****DO NOT EXCEED RECOMMENDED VEHICLE TOWING WEIGHT!****

60702 (60610 & 60646) FORD SUPERDUTY GOOSENECK SUBKIT

3/5/2026

WARNING!! **BRAKE, FUEL, AND ELECTRICAL LINES MAY NEED TO BE LOOSENED OR REPOSITIONED TO PROVIDE CLEARANCE FOR NEW HARDWARE. ALL MODELS REQUIRE MODIFICATION OR REMOVAL OF HEAT SHIELDS. ON SHORT BED MODELS, CHECK FOR ADEQUATE TURNING CLEARANCE BETWEEN THE FRONT OF ALL TRAILERS AND THE TRUCK CAB. ON TWO WHEEL DRIVE TRUCKS A CLEARANCE CHECK MUST BE PERFORMED WHEN TRUCK IS LOADED AND UNLOADED TO VERIFY THE INVERTED BALL WILL NOT INTERFERE WITH THE TOP OF THE DIFFERENTIAL**

Hardware List

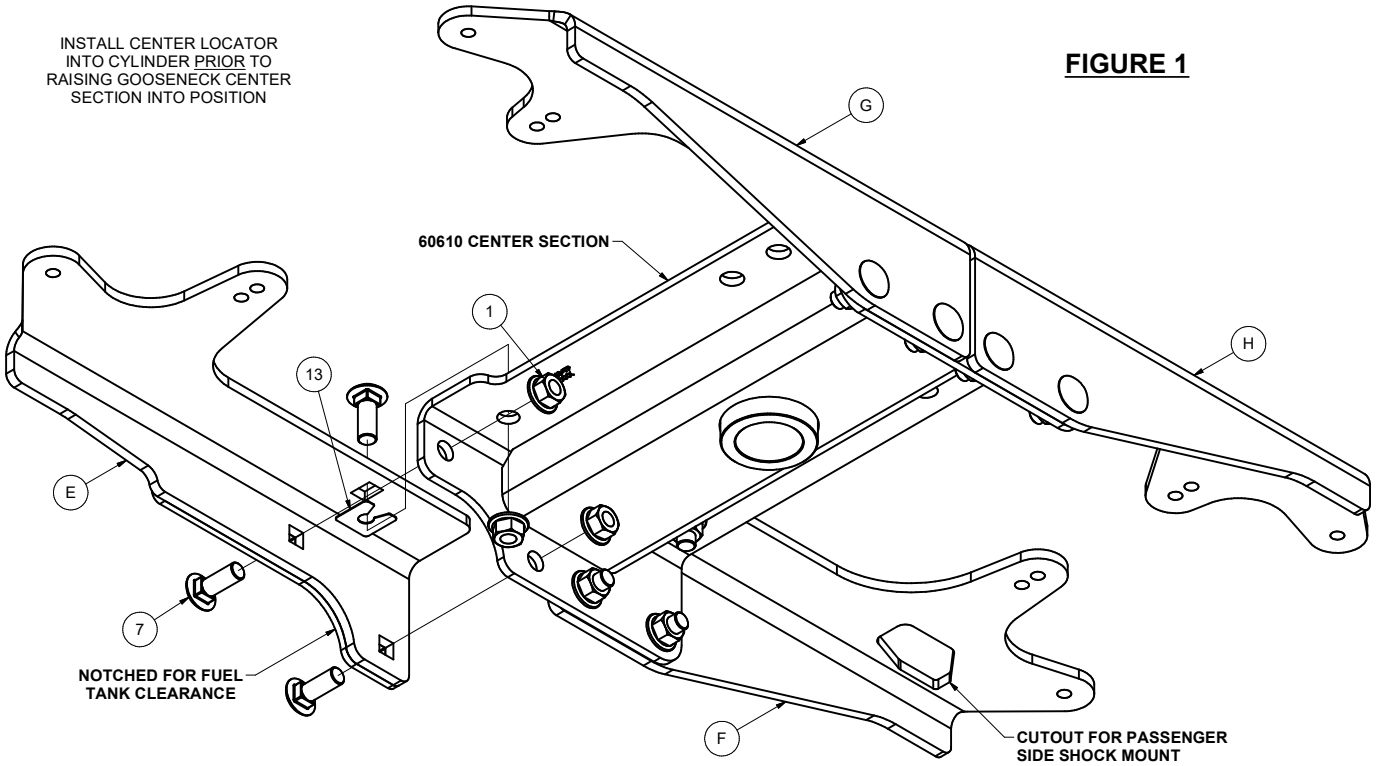
ITEM	QTY	PART NUMBER	DESCRIPTION
1	16	20-00105	NUT,SER-FLANGE,5/8-11 UNC,GRD8,YZ
2	4	10-10285	HHCS,5/8-11 UNC,4,GRD8,YZ
3	4	30-00131	WASHER,FLAT,5/8,YZ
4	8	10-10476	HHCS,9/16-12, UNC,1-1/2, GRD8,YZ
5	8	30-00164	WASHER,S-CON,9/16,YZ
6	8	CM-SP74	.313 x 1.50 x 3.00" 9/16" SQUARE HOLE SPACER
7	12	10-10292	BOLT,CAR,5/8-11 UNC,1-3/4,GRD8,YZ
8	4	CM-C113-UBS	U-BOLT SPRING
9	8	30-00185	WASHER,FLAT,M16,YZ
10	2	60651-UB	5/8" SQUARE U-BOLT
11	4	20-00135	NUT,CTR LOCK,5/8-18 UNF,GRDA,ZP
12	1	CM-UE1	.300" U-SHAPED EDGING
13	4	60651-BRC	BOLT RETAINER CLIP
14	4	CM-SP52	.500 x 1.25 x 2.50" ROUND HOLE SPACER
15	4	10-10500	HHCS,9/16-12 UNC,2,GRD8,YZ

