANCE.*

**INSTALLATION REQUIRES:**

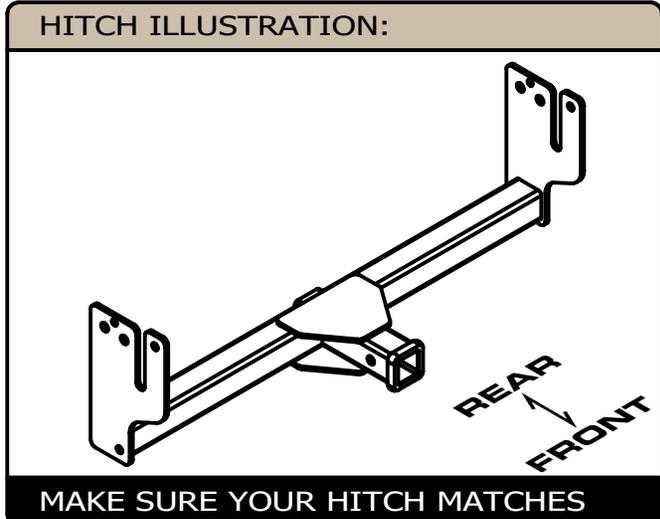
 <b>RATCHET</b>	 <b>18mm 15/16"</b> <b>SOCKET</b>	 <b>ROTARY TOOL</b>
 <b>CUT-OFF WHEEL</b>	 <b>SAFETY GLASSES</b>	 <b>MARKER</b>
 <b>TAPE MEASURE</b>	 <b>TORQUE WRENCH</b>	 <b>BOXED END WRENCH 15/16"</b>

**INSTALLATION TIPS:**

- BEFORE YOU BEGIN INSTALLATION, READ ALL INSTRUCTIONS THOROUGHLY.
- TO EASE INSTALLATION, 2 PEOPLE MAY BE REQUIRED.
- USING PROPER TOOLS WILL GREATLY IMPROVE THE QUALITY OF THE INSTALL AND REDUCE THE TIME REQUIRED.
- NEED HELP OR HAVE SOME QUESTIONS? CALL TECHNICAL SUPPORT AT 877.287.8634

