INSTALLATION MANUAL

70154

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	17"
Width	38.5"

Parts List

Item	Qty	Description
1	1	70154-DSWA
2	1	70154-PSWA
3	2	BASE PLATE T-BOLT LONG
4	2	7500 LB SAFETY CABLE
5	1	ELECTRICAL FLAT BRACKET
6	2	NUT,HANDLE,1/2-13 UNC, GRD8, CZ
7	2	HHCS,1/2-13 UNC,1-1/2, GRD8, YZ
8	2	BOLT, CAR,1/2-13 UNC,1-1/2, GRD8, YZ
9	2	.250 x 1.00 x 3.00" SQUARE HOLE SPACER
10	2	HHCS,M14x2,50,CL10.9,YZ
11	2	SDSHW,12-14,1,ZP
12	2	WASHER,S-CON,9/16,YZ
13	2	WASHER, S-CON,1/2,YZ
14	2	NUT,SER-FLANGE,1/2-13 UNC, GRD8, YZ
15	2	.500" QUICK LINK
16	2	CAPLUGS # DOP-1375

Tools Required

Flathead screwdriver	Socket, 8mm
Utility knife	Socket, 18mm
Torque wrench	Wrench, 18mm
Drill	Socket, 21mm
Reciprocating saw	Socket, 22mm
Drill bit, 1/2"	Socket, 3/4"
Loctite® RED	

⚠ 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 wheel well (temporarily)
- Removal of bumper (temporarily)
- Removal of tow hooks (permanent)
- Trimming and drilling required

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

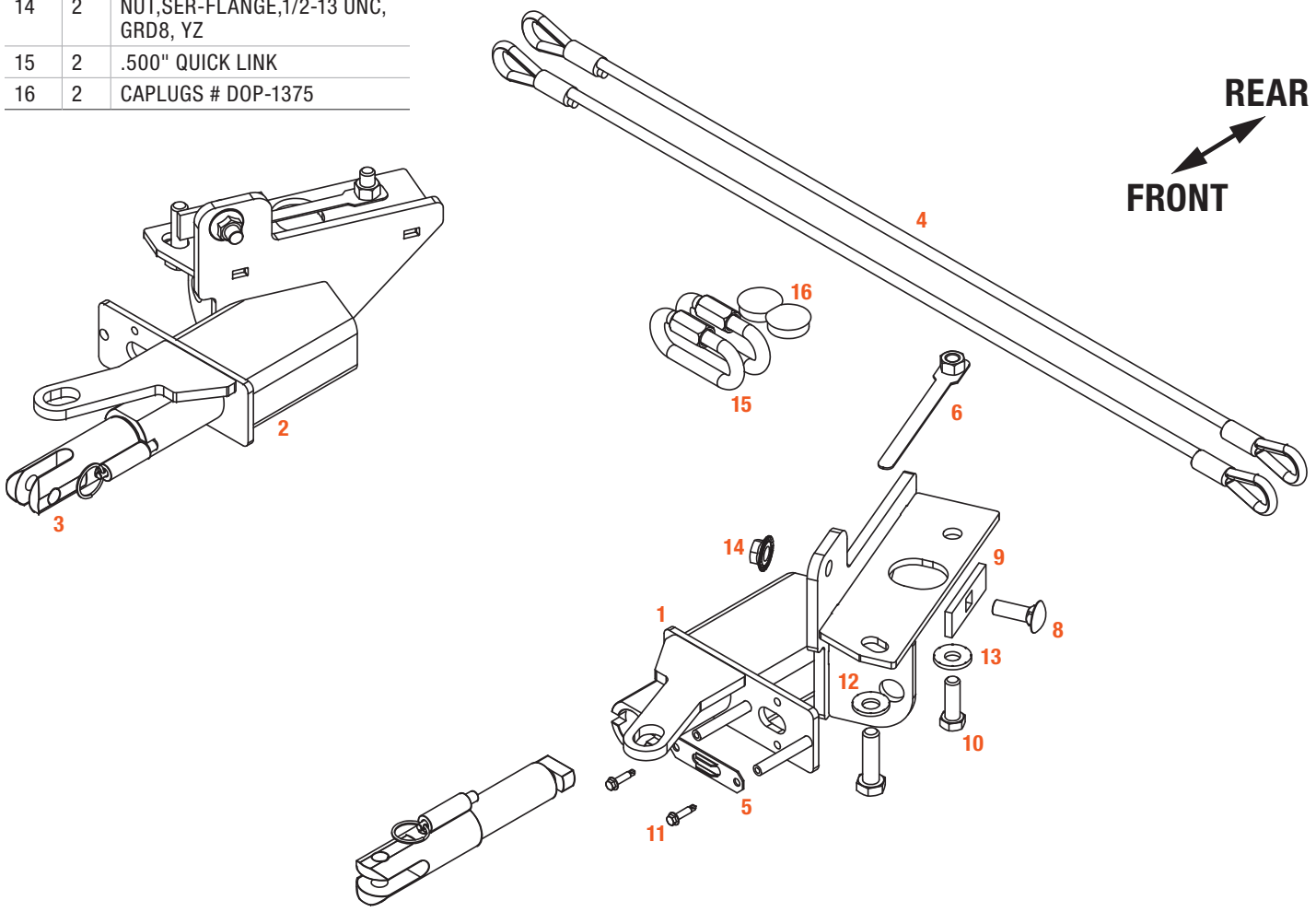
To help prevent damage to the product or vehicle, refer to the specified torque specifications when securing hardware during the installation process.

