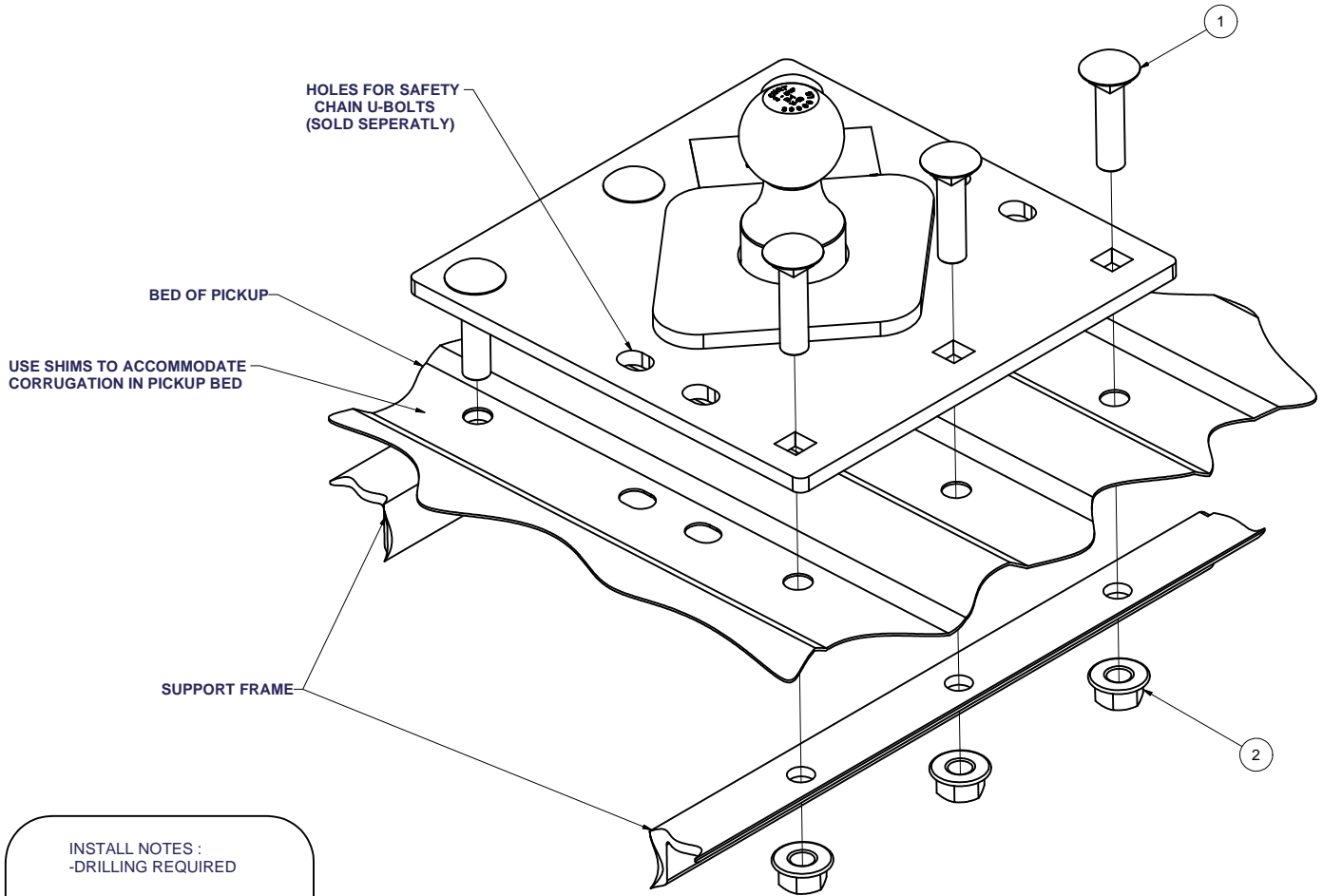


C-10 INSTALLATION INSTRUCTIONS

11/26/2007

GROSS LOAD CAPACITY WHEN USED AS A WEIGHT CARRYING HITCH: 30,000 LBS. TRAILER WEIGHT & 6,000 LBS. TONGUE WEIGHT.
DO NOT EXCEED VEHICLE MANUFACTURER'S RECOMMENDED TOWING CAPACITY.

Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	6	5/8-11 x 2 1/2	CARRIAGE BOLT
2	6	5/8-11	HEX FLANGE NUT



INSTALL NOTES :
-DRILLING REQUIRED

INSTALLATION STEPS

- 1) The hitch must be centered between the sides of the truck and about 2"- 6" in front of the rear axle for proper weight distribution.
- 2) Refer to Curt Install Kit Instructions.
- 3) Attach the flat plate hitch to either the bed plate support or the frame support using the 5/8" carriage bolts provided, drilling required to create holes for bolts and u-bolts (safety chains).

NOTE: Shims should be used to accommodate corrugation in pickup bed.

- 4) Install bolts and hex flange nuts.
- 5) Install safety chain attachments (sold seperately).
- 6) Torque all fasteners to 115 ft-lb.

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

Curt Manufacturing Inc., 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 Inc., 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 Inc.'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.

11/26/2007

DO NOT EXCEED YOUR VEHICLE'S RATED TOWING CAPACITY!

LOCATION

1. The hitch must be centered between the sides of the truck bed about 2"- 6" in front of the rear axle for proper weight distribution (Figure 1).

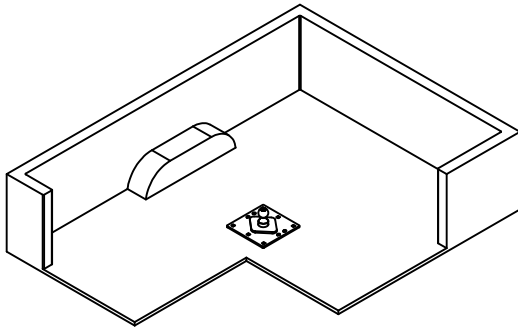


FIGURE 1

CAUTION: Remember to allow ample clearance between your trailer and the rear and cab corner of the truck bumper when making sharp turns.

2. Locate and mark the area for the center of the hitch ball.
3. Refer to Curt assembly kits for future installation instruction or select one of the methods described.

CAUTION: Check installation area for gas lines, brake lines, etc. before drilling any holes. It may be necessary to move assembly, but must keep ball 2"- 6" in front of center of the axle.

4. The hitch ball must be centered in the truck bed (Figure 2).

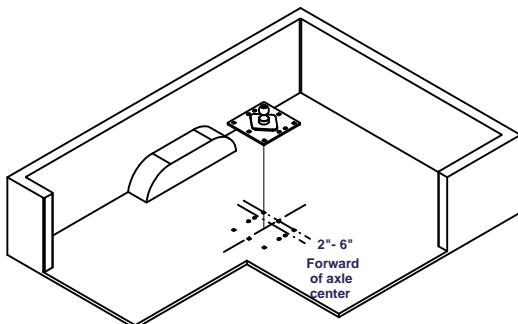


FIGURE 2

FLAT PLATE HITCH

5. To properly transfer towing forces and to avoid strength, the hitch ball must be supported by a proper method which ties the hitch ball to the truck frame. CURT Manufacturing suggests either of the following two methods:

CHECK ALL PARTS:
 (1) C-10 PLATE
 (6) 5/8-11 x 2 1/2" Gr.5 Carriage Bolts
 (6) 5/8-11 Flange Nuts

BED PLATE SUPPORT

The installer must make his/her own support consisting of a hot rolled steel plate, (3/8" x 26" x 40"), angle braces (2" x 2") and frame brackets (3/8" x 2"). (Figure 3)

