



INSTALLATION INSTRUCTIONS

MOUNTING KIT

2010-CURRENT Dodge 2500 & 3500

DEALER/INSTALLER:

- (1) Read all instructions before installation
- (2) Provide this Manual to end user.

END USER:

- (1) Save this Manual for future reference.
- (2) Pass on copies of Manual to any other user or owner of Hitch.

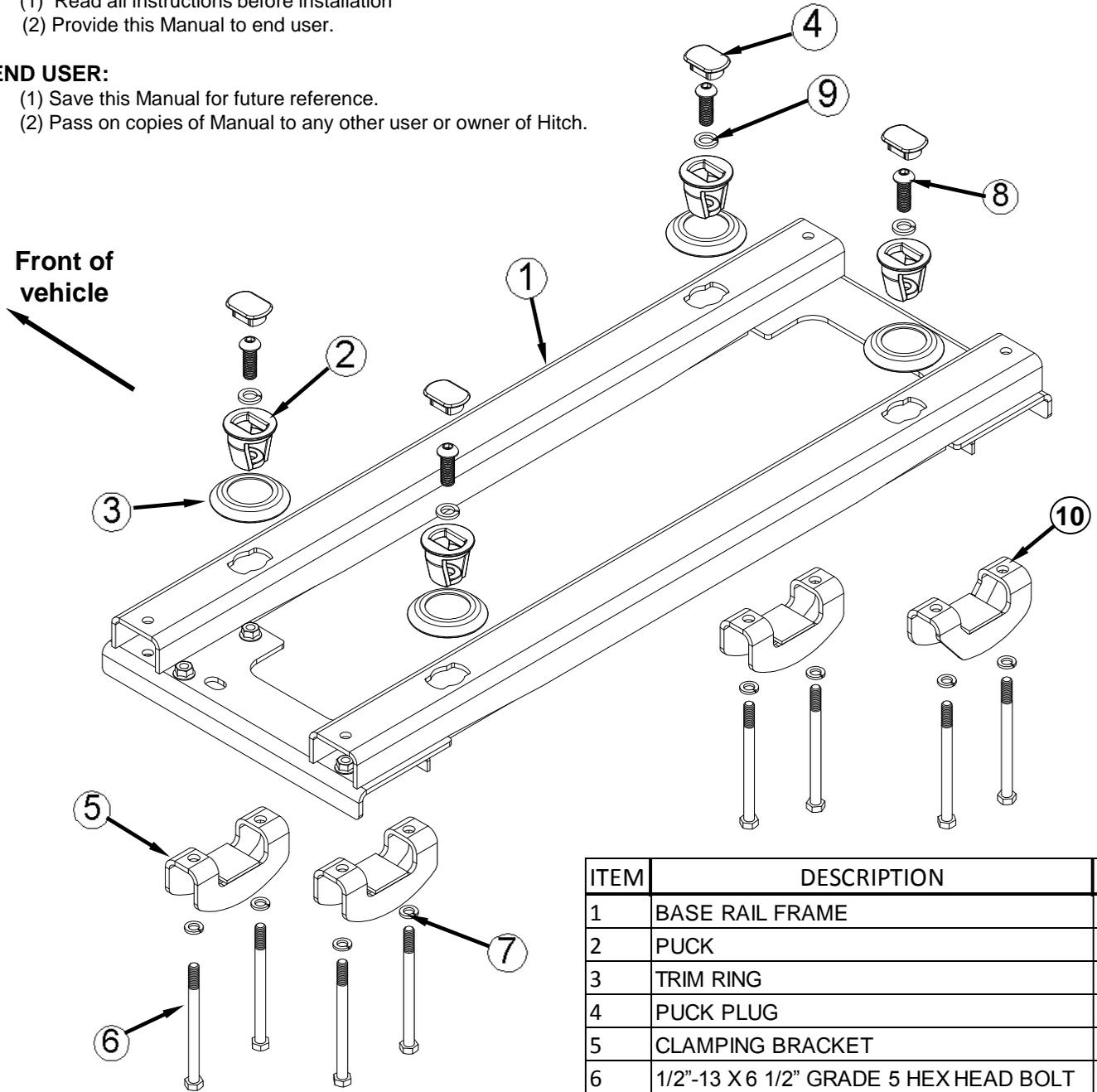


Figure 1

ITEM	DESCRIPTION	QTY.
1	BASE RAIL FRAME	1
2	PUCK	4
3	TRIM RING	4
4	PUCK PLUG	4
5	CLAMPING BRACKET	3
6	1/2"-13 X 6 1/2" GRADE 5 HEX HEAD BOLT	8
7	1/2" LOCK WASHER	8
8	5/8"-11 X 1 3/4" BUTTON HEAD SCREW	4
9	5/8" LOCK WASHER	4
10	PASS. REAR CLAMPING BRACKE	1

For Installation Assistance or Technical Help, Call 1-888-521-0510

⚠ WARNING:

Failure to follow all of these instructions may result in death or serious injury!

