

# INSTALLATION INSTRUCTIONS

## BASE RAIL MOUNTING KIT

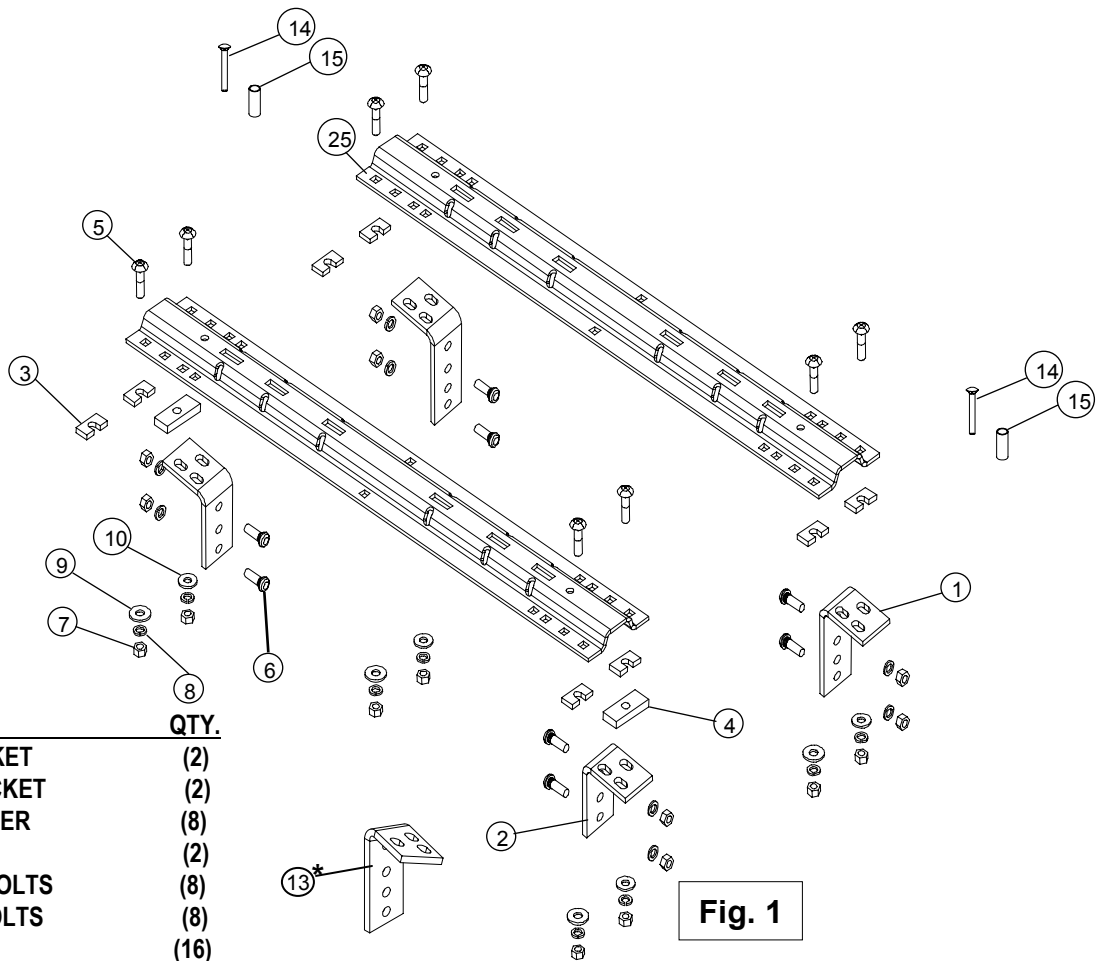
### 6005 & 6007

#### DEALER/INSTALLER:

- (1) Provide this Manual to end user.
- (2) Physically demonstrate procedures in this Manual to end user.
- (3) Have end user demonstrate that he/she understands procedures.

#### END USER:

- (1) Read and follow this Manual every time you use Hitch.
- (2) Save this Manual for future reference.
- (3) Pass on copies of Manual to any other user or owner of Hitch.



<u>BASERAILS</u>	<u>QTY.</u>
1. LONG BRACKET	(2)
2. SHORT BRACKET	(2)
3. FILLER SPACER	(8)
4. SPACER	(2)
5. CARRIAGE BOLTS	(8)
6. KNURLED BOLTS	(8)
7. 1/2" NUTS	(16)
8. 1/2" LOCKWASHERS	(16)
9. 1/2" SERRATED WASHERS	(4)
10. 1/2" FLAT WASHERS	(4)
13. OPTIONAL BRACKET*	(1)
14. 4" CARRIAGE BOLT	(2)
15. TUBE SPACER	(2)
25. BASERAILS	(2)

\*OPTIONAL 2002 DODGE 1500 CUSTOM MOUNTING BRACKET 58023

For Installation Assistance or Technical Help, Call 1-800-521-0510

## GENERAL INSTRUCTIONS FOR BASE RAIL INSTALLATION

### TOOLS

- |                                   |                               |
|-----------------------------------|-------------------------------|
| 3/16" drill                       | 3/4" Socket & Open End Wrench |
| 17/32" drill                      | 100 lb-ft Torque Wrench       |
| 1" drill (Dodge application only) | "C" Clamps                    |

1. The following instructions should be used to mount the 5th wheel. Care and attention to detail will ensure a quick quality installation. Check parts against parts list to become familiar with parts in kit. (See Fig. 1)

2. Raise rear of truck high enough to allow jack stands to be placed under rear spring hanger bracket of truck. This will provide maximum room to install the 5th wheel brackets.

### **WARNING:**

**If the truck is raised, be sure that the truck is properly blocked and restrained to prevent the truck from falling. Failure to do so may result in the truck suddenly falling, causing death or serious injury.**

3. Do not install mounting rails over plastic bed liners. Plastic bed liners must be cut out of the way. Base rails may be installed on spray in liner. **Note:** Consult installer for recommended curing time.

4. Use only DRAW-TITE supplied bolts, nuts, and washers to install this kit. All bolts are grade 5 and nuts are grade 5 unless specified otherwise.

5. Specific instructions for most commonly used vehicles are included. If these instructions do not apply to your vehicle, be sure that each end of each base rail is connected to the vehicle frame. Each frame bracket must be bolted to the vehicle frame with two bolts, unless optional weld is used.

### **CAUTION:**

**These instructions are guidelines only. Actual installation is the responsibility of the installer and the owner. Always measure truck and trailer before installing hitch to be sure that there is clearance at the cab and at the bumper to allow for turns.**

To prevent the trailer from hitting the cab with the trailer turned 90°, the center of the hitch should be at least 52" from the back of the cab when using a long bed truck. (Actual distance required will depend on trailer width and king pin location.) Short bed trucks require a minimum of a 13" extended pin box for regular maneuvers and do not apply.

6. Measurements are given from Rear Edge of truck bed to rear edge of the base rail closest to the Rear Edge of truck for most vehicle applications (See Fig. 2).

7. Center hitch between fender wells and make sure rails are square. Adjust position of rails until both diagonal measurements are the same. This should allow installation of a gooseneck or other 5th wheels to these rails (See Fig. 2).

8. Drill 8 holes identified in Fig. 2. (Hole location will vary for individual vehicle applications.) Drill all holes with 3/16" drill and enlarge them with a 17/32" drill. Always use sharp drill bits. A 3/16" pilot hole will greatly speed drilling larger holes. Install 1/2" carriage bolts into holes. Install slotted spacer above or below bed to fill corrugations in bed floor.

### **CAUTION:**

**Check for obstructions before drilling. Failure to do so could result in damaged fuel or brake lines, structural members, etc. DRAW-TITE does its best to communicate tow vehicle manufacturer changes; however, it is ultimately the responsibility of the installer to prevent damage due to installation.**

9. Install mounting brackets onto carriage bolts with the long brackets on forward bolts and short brackets on rearward (long and short brackets can be interchanged as needed). Secure bolts through mounting brackets with serrated washers, lock washers, and hex nuts. Secure the other four bolts through the bed with flat washers, lock washers, and nuts.

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10. Drill two holes in frame for each bracket. Select the holes which will give the greatest spread between bolts. Install eight 1/2"-13x1-3/8" ribbed neck bolts, (threads pointing out), lock washers, and hex nuts. Tighten nuts until bolt heads seat. Lubrication of knurls of all rib neck bolts is recommended.

**Note:** On vehicles with heavy duty suspensions, check for interference with bolts where brackets are mounted to frame. If interference with suspension spring results, cut bolt flush to nut outboard of frame or use weld option.

**⚠ WARNING:**  
DO NOT lubricate threads. It may cause bolt failure.

**⚠ CAUTION:** ⚠  
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**⚠ CAUTION:** ⚠  
It is important that 17/32" drill be used for holes in chassis frame as rib neck bolts may break if too small a hole is used and neck may not grip if too large a hole is used.