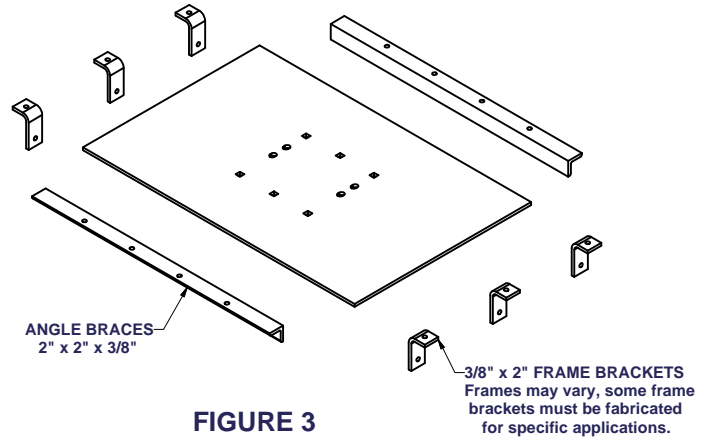


FIGURE 3

1. Center bed plate in the pickup bed. (Figure 4)

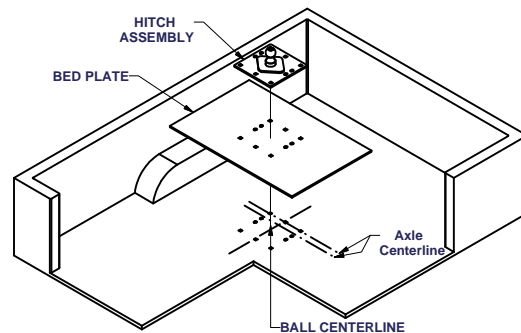


FIGURE 4

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- Using holes in the hitch assembly as a template, mark and drill 11/16" holes through the plate and bed to secure hitch to bed plate.
- Use 6 SAE grade 5, 5/8" carriage bolts and flange nuts to bolt the hitch ball assembly into the bed and through the plate. Shims should be used to accommodate corrugation in pickup bed.
- Tighten nuts to 115 lb-ft. torque.
- Attach angle braces to the underneath side of bed so bolts go through both the bed and the plate. If necessary, move angle braces forward or back to clear cross members.
- Drill 17/32" holes in front and rear of plate. (Figure 5)

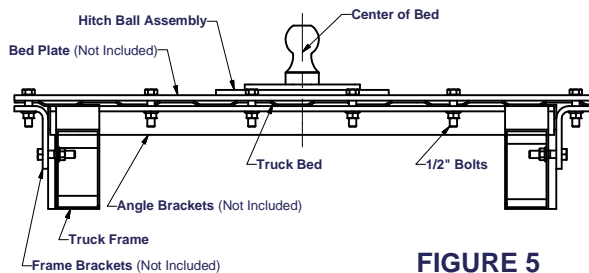


FIGURE 5

- Use 6 SAE grade 5, 1/2" bolts, nuts and lockwashers to attach angle braces to bed plate.
- Fabricate 6 frame brackets 2" x 3/8".
- Place brackets along each side of truck frame taking care to avoid cross members or other parts. Drill 17/32" holes through plate and bed. (Figure 5)
- Attach brackets to bed and plate with SAE grade 5, 1/2" bolts, nuts and lockwashers.
- Drill 17/32" holes through lower angles of brackets and through the truck frame. (Figure 5) Holes must be in center of truck frame.
- Bolt brackets to the frame with SAE grade 5, 1/2" bolts, nuts and lockwashers. (Not supplied)

CAUTION: Do not weld brackets to frame.

- Tighten all bolts to 75 lb-ft. torque.

FRAME SUPPORT

An alternative mounting method is the H-Frame support which consists of a steel frame and frame brackets. The steel bar for the framework should be at least 1/2" thick and 2" wide. The frame brackets should be 3/8" x 2".

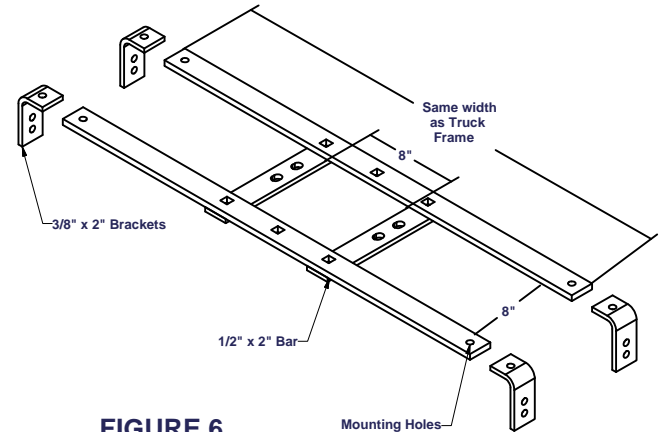
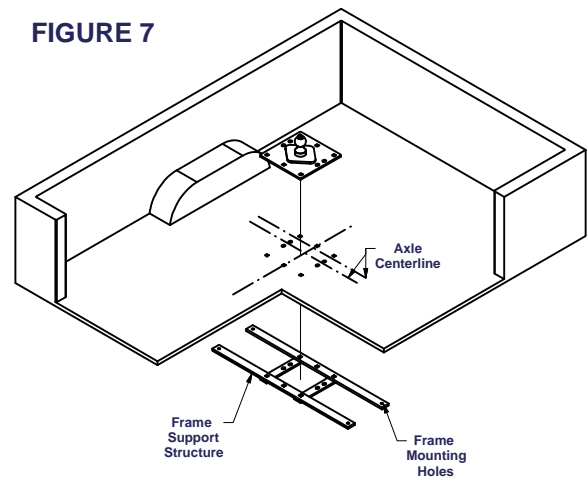


