

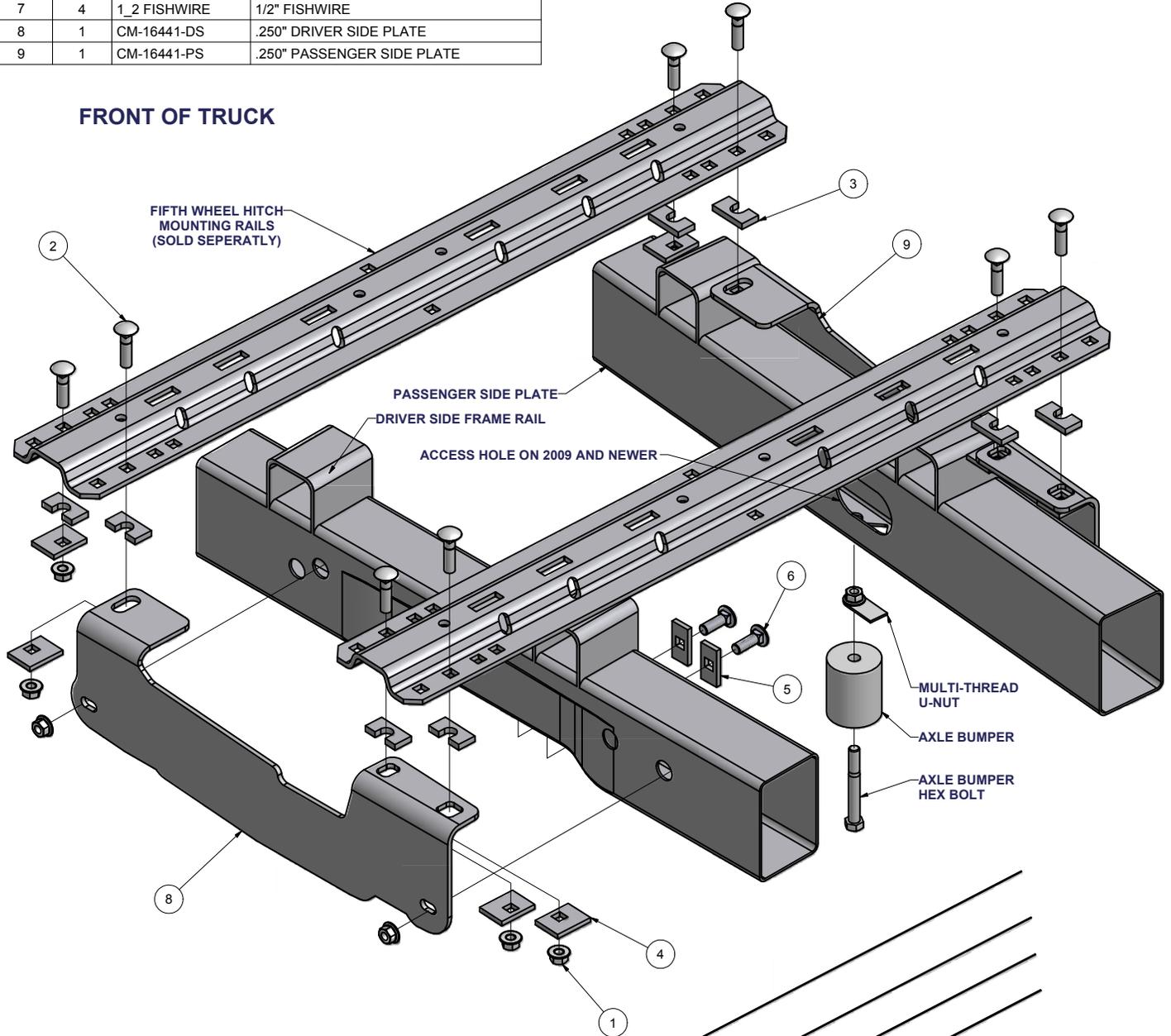
**16441 FORD F-150 6.5' AND 8' BOX**

**\*\*\*DO NOT EXCEED VEHICLE MANUFACTURER'S RECOMMENDED TOWING CAPACITY.\*\*\***

Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	12	HFN 1213	HEX FLANGE NUT
2	8	1/2 - 13 x 2"	CARRIAGE BOLT
3	8	CM-SP136	.313" x 1.00 x 2.00" U-SHAPE SPACER
4	8	CM-SP33	.250 x 1.50 x 2.00" SQUARE HOLE SPACER
5	4	CM-SP12	.250 x 1.00 x 2.00" SQUARE HOLE SPACER
6	4	1/2-13 x 1 1/2	CARRIAGE BOLT
7	4	1_2 FISHWIRE	1/2" FISHWIRE
8	1	CM-16441-DS	.250" DRIVER SIDE PLATE
9	1	CM-16441-PS	.250" PASSENGER SIDE PLATE

