

# INSTALLATION MANUAL

# 70146

## 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	19.5"
Width	18"

## Parts List

Item	Qty	Description
1	2	Tow bar base plate
2	2	Tow bar mounting tab
3	2	Safety cable, 7,500 lbs.
4	10	Carriage bolt, 1/2"-13 UNC, 1-1/2", grade 5
5	2	Carriage bolt, 1/2"-13 UNC, 5", grade 5
6	2	Nylock nut, 1/2"-13 UNC, grade 5
7	10	Handle nut, 1/2"-13 UNC, grade 8
8	10	Lock washer, 1/2"
9	20	Flat washer, 1/2"
10	2	Quick link, 1/2"
11	2	Caplugs # dop-1375

## Tools Required

Socket, 7mm	Drill
Socket, 10mm	Drill bit, 17/32"
Socket, 13mm	T-15 Torx bit
Socket, 15mm	Flathead screwdriver / push pin pry tool
Socket, 18mm	Plastic (non-marring) pry tool
Socket, 3/4"	Angle / die grinder
Wrench, 18mm	Aviation shears
Wrench, 3/4"	Tape measure
Ratchet	Marker
Torque wrench	Safety glasses

## ⚠ WARNING

Never exceed the vehicle manufacturer's recommended towing capacity.

## Product Photo



## ⚠ CAUTION

Take care when cutting any plastic or metal as injury may occur if done improperly.

## NOTICE

Visit [www.curtmfg.com](http://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)
- Possible trimming (permanent)
- 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.

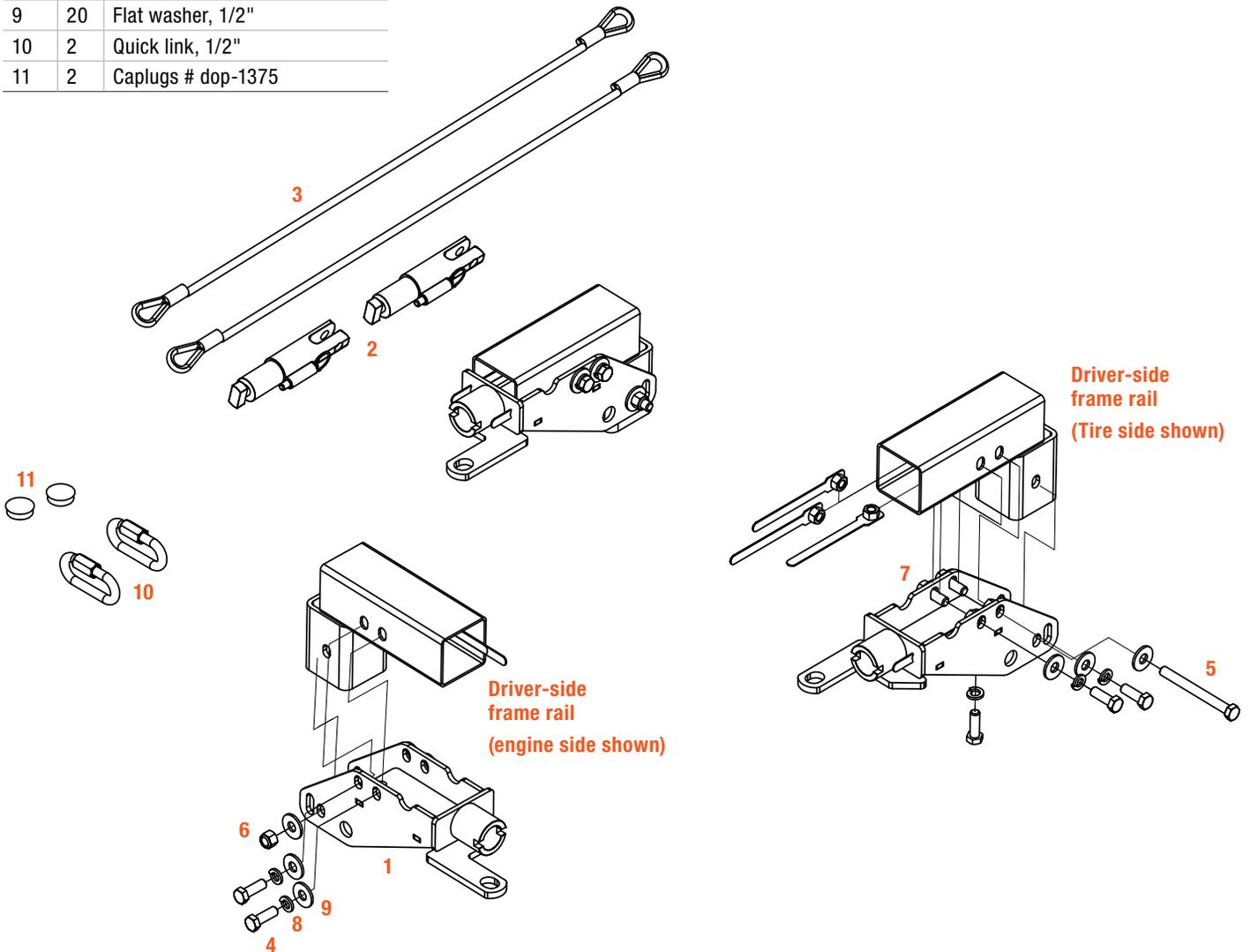
## Product Registration and Warranty

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](http://warranty.curtgroup.com/surveys)

# ASSEMBLY

## Parts List

Item	Qty	Description
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# FASCIA REMOVAL

## CHEVY SILVERADO 1500

### Step 1

Using a T-15 Torx, remove two screws from the latch handle. Remove and set aside for reinstallation (two total screws).