**LEVEL OF DIFFICULTY: MODERATE**

<b>EASY</b>	<b>MODERATE</b>	<b>CHALLENGING</b>
	NO DRILLING REQUIRED	
	AIR DAM TRIMMING REQUIRED	



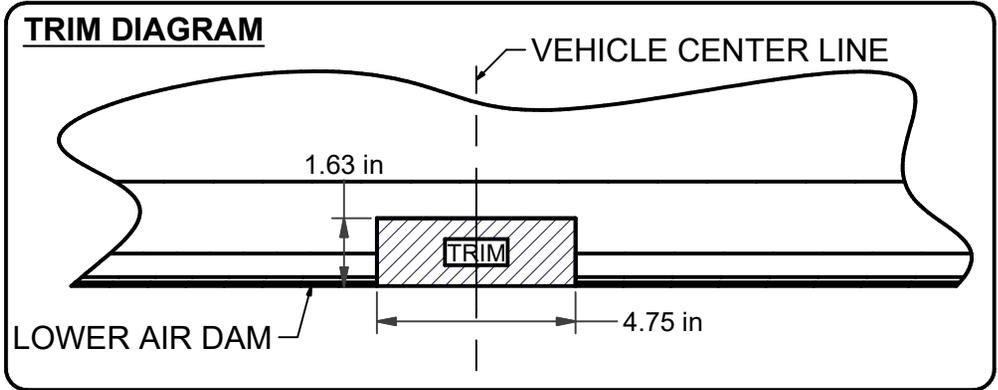
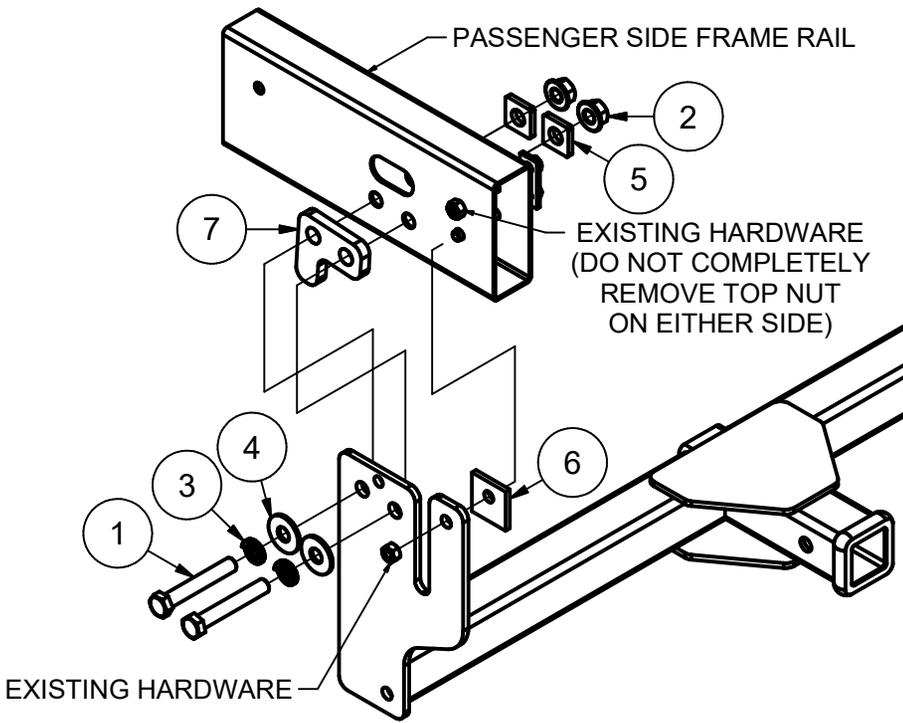
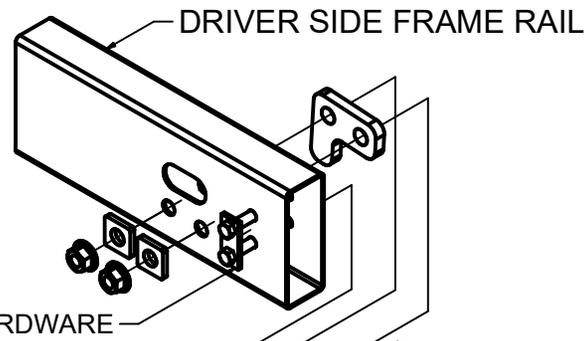
**PERIODICALLY CHECK THIS RECEIVER HITCH TO ENSURE ALL FASTENERS ARE TIGHT AND ALL STRUCTURAL COMPONENTS ARE SOUND**

CURT Manufacturing LLC. warrants this product to be free of defects in material and/or workmanship at the time of retail purchase by the original purchaser. If the product is found to be defective, Curt Manufacturing LLC. may repair or replace the product at their option, when the product is returned, prepaid, with proof of purchase. Alteration to, misuse of, or improper installation of this product voids the warranty. Curt Manufacturing LLC.'s liability is limited to repair or replacement of products found to be defective, and specifically excludes liability for incidental or consequential loss or damage.

For more information log onto [www.curtmfg.com](http://www.curtmfg.com), & for helpful towing tips log onto [www.hitchinfo.com](http://www.hitchinfo.com)

# INSTALLATION WALKTHROUGH:

Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	4	10-10285	HHCS,5/8-11 UNC,4,GRD8,YZ
2	4	20-00105	NUT,SER-FLANGE,5/8-11 UNC,GRD8,YZ
3	4	30-00132	WASHER,LOCK,5/8,YZ
4	4	30-00204	WASHER,FLAT,5/8,YZ
5	4	CM-SP15	.250 x 1.50 x 1.50" SPACER
6	2	CM-SP42	.250 x 2.00 x 2.00" ROUND HOLE SPACER
7	2	31067-SP	SPACER PLATE .500" A-36 H.R. (1020)

