



## 2016-2017 Gen V Viper ACR-E Diffuser Front Edge Hard Mount

### Overview:

The leading edge of the Gen V ACR-E diffuser is attached to the body with double stick tape. This tape is not convenient for maintenance, adding time and expense to remove, clean, and reapply every time the diffuser is removed. In addition, if it has been compromised or not installed well, this tape can come loose during driving causing diffuser damage as it will be forced down by the airflow and scrape against the track/street surface.

This kit secures the diffuser leading edge with aluminum and stainless steel hardware and eliminates the need for the double sided tape. No drilling or other modification to the vehicle is required for installation.

### Compatibility:

Gen V Vipers with the ACR-E Diffuser Installed

### Construction:

6061 T6, Black Hard Anodized Aluminum, Stainless Steel, and Viton Rubber (gaskets).

### Ordering Information:

<http://dougshelbyengineering.com/Viper.html>

DSE-VP-EA-012: ACR Extreme Diffuser Leading Edge Hard Mount / Lock (Set of 4).



**Diffuser Hard Mount Installed (Shown Not Anodized)**



**Diffuser Hard Mount Assembly (Shown Not Anodized)**

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

*Your business is appreciated and customer satisfaction is our top priority! Don't hesitate to contact us via email with any questions or feedback. Word of mouth is the best form of advertising so if you are satisfied please spread the word!*

### **Disclaimer of Liability:**

*Doug Shelby Engineering assumes no liability expressed or implied for the improper installation or use of this product or its components. Doug Shelby Engineering is NOT responsible for any damage, consequential or otherwise for equipment failure after installation.*

### **Vehicle Modification:**

*Modification of your vehicle with the parts identified above may alter its stock performance; the buyer hereby expressly assumes all risks associated with any such modification.*

### **Disclaimer of Warranty:**

*Seller disclaims any warranty express or implied with respect to the parts sold hereby whether as to merchantability, fitness for particular purpose, or any other matter.*

## Installation Guide:

- Remove the outer diffuser carbon fiber brackets (can leave the strakes installed).
- Remove the double stick tape from the diffuser and frame.
- Clean all surfaces where the tape was adhered.
- Remove the 4 rubber plugs from the frame that lie inside the larger holes near the leading edge of the diffuser.



**Diffuser Hard Mount Upper Boss Assembly Installation Progression (left to right)**

- Insert the 4 upper threaded mounting bosses into the 4 holes one at a time.
  - Insert the temporary socket cap screw into the upper boss for easier handling (hex bolt shown in photo).
  - Insert at an angle and force the gasket into the hole.
  - Use the socket cap screw to hold and center the boss in place.
  - Install the nut onto the upper mount using loctite.
  - The nut is left hand threaded. Use the socket cap screw to help tighten the nut by inserting a hex wrench.
  - Tighten until the surface of the nut is just at or below the surface of the upper boss.
- The upper section will remain in place at all times. If you need to remove for any reason, reverse the nut and remove the boss at an angle (pull the gasket off first with needle nose pliers to ease the removal process).
- Install the carbon fiber diffuser brackets as per normal, attempt to center over the upper boss if possible.
- Secure the front leading edge by using the large washers, gaskets, and button cap screws.
  - Loctite is a good idea for these screws to ensure they do not come loose.
  - Center the gasket on the washer as tightening.



**Hard Mount Completely Installed Showing Gasket Centered On The Washer.**

## Maintenance:

- Inspect the boss and screw threads at each service to ensure they have not been compromised.
- Ensure the upper boss remains tight in the frame (tighten the nut as necessary).
- Check the hardware before tracking (or periodically) to ensure it remains tight and secure against the diffuser.
- Inspect gaskets periodically to ensure they remain in good condition.