



B&W Trailer Hitches

1216 Hawaii Road / PO Box 186

Humboldt, KS 66748

P:620.473.3664

F:620.473.3766

NOTE: *we recommend reading instructions before beginning the installation.*

Heavy Duty Receiver Hitch Installation Instructions

Model HDRH25132

Call or Email us for Installation Support

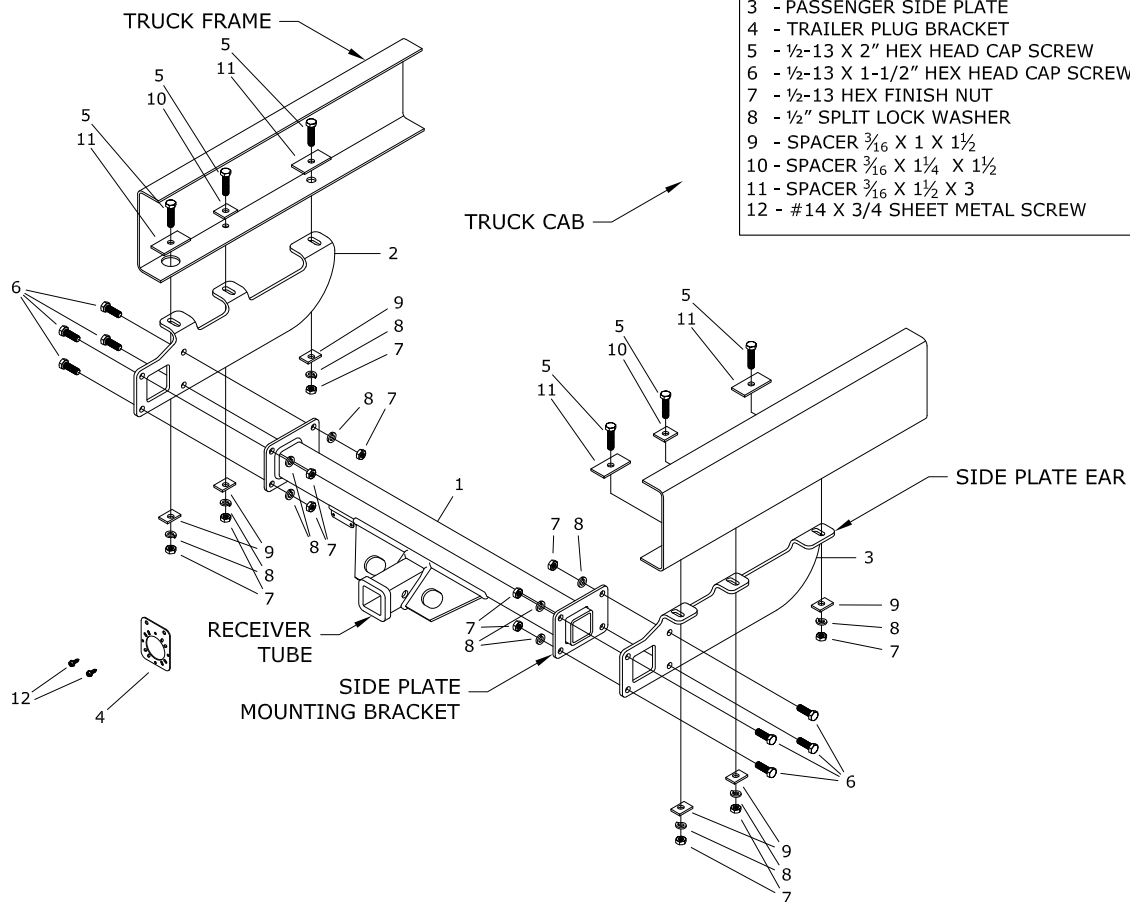
hitches@turnoverball.com

www.turnoverball.com

Vehicle Make and Years

1994-2002 Dodge 3/4, and 1 Ton trucks with factory bumper

1994-2001 Dodge 1/2 Ton Trucks with factory bumper



PARTS LIST

ID	DESCRIPTION	QUANTITY
1	- HITCH CENTER SECTION	1
2	- DRIVER SIDE PLATE	1
3	- PASSENGER SIDE PLATE	1
4	- TRAILER PLUG BRACKET	1
5	- 1/2-13 X 2" HEX HEAD CAP SCREW	6
6	- 1/2-13 X 1-1/2" HEX HEAD CAP SCREW	8
7	- 1/2-13 HEX FINISH NUT	14
8	- 1/2" SPLIT LOCK WASHER	14
9	- SPACER 3/16 X 1 X 1 1/2	6
10	- SPACER 3/16 X 1 1/4 X 1 1/2	2
11	- SPACER 3/16 X 1 1/2 X 3	4
12	- #14 X 3/4 SHEET METAL SCREW	2