Parts List

ITEM	QTY	PART NUMBER	DESCRIPTION
A	1	60646-DS	DRIVER SIDE PLATE
B	1	60646-PS	PASSENGER SIDE PLATE
C	1	60646-DS2	DRIVER SIDE PLATE 2
D	1	60646-PS2	PASSENGER SIDE PLATE 2
E	1	60646-DSFWA	DRIVER SIDE FRONT WELDMENT
F	1	60646-PSF	PASSENGER SIDE FRONT PLATE
G	1	60646-DSR	DRIVER SIDE REAR PLATE
H	1	60646-PSR	PASSENGER SIDE REAR PLATE
I	1	60614-CL	CENTER LOCATOR / TRIM SHIELD

INSTALL CENTER LOCATOR INTO CYLINDER PRIOR TO RAISING GOOSENECK CENTER SECTION INTO POSITION

FIGURE 1



SUBKIT WEIGHT: 97 LBS.

INSTALL TIME

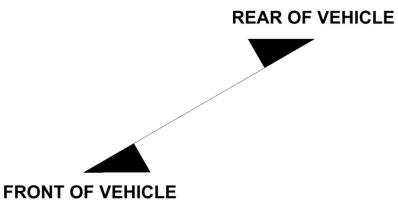
PROFESSIONAL: 75 MINUTES

NOVICE (DIY): 150 MINUTES

INSTALL NOTES:

- **NO FRAME DRILLING REQUIRED**
- **NO MEASURING DRILL LOCATIONS**
- **NO LOWERING EXHAUST OR SPARE REQUIRED**

TOOLS REQUIRED
RATCHET
TORQUE WRENCH
18" OF SOCKET EXTENTIONS
13/16" AND 15/16" SOCKETS
DRILL
3/16", 11/16", 3/4" DRILL BITS
3 1/4" HOLE SAW
CUTTING FLUID
RUST INHIBITOR
EAR AND EYE PROTECTION



