

2015+ Dodge Challenger Rear Diffuser Installation Instructions

Evans Motorsport Performance Rear Diffusers are Made in USA

Visit www.EMP.parts and go to the 2015+ Challenger EMP Rear Diffuser page to view installation video.

Tools Needed:

3/8" and 7mm Socket or Wrench,
1/8" Allen Wrench or Hex Bit,
Power Drill, Phillips Bit or Screwdriver,
Vehicle Jack, Jack Stands and
Wheel Chock, Thread Locker

Assembly Hardware Provided:

14 - 10-32 1/2" Bolts
8 - 10-32 3/4" Bolts
18 - Split Lock Washers
18 - 10-32 Nuts
12 - L-Brackets
(HDPE version has less hardware)

Installation Hardware Provided:

6 - 1.25" 10-32 Bolts | 6 - Nylock Nuts | 6 - Washers
4 - Short 3/4" #10 Screws
4 - Long 2.25" #10 Screws
8 - External Star Lock Washers
4 - Angle Spacers

Perform installation at your own risk. We are not responsible for damage to vehicles or injury to persons during installation and/or use of the Rear Diffuser.

1. Place vehicle on a flat surface in park with parking brake on, place chocks around tires and double check everything and surroundings to be sure all is safe before jacking rear of vehicle up and starting installation. Assembly of rear diffuser required prior to installation.

2. Insert 1/2" 10-32 black bolts into holes shown through top of center plate then place L-brackets over screws on bottom side then black lock washers and hex nuts. Leave nuts loose. Can add thread locker to all bolts.



3. Insert blade into slot while holding angle braces in place. make sure hole in blade is on same side as L-brackets (bottom).

Tip: All assembly hardware should be tight with thread locker added but mounting hardware in bumper plastic should not be overtightened or you risk stripping bumper plastic.



4. Insert 3/4" 10-32 bolt pointing to center then place black lock washer on bolt then hex nut. Fully tighten with 1/8" bit and 3/8" wrench. Check that blade is straight then tighten other 2 bolts.



Repeat steps 2-4 for the remaining 3 center section blades

5. Place angle spacer on top of center section over slot next to blade with taller part facing EMP logo side. Install 3/4" 10-32 bolt from the bottom side into the center threaded hole in spacer. Do not tighten all the way. Repeat for 3 remaining spacers.



6. Repeat blade attachment process for the 2 side blades. Make sure they are mirrored from each other when assembled. L-bracket closest to point will only have one bolt as the other hole is used to mount to car.



7. INSTALLATION: Remove 4 existing plastic rivets in bottom of rear bumper. They are 2-piece and the bottom piece has to be removed before you can remove the top piece touching the bumper.



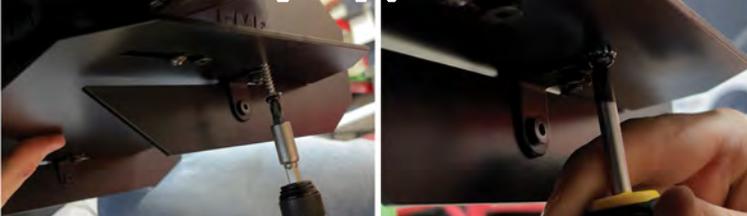
8. Place 1.25" bolt into hole shown on angle spacer from bottom of center section then insert bolt into hole in bumper where plastic rivet was removed. Place a regular washer on bolt then finger tighten nylock nut onto bolt. Repeat for 3 remaining holes.



9. You can now adjust the distance of the diffuser center section from the bumper. Hold up so angle spacers will be touching the bumper and ensure tips of the blades aren't touching the bumper. Prop the diffuser in place or have someone hold while the 4 nylock nuts are being fully tightened.



10. Take one of the longer #10 install screws, place an external star lock washer on it, then insert into one of the slots and through a spacer, then screw it into the bumper plastic. Repeat for remaining slots. Do not over tighten these screws! If using a power tool, get screw started then finish tightening by hand.



11. SIDE BLADES: Remove the plastic rivet under the side of the bumper by exhaust tip.

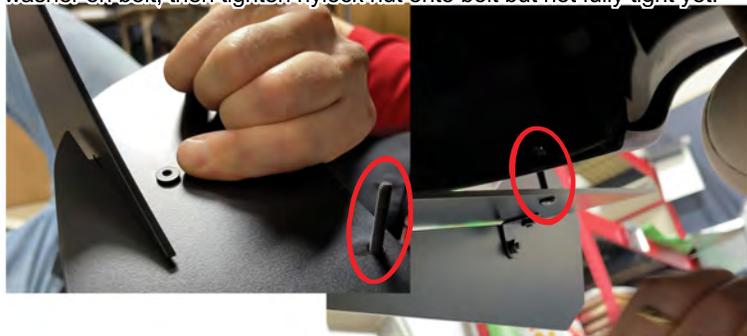


Side Blade Install Hardware

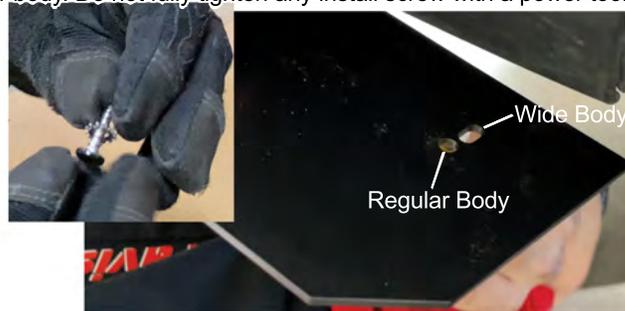
Perform installation at your own risk. We are not responsible for damage to parts or vehicles or injury to persons during installation and/or use of these rear diffusers. Automatic car wash not recommended. Always hand wash car after diffuser is installed.

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12. Insert 10-32 bolt shown in hole shown on side blade holder then insert bolt into hole where plastic rivet was removed. Place regular washer on bolt, then tighten nylock nut onto bolt but not fully tight yet.



13. Use a shorter install screw with an external star lock washer to attach the other end of the side blade held in place by the bolt from step 12. Use the small slot if your Challenger is a wide body or the hole if regular body. Do not fully tighten any install screw with a power tool.



14. For regular body Challengers, the area of plastic for this screw is small so take extra care to get screw into plastic without going over edges while also trying to keep screw hidden from view from the side of the car. For wide bodies, be sure that the middle screw hole from step 15 is in a good position and placement of side blade holder in relation to outside edge of bumper is to your liking before you install this screw. Do not fully tighten yet.



15. Take another shorter install screw and external star washer and install it in the L-bracket hole as shown. Do not fully tighten yet.



16. Repeat steps 11 through 15 for the other side blade.

17. Go back and hand tighten all mounting screws being careful not to over tighten and strip out bumper plastic. Double check that all is secure before driving.



DONE! Check out our other premium parts and continue raising the bar.

Perform installation at your own risk. We are not responsible for damage to parts or vehicles or injury to persons during installation and/or use of this Rear Diffuser. Automatic car wash not recommended. Always hand wash car after Rear Diffuser is installed. Periodically check all screws and bolts to ensure they remain tight and Rear Diffuser is solidly attached. Only tighten screws again if loose. Do not over tighten screws. Do not drive car with loose Rear Diffuser screws/bolts. EMP is not responsible for products beyond initial quality and condition due to conditions, installation quality and other factors beyond our control.

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