



INSTALLATION MANUAL

70155

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.

Installed Attachment Tabs

Height	16"
Width	38"

Parts List

Qty	Description
1	70155 base plate
2	Base plate T-bolt
2	7,500 LB. Safety Cable
2	Nut, handle, 1/2-13 UNC, GRD8, CZ
2	HHCS, 1/2-13 UNC, 1-1/2, GRD8, YZ
2	Bolt, CAR, 1/2-13 UNC, 1-1/2, GRD8, YZ
2	.250 x 100 x 3.00" square hole spacer
2	HHCS, M14x2, 50, CL10.9, YZ
2	Nut, ser-flange, 1/2-13 UNC, GRD8, YZ
2	Washer, s-con, 1/2, YZ
2	Washer, s-con, 9/16, YZ
2	CAPPLUGS # DOP-1375
2	.500" quick link

Tools Required

Flat Screwdriver	Torque wrench
Drill	Loctite RED
Drill bit, 1/2"	Socket, 8mm
Plastic trim removal tools	Socket, 10mm
Ratchet, 3/8"	Socket, 11mm
Ratchet, 1/2"	Socket, 13mm
Socket, 3/4"	Socket, 18mm
Socket, 7/8"	Socket, 21mm
Wrench, 11/16"	Socket, 22mm
Wrench, 11mm	Torx bit, T-40
Wrench, 18mm	

Product Registration and Warranty

CURT stands behind our products with industry-leading warranties. To get copies of the product warranties, register your purchase or provide feedback, visit: warranty.curtgroup.com/surveys

⚠ WARNING

Never exceed the vehicle manufacturer's recommended towing capacity.

Product Photo



NOTICE

Visit www.curtmfg.com for a full-color copy of this instruction manual, as well as helpful videos, guides and much more!

Before you begin installation, read all instructions thoroughly.

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

This installation requires:

- Removal of recovery loops / D-rings (permanent)
- Removal of bumper (temporarily)
- Removal of skid shield (temporarily)
- Removal of auto valence (temporarily)
- Removal of fenders (temporarily)
- Removal of wheel well (temporarily)
- Trimming and drilling required
- No fishwiring required

Periodic inspection of your product should be performed to ensure all hardware and / or components remain secure.

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

SAFETY INSTRUCTIONS

Safety glasses should be worn at all times while installing this product.