FIGURE 6

- Position hitch ball assembly in center of truck bed.
- Using the hitch ball assembly as a template, mark and drill 11/16" holes. (Figure 7)

FIGURE 7



- Place frame support structure underneath bed of truck and above truck frame. Align with hitch assembly. Use clamps to hold structure in place.
- Using holes previously drilled in truck bed as a guide, drill six holes in structure.

C-10 INSTALLATION INSTRUCTIONS

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- Using the SAE grade 5, 5/8" carriage bolts, nuts and lockwashers, attach the hitch ball assembly and the frame structure support to accommodate corrugation in pickup bed.

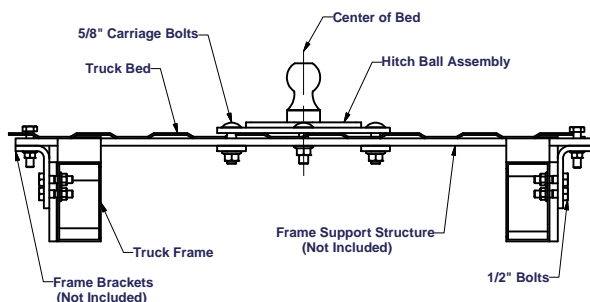


FIGURE 8

- Tighten to 115 lb-ft. torque.
- Fabricate four 3/8" x 2" steel frame brackets to fit your particular truck.
- Attach frame brackets to frame support structure and truck frame using SAE grade 5, 5/8" hex bolts, nuts, and lockwashers.
- Tighten to 115 lb-ft. torque.

WARNING: Do not weld brackets to frame, welding will not provide the strength needed for towing.

PARTS LIST:

- (1) C-10 Flat Plate Hitchball
- (6) 5/8-11 x 2 1/2" carriage bolts
- (6) 5/8-11 flange nuts
- (1) U-bolt kit (sold seperately)

INSTALLATION CHECK

Connect the trailer to the hitch ball. Check clearance. You should have about 6" clearance between bottom of trailer overhang and top of bed sides. Verify clearance between the vehicle, and the trailer at all corner locations.

MAINTENANCE

- Keep hitch ball greased regularly. Use wheel bearing grease to prevent wear and rust.
- Keep hitch assembly free of dirt and other foreign matter.
- Check tightness on all nuts and bolts before each use. Also check for excessive wear.
- Check for ball wear before each use. Do not tow trailer with worn or damaged parts.