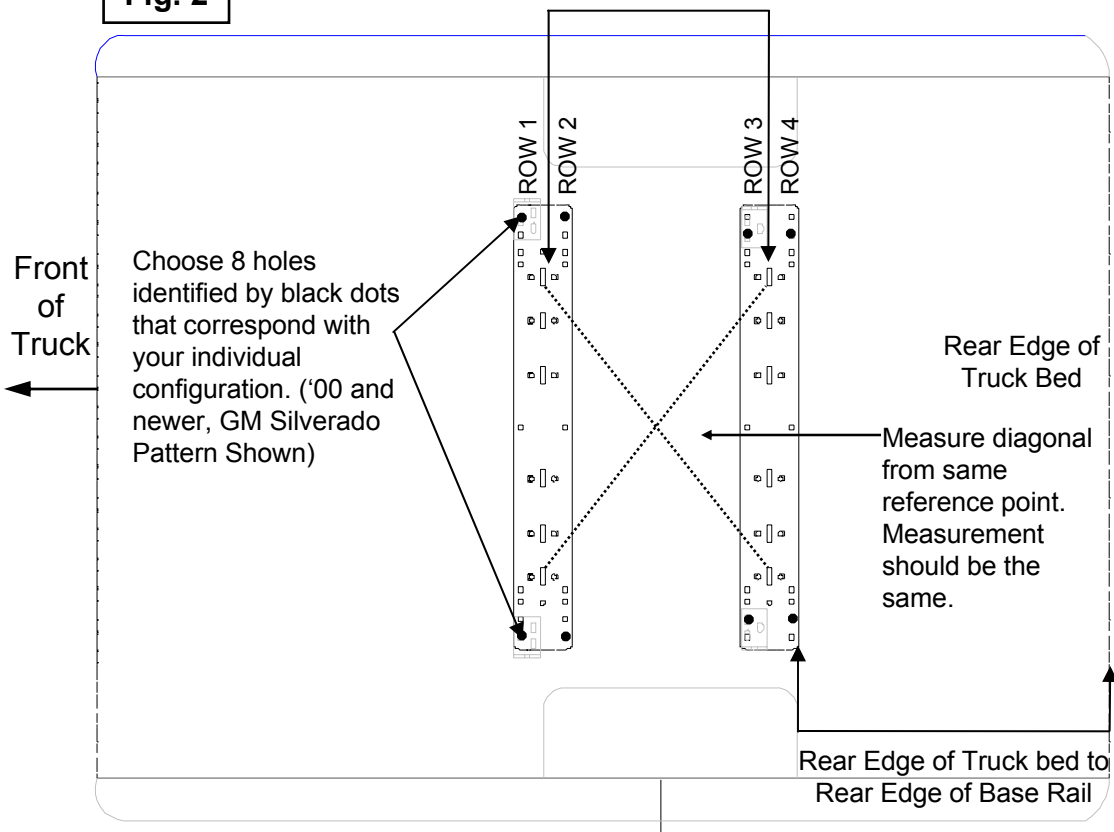
9. Torque all nuts to 85 lb-ft

10. Pull wire provided to pull rib neck bolts through frame as needed per application

**Drill locations will vary. See individual installation for location**

**Fig. 2**

Use side bracket/hitch base assembly to position rails (not included)

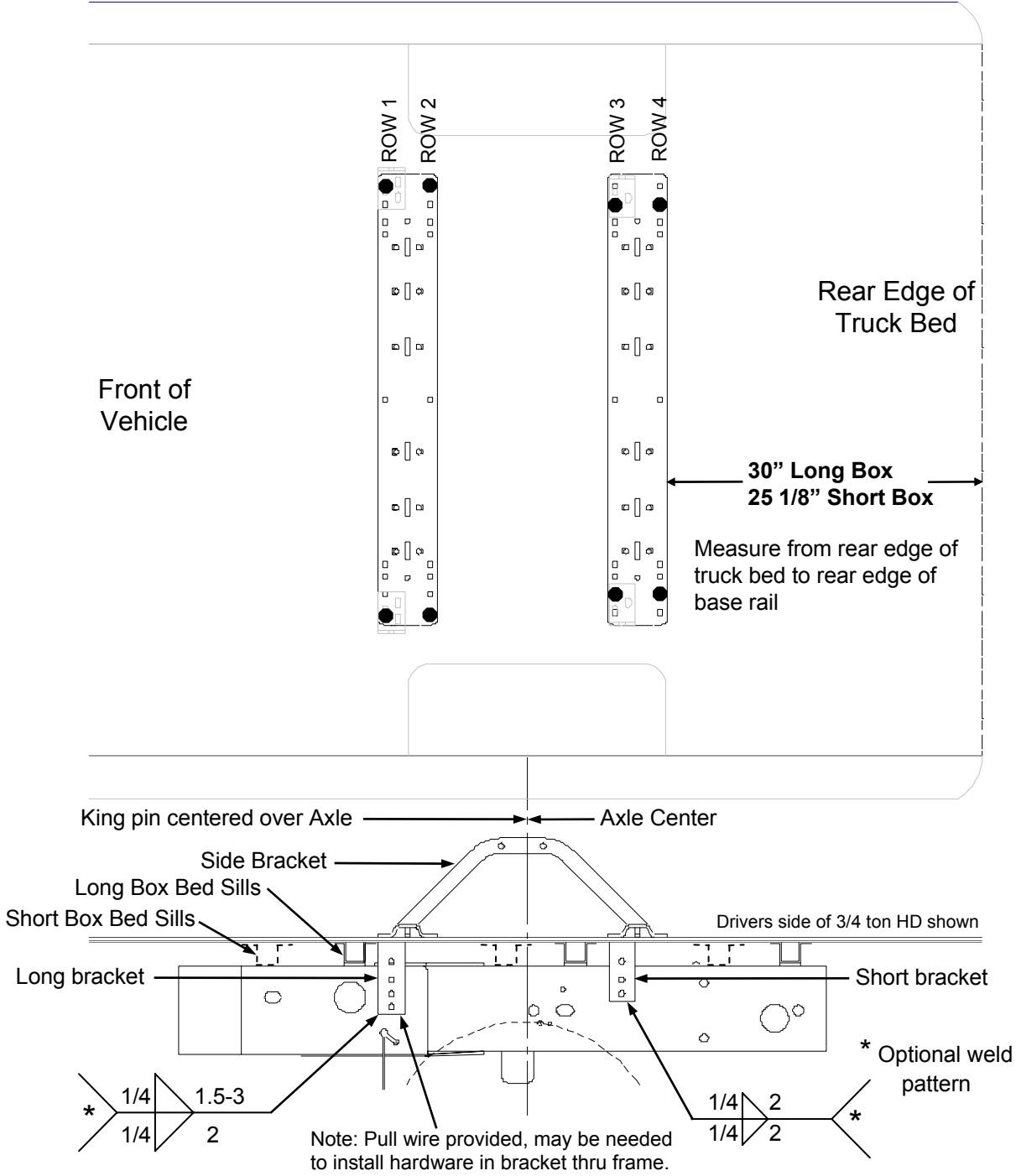


**CAUTION!**

Read pages 2-3 of these instructions before starting installation. Failure to do so could result in significant vehicle damage!

**IMPORTANT NOTES FOR THIS INSTALLATION:**

1. Find parallel rows of bed sill spot welds in bed of truck. No drilling should be done in the ~4" between parallel rows of spot welds where the bed sill sits.