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

Scan for more information

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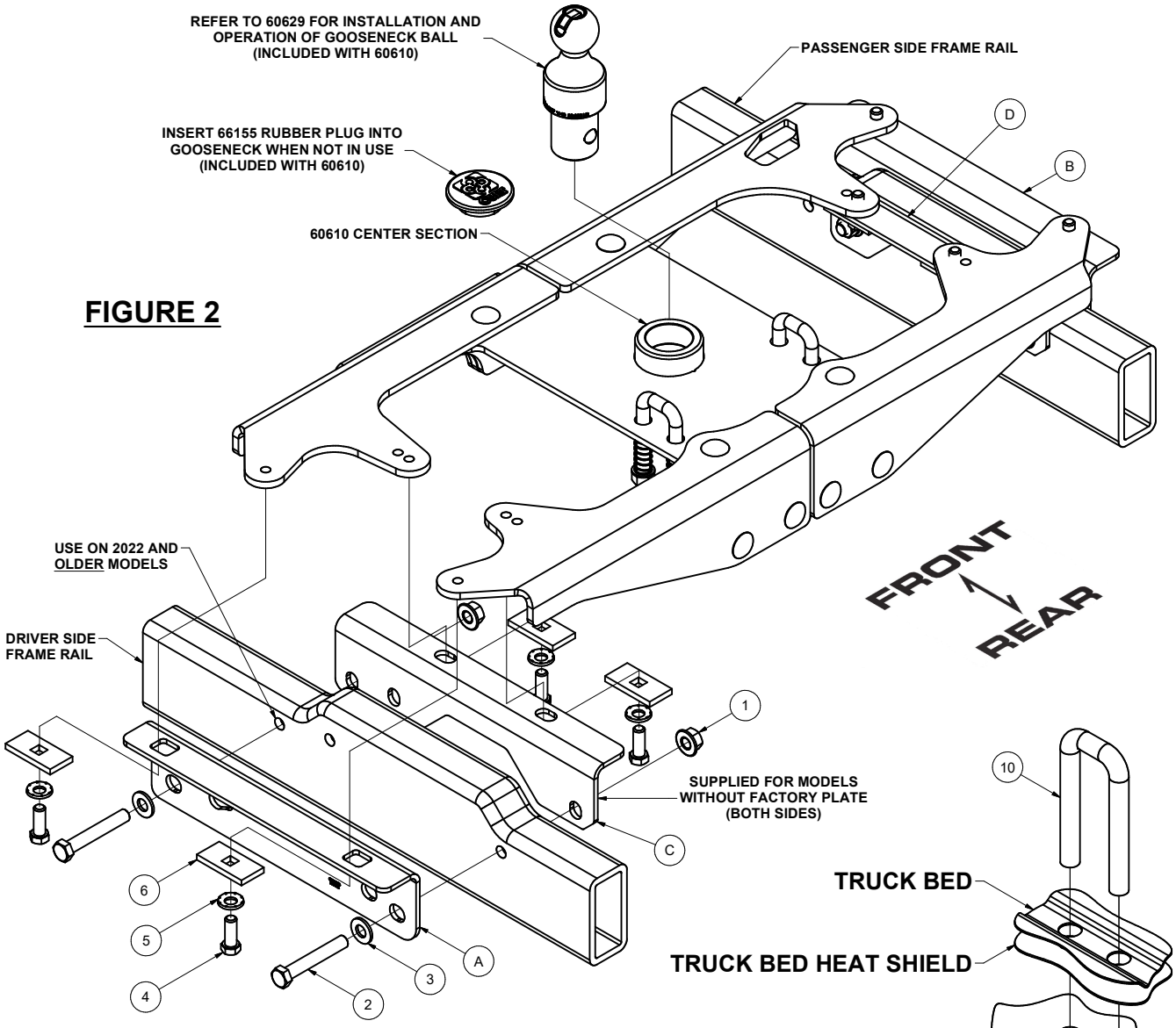
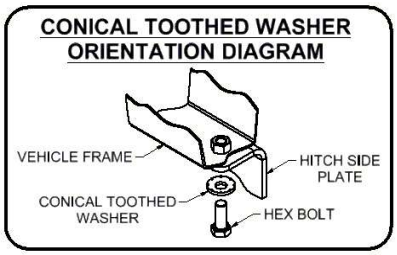