DRILL APPLICATION : NO  
APPROX. INSTALL TIME: 100 MIN.  
OTHER NOTES:  
LOWER SPARE TIRE, REMOVE AXLE BUMPER BOLT,  
AXLE BUMPER, AND MULTI-THREAD U-NUT (BOTH  
SIDES)

**FRONT OF TRUCK**

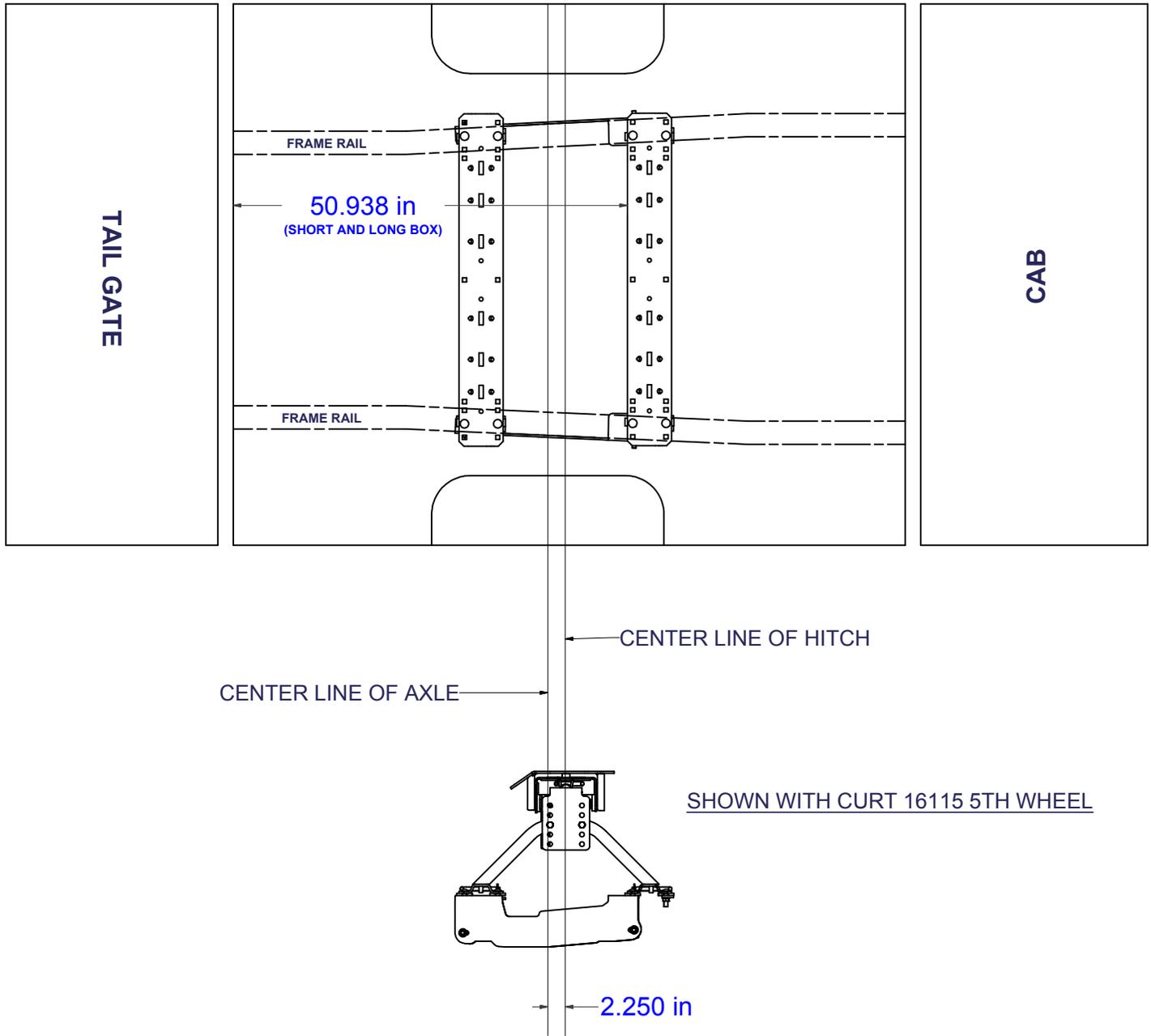


REMOVE THE AXLE BUMPER, MULTI-THREAD U-NUT,  
AND AXLE BUMPER HEX BOLT TO USE LARGE  
ACCESS HOLE IN BOTTOM OF FRAME RAIL (BOTH  
SIDES) RE-INSTALL AFTER KIT INSTALLATION

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.

**RAIL LOCATION DIAGRAM**

**!!IMPORTANT!**  
 SYSTEM MAY NOT WORK WITH  
 2003 AND EARLIER COMPETITOR  
 PRODUCTS





16441

FORD F-150 6.5' AND 8' BOX

**!WARNING!**

- Do not install mounting rails over plastic bed liners. Plastic liners must be trimmed for metal-to-metal contact. May be installed on spray in liner.
- Use only supplied fasteners for installation.
- Before installing hitch measure to be sure there will be enough clearance between the truck and trailer to allow for turns.
- During drilling protect the fuel tank and filler tubes, brake lines and wire harness by placing a piece of metal between the box floor and potential components at risk on the driver's side. This will prevent drilling into these items.

- 1) Lower and remove spare tire.

**Note:** If installing on a 2009 or newer skip to Step 3, access hole is on the side of frame rails.

- 2) Remove the axle bumper bolt, axle bumper, and multi-thread u-nut from the under side of the frame on driver side and passenger side of the vehicle. Keep the axle bumpers and hardware for later re-installation.
- 3) Place one mounting rail in the box of the truck, using your tape measure, center the rail between the weld seams on the length of the truck box floor and the proper distance from the rear edge of the truck box as shown on the "rail location diagram" page.
- 4) Mark and center punch the holes as per the illustrations. Move the rail out of the way and drill each position with a 1/8" drill bit.

**Warning:** When drilling holes be aware of potential risks to vehicle components and make appropriate safe guards to protect them from damage.

- 5) Temporarily position the side plate on the outside of the frame and check that the 1/8" drilled holes align with the slots of the side plate. Remove the side plate from the vehicle.