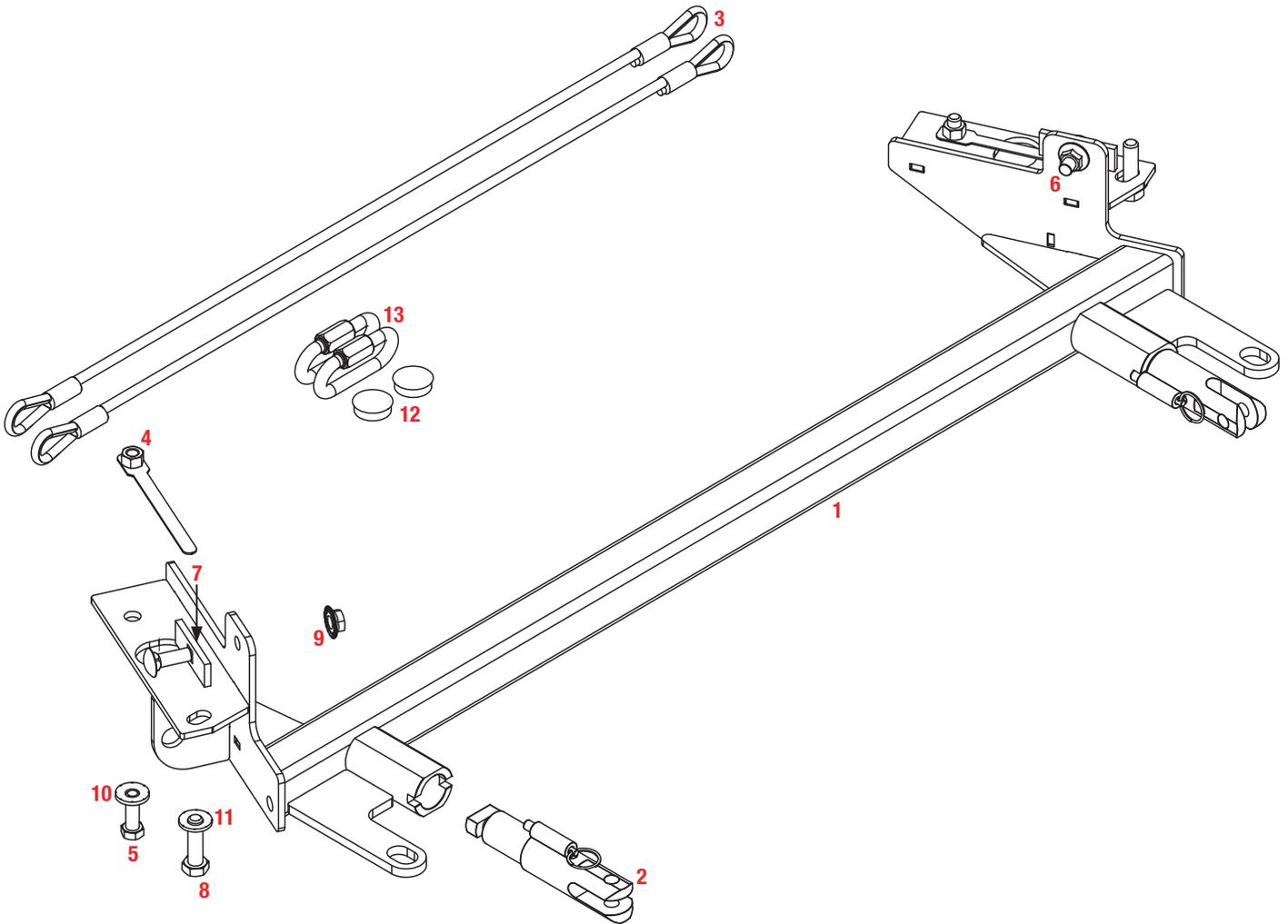
Maintenance

Mild automotive detergent may be used to clean the product. Do not use dish detergent, abrasive cleaners, abrasive pads, wire brushes or other similar products that may damage the finish.

ASSEMBLY

Parts List

Item	Qty	Description
1	1	70155 base plate
2	2	Base plate T-bolt
3	2	7,500 LB. Safety Cable
4	2	Nut, handle, 1/2-13 UNC, GRD8, CZ
5	2	HHCS, 1/2-13 UNC, 1-1/2, GRD8, YZ
6	2	Bolt, CAR, 1/2-13 UNC, 1-1/2, GRD8, YZ
7	2	.250 x 100 x 3.00" square hole spacer
8	2	HHCS, M14x2, 50, CL10.9, YZ
9	2	Nut, ser-flange, 1/2-13 UNC, GRD8, YZ
10	2	Washer, s-con, 1/2, YZ
11	2	Washer, s-con, 9/16, YZ
12	2	CAPPLUGS # DOP-1375
13	2	.500" quick link



PART REMOVAL: 2025 DODGE RAM 1500

Step 1

Using an 8mm socket, remove the five bolts from the wheel well.

Take off the plastic wheel well and set it aside for reinstallation later.

Repeat this process on both sides of the vehicle.



Step 2

Disconnect one electrical connector from each side of the vehicle.



Step 3

Using an 18mm socket, remove the three bolts from the back side of the bumper.

Remove bumper and set aside to be reinstalled later.

Repeat this process on both sides of the vehicle.



Step 4

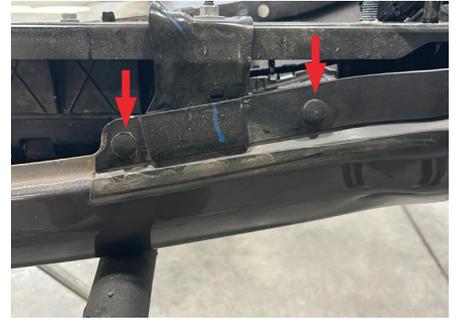
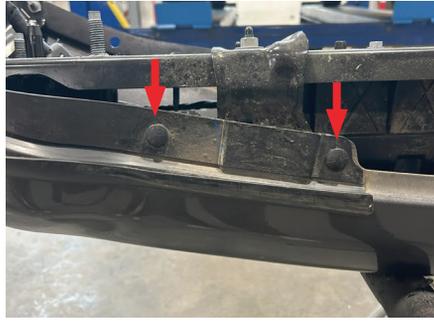
Using a 10mm socket, remove the fourteen nuts from the bottom of the bumper that holds the valence on.

Remove bumper valence and set aside to be reinstalled later.



Step 5

Remove four push pins, two from each side of the bumper, from the rubber piece on the top of the bumper.