**CAUTION!**

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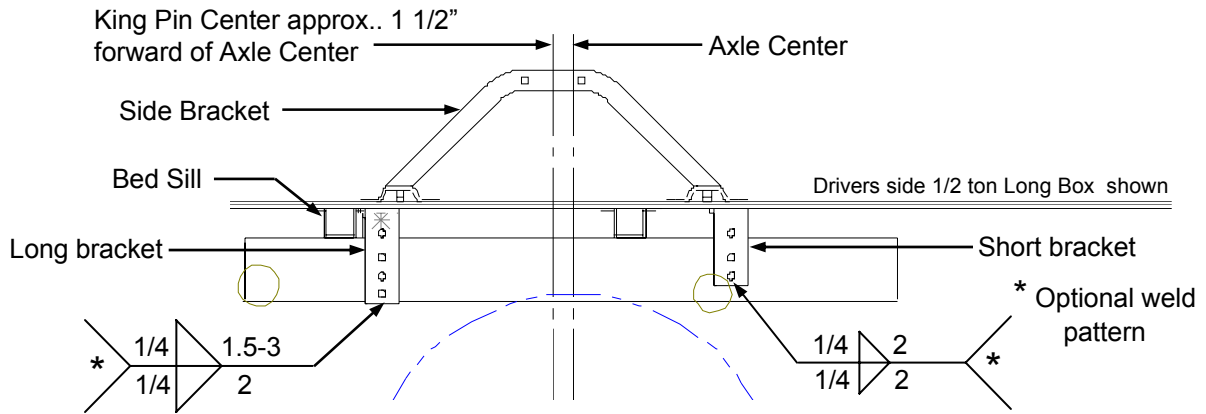
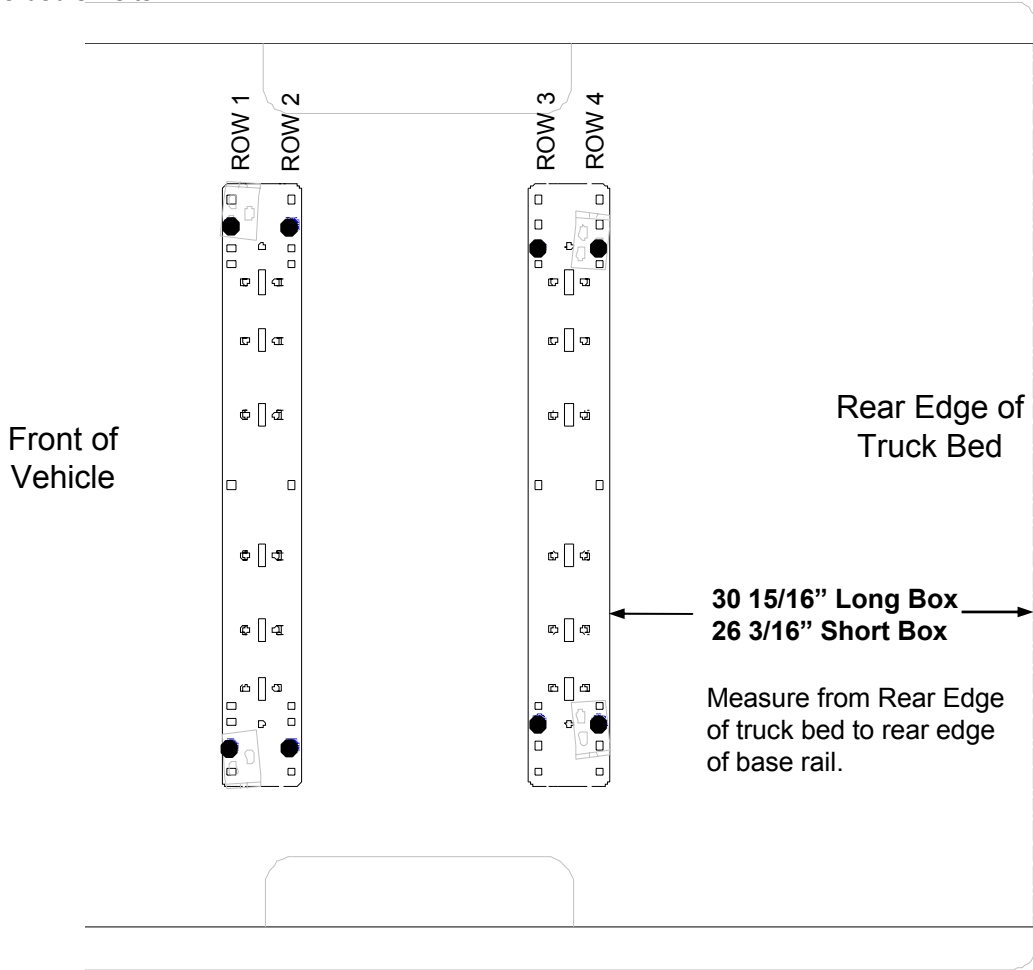
**SIERRA CLASSIC (WITH TAPERED FRAME) (RED TURN SIGNALS)**

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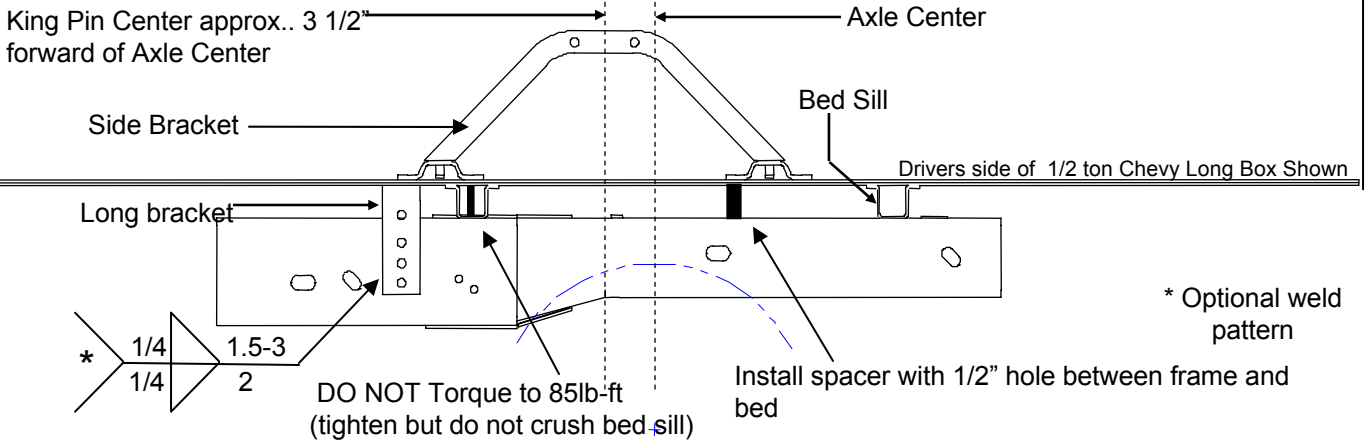
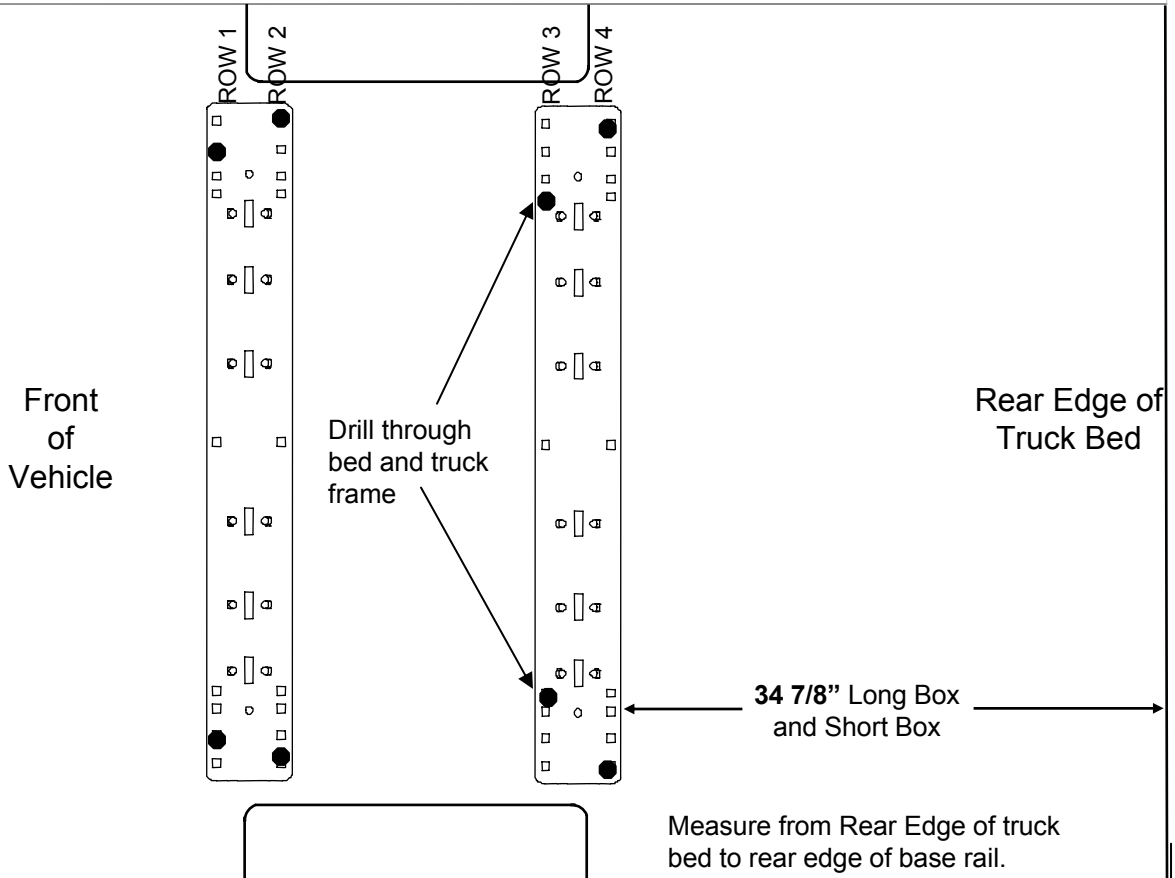


