INSTALLATION MANUAL

19280

Level of Difficulty

Moderate

Installation difficulty levels are based on time and effort involved and may vary depending on the installer level of expertise, condition of the vehicle and proper tools and equipment.

Weight Capacity

Gross trailer weight (GTW)	20,000 lbs.
Vertical load	5,000 lbs.

Parts List

Item	Qty	Description
1	1	Flat washer, M20
2	2	Lynch pin
3	1	Carriage bolt, M20 x 130mm
4	1	Carriage bolt, M20 x 90mm
5	1	Flange nut, M20
6	1	Jam nut, M20
7	2	Clevis pin
8	2	Hex head cap screw, M14
9	2	Nut, M14
10	1	Gooseneck ball coupler

Tools Required

Ratchet	Torque wrench
Socket set	Wrench set

Torque Specifications

1/2" bolt	65 ft-lbs.
M14 bolt	50 ft-lbs.
M20 bolt	300 ft-lbs.
M20 carriage bolt	100 ft-lbs.

Use above torque setting unless otherwise noted

Product Registration

CURT stands behind our products with industry-leading warranties. Provide feedback and help us to improve our products by registering your purchase at: **warranty.curtgroup.com/surveys**

⚠ DANGER ZONE PRECAUTIONS

Block all trailer tires in front and behind with appropriate wheel chocks. Do not substitute objects such as, but not limited to: stones, wood blocks, etc. Front trailer lifting jacks must be supporting the trailer and resting on a firm and level surface.

Towing vehicle must be stationary with automatic transmission in park (manual in neutral), emergency brake applied and engine off.

⚠ WARNING

Fully instruct and demonstrate the operation of this 5th wheel hitch to the end user. Include the importance of observing all warnings contained herein, including warning labels on 5th wheel hitch main body. Provide this manual in its entirety to the end user. Serious injury or death may result if the warnings above are not observed.

Do not expose hands, body parts or clothing between the truck and trailer or the truck's bed sides and trailer. If you must place any part of your body under trailer or between truck and trailer, you must:

1. Block all trailer tires with wheel chocks.
2. Make sure trailer landing gear / jacks are resting on a firm, level surface.
3. Towing vehicle must be stationary with auto transmission in park (manual in neutral), emergency brake applied and engine off.

Never exceed the towing capacity (trailer and contents combined) of any towing system component or your vehicle.

Improperly coupled trailers can separate or drop without notice, causing serious injury or death. To reduce the chance of serious injury or death:

Never attempt to couple trailer without reading and following all instructions thoroughly.

Always follow operating instructions to secure trailer to tow vehicle. Make sure the hitch is secure before towing.

Prior to towing, ensure all components and hardware are structurally sound and secure.

Always chock the trailer to prevent movement while coupling the hitch.

Always ensure lynch pins are installed through handle before towing.

Always perform a pull test prior to towing. See 'pull test' later in this instruction manual.

Never position anyone under the trailer's kingpin area during coupling and uncoupling.

Do not torque upper M20 head pivot bolt (#6). The nut is designed to only make contact but not apply clamping force. If bolt is torqued it could cause bolt to fail causing hitch separation during use leading to severe injury or death. If hitch head appears loose the 20mm bolt can be removed and inspected for damage if any cracks or damage is visible immediately discontinue use of hitch.

Product Photo

ASSEMBLY

Parts List		
Item	Qty	Description
1	1	Flat washer, M20
2	2	Lynch pin
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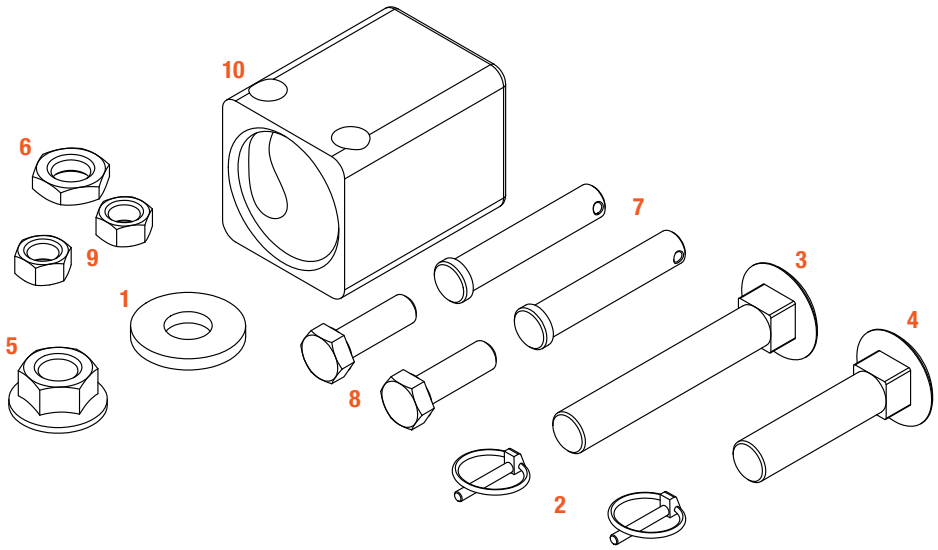
10	1	Gooseneck ball coupler

NOTICE

Before you begin installation, read all instructions thoroughly.