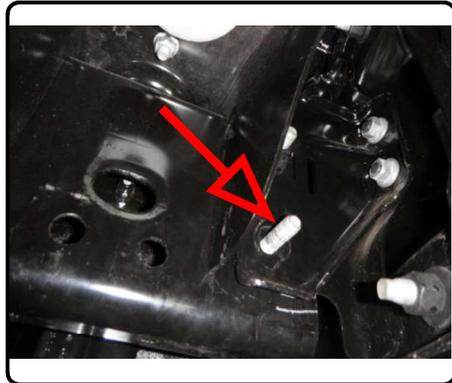


## INSTALLATION WALKTHROUGH:

1. Trim lower air dam as needed for hitch, see trim diagram on page 2 for approximate trim location.



2. Remove two lower existing nuts from behind the bumper (one on each side), as shown on page 2. These lower two bolts are used to mount the hitch.



3. Loosen the top nut on each side until only a couple threads are engaged. The top nut will prevent the bolts from being pushed completely through. Push both sets of bolts towards the center of the vehicle.



### NOTE:

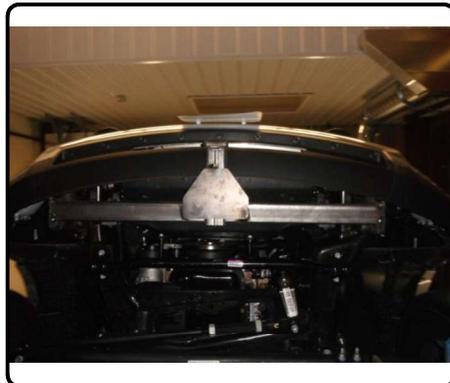
Loosening these bolts will cause the bumper to shift down slightly. Pushing up on the bumper may take pressure off the bolts making them easier to move. If needed, use a soft mallet to tap the bolts in. The passenger side bolts may not go in as far in as the driver side bolts. **Complete removal of all four bolts will cause the bumper to fall.**

## INSTALLATION WALKTHROUGH:

4. Place one CM-SP42 spacer (5) onto the exposed bolt on each side.



5. Raise the hitch into position by first raising the passenger side of the hitch and inserting the bolts back into position through the forward most hole in the hitch side plate. Rotate the driver side of the hitch up into position and push the bolts back towards the outside of the vehicle.



6. Insert spacer plate (6) between the frame and hitch side plate. Insert two 5/8" x 4" hex bolts (1) with a lock washer (2) and washer (3) on each. Insert in through the side plate / spacer and out the frame, as shown on page 2. Attach using two 5/8" hex flange nuts (4), two spacers (6) and repeat on the other side.



7. Reposition and level bumper by pushing up on it while tightening the hardware. Torque 5/8" hardware to 180 ft-lbs and M12 hardware to 86 ft-lbs.



