

# INSTALLATION MANUAL

321805

**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.

**Parts List**

|    |                                       |
|----|---------------------------------------|
| 1  | Grille guard                          |
| 1  | Lower frame bracket, driver side      |
| 1  | Lower frame bracket, passenger side   |
| 1  | Front support bracket, driver side    |
| 1  | Front support bracket, passenger side |
| 1  | Rear support bracket, driver side     |
| 1  | Rear support bracket, passenger side  |
| 2  | Adhesive foam tapes, 50mm x 250mm     |
| 2  | Spacer washers, M12                   |
| 2  | Coarse hex bolts, M14                 |
| 2  | Lock washers, M14                     |
| 2  | Flat washers, M14                     |
| 4  | Hex bolts, M12                        |
| 8  | Flat washers, M12                     |
| 4  | Lock washers, M12                     |
| 4  | Hex nuts, M12                         |
| 6  | Hex bolts, M8                         |
| 12 | Flat washers, M8                      |
| 6  | Lock washers, M8                      |
| 6  | Hex nuts, M8                          |

**Tools Required**

|               |                  |
|---------------|------------------|
| Ratchet       | Socket           |
| Torque wrench | Socket extension |

**Torque Specifications**

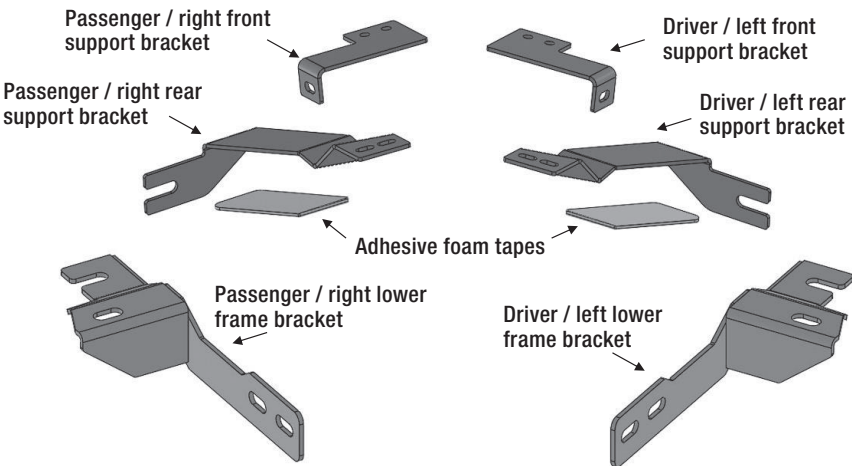
|          |             |
|----------|-------------|
| M8 bolt  | 23 ft-lbs.  |
| M12 bolt | 77 ft-lbs.  |
| M14 bolt | 125 ft-lbs. |

Use above torque setting unless otherwise noted

**Product Photo**



**Brackets and Hardware**



**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.

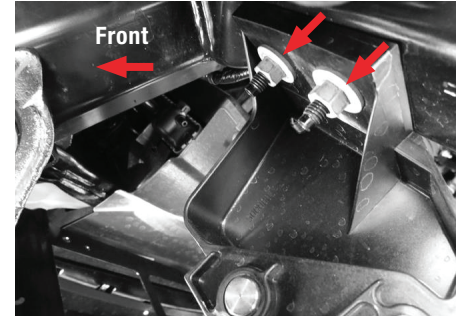
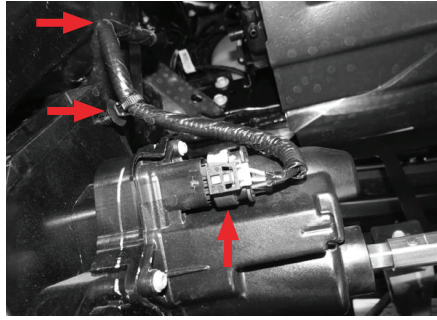
**Maintenance**

To protect the product, wax after installing. Regular waxing is recommended to add a protective layer over the finish. Do not use any type of polish or wax that may contain abrasives that could damage the finish.  
 For polished, gloss and other smooth finishes, polish may be used to clear small scratches and scuffs on the finish.  
 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.