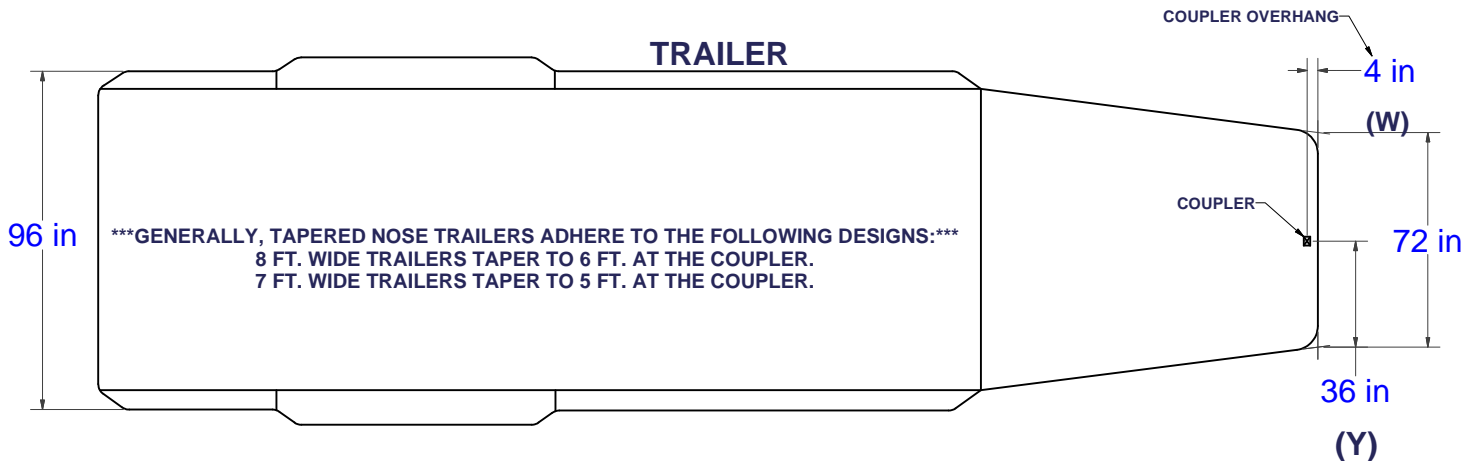
**Thank You For Patronizing an American Company.
See us at a local dealer for all of your
hitch and trailer supplies.**

CAB TO TRAILER CLEARANCE

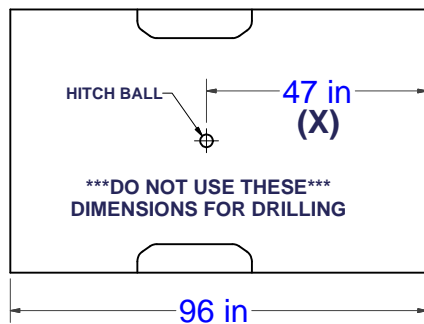
11/12/2007

REMOVAL OF REAR WINDOW ACCESSORIES MAY BE REQUIRED.

TRAILER

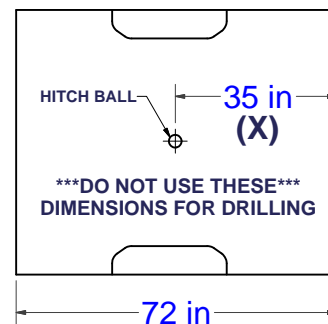


LONG & SHORT TRUCK BEDS



CAB OF TRUCK

DO NOT USE THESE
 DIMENSIONS FOR DRILLING



CAB OF TRUCK

DO NOT USE THESE
 DIMENSIONS FOR DRILLING

CLEARANCE CALCULATION

$$\begin{matrix} \text{(CAB TO BALL CENTER)} & - & 1/2 \text{ (TRAILER WIDTH)} & = & \text{(MINIMUM CLEARANCE)} \\ \text{(X)} & - & \text{(Y)} & = & \text{(Z)} \end{matrix}$$

IF THERE IS AN OVERHANG FROM THE COUPLER THEN THE EQUATION IS:

$$\text{[(X) - (W)]} - \text{(Y)} = \text{(Z)}$$

IF (Z) IS POSITIVE, TRAILER **WILL NOT** INTERFERE WITH CAB OF TRUCK.
 IF (Z) IS NEGATIVE, TRAILER **WILL** INTERFERE WITH CAB OF TRUCK!!!

EXAMPLE:

STANDARD TRAILER

$$X - Y = Z$$

$$35 - 36 = -1$$

(TRAILER **WILL INTERFERE** WITH CAB)

TRAILER WITH OVERHANG

$$\text{[(X) - (W)]} - Y = Z$$

$$[35 - 4] - 36 = -5$$

(TRAILER **WILL INTERFERE** WITH CAB)

YOUR CALCULATION:

(CAB TO BALL CENTER) _____

(COUPLER OVERHANG) _____

1/2 (TRAILER WIDTH) _____

(MINIMUM CLEARANCE) = _____