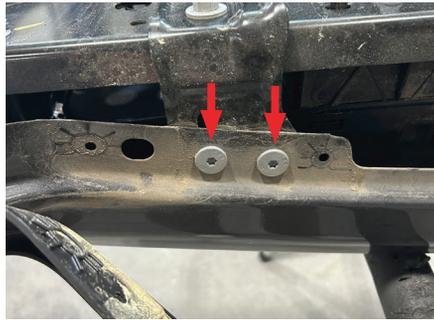
Step 6

Pull back rubber piece.

Using a T40 Torx, remove the three bolts from the bumper.

Note: Two bolts are located on the top of the bumper and one on the bottom of the bumper.

Repeat this process on both sides of the bumper.

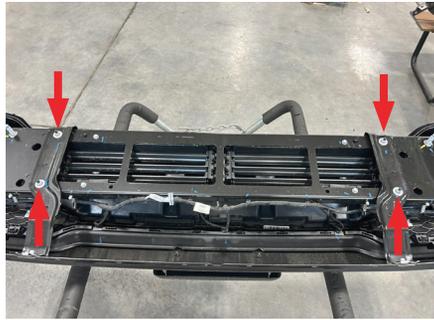


Step 7

Using a 13mm socket, remove the four nuts securing the brackets on the back of the bumper.

Remove both brackets.

Note: The brackets will not be reinstalled.



Step 8

Reinstall the four push pins on the top of the bumper from step 5.

Reinstall the bumper valence to the bottom of the bumper from step 4.



Step 9: Vehicles Not Equipped with Tow Hooks

Unclip the three clips from the tow hook cover and push the cover towards the back of the bumper to remove the cover.

Repeat this process on both sides of the bumper.



Step 10

Unclip the wire loom from the outer side of the active shutter bracket on the back side of the bumper.

Reinstall the wire loom on the inner side of the active shutter bracket.



Step 11

Using a reciprocating saw, trim the highlighted area from the metal piece on the back of the bumper.

Repeat this process on both sides of the vehicle.



Step 12: Trucks Equipped with Tow Hooks

Using an 18mm socket, remove the back tow hook bolt.

Then, with a 21mm socket, remove the front bolt holding the tow hook onto the frame of the truck.

Repeat this process on both sides of the vehicle.

The tow hooks will not be reinstalled.



Step 13: Trucks Equipped with Tow Hooks

Reinstall the back tow hook bolt with all hardware and torque to 46 ft-lb.

Repeat this process on both sides of the vehicle.

Note: If unable to remove tow hook bolt, a rubber mallet may need to be used to loosen bolt from tow hook bolt hole.

NOTICE

Use Loctite® Red on all bolt threads and tighten all bolts to the appropriate torque.



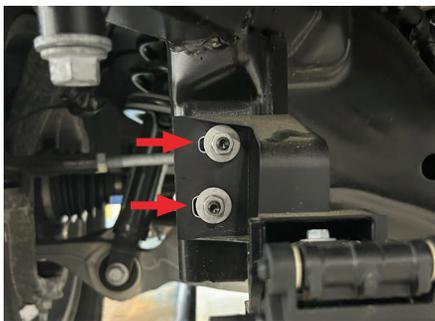
Step 14

Using a 13mm socket, remove the two nuts from the automatic valence.

Do this on both sides of the vehicle.

Unplug the electrical connection on the driver's side and remove the auto valence.

Set aside to be reinstalled later.



Step 15

Remove the four push pins from the rubber piece below the grille. It will not be reinstalled.

Using a reciprocating saw, cut a straight line across the plastic piece to remove the designated area.



BASEPLATE INSTALLATION:

Step 16

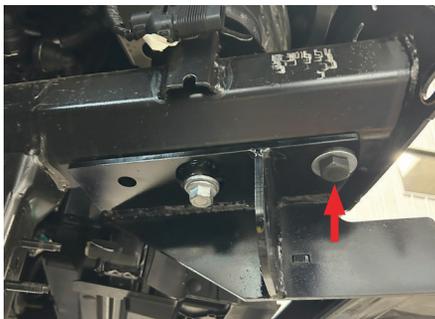
Raise the baseplate into place and start the 14mm bolt with 9/16" conical tooth washer and Loctite® Red.

Hand tighten the bolts.

Repeat this process on both sides of the vehicle.

