



## LVFCB—Venom Brace



This front chassis brace is designed to add some stiffness to the chassis to help improve cornering stability and speed.

Installation time of the brace depends on you and your mechanical skills. It is suggested that you read through the directions a few times to familiarize yourself with the components of the kit, and your car.

If you are pretty handy with tools the brace can be installed in less than 30 minutes, however we suggest that you schedule at least an hour for

the installation incase you run into any problems.

If you have any questions during the installation you can call us at (864) 907-6004 or email us at [Tech@ddmworks.com](mailto:Tech@ddmworks.com)

### Tools Needed

13mm socket

3/8" drive extension

13mm Box Wrench

### PACKING LIST

QTY	ITEM
1	DDM-12-18 LVFCB



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Automotive Performance Specialists

Rev.B 6/13/12 MJB

## Installing the LVFCB—Venom Brace

When installing the LVFCB-Venom Brace it is best to install the brace while the car is sitting on the ground, but the install can also be done with the car on jackstands.

1. Start by disconnecting the negative battery terminal from the battery.
2. Then disconnect the fan plug, to do this look for the plug on the passenger side of the fan. The plug comes off by squeezing the tab on it and a slight pull.
3. Now if you look at the frame rails in the engine bay, you will see a bolt on the top and the side of each frame rail. These bolts are located just in front of the engine on the rails. These bolts are found on both the passenger and driver's side frame rails, which makes a total of 4 bolts. Using the 13mm socket or box wrench, go ahead and remove all 4 of these bolts.
4. To help identify which side of the brace goes on the drivers side, a small "D" is cut into the drivers side of the brace. With the bolts removed we are going to slide the brace into place. To do this, turn the brace upside down, so that the legs are pointing up, then slide the brace down between the engine and the fan. To do this you will need to tilt the brace at an angle of 20-25 degrees. Once it is across the engine bay to the other frame rail, go ahead and twist the brace so that the legs point down. Lastly slide the brace on top of the frame rail.
5. When getting the brace into the correct position, the A/C lines on the drivers side may need to be moved slightly to clear the new brace, this is not needed on all cars, but some do require it.
6. With the brace in place, line the holes up with the bolt locations and start all of the bolts into the brace, but do not tighten any of them down until you have all of the bolts started.
7. With all of the bolts started, tighten down the **top 2 bolts first.**
8. Once the top 2 bolts are tight, tighten down the 2 lower bolts next. The drivers side bolt is the trickiest to get to and may require an socket extension to reach. Also if you have any ratcheting wrenches, this is a good time to use them.
9. The brace is installed, now **plug the cooling fan back in** and reconnect the battery, you are done!