- 6) Enlarge the 1/8" drilled holes to 9/16" with a step drill.

**Warning:** When drilling holes be aware of potential risks to vehicle components and make appropriate safe guards to protect them from damage.

- 7) Loosely install the side plates using the appropriate hardware and tighten hand tight. Starting with the front mounting hole first, insert the head of the fishwire through the 1" mounting hole on the side of the truck frame and out through access hole. Slide the spacer over the fishwire head and attach the 1/2" x 1 1/2" carriage bolt. Pull the other end of the fishwire until into position. Place the side plate into the bolt and install the 1/2" hex flange nut. Repeat process for other hole in the side plate.
- 8) Reposition the mounting rail over the holes.
- 9) Install the 1/2" x 2" carriage bolts with the U-shaped spacer to be located in the corrugation between the box and the mounting rail. This ensures a metal to metal contact. Attach with spacers and flange nuts as per the illustrations and tighten snug to keep the mounting rail from moving.

- 10) Place the unassembled 5th wheel / roller / gooseneck hitch into the already installed mounting rail. Position the second mounting rail with the 5th wheel / roller / gooseneck hitch by inserting the tabs into the mounting rail and pushing the mounting rail tight towards the other mounting rail. Ensure that the mounting rail is centered between the weld seams on the length of the truck box floor. This will position the mounting rail in the correct location and ensure that the 5th wheel will have a snug fit to the truck.

**Note:** If more than one hitch product will be used with the rails then both should be used at the same time to align the second rail. This will ensure that one product does not compromise the fit of the other.

- 11) Repeat steps 4, 6, and 9.
- 12) After fully installing the passenger and driver side plats, tighten the fasteners in the following sequence. Torque all 1/2" fasteners to 110 lb-ft. Torque first the mounting rails to the side plates and then torque the side plates to the truck frame.
- 13) If removed re-install the multi-thread U-nuts, axle bumpers and the axle bumper hex bolts back onto the truck frame.
- 14) Re-install spare tire.