FIGURE 2

FIGURE 3



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

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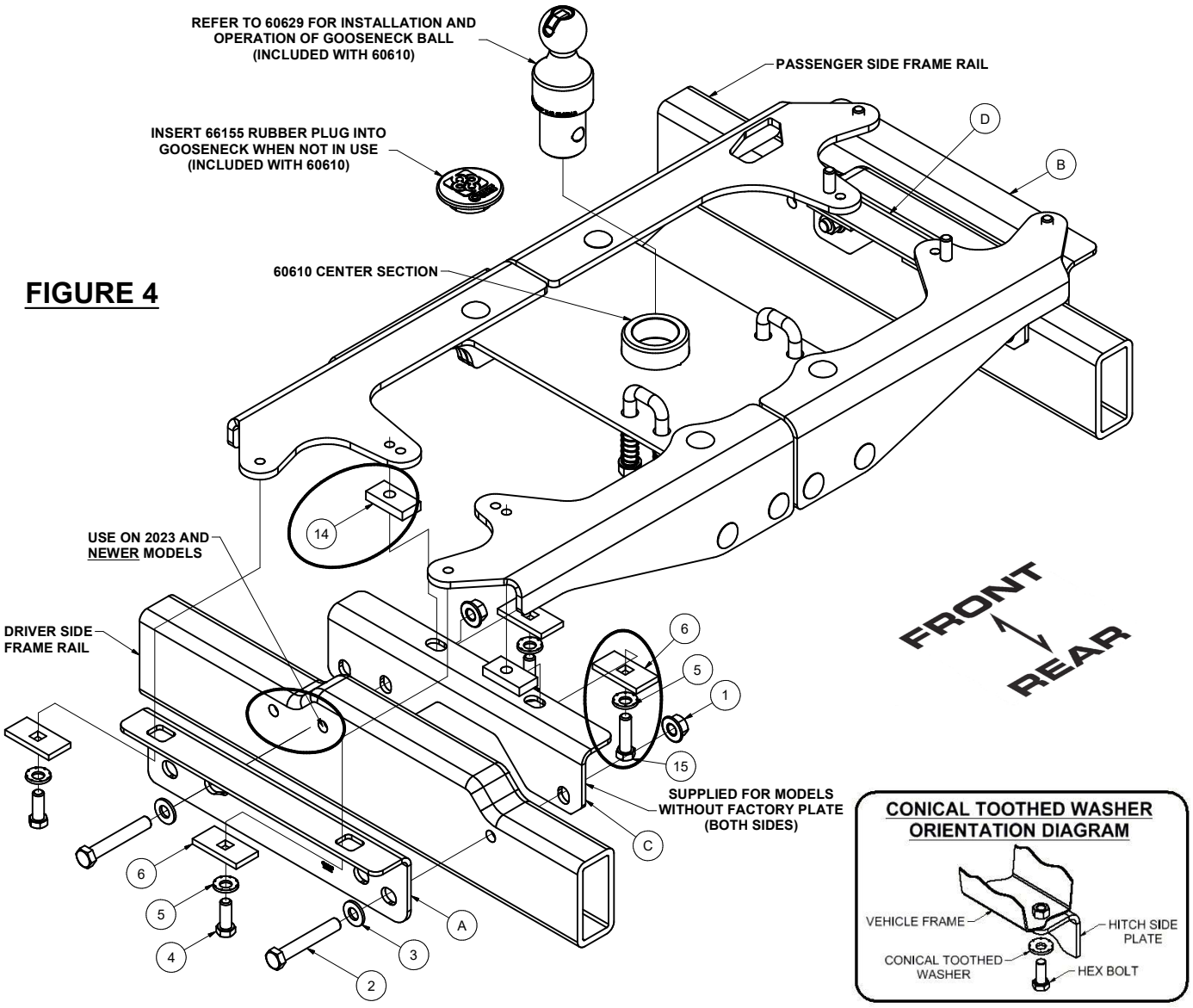
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NOTE: THE BELOW DIAGRAM IS FOR 2023 AND NEWER MODELS WITH INNER MOUNTING PLATES WELDED TO THE VEHICLE FRAME RAILS. SEE HIGHLIGHTED BELOW.

FIGURE 4



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INSTALLATION STEPS

1. Removing the spare tire may aid in installation but is not required.

2. From under the truck loosely install the frame attachment plates (items A, B, C, and D in the parts list) to the frame as shown in **FIGURE 2** or **FIGURE 4** for 2023 and newer with welded inner frame attachment plates.

   NOTE: On newer models, a 3/4" hole may need to be drilled into the side plates (on older kits) so the mounting hardware passes through frame holes containing a stiffener sleeve. Refer to page 7 for a drill template to locate the holes. Make sure both frame mounting holes have inner sleeves.

