

16421 2009-PRESENT DODGE RAM 1500 (EXCLUDING CREW CAB AND MEGACAB)

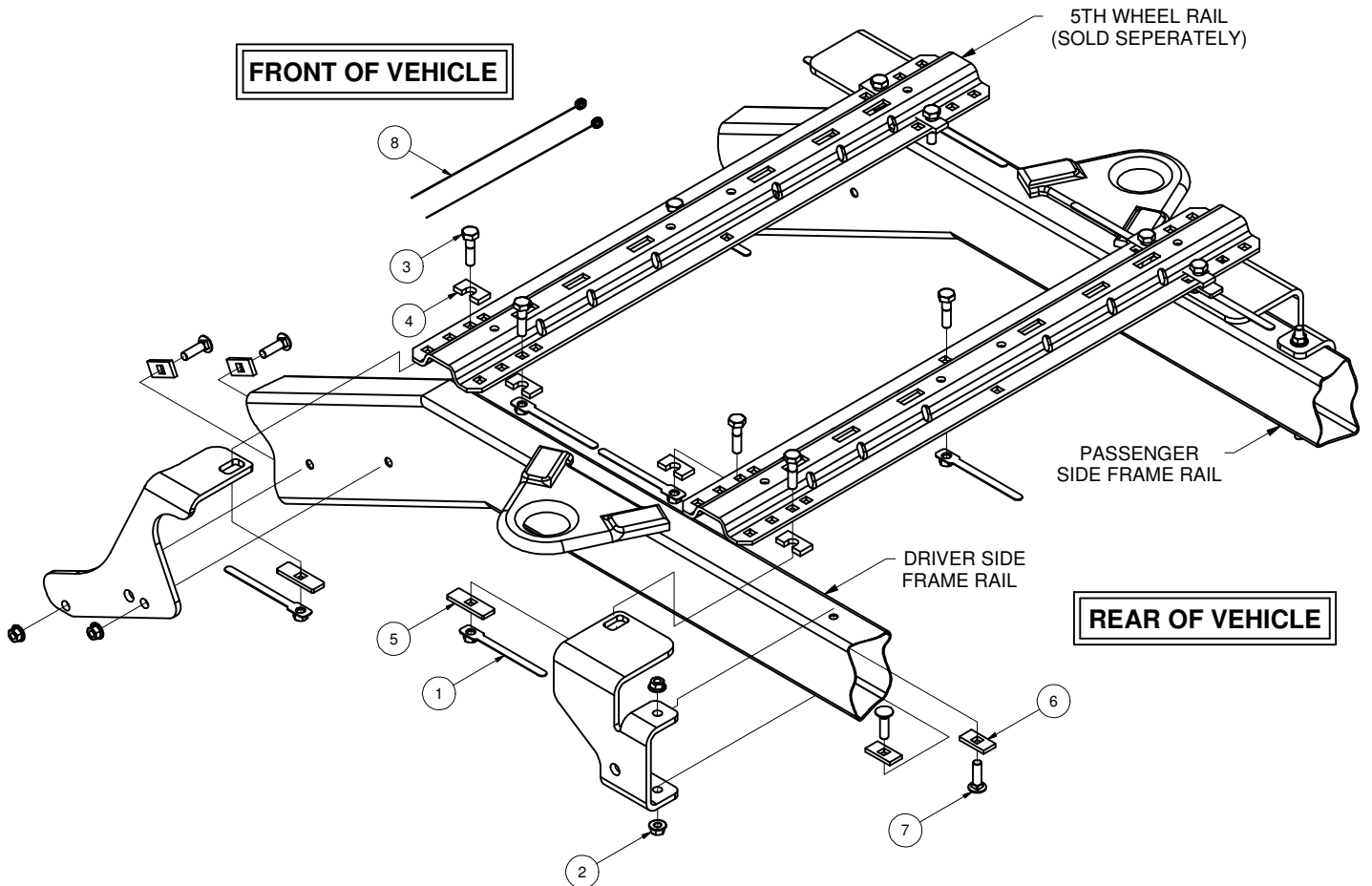
3/4/2009

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***** DO NOT EXCEED VEHICLE MANUFACTURER'S RECOMENDED TOWING CAPACITY *****

Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	10	1/2-13	HANDLE NUT
2	8	HFN 1213	HEX FLANGE NUT
3	10	1/2-13 x 2"	HEX BOLT
4	8	CM-SP136	.313" x 1.00 x 2.00" U-SHAPE SPACER
5	4	CM-SP6	.250 x 1.00 x 3.00" SQUARE HOLE SPACER
6	8	CM-SP12	.250 x 1.00 x 2.00" SQUARE HOLE SPACER
7	8	1/2-13 x 1 3/4"	CARRIAGE BOLT
8	2	1_2 FISHWIRE	1/2" FISHWIRE

TOOLS REQUIRED
3/4" AND 7/8" WRENCHES
1/8" AND 9/16" DRILL BITS
3/4" AND 7/8" SOCKETS
RATCHET
TORQUE WRENCH
DRILL
CENTER PUNCH
TAPE MEASURE



WEIGHT: 39 LBS.
 INSTALL TIME: 90 MINUTES
 INSTALL NOTES:
 - DRILLING REQUIRED
 - FISHWIRE HARDWARE

FISHWIRE TECHNIQUE

INSERT COILED END OF FISHWIRE TOOL THROUGH HITCH MOUNTING HOLE IN VEHICLE FRAME RAIL AND OUT THE ACCESS HOLE. PASS COILED END OF FISHWIRE THROUGH SPACER AND THREAD BOLT INTO COIL. KINK WIRE TO KEEP SPACER SEPERATE FROM BOLT AS SHOWN. PULL FISHWIRE, SPACER, AND BOLT THROUGH FRAME AND OUT MOUNTING HOLE. USE FISHWIRE TO GUIDE HITCH DURING MOUNTING AND PREVENT LOSS OF BOLT / SPACER INSIDE FRAME RAIL.

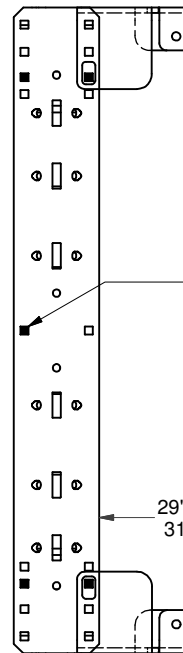
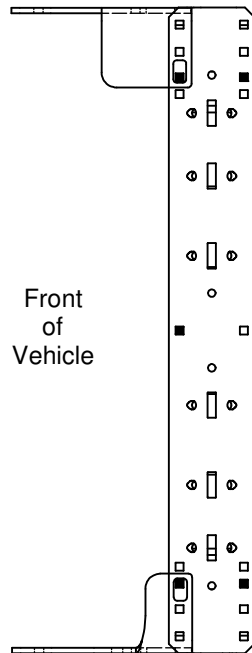
****NOTE: SOME VEHICLES MAY FISHWIRE THROUGH END OF FRAME****

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WARNING:

- Do not install mounting rails over plastic bed liners. Plastic liners must be trimmed for metal to metal contact. (Mounting rails may be installed on spray on liner.)
- Use only supplied fasteners for installation.
- Before installing mounting rails and hitch, measure to be sure there will be enough clearance between the truck and trailer to allow for turns.

