



## 2013-2017 Gen V Viper Carbon Fender Supports

### Overview:

The carbon fiber fender supports replace the OEM steel versions as a cosmetic and weight improvement over the factory parts.

### Compatibility:

These parts will fit any 2013-2017 Viper.

### Construction:

The fender supports are composed of clear coated carbon fiber (various twills available) with stainless steel hardware.

### Weight:

The fender supports save 1- 1.2 lbs per side.

### Ordering Information:

<http://dougshelbyengineering.com/>



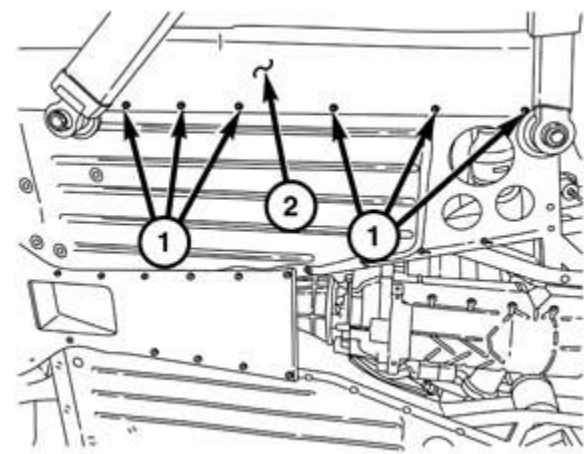
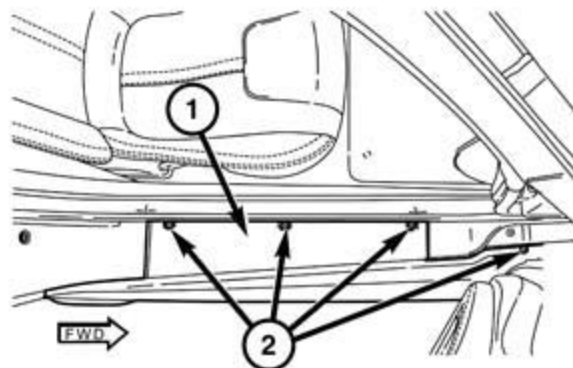
***Carbon Fiber Fender Supports in Standard 2x2 Twill***

### Installation Guide:

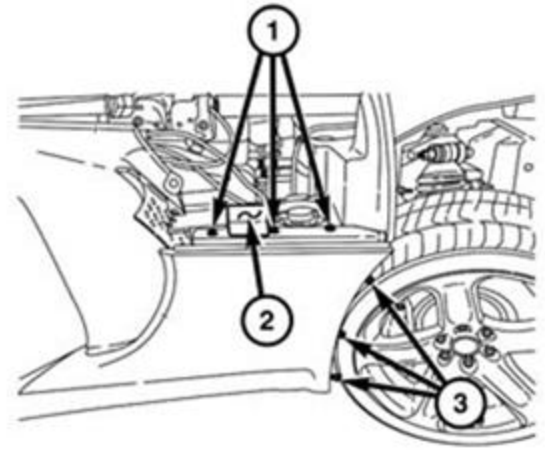
## Partially (or Completely) Remove The Side Sills

**NOTE:** Left side shown, right side typical.

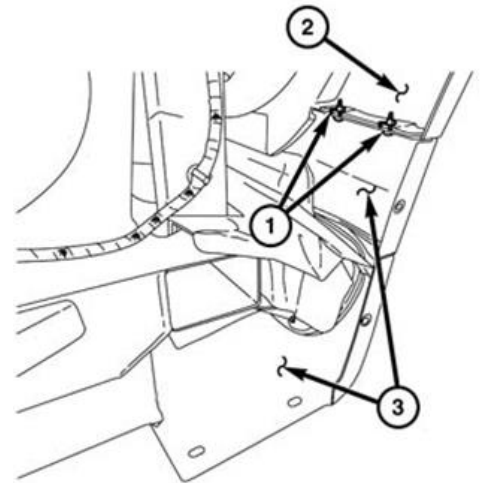
1. Open the door and remove the fasteners (2) from the sill trim panel (1).
2. Raise and support the vehicle,
3. Remove the fasteners (1) from the bottom sill trim panel (2).



4. Mark the location of the front sill fasteners (1), for proper alignment during installation.
5. Remove the front wheelhouse splash shield to sill fasteners (3).
6. Remove the fastener from the hood stabilizer bumper (2).



*Note: the sills will still be connected near the rear wheel wells (as shown in the image to the right) but they can be carefully pulled away from the frame on the front end enough to gain access to the fender supports. If preferred, remove the rear wheel splash guard to access the rear fasteners and completely remove the sills as shown above.*



## Driver Side Fender Support Removal:

Remove the 2 fasteners that connect the support to the plastic grille.