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GUIDELINES FOR MATCHING HITCH TRUCK AND TRAILER

⚠ WARNING:

Failure to check and follow tow ratings could result in tow vehicle damage or truck and trailer separation while towing.

- Trailer and its contents together must not exceed truck, hitch and/or trailer tow ratings.
- Tow vehicle must have a manufacturer’s rated towing capacity equal to or greater than the gross trailer weight (dry weight of the trailer plus payload of the trailer). (Figure 2)
- Gross weight of trailer must not exceed fifth wheel hitch rating.
- King pin weight must not exceed fifth wheel rating (Figure 3). If in doubt have king pin weight measured by a qualified technician.

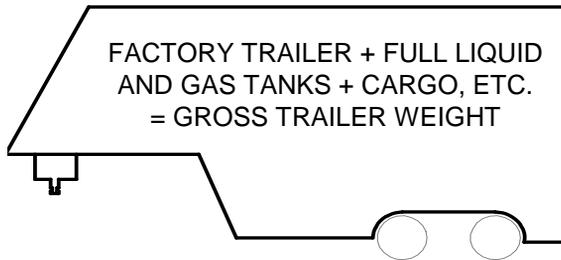


Figure 2

1. Check Tow Ratings:
 Vehicle Tow Rating: _____.
REESE® Elite™ Series Hitch Rating: _____.
 Gross Trailer Weight (**Figure 2**): _____.
***Trailer weight should be the lowest of these recorded ratings for safe towing conditions.**
2. Cequent Performance Products, Inc. hitches are designed for use with recreational fifth wheel trailers only. Hitch applications other than recreational fifth wheel trailers must be approved in writing by Cequent Performance Products, Inc. Engineering Department.
3. Use only a SAE 2” kingpin with your *REESE® Elite™ Series* Fifth Wheel Hitch.
4. Approximately 15%-25% of trailer weight should be on hitch (Pin Weight)(**Figure 3**).

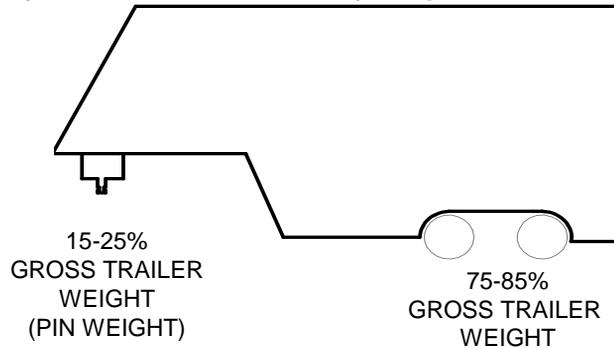


Figure 3

5. Trucks come in many different configurations. Cequent Performance Products, Inc. hitches are designed for use in light trucks such as the Dodge Ram. Cequent Performance Products, Inc. recommends the use of long bed (8') light trucks for the best combination in truck - trailer turning clearance.

Rule of thumb: The distance from the back of the truck cab to the center of the rear truck axle ("X" in **Figure 4**), should be approximately 4" greater than one-half the trailer width ("Y" in **Figure 4**)

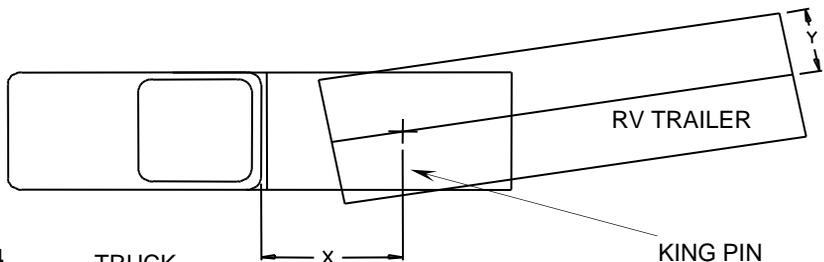


Figure 4

6. If a short bed pickup (less than 8' but longer than 6') is to be used for towing, Cequent Performance Products, Inc. recommends the trailer be equipped with an extended pin box to help gain additional truck - trailer turning clearance (See trailer manufacturer for options) (**Figure 5**). It also may be helpful to add a REESE® Elite™ Series Slider (**Part # 30070**) for increased turning clearance for low speed, non-highway maneuvering.