### Step 1

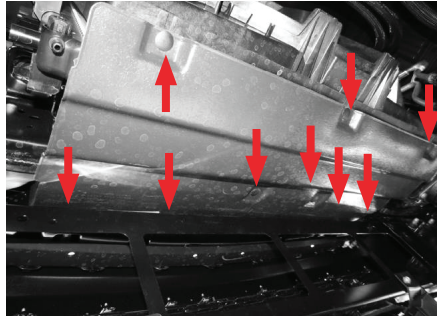
Start the installation under the front bumper. Determine if the vehicle is equipped with an active air dam system. If not, continue to step 2.

To make installation easier, temporarily remove the active air dam system. Unplug the active air dam and release the harness from the two plastic clips. Remove the two factory flange nuts, one per side, that secure the active air dam to the bottom of the frame. Place the active air dam aside on a stable surface.



### Step 2

Locate and remove the center plastic cover.



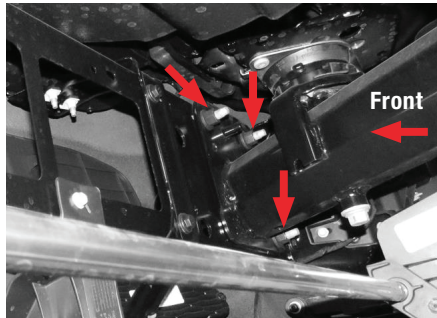
### Step 3

To install rear support brackets, the front bumper will need to be loosened. Starting on the passenger side of the frame, loosen the three factory flange nuts securing the bumper to the frame.

Repeat for the driver side of the vehicle.

#### NOTICE

Do not completely remove bumper.

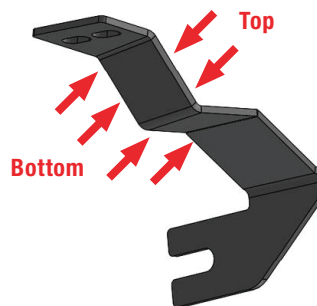


### Step 4

Select the passenger-side rear support bracket. Apply a layer of adhesive foam tape around the bracket to protect the finish on the bumper and grille.

#### NOTICE

To prevent the brackets from damaging the finish on the vehicle during installation, cover the top of the bumper and bottom of grille with removable tape, (masking tape for example).

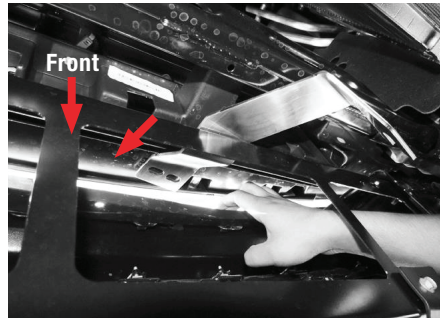
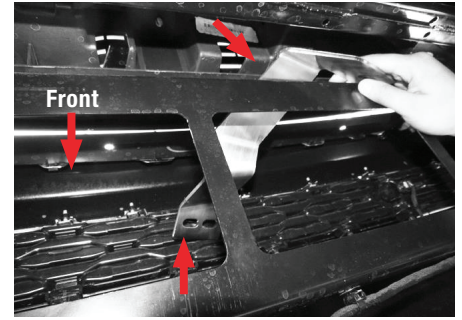
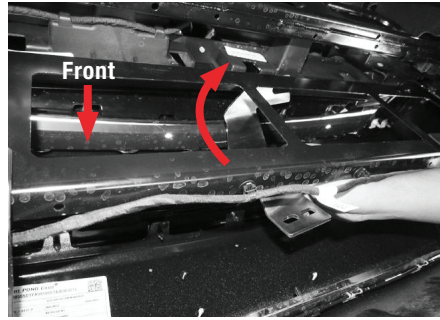
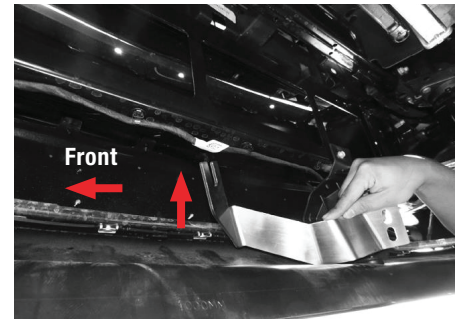
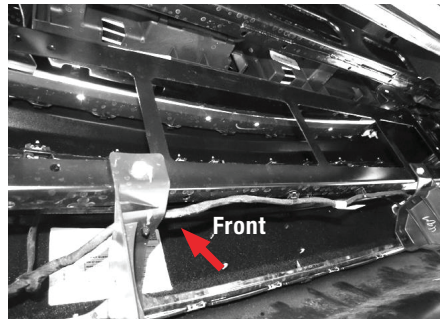