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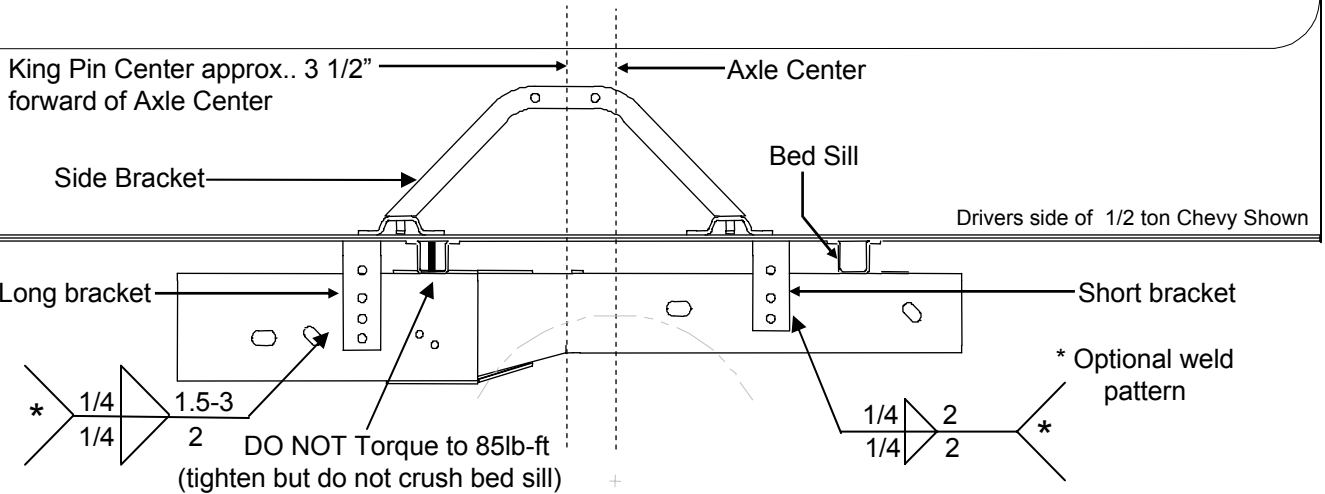
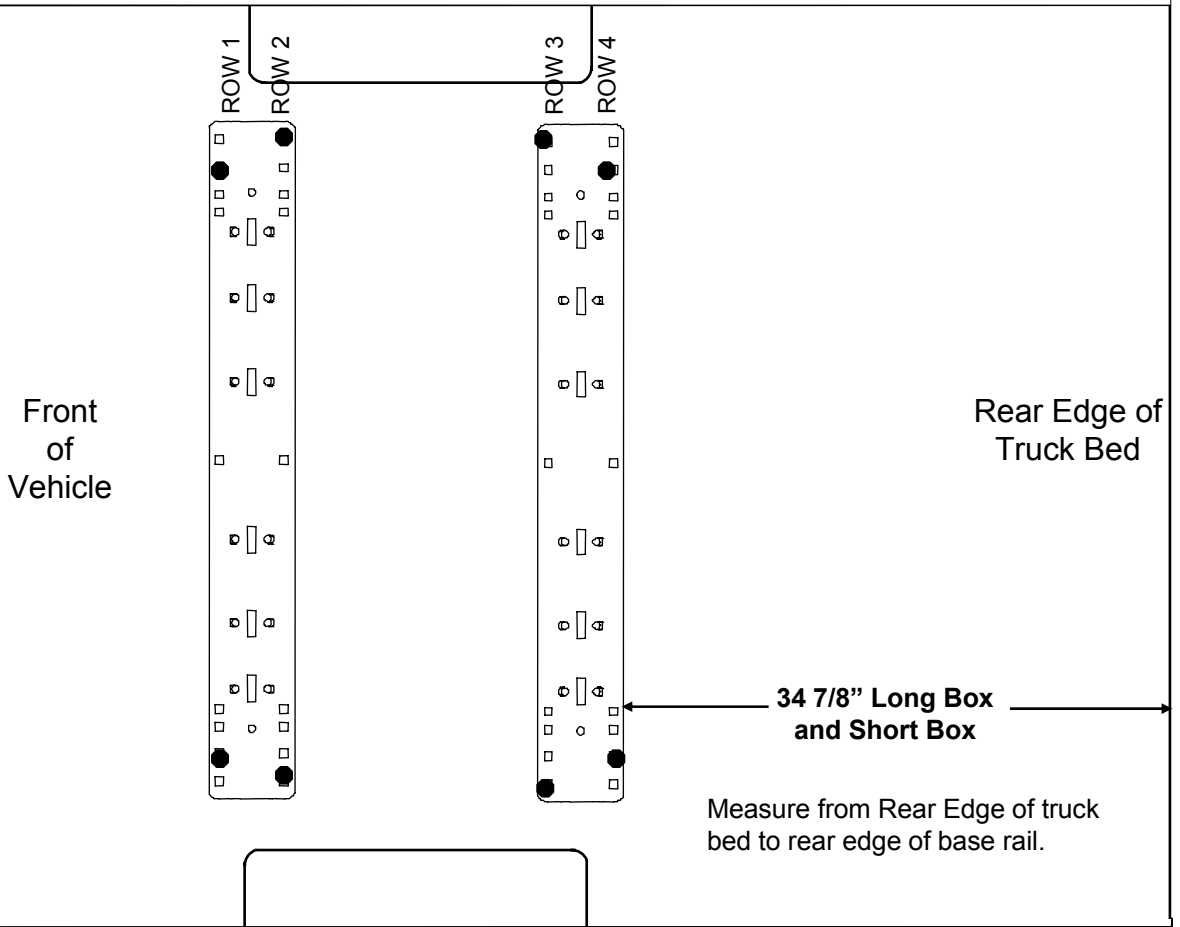


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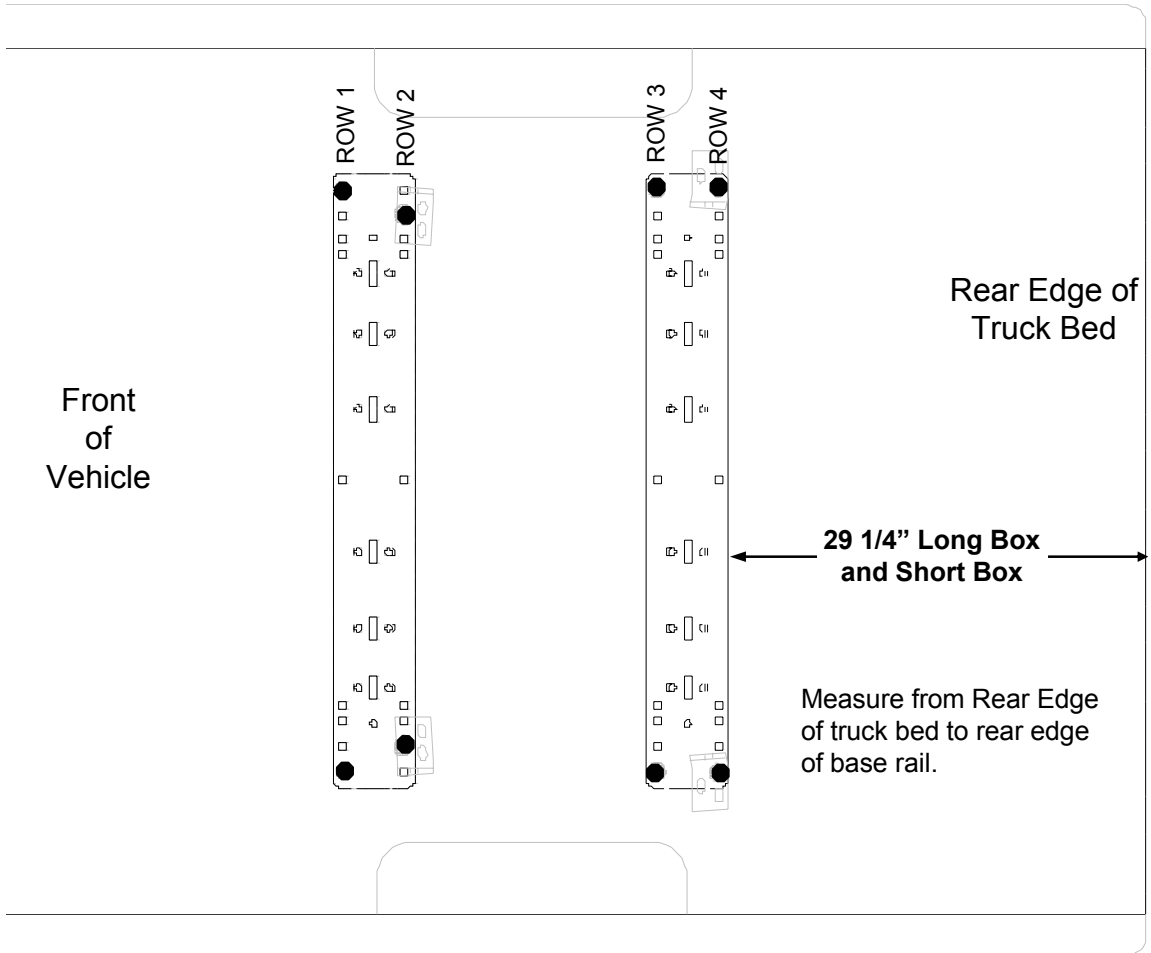
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**IMPORTANT NOTES FOR THIS INSTALLATION:**

1. Long and Short Brackets on Driver's Side may need to be switched to avoid interference with exhaust hanger.
2. Find parallel rows of bed sill spot welds in bed of truck. No drilling should be done in the ~4" between parallel rows of spot welds where the bed sill sits.



King Pin Center approx.. 1 1/2" forward of axle center.