NOTICE

Use Loctite® Red on all bolt threads and tighten all bolts to the appropriate torque



Step 17

Using a 1/2" drill bit and the baseplate as a template, drill the remaining mounting holes on the bottom and side of the baseplate.

Repeat this process on both sides of the vehicle.



Step 18

Place spacer plate onto 1/2" carriage bolt with Loctite® Red.

Insert bolt and plate through access hole on the front of the vehicle frame horn.

Install bolt and plate into side hole of baseplate and attach 1/2" flange serrated nut hand tight.

Do this on both sides of the vehicle.

NOTICE

Use Loctite® Red on all bolt threads and tighten all bolts to the appropriate torque.



Step 19

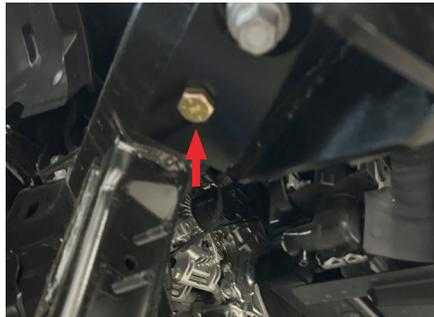
Install the 1/2" x 1-1/2" bolt with 1/2" conical tooth washer and Loctite® Red into the bottom back hole.

Insert handle nut through the access hole and fully tighten all bolts to 110 ft-lb starting with the side bolt, then back bottom mounting bolt, and finally, the front bottom mounting bolt.

Repeat this process on both sides of the vehicle.

NOTICE

Use Loctite® Red on all bolt threads and tighten all bolts to the appropriate torque.



Step 20

Install the permanent safety cables, looping them around the vehicle frame and linking them to the tow bar base plate.

Note: There must be one cable on each side of the vehicle (see Installing the Permanent Base Plate Safety Cables for additional information).

NOTICE

Additional options may interfere with the suggested mounting locations. For this mounting, make sure the cable is secured around a solid piece of frame.

CAUTION

Ensure that the safety cables do not rub or pinch any hoses or moving parts as it could cause severe damage to the vehicle.



Step 21

Reinstall auto valence, bumper, fenders, and wheel well pieces.

Ensure that all electrical connectors are reconnected properly.



Electrical Bracket

If electrical bracket is wanted, purchase Curt PN #58300 and mount the bracket as desired.



TOWING BASICS & SAFETY INFORMATION

For information on safely towing your trailer, visit curtmfg.com/understanding-towing.

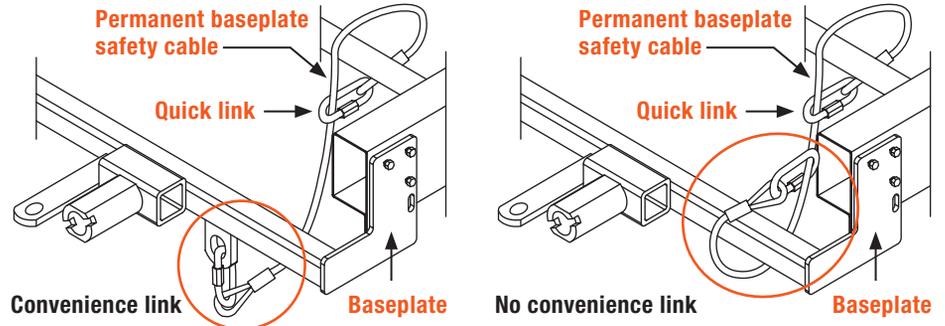
SAFETY CABLE INSTALLATION

Installing the Permanent Base Plate Safety Cables

When dinghy towing a vehicle with a tow bar, base plate safety cables should be used at all times. In the event of a disconnect, the safety cables are designed to help prevent complete vehicle separation. When installing the safety cables, use the illustrations below as a guide.

Installation guidelines

1. The cables must be connected to the base plate and the vehicle frame.
2. Two cables must be installed.
3. Each cable must meet or exceed the gross weight of the towed vehicle.
4. Make sure cables do not pinch or interfere with hoses, wiring or other components.



Note: Base plate safety cables are not a replacement for safety chains connecting the tow vehicle to the towed vehicle.

ADDITIONAL INFORMATION

Towing Tips

Check your equipment	Periodically check the condition of all towing equipment. Ensure all fasteners are tight and that all structural components are sound. Do not tow with worn or damaged parts.
Vehicle manufacturer's recommendations	Review the owner's manual for your towed vehicle and towing vehicle for specific recommendations, capacities and requirements.