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**

ASSEMBLY

Parts List		
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15	2	.500" QUICK LINK
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PART REMOVAL

Step 1

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

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

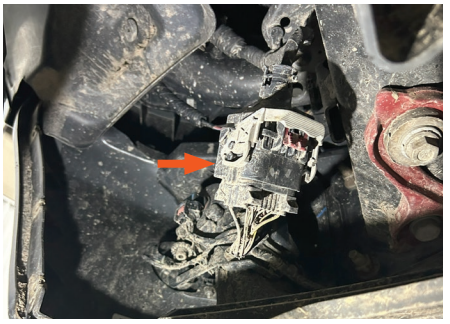
Repeat this process on both sides of the vehicle.





Step 2

Disconnect one electrical connector from the driver side of the vehicle.

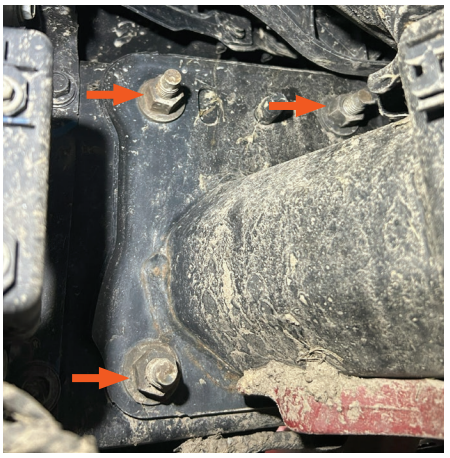


Step 3

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

Repeat this process on both sides of the vehicle.

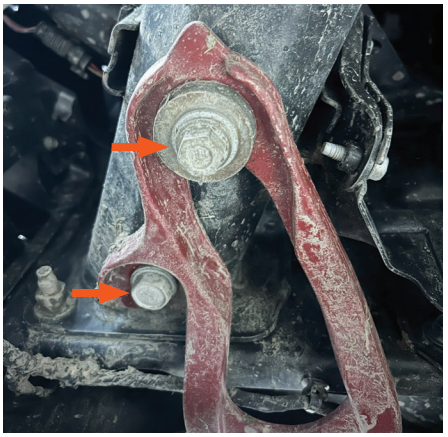
Remove bumper and set aside to be reinstalled later.



Step 4

Trucks Equipped with Tow Hooks: Using an 18mm socket remove the back bolt then with a 21mm socket remove the front bolt holding the tow hook to the frame of the truck.

Repeat this process on both sides of the vehicle. The tow hooks will not be reinstalled.



Step 5

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.