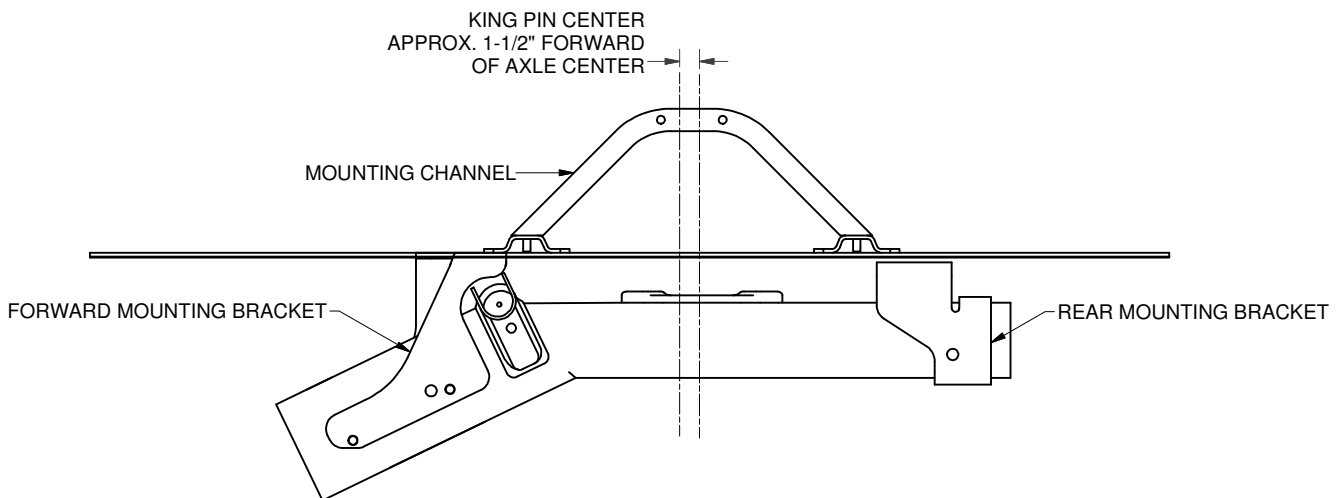
1. These instructions are guidelines only, actual installation is the responsibility of the installer and the owner. Always measure truck and trailer before installing hitch to be sure there is clearance at the cab and at the bumper to allow for turns.
2. On the driver's side frame rail, temporarily remove the forward and rearward hex nuts and ground wires attached to the vehicle frame.
3. Remove the spare tire.
4. Place the rearward mounting rail in the bed of the vehicle. Center the rail on the floor of the truck bed and use your tape measure to locate the proper distance from the rail to the rear edge of the truck box as illustrated on page 3.
5. Use a center punch to mark the holes in the rail per the illustration. Move the rail out of the way and drill each position with a 1/8" drill bit. **Note: On the driver's side of the vehicle the gas tank is located below the bed of the vehicle. When drilling the holes through the bed be sure not to damage the fuel tank.**
6. Temporarily position the frame brackets on the sides of the frame and check that the 1/8" drilled holes align with the slots in the frame brackets. Remove the frame brackets from the vehicle.
7. Enlarge the 1/8" drilled holes to 9/16" with a drill.
8. Fasten the frame brackets to the vehicle frame rails with 1/2" hardware as shown on page 1. The rail mounting flange on the forward frame brackets should be positioned in front of the forward bed hat section. The rearward mounting flange on the rear frame brackets should be positioned next to the rearward edge of the rearward bed hat section.
9. Reposition the mounting rail over the holes in the bed and fasten the mounting rail to the frame brackets using the supplied 1/2" hardware. Use the supplied U-shaped spacers between the frame bracket or mounting rails and the truck bed to ensure metal to metal contact.
10. Place the unassembled 5th wheel mounting channels into the already installed mounting rail. Position the mounting channels in the forward mounting rail 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 on the bed of the vehicle. This will position the 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 mounting rails then both types should be used at the same time to align the rearward mounting rail. This will ensure that one product does not compromise the fit of the other.**
11. Use a center punch to mark the holes in the forward rail per the illustration. Move the rail out of the way and drill each position with a 1/8" drill bit. Enlarge the 1/8" drilled holes to 9/16". Reposition the mounting rails over the holes drilled in the bed.
12. Install remaining hardware through the mounting rails and brackets and secure as shown.
13. Torque all 1/2" fasteners to 75 ft-lbs (102 N*M), starting with the hex bolts that fasten the rails to the frame brackets, torque all the nuts. Torque the hex bolts positioned in the center of the rails. Torque the fasteners that attach the frame brackets to the vehicle frame.
14. Re-install the ground wires removed in installation step 4. Re-install spare tire.



DRILL (2) CENTER HOLES SHOWN IN ADDITION TO (8) HOLES FOR MOUNTING PLATES AND OTHER HARDWARE. INSTALL 1/2" CARRIAGE BOLTS AND U-SHAPED SPACERS ABOVE OR BELOW BED TO FILL BED CORRUGATIONS AND BOLT PLATE BELOW BED WITH WASHERS AND NUTS.

29" SHORT BOX
31" LONG BOX

REAR EDGE OF TRUCK BED BED (NOT TAILGATE)



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

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