



2003-2017 Gen V Viper Window Boss Kit

Overview:

The threaded spacers that attach the driver and passenger side window to the window regulator are constructed from plastic and are prone to breakage. The DSE window boss kit completely replaces these parts with ones constructed from stainless steel and aluminum for durability.

Compatibility:

Gen III, IV, and V Vipers (2003-2017)

Construction:

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

Ordering Information:

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

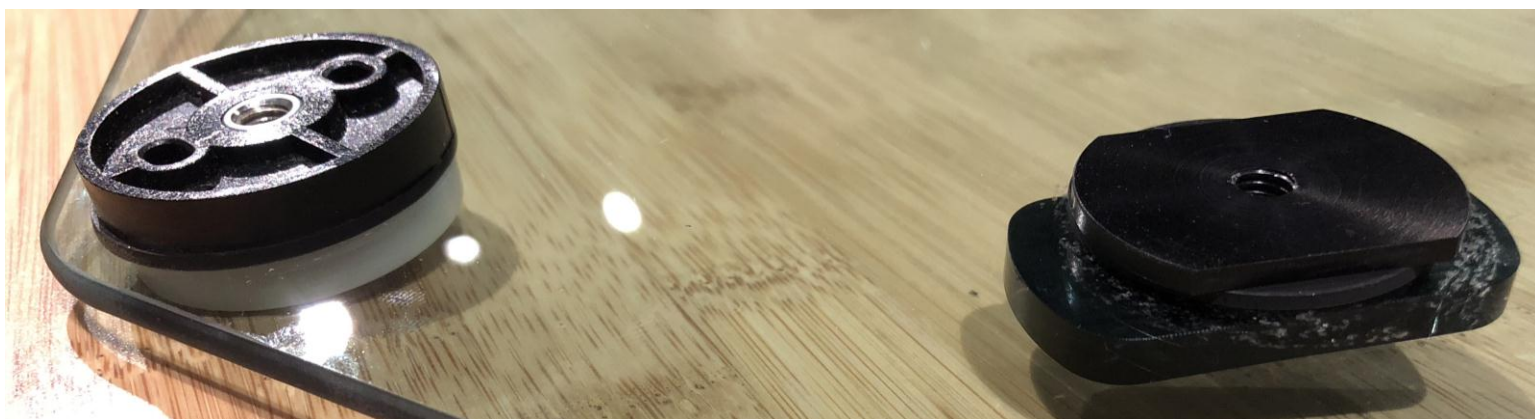
DSE-VP-WB-001: Gen III, IV, and V Window Boss Kit (1 or 2 windows)



2 Window DSE Boss Kit



DSE (Left) vs. OEM (Right) Window Boss, inside of window facing upward



OEM (Left) vs. DSE (Right) Window Boss, outside of window facing upward

Installation Guide:

- Installation of the window bosses can be completed with the window installed or removed from the vehicle. See the service manual for your particular model year for instruction on accessing the window and regulator.
- Remove the OEM boss. Twist the plastic pieces apart. The pieces thread together using a left handed thread. Discard or keep the OEM parts but they will no longer be needed.
- Prepare the window boss kit for installation. Note the black plastic with stainless insert replaces the OEM white spacer on the inside of the window. The aluminum piece replaces the OEM black part on the outside of the window.

- The stack up of the DSE window boss should be as follows (inside window to out):
 - Stainless steel nut and black plastic spacer
 - Window Glass
 - Gasket
 - Threaded aluminum piece
- To install in the window place the black plastic/stainless piece into the hole on the inside of the window. If the window is upright (still installed in the vehicle) hold the stainless steel piece in place so it does not fall out.
- Apply Loctite to the *external / male* threads on the aluminum part. Place the gasket on the aluminum piece and insert on the opposite side (outside) of the window to thread into the stainless steel nut.
- Tighten the two pieces together by hand or by using an adjustable wrench. Hold the gasket so that it remains relatively centered between the aluminum piece and window glass. The diameter is roughly the same as the rounded aluminum section. Do not tighten so much that the aluminum threads protrude above the stainless steel nut.
- When installing the M6 bolts that hold the window to the window regulator, ensure the two pieces don't twist apart during tightening (keep your hand or a wrench on the aluminum part), especially if the Loctite has not had ample time to cure.

Overview of replacement while the window is installed on a Gen V (see service manual for other model years):

- Remove the door panel
 - Remove the 2 or 3 trim pieces required to access the screws holding the door on.



Gen 5 Door Panel Bolts on a 2017



Backside of trim pieces removed to gain access to screws

- With the screws removed pull outward on the door trim, do not pull trim too far away from the door



Backside of door trim showing multiple electrical and mechanical connectors and tethers

- Disconnect the multiple electrical and mechanical connectors attaching the door trim to the door
- Peel back vapor barrier from the two sections shown



Peel back vapor barrier shown to allow access to window/regulator bolts

- Position window to allow access to the 2x regulator bolts and remove them.
- Find a window position that allows easiest access to the window bosses through the larger hole in the door. Raising the window and allowing it to angle downward can provide clearance. Multiple positions may be needed to access each boss. *Note: when raising or lowering the window use your hand to help guide it up or down as it is no longer attached to the rear side of the regulator.*
- Remove the OEM parts by twisting apart, keeping in mind the thread is left handed.



Window aligned to allow access to regulator bolts

- Prepare the DSE bosses (see Installation Guide above). Install the plastic/stainless piece in the window and keep your hand on it to hold together and in place.
- Thread in the aluminum part (male threads prepped with Loctite). Hold gasket to keep it centered while tightening.
- Once both bosses have been installed return window to the location required to access both regulator bolts through the door.



DSE Bosses Installed in Window Prior to Attachment to the Regulator

- Thread in the bolts that attach the window to the regulator. Keep your hand on the back side to ensure the boss isn't twisting with the bolt and remains tightened. Fully tighten regulator bolts.
- Test window operation (up/down) to ensure all is working properly.
- Reinstall the vapor barrier, electrical connectors and mechanical tethers, door trim, trim screws, and access panels.

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