NOTICE

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





Step 6

Vehicles not equipped with tow hooks: Unclip the three clips from the tow hook cover, push the cover towards the back of the bumper to remove the cover.

Repeat this process on both sides of the bumper.



BASEPLATE INSTALLATION

Step 7

Vehicles equipped with an intercooler:
Trim the mounting bracket as shown in figure below.

Note: Trim as needed for fitment.



Step 8

Raise the baseplate into place and start the 14MM x 2 bolt (10) with 9/16” conical tooth washer (12) and Loctite® Red, hand tighten the bolts.

Repeat this process on both sides of the vehicle.



Step 9

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 10

Place spacer plate (9) onto 1/2” carriage bolt (8). 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 (14) hand tight.

Do this on both sides of the vehicle.



Step 11

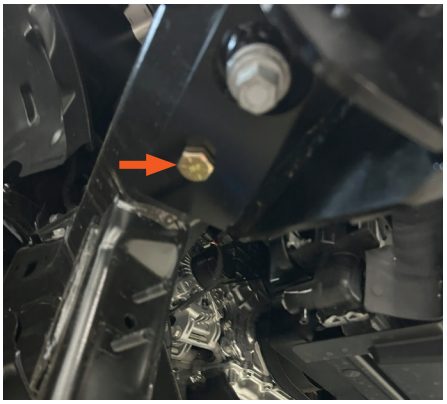
Install the 1/2” x 1-1/2” bolt (10) with 1/2" conical tooth washer (13) and handle nut (6) into the bottom back hole.

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 12

Attach the electrical bracket to the mounting rods with two self-drilling screws.

Step 13

Attach the permanent baseplate safety cables (4) to the provided hole with the provided .500” Quick Link (15) on the baseplate. Install the cables to the frame of the vehicle.

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

Be sure the safety cables do not rub against any hoses or moving parts, if cables are rubbing against any hoses or moving parts this could cause severe damage to the vehicle.

Repeat this process on both sides of the vehicle.

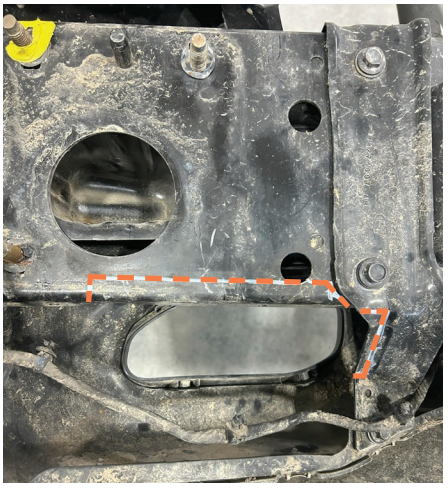


Step 14

Using a reciprocating saw, trim the highlighted area on the back of the bumper as shown.

Repeat this process on both sides of the vehicle.

Note: Trim as needed for proper fitment.



Step 15

Reinstall bumper, fenders, wheel well pieces, and be sure to reconnect all electrical connectors properly.



TOWING BASICS & SAFETY INFORMATION

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

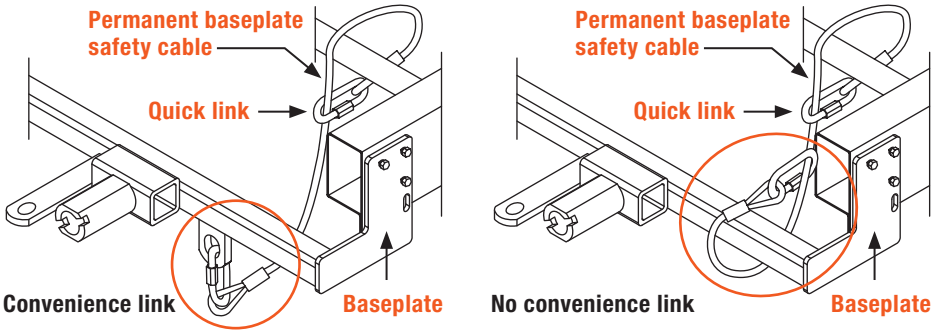
SAFETY CABLE INSTALLATION

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.