3. Place (1) 5/8" carriage bolt into the top mounting hole of each center attachment plate (items E, F, G, and H in the parts list) and secure with (4) 60651-BRC (item 13). Referring to **FIGURE 1**, place the center attachment plates into position. Loosely install the 9/16" hex bolts, conical lock washers and spacers as shown in **FIGURE 2** except for item E, the driver side front center attachment plate. Leave Item E loose so it can be aligned with the center section in step 5. Use CM-SP52 spacers with longer 9/16" hex bolts on 2023 and newer models with welded inner plates as show in **FIGURE 4**.

Note: the location and orientation of each center attachment plate.

4. Raise the 60610 Center Section between the drive shaft and the exhaust on the passenger side of the vehicle in front of the rear axle if the spare was not lowered. Next, slide item E toward the center of the vehicle to allow the vertical 5/8" carriage bolt to align properly with the center section. Once aligned slide both the plate and center section back over the fuel tank so that the fuel tank bracket straddles the assembly. Install the remaining supplied 9/16" hex bolts, conical lock washers and spacers from step 3.

5. Align the 5/8" carriage bolts in the center attachment plates with the rectangular holes. Make sure the notched corner of the center section is positioned over the fuel tank. Loosely install the supplied 5/8" hex flange nuts.

6. Push the center section up to the bottom of the truck bed and insert the remaining 5/8" carriage bolts as shown in **FIGURE 1**. Install remaining 5/8" hex flange nuts. Center the gooseneck cylinder on vehicle as close as possible.

7. Torque all 9/16" fasteners to 150 lbs.-ft. and all 5/8" fasteners to 212 lbs.-ft.

8. Using the a 3/16" drill bit, drill through the center locator guide from below the bed of the truck. Move to above the truck and drill a 3 1/4" hole through the bed of the truck using a hole saw. Install the CM-UE1 rubber edge trim around the edge of the cut hole and trim to length.

9. Using the center section as a template, drill the 4 holes needed through the heat shield and truck bed for the safety chains using an 11/16" drill bit. Note drilling a small pilot hole prior to the 11/16" hole will ease this process. Drill must be perpendicular to the heat shield and bed.

10. Install the safety chain U-bolt assemblies as shown in **FIGURE 3**, ensure they sit flat when in the lower position and slide easily without binding. Enlarge holes as needed for proper operation. Deburr holes and spray exposed metal with rust inhibitor. The nuts should be tightened until flush with the bottom of the U-bolt.

11. Reinstall the spare tire if removed in step 1.

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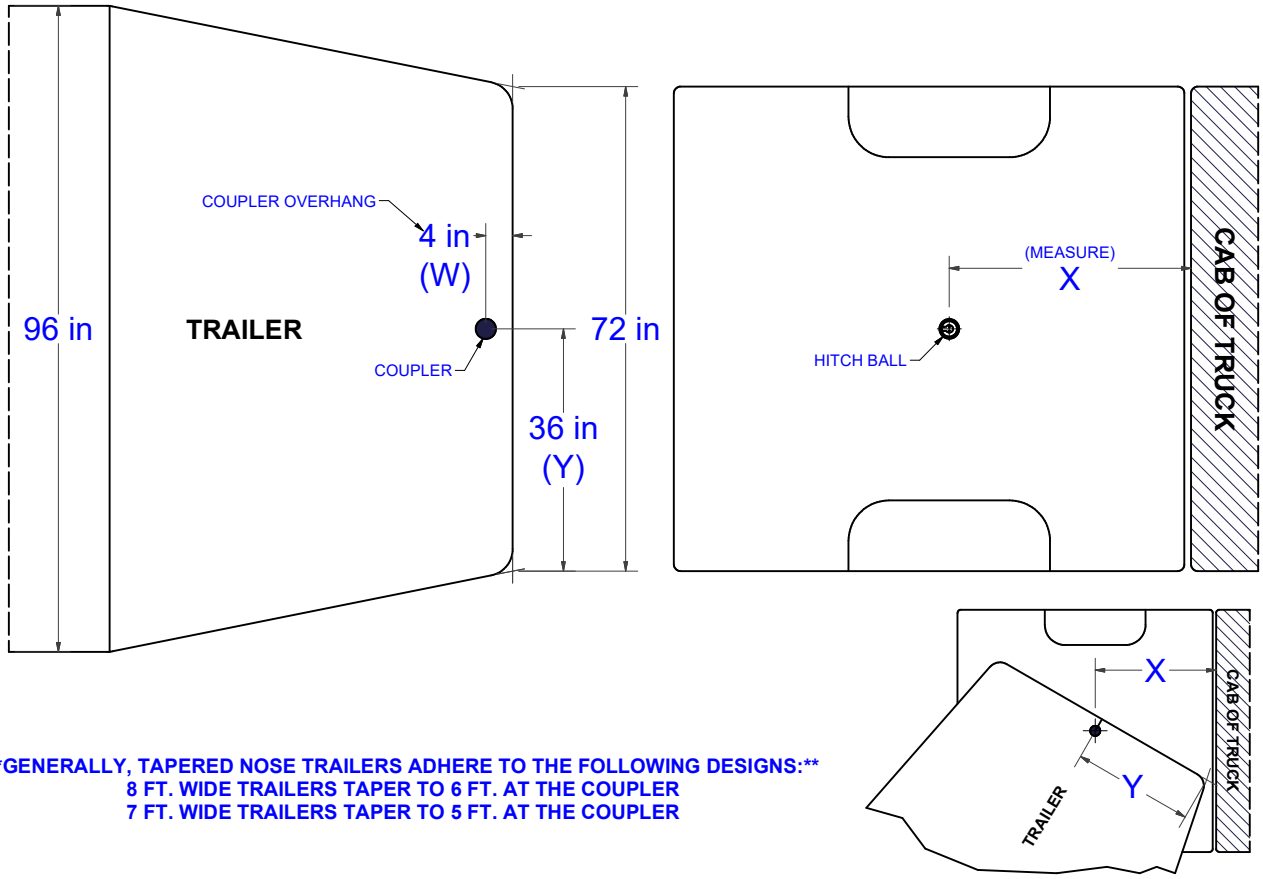
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CAB TO TRAILER CLEARANCE