## Step 5

Starting under the center of the front bumper, insert the rear end of the rear support bracket up between the lower air dam and the bumper reinforcement brace.

Push the rear end of the bracket over the upper end of the bumper reinforcement brace. Pull the bracket towards the rear of the vehicle.

With the bumper loosened, push down on the plastic trim on the bumper and carefully slide the front of the bracket out through the opening.



## Step 6

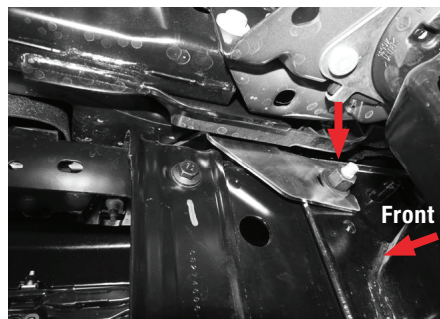
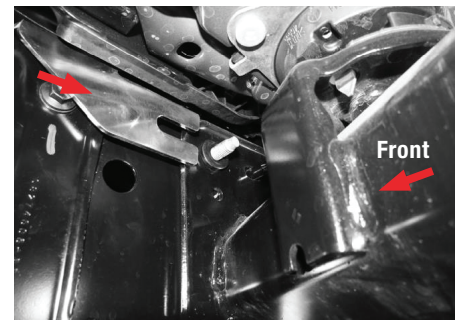
Once the front of the bracket is through the opening, carefully slide the bracket towards the passenger side of the frame.

Select an M12 spacer washer. Temporarily remove the top inner factory flange nut from the passenger side of the frame.

Slide the spacer washer over the stud on the frame. Next, align the open-ended slot on the bracket to the frame stud. Use the factory flange nut to attach the bracket to the frame.

Leave factory hardware loose at this time.

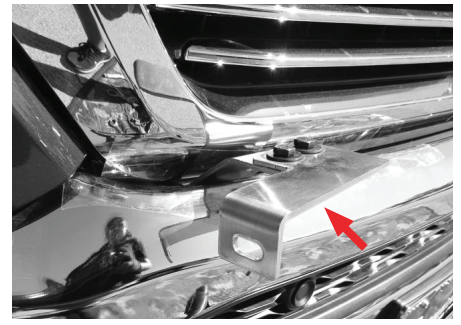
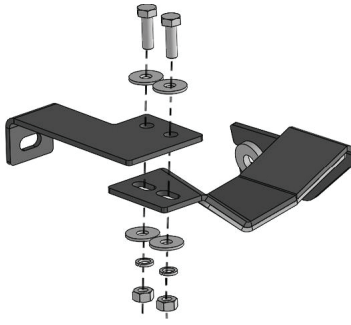
Repeat steps 4 through 6 to install the driver-side rear support bracket.



### Step 7

Select the passenger-side front support bracket. Secure the bracket to the top of the passenger-side rear support bracket using two M8 hex bolts, four M8 flat washers, two M8 lock washers and two M8 hex nuts. Do not tighten hardware at this time.

Repeat this step to install the driver-side front support bracket.



### Step 8

Determine if vehicle is equipped with tow hooks.

#### NOTICE

The rear factory bolt cannot be removed, only loosen bolt.

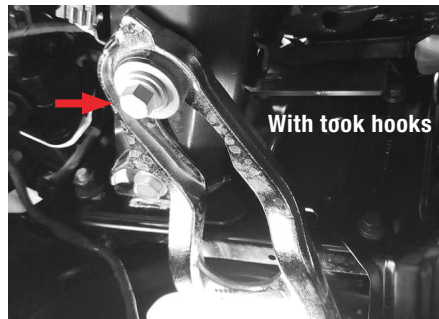
#### Vehicles equipped with tow hooks:

Remove both tow hooks.  
Tow hooks cannot be reinstalled.