### Step 2

Remove ten push pins from top of fascia, remove and set aside for reinstallation.



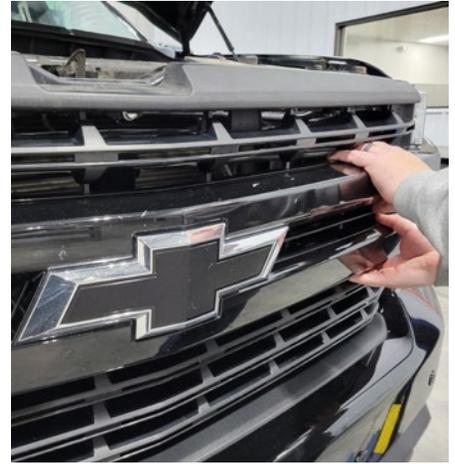
### Step 3

Use a 10mm socket to remove the four screws, two on each side, from the top edge of the grill fascia.



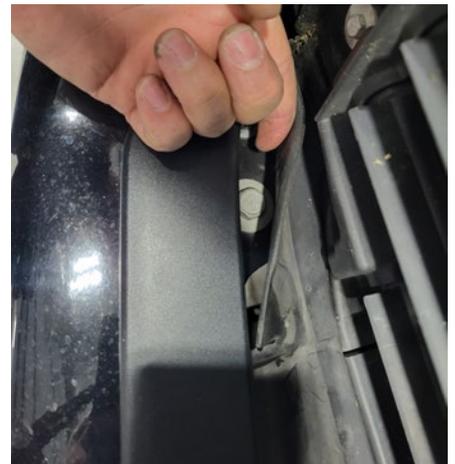
#### Step 4

Use a non-marring pry tool to lift the grill fascia edge, unsnapping it from the frame. Pull the center of the grill from the front to unsnap at the top and bottom of the grill. If present, unplug the camera in the center of the grill, located below the Chevrolet emblem. Carefully remove the grill and safely set aside for later.



#### Step 5

With the grill removed looking down at the top of the bumper, lightly pull the plastic trim on the top of the bumper to expose two bolts on each side. Use a 18mm socket to remove one of the innermost bolt on both sides of the vehicle. Bolt is shown from inside the bumper area.



#### Step 6

Use a 13mm socket to remove the four bolts from the forward skid shield. Remove the skid shield and set aside for later.



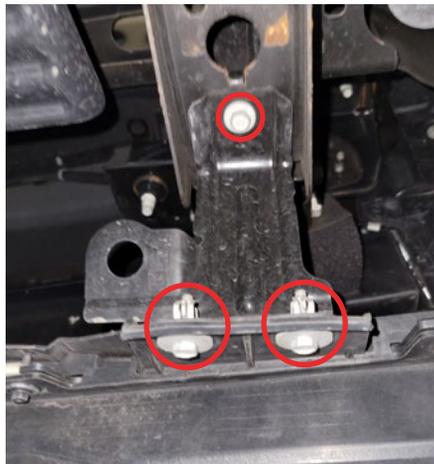
### Step 7

Use an 18mm socket to remove one bolt on the inner side of the frame rail on both sides of the vehicle.



### Step 8

Use a 10mm socket to remove three bolts from the underside of the vehicle. Repeat on the other side of the vehicle for a total of six bolts.



### Step 9

Use a 15mm socket to remove one bolt from the bumper support arm on both sides of the vehicle. Unplug the wiring harness connector on the passenger side of the vehicle. Carefully remove the bumper and set aside for later.



### Step 10

Use an 18mm socket and boxed end wrench to remove two bolts from each recovery loops. Return recovery loops and fasteners to vehicle owner



# ENGINE BAY, FASCIA REMOVAL

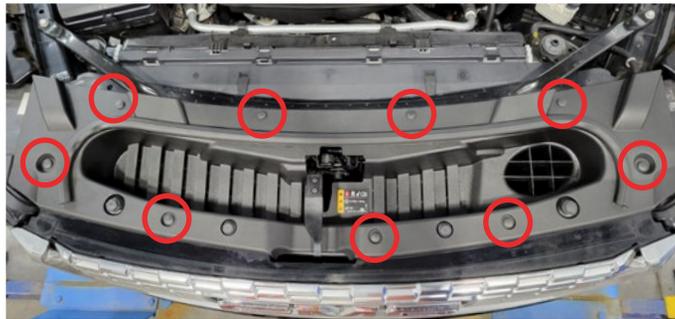
## CHEVY TAHOE / SUBURBAN, GMC YUKON / YUKON XL

### Step 1

Using a Torx T-15, remove two screws from the latch handle. Remove and set aside for reinstallation later.