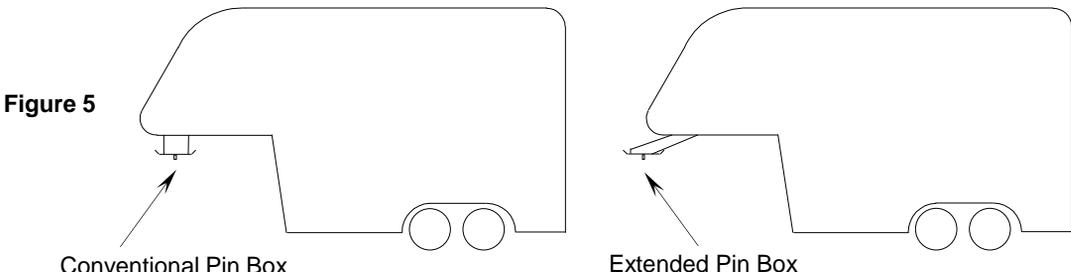
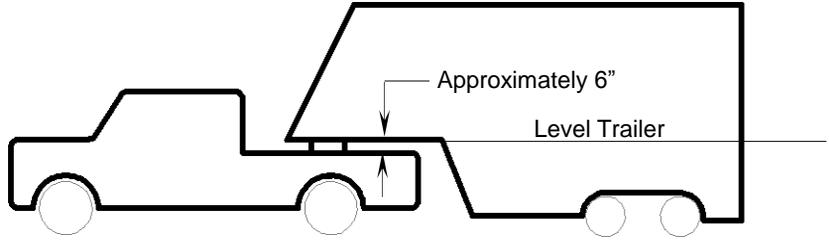


Figure 5

WARNING:
Do Not install this fifth wheel hitch on or attempt to tow with a short bed pickup truck that has a bed shorter than 6' unless trailer is equipped with a Sidewinder™ pin box!

7. The height of the hitch and the pin box should be adjusted so the trailer is approximately level as it is towed. Allow approximately 6" clearance between the top of the pickup walls and the underside of the front of the trailer for pitch and roll of the trailer. (**Figure 6**). Allow more clearance between pickup walls and trailer for off road use.

Figure 6



CAUTION:

The measurements above are guidelines. If your measurements are close to these numbers re-check clearances. If vehicle and/or trailer has any added bed vicinity accessories (i.e. fairings, air dams, ground effects, bed rails, etc.). Additional dimensioning and clearance checks have to be made.

8. Hitch height determination:

With trailer level and on level ground measure from the ground to the king pin box ("A" in **Figure 7**). Secondly measure the height of the inside of the truck bed ("B" in **Figure 7**). Determine the amount of clearance over the side rails ("C" and "D" in **Figure 7**), as mentioned in **step 7**.

$$\text{Hitch Height} = A - B + 2''$$

The 2" value is an estimate of suspension compression due to king pin weight of the trailer. This compression could range between 1"-5" depending on the truck being used and the trailer being towed.

$$D - C + 2'' > 6'' \text{ as in step 7.}$$

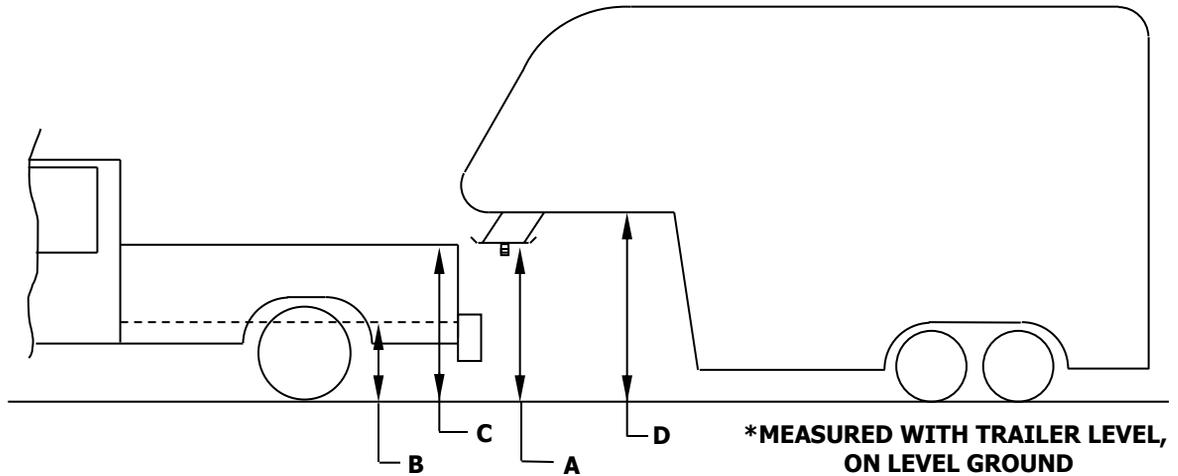


Figure 7

9. If a lube plate is to be used with a *REESE® Elite™ Series* fifth wheel it must be at least 12" in diameter. Cequent Performance Products, Inc. offers this optional lube plate as part # 83001.

⚠ WARNING:

- Connection for trailer wiring must be located at the side of the truck bed between the driver's seat and the rear wheel to prevent operators from working between the truck and trailer.
- Avoid putting any part of your body under the trailer or between the truck and trailer. Unexpected or accidental movement of the truck or the trailer can cause serious injury or death
- If you must place any part of your body under the trailer or between the truck and trailer you **MUST** perform **ALL** of the following steps:
 - Check that the truck transmission is in park
 - Check that the emergency brake is on
 - Block in front of and behind all trailer tires
 - Check that the trailer landing gear are resting on firm ground

GENERAL INSTRUCTIONS FOR FIFTH WHEEL INSTALLATION

TOOLS

3/8" Allen socket	Ratchet
18mm socket	200 lb-ft Torque Wrench
3/4" Hex socket	3-1/4" Hole Saw OR 3-1/4" Knockout Punch

CAUTION!