Proper tools will improve the quality of installation and reduce the time required.

To help prevent damage to the product or vehicle, refer to the specified torque specifications when securing hardware during the installation process.

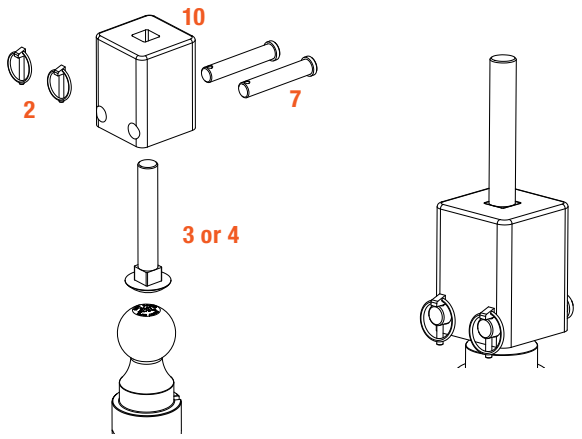


MAIN BODY ASSEMBLY

Step 1 - Place Coupler on Gooseneck Ball

Place either the 90mm long or the 130mm long 20mm diameter carriage bolt (#3 or #4) into the gooseneck ball coupler (#10). Make sure the square neck of the carriage bolt is seated into the coupler. **Note:** The longer carriage bolt is used for lower gooseneck balls and the shorter bolt is used for taller gooseneck balls).

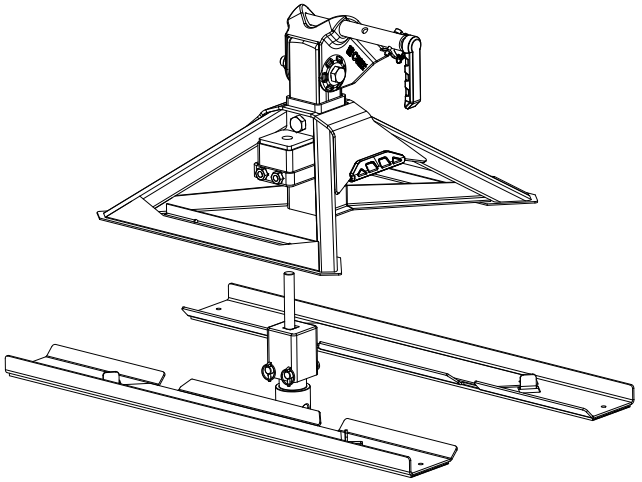
With the carriage bolt in place, lower the goosneck ball coupler onto the gooseneck ball. Insert both clevis pins (#7) into the goosneck ball coupler (#10) and secure with lynch pins (#2). The lynch pins should face to the front of the vehicle. **Note:** The goosneck ball coupler will only work with a 2-5/16" diameter gooseball.



Step 2 - Mount hitch to gooseneck coupler

Place the assembled hitch onto the carriage bolt that is inserted into the gooseneck coupler, making sure the lynch pins face forward as shown below. Pull the carriage bolt through and make sure the square neck of the carriage bolt is seated into the square opening in the gooseneck coupler.

Note: The plastic pads and bed support rails shown are sold in a separate kit but are required for installation into a traditional pickup truck bed. Failure to use bed support rails and plastic pads in certain applications may void the vehicle warranty.



Place a 20mm flat washer (#1) over the carriage bolt and secure with a 20mm flange nut (#5). Torque the 20mm flange nut to 100 ft-lbs. Place a jam nut (#6) on top of the flange nut and tighten. Thread the two 14mm hex head cap screws (#8) into the 14mm nuts (#9) and place into the 14mm weld nuts on the hitch. Torque each 14mm hex head cap screw to 50 ft-lbs. Tighten the 14mm nuts.
Note: Make sure the 14mm hex head cap screws are allowed to place pressure on the gooseneck hitch coupler.

⚠ WARNING

The 20mm carriage bolt must completely protrude through the 20mm flange nut and 20mm jam nut. In addition, the 14mm hex head cap screws must be allowed to make contact with the gooseneck coupler. If either of these conditions do not occur, it may indicate that the goosneck ball is at too low of a position to work with the hitch. This condition could cause the carriage bolt to fail causing hitch separation during use, leading to severe injury or death.
If the gooseneck coupler appears loose, the 20mm carriage bolt should be removed and inspected for damage. If any cracks or damage is visible, immediately discontinue use of hitch.