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HAVING INSTALLATION QUESTIONS? CALL TECHNICAL SUPPORT AT 1-800-798-0813

****REMOVAL OF REAR WINDOW ACCESSORIES MAY BE REQUIRED****



****GENERALLY, TAPERED NOSE TRAILERS ADHERE TO THE FOLLOWING DESIGNS:****
8 FT. WIDE TRAILERS TAPER TO 6 FT. AT THE COUPLER
7 FT. WIDE TRAILERS TAPER TO 5 FT. AT THE COUPLER

CLEARANCE CALCULATION

(CAB TO BALL CENTER) - 1/2 (TRAILER WIDTH) = (MINIMUM CLEARANCE)
(X) - (Y) = (Z)

IF THERE IS AN OVERHANG FROM THE COUPLER THEN THE EQUATION IS:
[(X) - (W)] - (Y) = (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
[(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) _____

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BEFORE TOWING THE FIRST TIME:

- Verify adequate turning clearance between the truck cab / box corners and trailer(s).
- Check truck box clearance. There should be a minimum clearance of 6" between the bottom of the trailer(s) overhang and the top of the box sides.
- Verify all hardware is torqued to the proper specification.
- Verify the trailer safety chain length. Too much slack in the chain may prevent maintaining control in the event of separation. Leave only enough slack to allow full turning without interference.
- Verify the trailer attachments to the safety chain loops are secure (cannot be shaken free during towing).

MAINTENANCE:

- Keep gooseneck ball, receiver, and trailer coupler lubricated regularly. Use silicone spray or equivalent to prevent wear / rust.
- Keep gooseneck ball, receiver, and trailer coupler free of dirt and other foreign debris.
  Note: Failure to maintain your towing system could result in poor performance and/or catastrophic failure.

BEFORE TOWING EVERY TIME:

- Ensure all fasteners are tight and that all structural components are sound.
  Note: Do not tow trailer with worn or damaged parts.
- Attach trailer securely to safety chain loops.
- Ensure the trailer weight does not exceed any part of your towing system. Be sure load is heavier towards front of the trailer while not exceeding the hitch tongue weight. Be sure trailer load is secured to prevent shifting and centered from left to right. **Note:** Never load the trailer heaver behind the trailer axle(s).
- Check tires to ensure they are inflated to the proper specification. Follow vehicle and trailer recommendations.
- Verify trailer lights, electric brakes, and breakaway switches are working properly.

WARNING!!

- Vehicle performance (braking, handling, acceleration, turning radius) can be drastically affected by the trailer. Allow additional time / space for stopping, changing lanes, passing and turning.
- Do not tow more than one trailer at a time. This may cause loss of control.
- Severe bumps can damage your towing system. Avoid or drive slowly over rough terrain.