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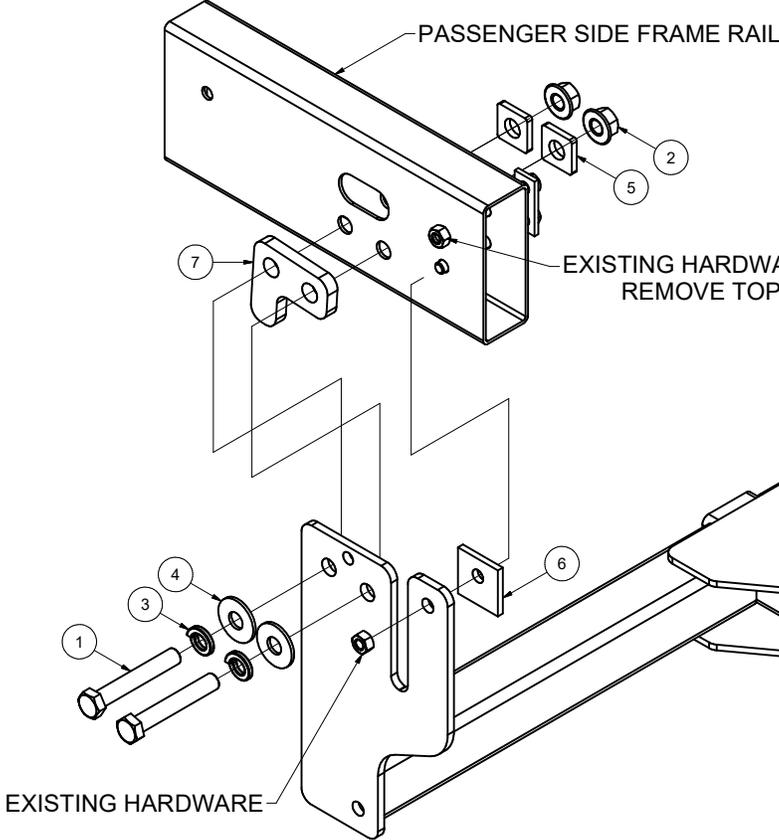
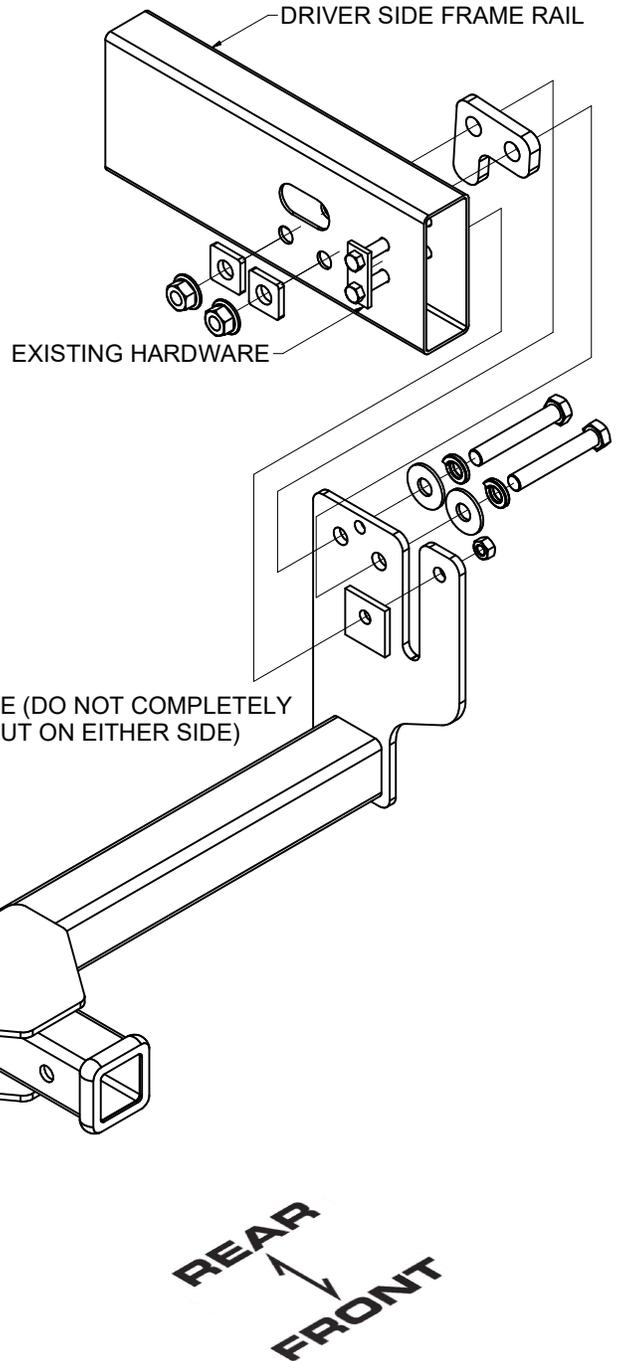
RAM 3500