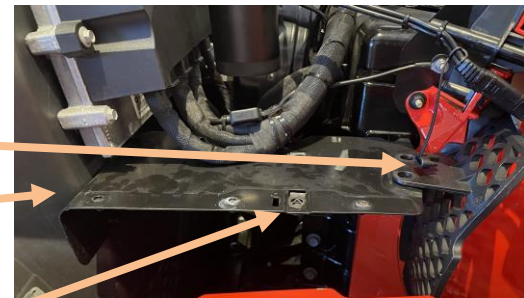
Remove the 2 screws that connect the fender support through the wheel well/splash shield.



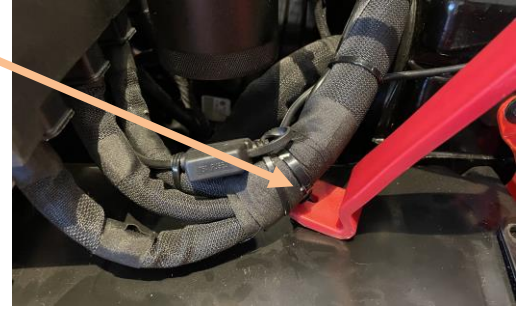
Remove the hood support / rubber bumper after noting its general position on the support. This noted position will be helpful on the installation.

Loosen the upper nut and lower bolt that secures the lower hinge cover trim piece as this will need to be pulled outward to access the rearward nut of the fender supports.

Carefully pull the hinge cover outward (if not already removed) to gain access to the lower rear nut that connects the fender support to the frame. Remove the other nut connecting the support to the frame.



Pry up cable support with a trim removal tool to separate the wiring harness from the fender support both on the top side and inside of the support. .



## Passenger Side Fender Support Removal:

Remove the 2 fasteners that connect the support to the plastic grille.

Remove the hood support / rubber bumper after noting its general position on the support. This noted position will be helpful when installing this on the new piece.

Remove the 2 screws that connect the fender support through the wheel well/splash shield. (the above steps are similar to the driver side)

### Washer Fluid Reservoir Removal

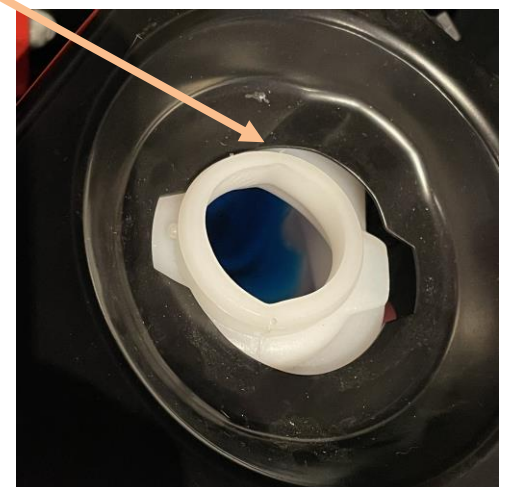
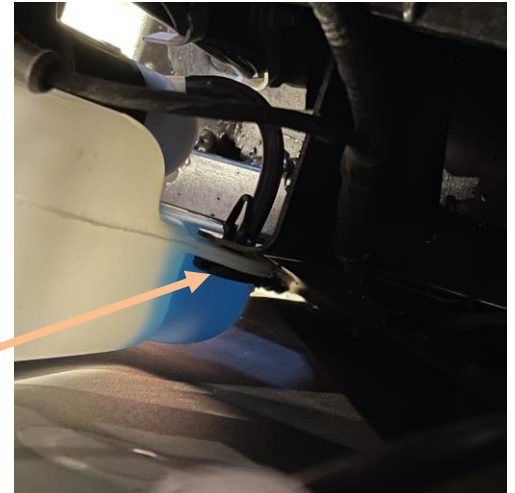
Disconnect the washer fluid reservoir from the frame with a trim tool or similar.

Disconnect the washer fluid pump connector to allow it to be removed. Pull up red locking tab before pressing to remove the connector (bottom left image).

Remove the washer fluid hose from the clips on the fender support panel (bottom center image).

Remove the 2 nuts connecting the fender support to the frame. Carefully remove the fender support from the frame taking care to clear the hinge cover.

Pull the washer fluid cap off the reservoir. Twist the reservoir from the panel to separate the two.



**Removing the washer reservoir connector, hose clips, and separating the reservoir from the fender support.**

## Carbon Fiber Fender Support Installation

Installation is largely a reversal of the removal process with a few exceptions:

The driver side has cable tie mounts installed on the part. Instead of pressing the OEM ties through the holes, use the provided ty-wraps to secure the wiring harnesses. You can either twist the OEM ties to allow them to remain installed or you can cut these free of the wiring harness and discard them.

Final installation of the hood bumpers may require some adjustment. Install as close to the original noted position as possible. To check position close the hood and observe the gaps - adjust inward or outward as needed.



### **Driver and Passenger Side Fender Supports Installed**

#### **Inspection and Maintenance:**

- Periodically inspect the fasteners to ensure they remain tight.

#### **Thank you for your purchase!**

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