Read page 2-4 of these instructions before starting installation. Failure to do so could result in significant vehicle damage!

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



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.

2. Use only Cequent Performance Products, Inc. supplied bolts, nuts, and washers to install this kit. All bolts and nuts are Grade 5 unless specified otherwise.
3. These instructions are intended for a specific group of trucks. Each frame bracket must be bolted to the vehicle frame with two bolts.

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.

4. Using the drivers side edge of the bed corrugation, find the center of the truck bed. Measure the locations of the holes that will need to be cut using **Figure 8** (long bed application) **or Figure 9** (short bed application). If a plastic drop-in bed liner is used cut 19" X 4" slots in liner measured from center of holes in truck bed. **Remove plastic bed liner if applicable** . Spray-in bed liners and bed mats less than 1/4" thick will work with normal installation instructions. **Note:** Consult installer for recommended curing time on spray-in liner before cutting holes through bed. If the *RESESE® Elite™ Series* slider fifth wheel assembly is used, then see fifth wheel slider assembly instructions for slot cut dimensions.

CAUTION:

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

5. Drill 1/8" pilot hole in truck bed per measurements. With hole saw or knockout punch to enlarge hole to 3-1/4". Plastic bed liner will need to be removed before drilling or punching out. Bed liner will need to be cut as noted in general instruction #4 on page 5. Optional: Spray under coating around 3-1/4" holes to prevent rusting.

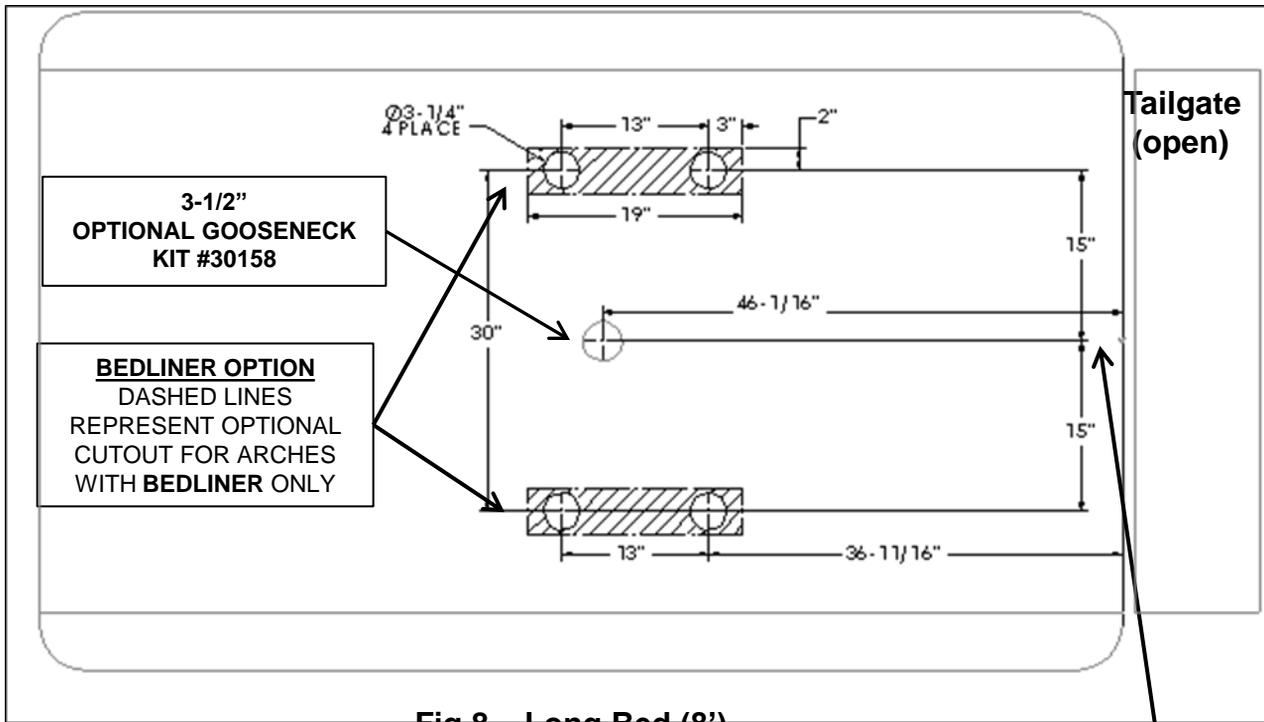


Fig 8 – Long Bed (8')