08/11/2020

GROSS LOAD CAPACITY WHEN USED AS A WEIGHT CARRYING HITCH: 5,000 LBS. TRAILER WEIGHT & 500 LBS. TONGUE WEIGHT.  
 GROSS LOAD CAPACITY WHEN USED AS A STRAIGHT LINE PULL: 9,000 LBS. MAX. LINE PULL.  
**\*\*\* DO NOT EXCEED VEHICLE MANUFACTURER'S RECOMMENDED TOWING CAPACITY. \*\*\***  
 HAVING INSTALLATION QUESTIONS? CALL TECHNICAL SUPPORT AT 1-877-287-8634

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7	2	31067-SP	SPACER PLATE .500" A-36 H.R. (1020)

TOOLS REQUIRED
RATCHET
18mm & 15/16" SOCKETS
15/16" END WRENCH
ROTARY TOOL
CUT WHEEL
SAFETY GLASSES
MARKER
TAPE MEASURE
TORQUE WRENCH



**HITCH WEIGHT:** 41 LBS.  
**INSTALL TIME**  
 PROFESSIONAL: 30 MINUTES  
 NOVICE (DIY): 60 MINUTES  
**INSTALL NOTES:**  
 - NO DRILLING REQUIRED  
 - AIR DAM TRIMMING REQUIRED

**PERIODICALLY CHECK THIS RECEIVER HITCH TO ENSURE THAT ALL FASTENERS ARE TIGHT AND THAT ALL STRUCTURAL COMPONENTS ARE SOUND.**

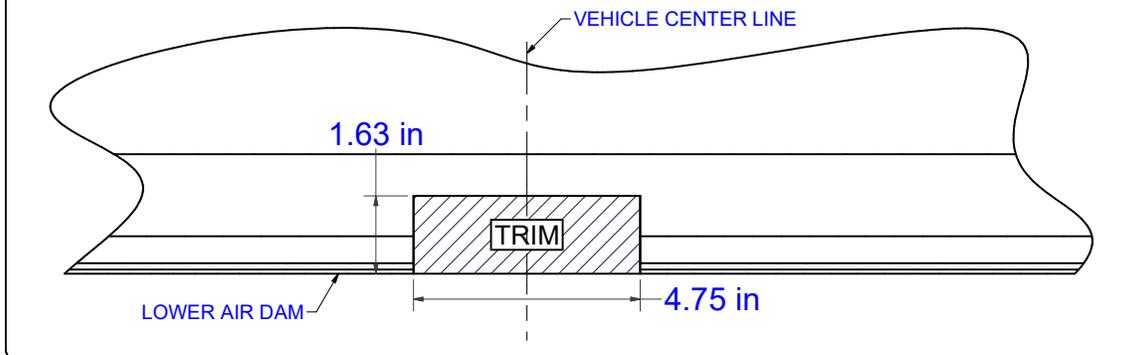
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31067

RAM 3500

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### TRIM DIAGRAM



### INSTALLATION STEPS

1. Trim lower air dam as needed for hitch, see trim diagram above for approximate trim location.
2. Remove / loosen four existing nuts from behind the bumper, as shown on page 1. Remove the lower two nuts on each side, these lower two bolts are used to mount the hitch. Loosen the top nut on each side until only a couple threads are engaged. The top nut will prevent the bolts from being pushed completely through. Push both sets of bolts towards the center of the vehicle.  
**Note:** Loosening these bolts will cause the bumper to shift down slightly. Pushing up on the bumper may take pressure off the bolts making them easier to move. If needed, use a soft mallet to tap the bolts in. The passenger side bolts may not go in as far in as the driver side bolts. **Complete removal of all four bolts will cause the bumper to fall.**
3. Place one CM-SP42 spacer (5) onto the exposed bolt on each side.
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### FRONT MOUNTED ACCESSORIES

1) Do not exceed front axle Gross Weight Rating (GAWR). Consult owners manual or specification plate located on driver's door frame. Measure gross front axle weight by placing front wheels of loaded vehicle on a scale.