Axle Center

Side Bracket

Bed Sill

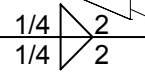
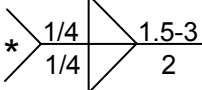
Drivers side of F150 shown

May need to move slightly to avoid interference with fuel lines

Long bracket

Short bracket

\* Optional weld pattern



**⚠ CAUTION! ⚠**

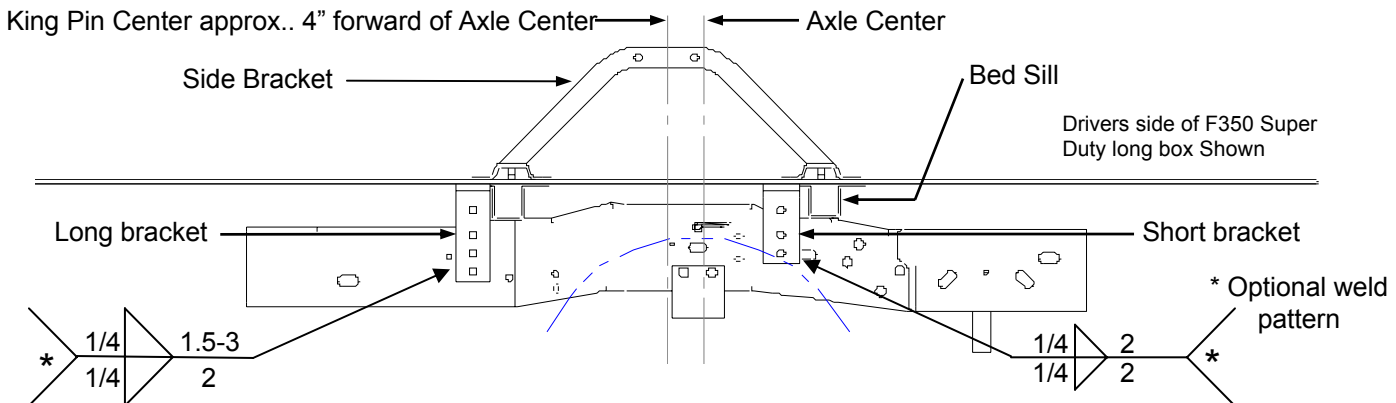
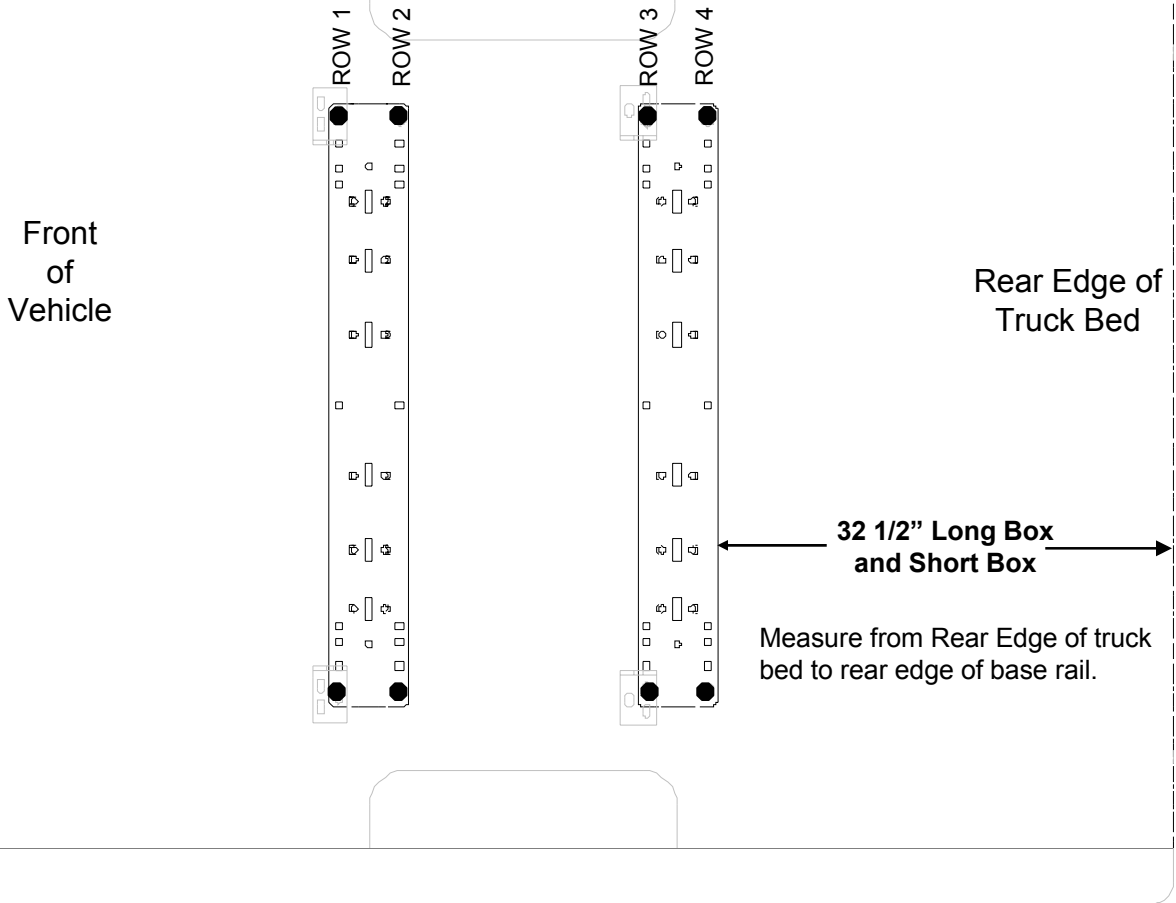
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**IMPORTANT NOTES FOR THIS INSTALLATION:**

1. On short bed vehicles, attach Driver's Side forward bracket on Row 2 to avoid interference with fuel lines.
2. On vehicles with overload springs, switch position of long and short brackets.
3. Find rear row of spot welds for rear bed sill in truck bed, these should measure 33-1/2" +/- 1/4" from rear of truck bed. If so, use noted dimension for base rail placement. If not, contact Reese for assistance (800) 521-0510.



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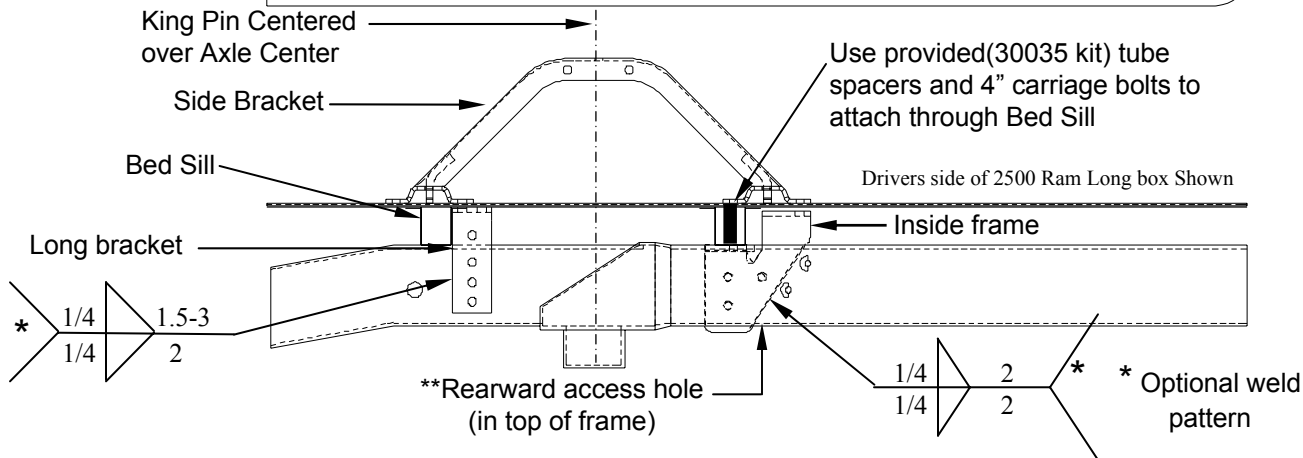
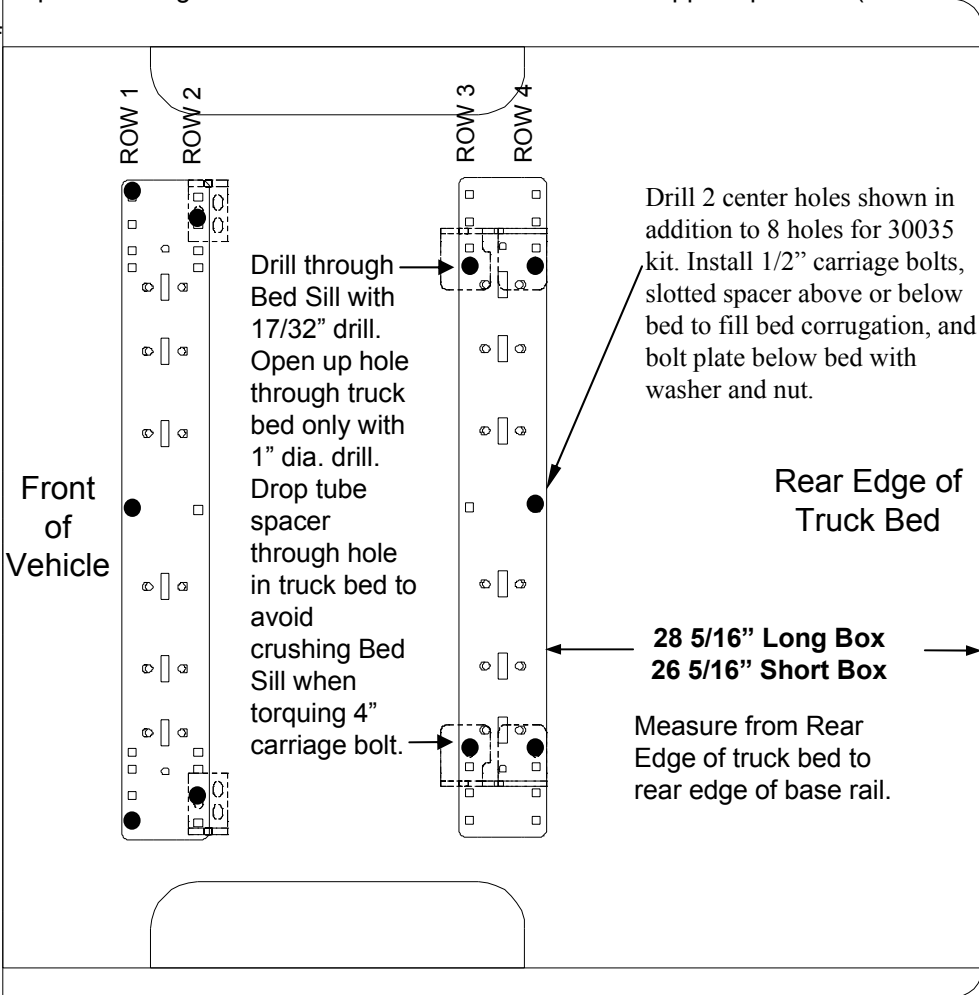


**CAUTION!**

Read pages 2-3 of 30035 instructions before starting installation. Failure to do so could result in significant vehicle damage!