Locate center of truck bed

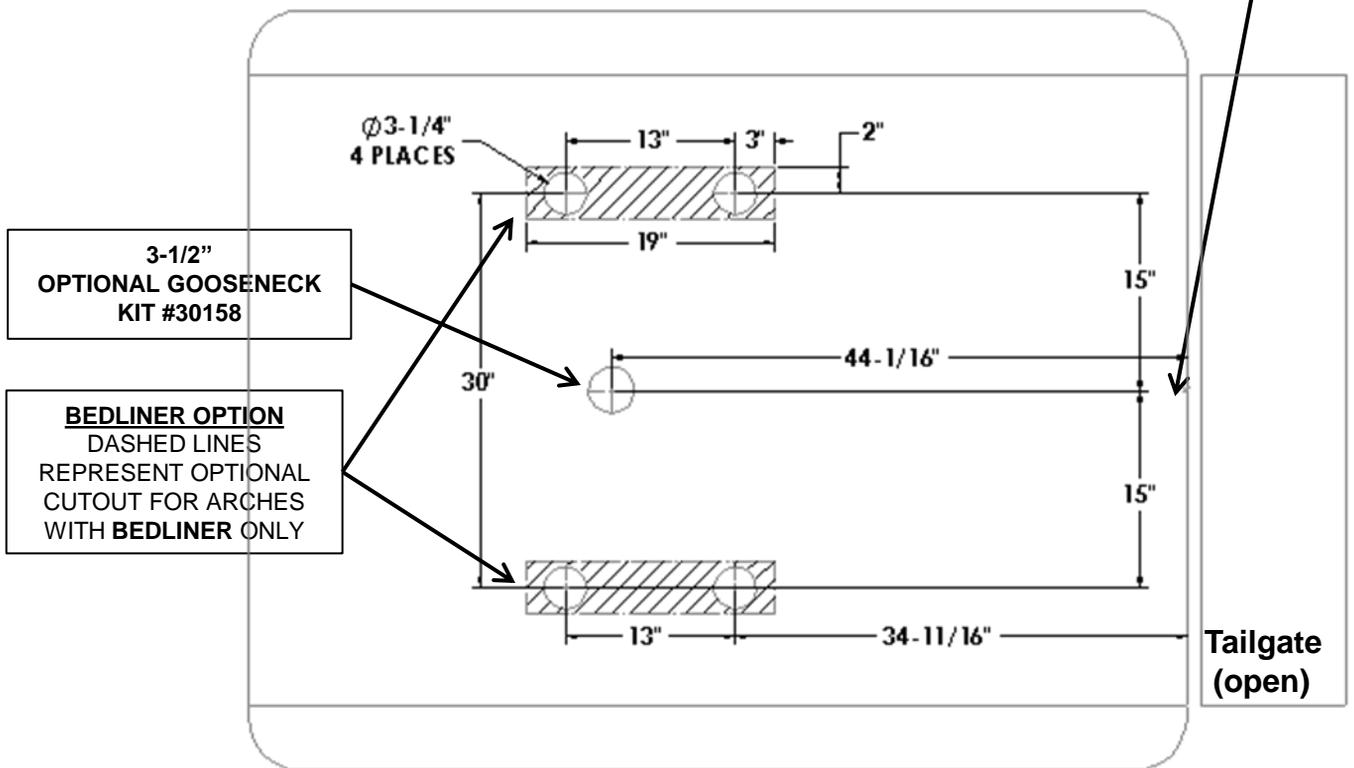


Fig 9 - Short Bed (6')

- Remove ground wire from the frame. Use an 18mm socket to remove all of the bed bolts. Then raise and support the truck bed.
- Insert base rails as shown in the following steps (**Figures 10 through 13**). Refasten truck bed bolts after rails are inserted. Torque bed bolts to 75 ft. lbs.

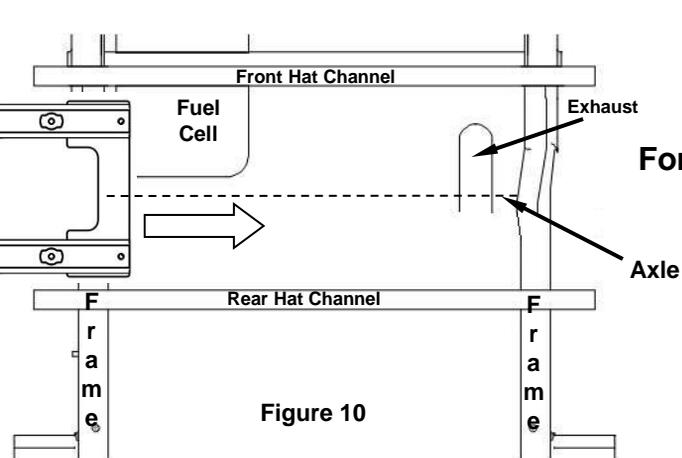


Figure 10

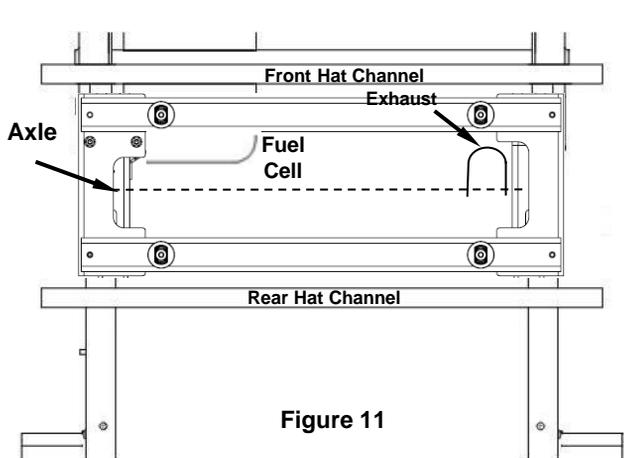


Figure 11

Step 1 : Slide the base rail system in between the hat channels. Lift and position it so that it rests on the frame.