**WARNING:** Exceeding GAWR may overload the front axle and/or suspension. This could result in **accident, property damage and personal injury.**

- 2) Reposition front mounted license plate if obstructed.
- 3) Do not obstruct vehicle lights.
- 4) Allow free air flow into grille opening.
- 5) Rear wheel traction may be reduced. This could effect handling. Reduce speed and drive with caution.
- 6) Accessories extend front of vehicle. This may reduce approach angle. Use caution when parking and maneuvering.
- 7) Do not obstruct driver view.

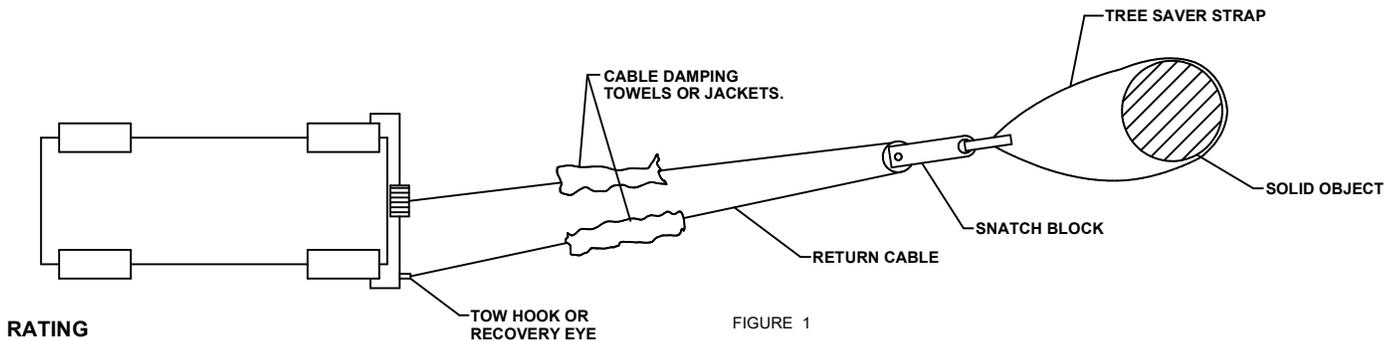
### VEHICLE RECOVERY AND WINCHING TIPS

1) Use OEM tow hooks, recovery eyes or a clevis mount for attachment of a tow strap or winch cable.

**WARNING: NEVER** use a ball and/or ball mount as an anchor point for tow strap or winch cable. Severe personal injury or death could result.

- 2) Observe winch manufacturer's recommendations, cautions and warnings.
- 3) Attach return cable to tow hook or recovery eye when using a snatch block (See figure 1).

**CAUTION:** Do not attach return cable to winch mount. This may overload winch mount and/or front mounted receiver.



### RATING

For **Maximum** line pull rating, winch cable must not exceed:

- 15 degree angle up or down from horizontal (See Figure 2).
- 45 degree angle left or right from straight ahead (See Figure 3).

**CAUTION:** Exceeding the maximum line pull rating may over load winch, winch mount, and/or front mounted receiver.

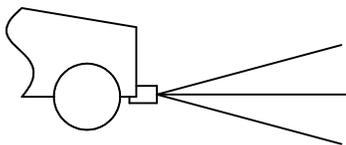


FIGURE 2

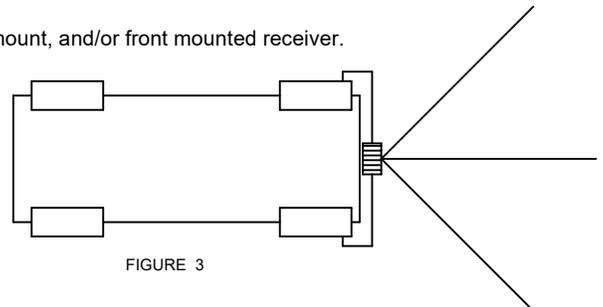


FIGURE 3