#### Vehicles without tow hooks:

Loosen the factory bolts on the bottom of the frame.

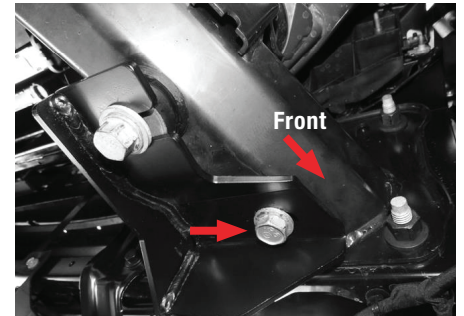
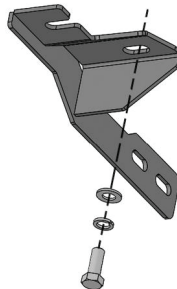
Remove the plastic covers blocking openings in bumper.



### Step 9

Select the passenger-side lower frame bracket. Slide the open-ended slot on the bracket over the loosened factory bolt. Reuse the factory tow hook bolt or use the provided M14 hex bolt, lock washer and flat washer to secure the frame bracket to the threaded hole in the frame. Snug but do not fully tighten hardware.

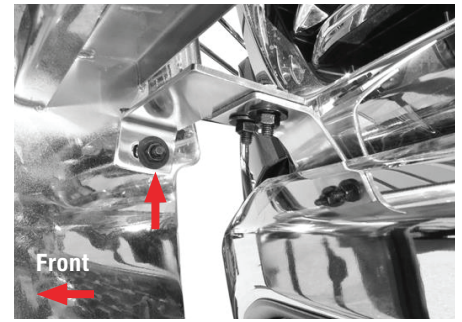
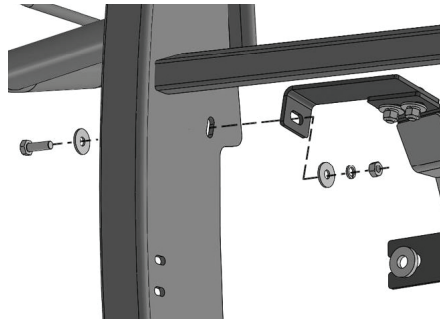
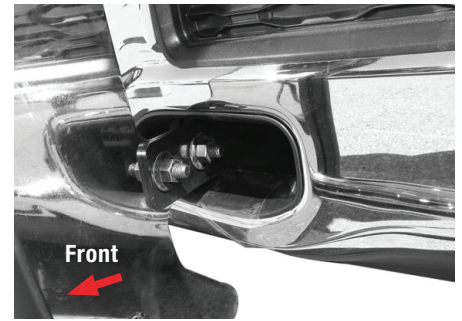
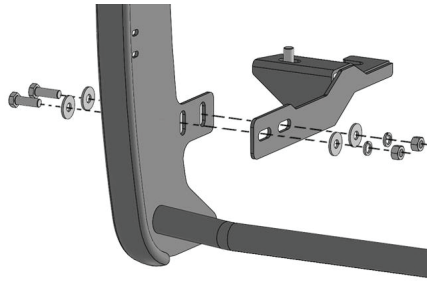
Repeat this step to install the driver-side frame bracket.



## Step 10

With assistance, hold the grille guard up to the outsides of the frame and support brackets. Secure the grille guard uprights to the lower brackets using four M12 hex bolts, eight M12 flat washers, four M12 lock washers and four M12 hex nuts.

Secure the support brackets to the grille guard uprights using two M8 hex bolts, four M8 flat washers, two M8 lock washers and two M8 hex nuts.



## Step 11

Level and adjust grille guard and fully tighten all hardware. Reinstall the center plastic cover and active air dam, if equipped.

Congratulations on the installation of your new LUVERNE Prowler Max™ grille guard.

With the grille guard installed, periodic inspections should be performed to ensure all mounting hardware remains tight.

To protect your investment, see the 'notes and maintenance' section on page one.