Step 2 : Position the base rail system near the rear hat channel as shown so that it rests evenly on both sides of the frame.

- Loosely attach clamping brackets (5) to frame using 1/2" x 6.5" hex head bolts (6) and 1/2" lock washers (7). Hand tighten keeping the flat portion of the bracket even on the bottom of the frame. (**Figure 12**). Be sure that the rail holes align with holes in the bed.

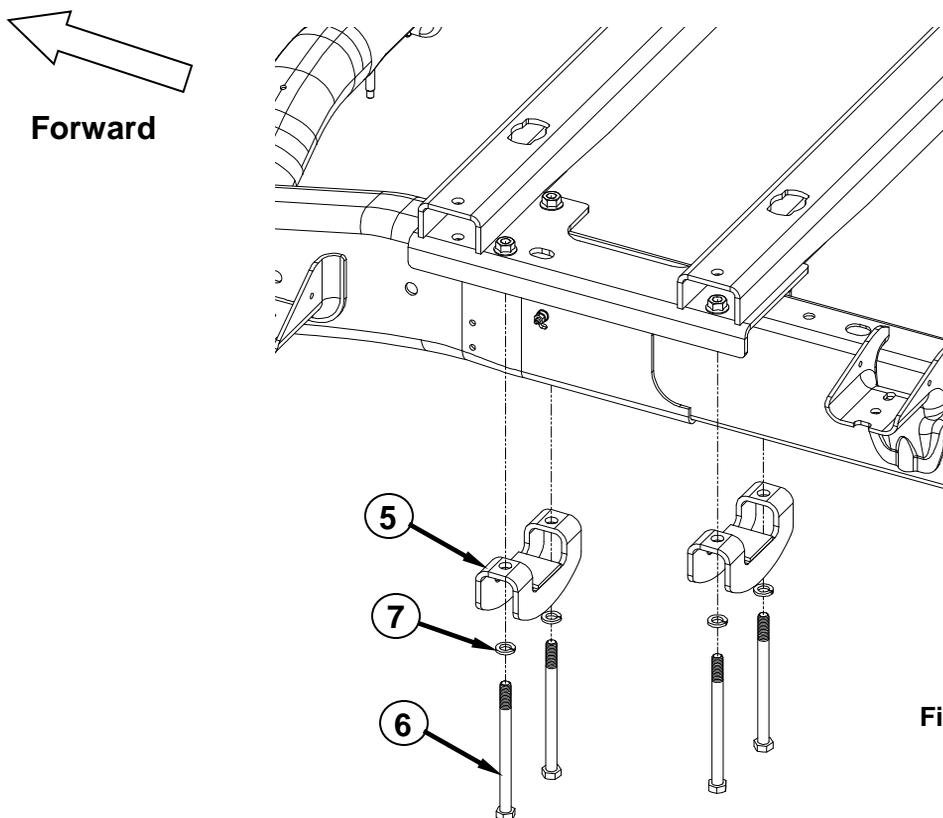


Figure 12

9. Repeat for other side of truck. (Figure 13).

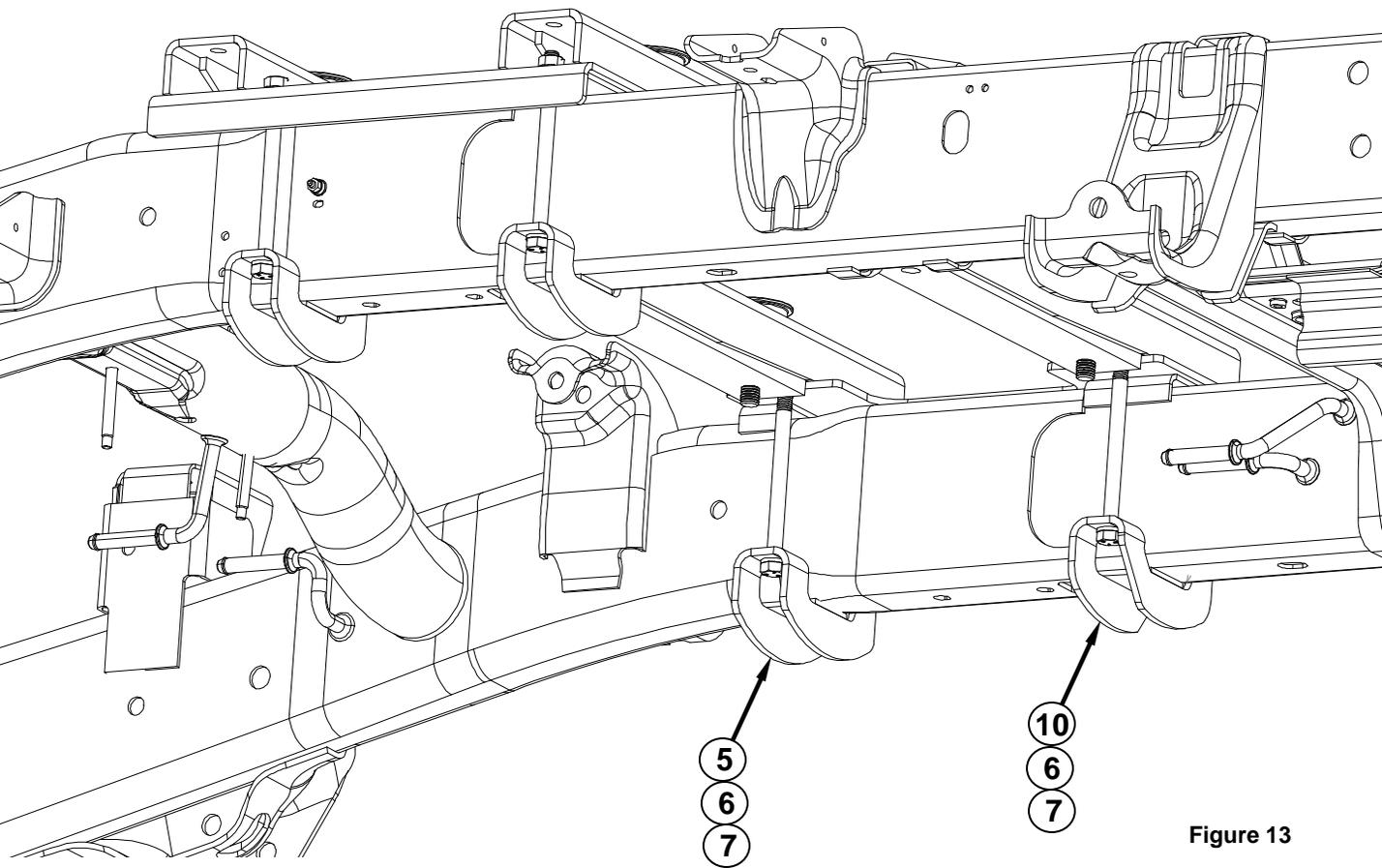


Figure 13

NOTE: Tighten both sides simultaneously to keep brackets even. The bolts (6) should be tightened to 75 ft-lbs.

- From inside the truck bed, attach pucks (2) and trim rings (4) to rails (1) using button head screw (8) and lock washer (9) (**Figure 14**). Tighten to 110ft.lbs. torque.