**IMPORTANT NOTES FOR THIS INSTALLATION:**

1. Tube spacers and 4" carriage bolts used to attach through rearward Bed Sill (Row 3).
2. \*\*Rib neck bolts will need to be pulled through rearward access holes in frame with supplied pull wire (see below).
3. Do not drill thru both walls of frame. Drill only thru wall of frame to which bracket is mounted.
4. It is very important that brackets in Row 2 are against rear side of Bed Sill as shown. Due to dimensional instability in Bed Sill placement with the Dodge truck, interference could result when drilling in Row 3. Observe caution note below and double check all areas prior to drilling.
5. Rear brackets can be mounted to frame with (2) bolts in any combination of the three bracket holes.
6. \*Due to tubular frames having thinner walls than previous C channel frames, extra caution needs to be used when mounting with the optional welding.



**CAUTION!**

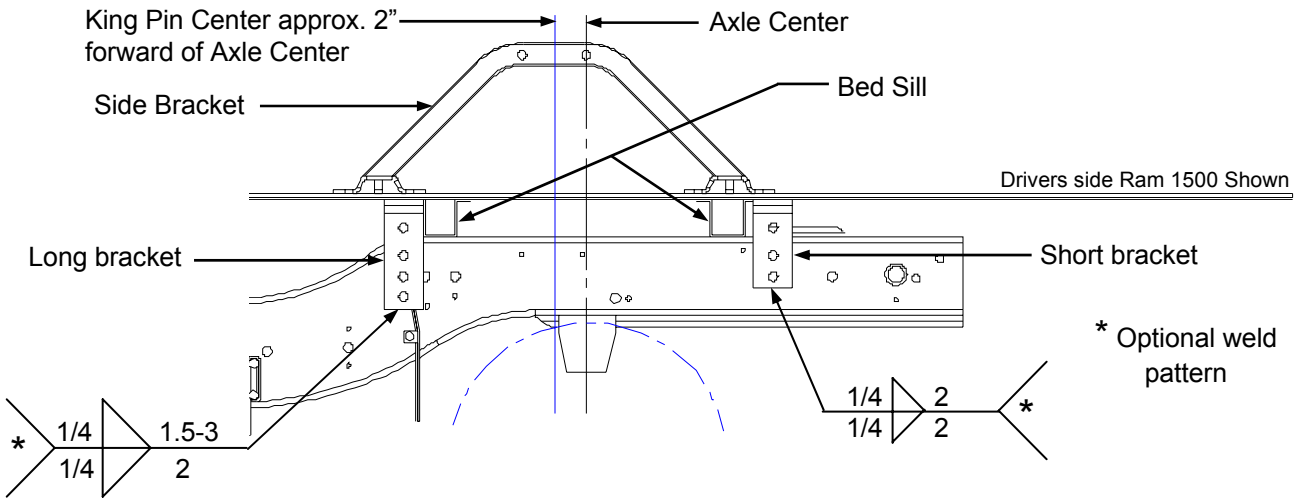
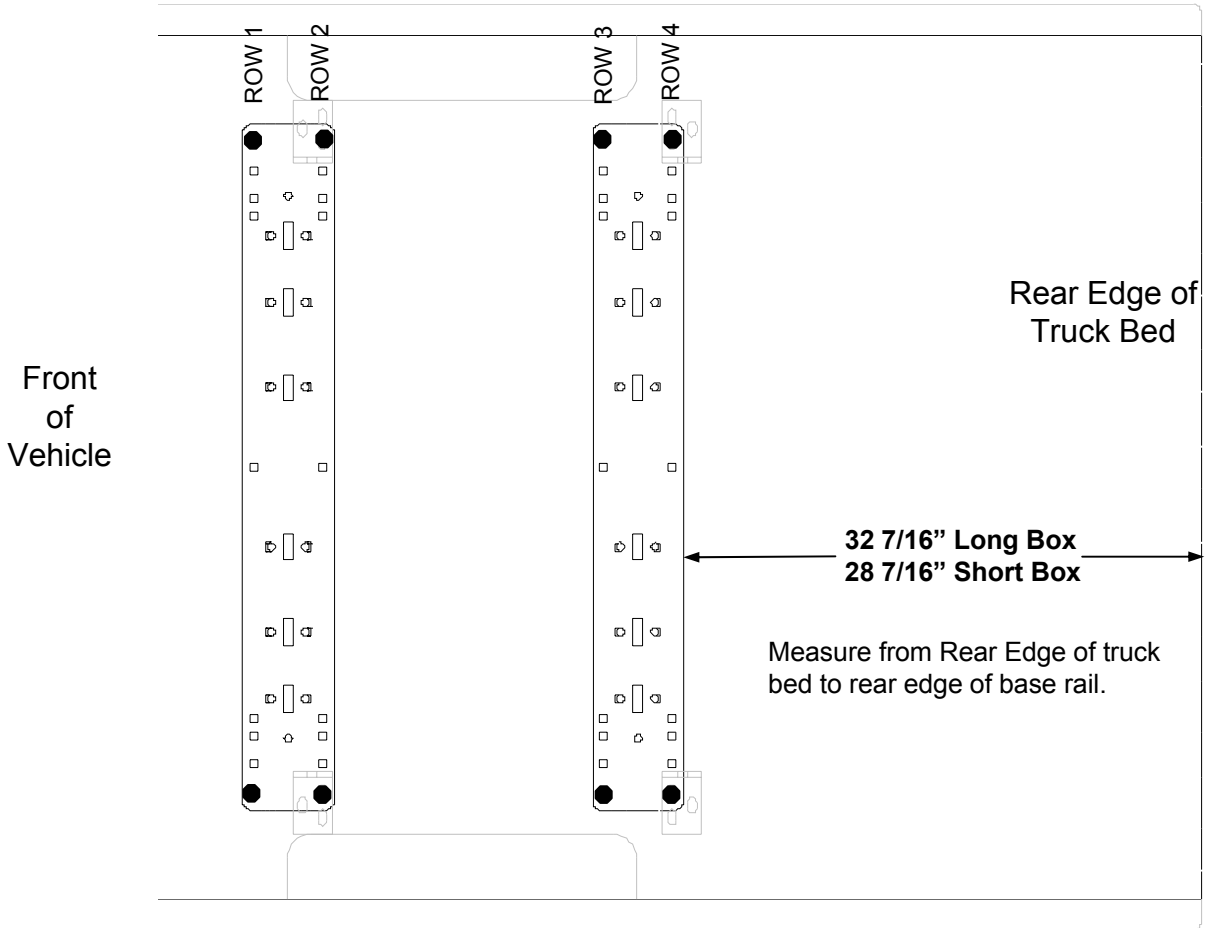
Check for obstructions before drilling. Failure to do so could result in damaged fuel or brake lines, structural members, etc. REESE PRODUCTS does its best to communicate tow vehicle manufacturer changes; however, it is ultimately the responsibility of the installer to prevent damage due to installation.

**CAUTION!**

Read pages 2-3 of these instructions before starting installation. Failure to do so could result in significant vehicle damage!

**IMPORTANT NOTES FOR THIS INSTALLATION:**

1. It is very important that brackets in Row 2 are against forward side of bed sill as shown below. Due to dimensional instability in bed sill placement with the Dodge truck, interference could result when drilling in Rows 3 or 4. Find parallel rows of bed sill spot welds in bed of truck. No drilling should be done in the ~4" between parallel rows of spot welds where the bed sill sits.