BEFORE INSTALLING

WARNING

Although this hitch contains a V-5 rating of 16,000 lb. WC, the tow vehicle manufacturers recommended towing capacities should under NO circumstances be exceeded.

WARNING

B&W Receiver Hitches are designed to fit vehicles as produced by the factory. Any equipment or accessories added to the vehicle may affect the fit of the hitch. B&W will not warranty the hitch if any alterations are made during the installation process. Occasionally there are rare vehicle options that may prohibit the hitch from installing properly. Please contact the manufacturer for support if this is the case.

WARNING

Always use safety chains while towing. Crossing the safety chains under the tongue of trailer may prevent some damage to the trailer if detachment occurs.

WARNING

Periodically inspect hitch, making sure that all fasteners are tightly secured.

BEFORE INSTALLING

This receiver hitch may require slight modification to the frame or other structure of the vehicle such as drilling or relocating equipment so that the hitch may be installed in the proper location. It is very important to make sure that you have the correct hitch for your application before any modifications to the vehicle are made.

Remove spare tire before installation. This will provide easier access to the frame. Be sure that the vehicle frame where the hitch will mount is free from debris or other material that may interfere with the installation.

STEP 1: HITCH ASSEMBLY

Assemble the hitch as shown on the main diagram using the ½" x 1-½" long bolts, lock washers and nuts. Attach the side plates to the hitch center section with the "ears" of the side plates toward the outside as shown in the main diagram. Do not fully tighten the hardware at this time.

STEP 2: INSTALLING HARDWARE

Place the bolts and spacers for the forward and rearward side plate ears into the existing holes in the frame as shown allowing the threaded portion of the bolts to protrude downward from the frame. The bolts for the rearward side plate ears will be in the large 1-⅝" diameter holes at the rear of the frame while the bolts for the forward most side plate ears will be in the holes 16" from these holes. Make sure that the correct size spacer is used at each connection point. See main diagram.

STEP 3: POSITIONING/MOUNTING HITCH

Position the hitch, placing the ears of the side plates over the bolts installed in step 2. Secure these connections with spacers, lock washers, and nuts as shown in the main diagram. Hand tighten the hardware only at this time. Next install the hardware into the middle side plate ears as shown.

STEP 4: TIGHTENING HARDWARE

Tighten the hardware on the connections between the frame and the side plates first. Torque the bolts to 80 foot pounds. Next make sure that the edges of the side plate mounting brackets on the center section match up with the bottom and rearward edges of the side plates and tighten these connections. Torque these bolts to 80 foot pounds as well. Replace the spare tire.

STEP 5: OPTIONAL BRACKET INSTALLATION

An optional trailer plug mounting bracket has been included with this hitch. If your vehicle does not have a place to mount the trailer wiring receptacle, this bracket will accept many different receptacles on the market. Mount the bracket using the two self-tapping sheet metal screws as shown in diagram 5.1. Be aware of ground clearance limitations that this wiring plug bracket or any other may add to the hitch.

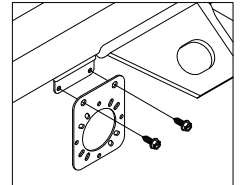


FIGURE 5.1



This manual is provided courtesy of **RV Tech Cheat Sheet**



Professional resources for the whole RV industry — free.

We put manuals, wiring diagrams and hard-won tech knowledge in every technician's hands, so repairs get done right the first time, techs work faster, and RV owners everywhere get better service.



rvtechcheatsheet.com/manuals

Find thousands more RV manuals, wiring diagrams and parts lists

RV techs: share fixes, ask questions and learn from each other.

Join our free Facebook group →



Follow proper safety practices. If in doubt, consult a professional RV technician.