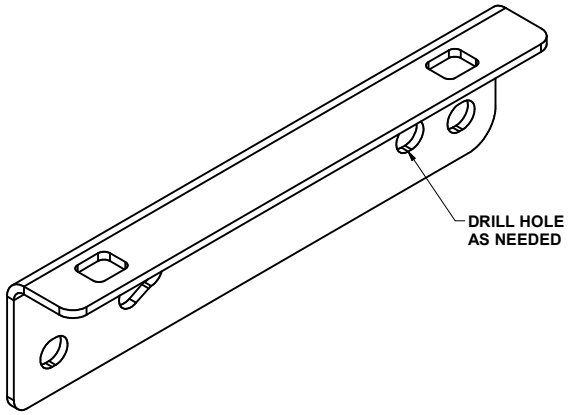
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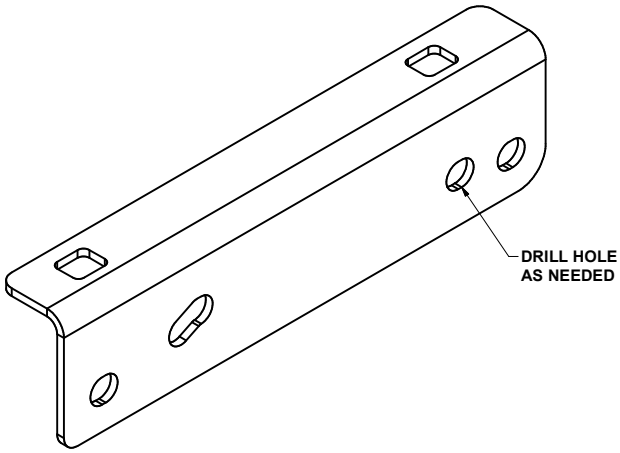
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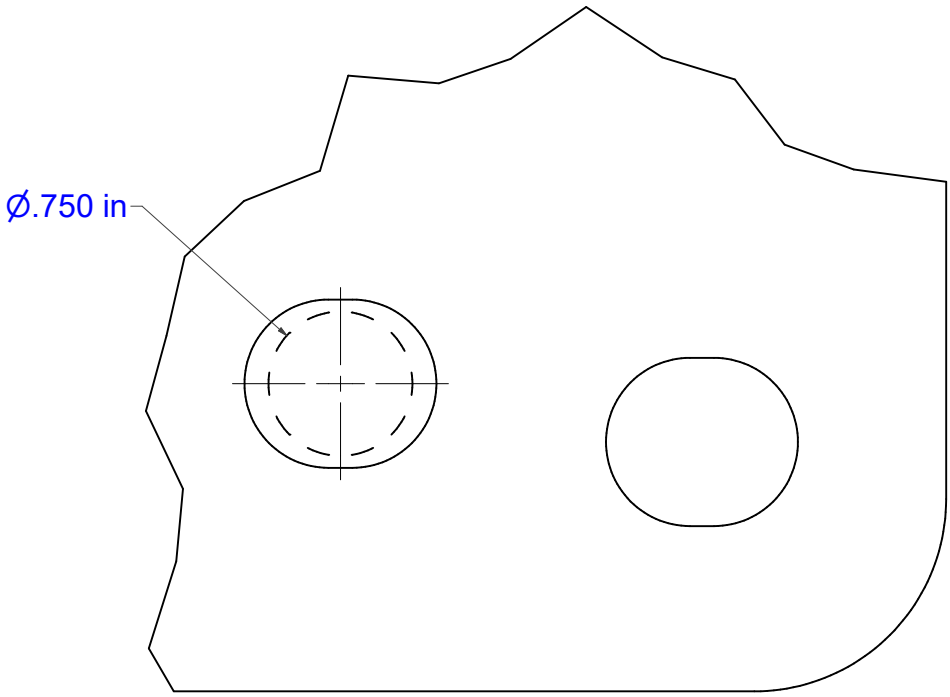
DRIVER SIDE PLATE



PASSENGER SIDE PLATE

DRILL TEMPLATE

ALIGN WITH PLATE TO MARK HOLE LOCATION
THEN DRILL WITH 3/4" DRILL BIT



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