**CAUTION!**

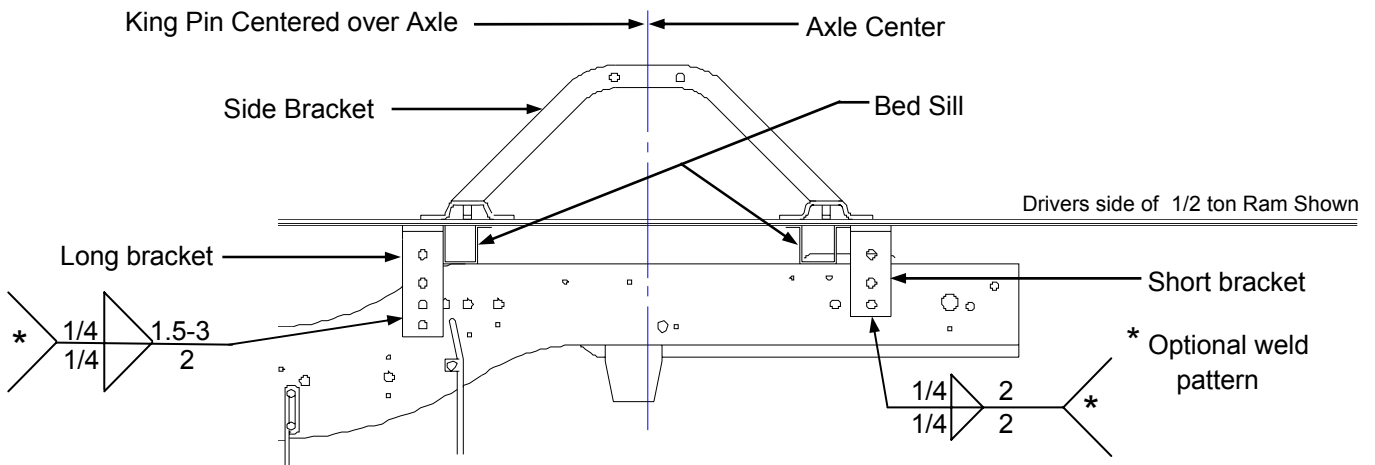
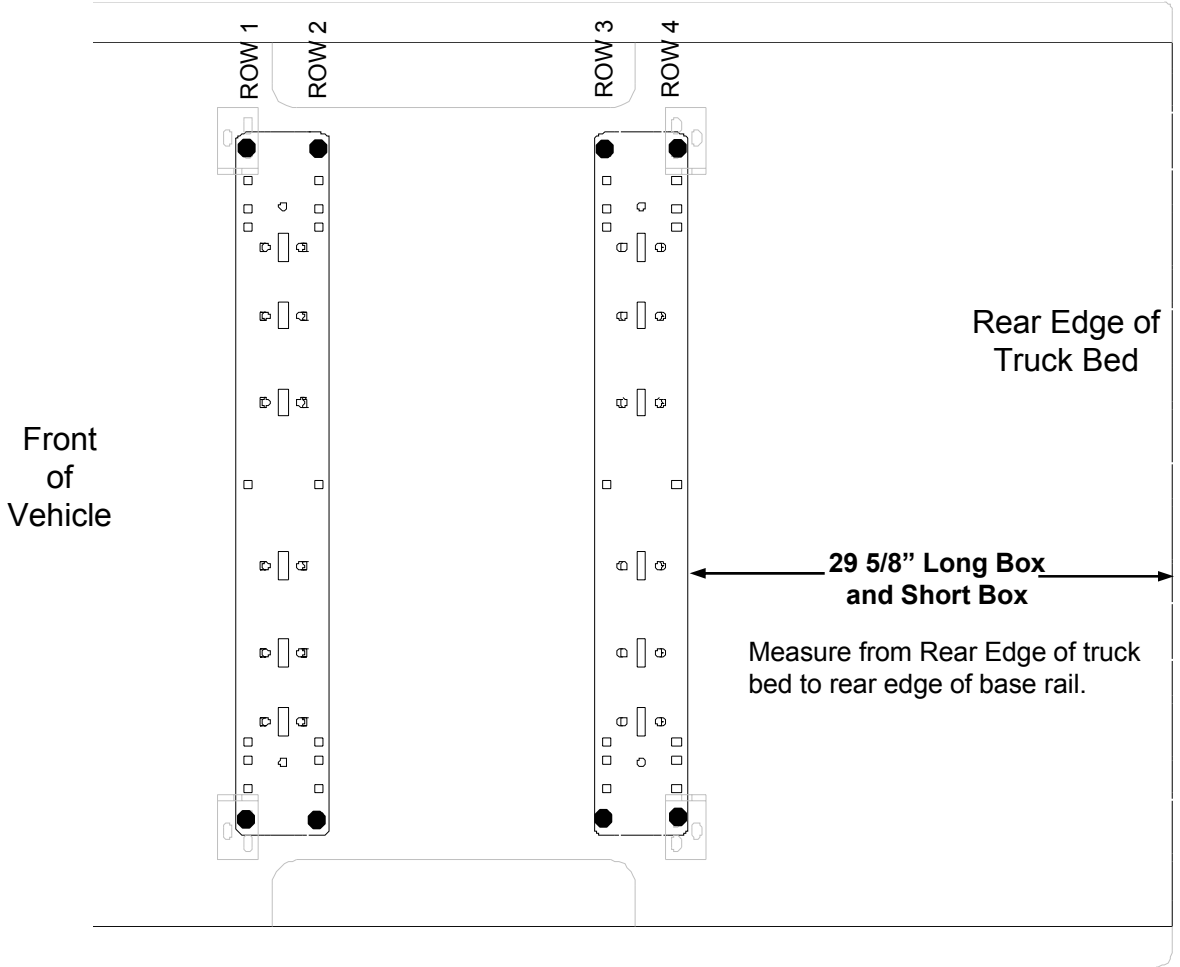
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1. Find parallel rows of bed sill spot welds in bed of truck. No drilling should be done in the ~4" between parallel rows of spot welds where the bed sill sits.



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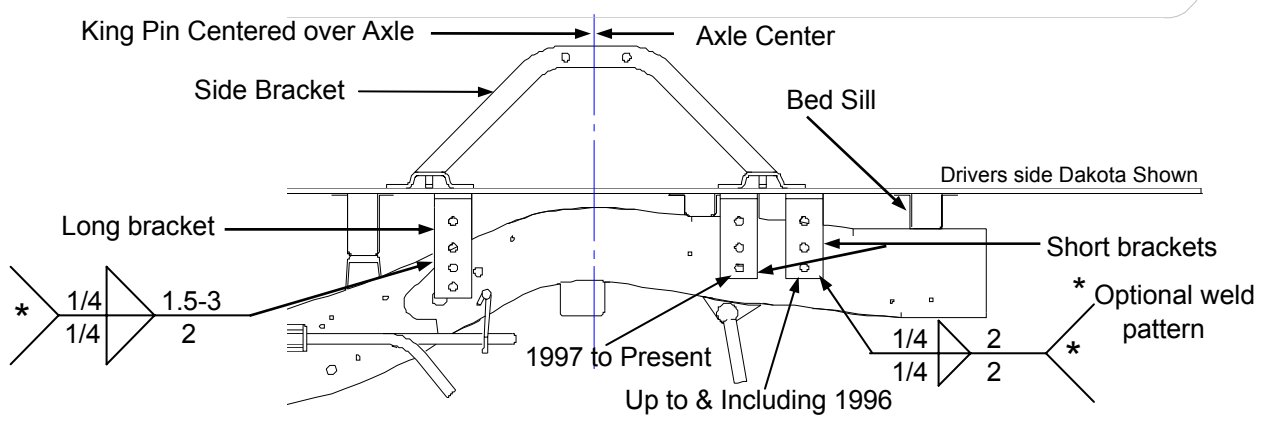
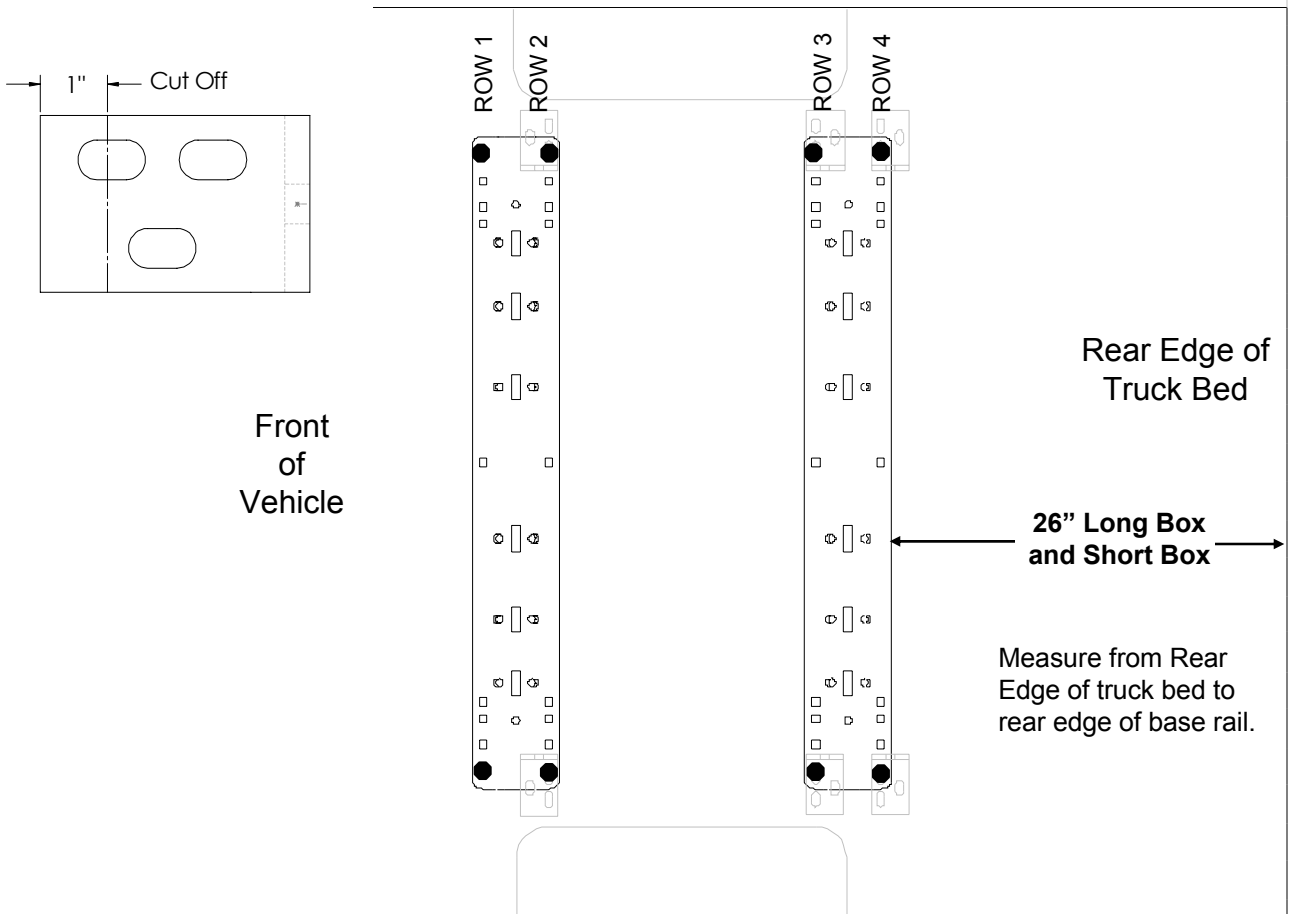
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**IMPORTANT NOTES FOR THIS INSTALLATION:**