### Step 2

Remove the nine push pins, four from the radiator cover as shown. Set cover aside for later.



### Step 3

Remove six screws with a 10mm socket from the grill fascia edge as shown.



## Step 4

### Gmc Yukon / Yukon AT4 Models:

Use a T-15 Torx to remove the six screws from the wheel well (four along the edge and two in front of the tire). Do this on both sides of the vehicle to remove twelve total screws.



## Step 5

### Chevy Suburban / Tahoe Z71 Models:

Remove four T-15 Torx from the wheel well liner, three along the edge and one in front of the wheel.



### Step 6

Pull back the wheel well liner and locate and remove the three screws securing the bumper cover to the fender using a 7mm socket.

Repeat on the other side of the vehicle.



### Step 7

Unplug the electrical connections behind the passenger-side wheel well liner.



### Step 8

#### Gmc Yukon / Yukon AT4 Models:

Typically a 7mm or 10mm, use the correct tools to remove four screws / bolts from the bottom edge of the bumper fascia.



### Step 9

#### Gmc Yukon / Yukon AT4 Models:

Typically a 7mm or 10mm, use the correct tools to remove four screws / bolts from the bottom edge of the bumper fascia.

#### Chevy Suburban / Tahoe Z71 Models:

Using a Torx T15, remove one screw from the underside of the bumper fascia in front of the tire on both sides of the vehicle.



### Step 10

Pulling back the wheel well liner in front of the tire, use a 10mm socket to remove one bolt on each side of the vehicle.

#### Chevy Suburban / Tahoe Z71 models:

Remove three 7mm bolts from where the bumper fascia is wrapping the headlight to allow removal of the fascia.



### Step 10

Use an 18mm socket and boxed end wrench to remove two bolts from each recovery loop. Return recovery loops and fasteners to vehicle owner



# BASEPLATE INSTALLATION

### Step 1

Raise baseplate weldment onto the frame rail, aligning the rearward most holes. Insert one 1/2" x 5" bolt with washers on the outside into the lower mounting hole and install the supplied nut. Repeat on other sides of vehicle.

### Step 2

To secure baseplate in position for drilling, install the supplied 1/2" bolt, washers, and nut into the forwardmost existing mounting hole. Secure hardware to hold baseplate in place.

### Step 3

Using the baseplate as a template, drill a 17/32" hole for the remaining mounting holes. Repeat on other side of the vehicle.



#### Step 4

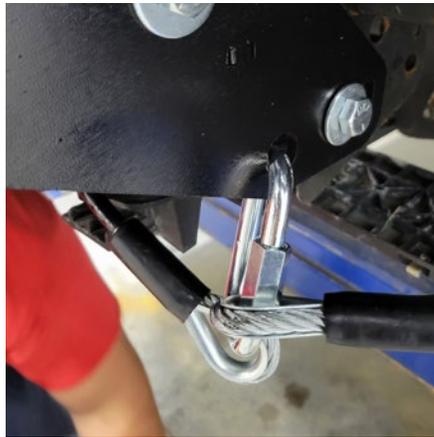
Install the remaining 1/2" supplied fasteners.

Torque all 1/2" Fasteners to 64 ft-lbs.



#### Step 5

Install the permanent safety cables, looping them around the vehicle frame and linking them to the tow bar base plate. There must be one cable on each side of the vehicle. Make sure the cables do not pinch or interfere with any hoses, wiring or other components (see Installing the Permanent Base Plate Safety Cables for additional information).



#### Step 6

Hold the fascia as close as possible to the original position and trim to fit. Use picture to the right as a trim template reference.



## Step 7

Reinstall fascia and fascia cover and reconnect all electrical.



## TOWING BASICS & SAFETY INFORMATION

For information on safely towing your trailer, visit [curtmfg.com/understanding-towing](http://curtmfg.com/understanding-towing).

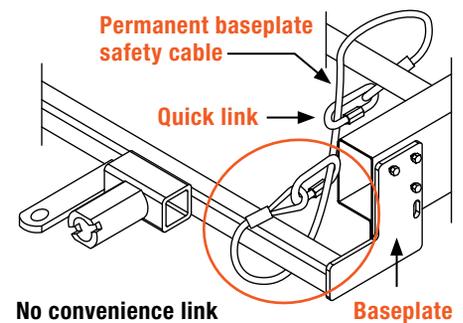
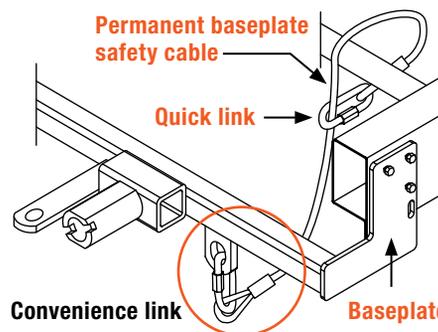
# SAFETY CABLE INSTALLATION

## 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.

### Towing vehicle and trailer manufacturer's recommendations

Review the owner's manual for your towing vehicle and trailer for specific recommendations, capacities and requirements.