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

Figure 14

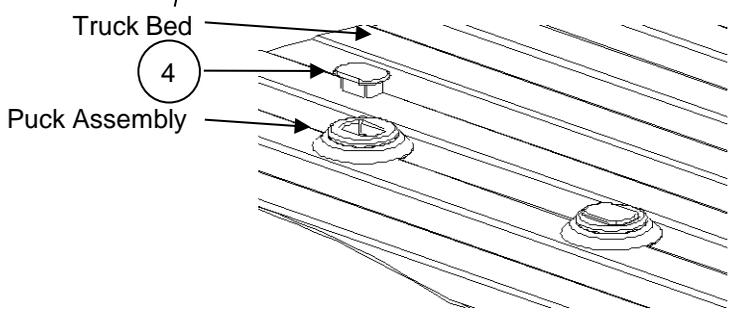
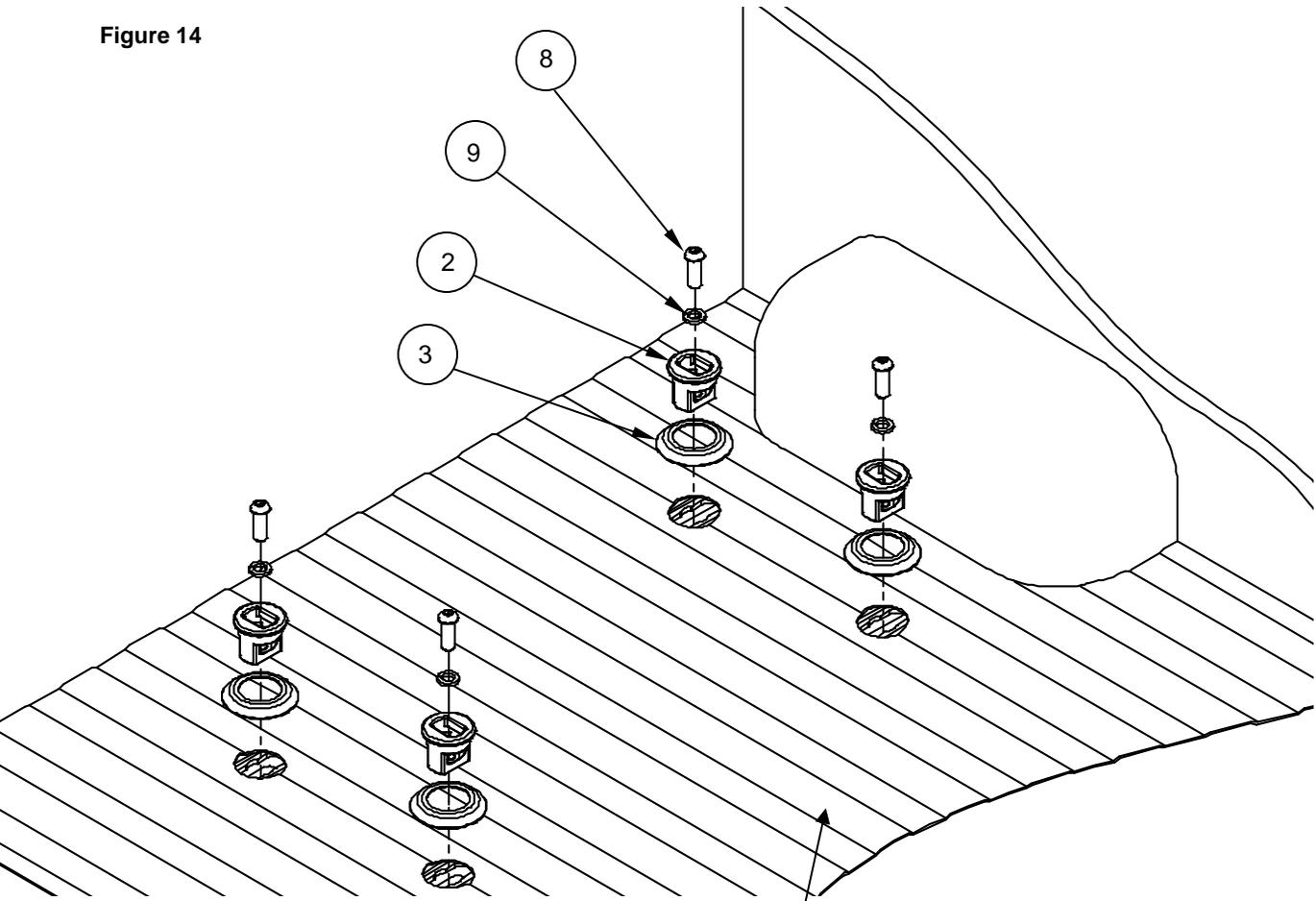


Figure 15

- Insert puck plugs (2) (as shown) whenever pucks are not in use. (**Figure 15**)
- Install REESE® Elite™ Series fifth wheel per hitch assembly instructions.
- Make sure all 1/2" bolts are torqued to 75 ft. lbs., 5/8" bolts are torqued to 110 ft. lbs, and bed bolts are torqued to 75 ft. lbs.
- Re-attach ground wire.

NOTES

LIFETIME LIMITED WARRANTY

Cequent Performance Products Inc. (“We” or “Us”) warrants the Elite Series 5th Wheel Hitch Mounting Kits to the original consumer purchaser only (“You”) that the product will be free from material defects in both material and workmanship, ordinary wear and tear expected; provided that installation and use of the product is in accordance with product instructions. There are no other warranties, express or implied, including the warranty of merchantability or fitness for a particular purpose. This warranty is not transferable.

This warranty does not cover: (a) normal wear and tear; (b) damage through abuse, neglect, misuse, or as a result of any accident or in any other manner; (c) damage from misapplication, overloading, or improper installation; (d) improper maintenance and repair; and (e) product alteration in any manner by anyone other than Us, with the sole exception of alterations made pursuant to product instructions and in a workmanlike manner.

To make a Warranty claim, contact Us, at our principal address of 47912 Halyard Dr. Suite 100, Plymouth, MI 48170, 1-800-521-0510, identify the product by model number, and follow the claim instructions that will be provided. Any returned product that is replaced by Us becomes our property. You will be responsible for return shipping costs. Please retain your purchase receipt to verify date of purchase and that You are the original consumer purchaser. The product and the purchase receipt must be provided to Us in order to process Your Warranty claim.

Product replacement is Your sole remedy under this Warranty. We shall not be liable for service or labor charges incurred in removing or replacing a product or any incidental or consequential damages of any kind.

You acknowledge and agree that any use of the product for any purpose other than the specified use(s) stated in the product instructions is at Your own risk.

This Warranty gives you specific legal rights, and You may also have other rights which vary from state to state. This Warranty is governed by the laws of the State of Michigan, without regard to rules pertaining to conflicts of law. The state courts located in Oakland County, Michigan shall have exclusive jurisdiction for any disputes relating to this warranty.

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