1. Find parallel rows of bed sill spot welds in bed of truck. No drilling should be done in the ~4" between parallel rows of spot welds where the bed sill sits.
2. Cut 1" from top flange of brackets. Under bed, mount brackets with flanges facing out.
3. Put rear brackets on Row 3 for '97 to Present models. Put brackets on Row 4 for '96 and Earlier models.

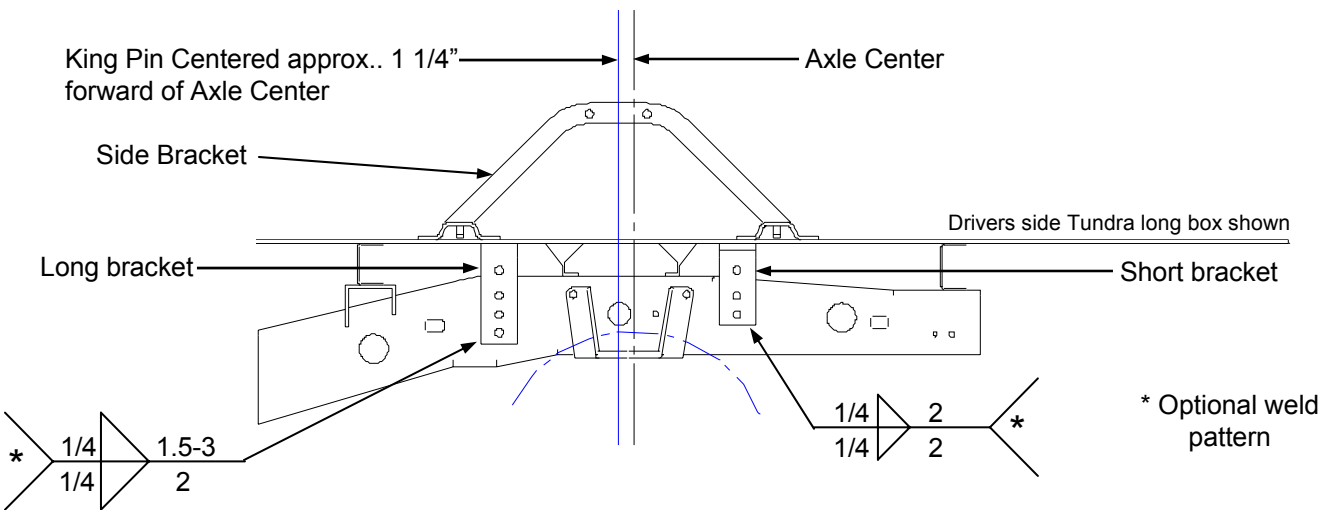
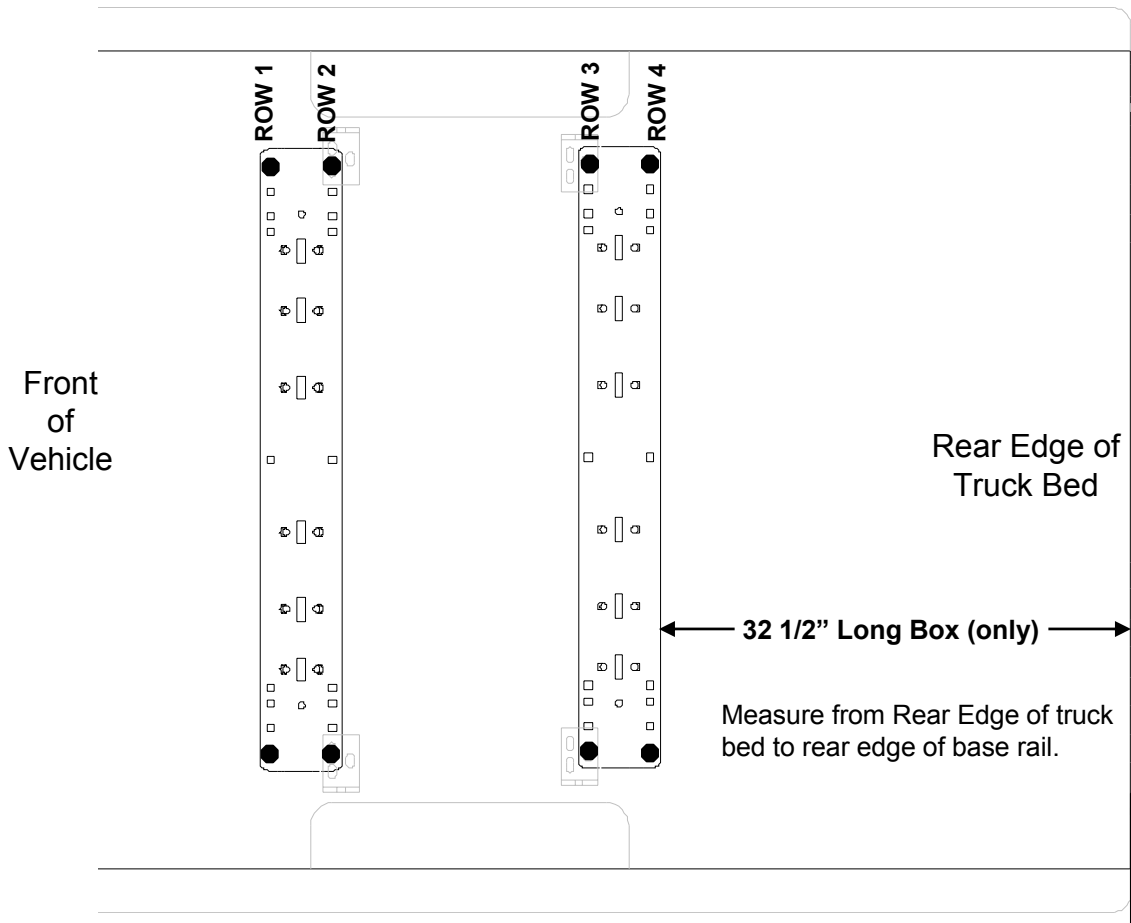


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# NOTES

## FIVE YEAR LIMITED WARRANTY

### **Hitches - Custom Receivers**

DRAW-TITE warrants its 5th Wheel Hitch Mounting Kits from date of purchase against defects in material and workmanship under normal use and service, ordinary wear and tear excepted, for 5 years of ownership to the original consumer purchaser when a DRAW-TITE mounting kit is used.

DRAW-TITE will replace FREE OF CHARGE any part which proves defective in material or workmanship when presented to any DRAW-TITE dealer, DRAW-TITE Warehouse or returned to factory. TRANSPORTATION CHARGES PREPAID, at the address below. THIS WARRANTY IS LIMITED TO DEFECTIVE PARTS REPLACEMENT ONLY. LABOR CHARGES AND/OR DAMAGE INCURRED IN INSTALLATION OR REPLACEMENT AS WELL AS INCIDENTAL AND CONSEQUENTIAL DAMAGES CONNECTED THEREWITH ARE EXCLUDED.

Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

Any damage to the 5th Wheel Hitch as a result of misuse, abuse, neglect, accident, improper installation, or any use violative of instructions furnished by us, WILL VOID THE WARRANTY.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. In the event of a problem with warranty service or performance, you may be able to go to a small claims court, or a federal district court.

Towing Products, Inc.  
47774 Anchor Ct.  
Plymouth, MI. 48170