

# 2015-2021 Ford Mustang EMP Rear Diffuser Installation Instructions

Evans Motorsport Performance Rear Diffusers are Made in USA From 1/8" aluminum and powder coated matte black.

Visit [www.EMP.parts](http://www.EMP.parts) and go to the Mustang Rear Diffuser page to view installation video.

## Tools Needed:

Phillips Screwdriver and/or  
Power Drill/Driver with Phillips Bit  
7mm Socket or Wrench  
3/8" and 1/4" Socket or Wrench  
1/8" Drive Bit  
Thread Locker (recommended)

## Assembly Hardware Provided:

12 - 10-32 1/2" Stainless Steel Black Screws  
6 - 10-32 3/4" Stainless Steel Black Screws  
18 - 10-32 Stainless Steel Black Nylock Nuts  
12 - Stainless Steel Black Angle Braces

## Installation Hardware Provided:

11 - #10 3/4" Stainless Steel Black Screws  
11 - #10 Stainless Steel Lock Washers  
2 - #8 Stainless Steel Screws  
2 - Stainless Steel Screw On Washers

Hardware may differ from above and HDPE versions have less assembly hardware.

1. Place vehicle in park with parking brake on and chock tires. Double check everything and surroundings to be sure all is safe before starting installation.

2. Insert 1/2" Black Screw into hole shown through top of support plate then place angle brace over screw then black lock washer and hex nut. Leave nut loose. Can add thread locker to all screws if desired.



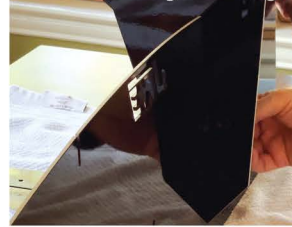
3. Repeat for next hole shown.



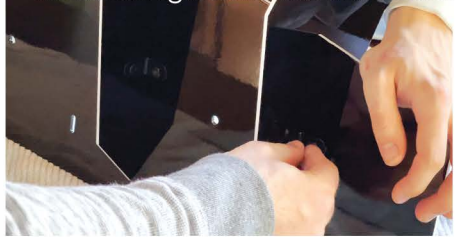
4. Insert large blade into slot while holding angle braces in place. make sure hole in blade is on same side as angle braces.



5. Insert 3/4" screw from side shown then place lock washer on screw then hex nut. Fully tighten this screw with 1/8" bit and 3/8" wrench. Check that blade is straight then tighten other 2 screws.



6. Repeat process for medium blade in outer slot then repeat on the other side for a total of 4 blades installed. Double check that all screws are tight and center section is done.



7. Repeat process for small single side blades. Make sure they are mirrored from each other when assembled



You are now ready to move on to installation. Be sure vehicle is on a flat surface, in park (auto), emergency brake is on and chocks are put under tires to keep from rolling.

8. INSTALLATION: Remove 2 existing bolts in center of stock diffuser with 7mm wrench



## IMPORTANT:

For added security AFTER installing silver screws in middle slots, add silver screw on washers to silver screws from the top

9. Carefully maneuver center diffuser section under car and align center 2 slots with holes of the screws that were just removed.



10. Use silver screws with small lock washers to mount center diffuser section. Pinch the middle of the stock diffuser and EMP diffuser together to get screws in further and ensure it is secure before letting go. Place a pad on ground underneath just in case.



11. Diffuser is slotted so you can adjust how far out you want the diffuser. Once diffuser is in place, tighten silver screws with 1/4" wrench and ensure diffuser remains straight and at the distance from the car you desire.



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.

[www.EMP.parts](http://www.EMP.parts)  
Evans Motorsport Performance



# 2015-2021 Ford Mustang EMP Rear Diffuser Installation Instructions

12. Place lock washer on black screw and screw into stock diffuser blade. Make sure diffuser does not move. Do this for all 4 mounting screws that screw into stock diffuser blades. 1 screw per blade for 15-17



NOTE: For 2015-17 model add a screw in the center hole under reverse light (optional on 2018+ due to larger gap). Do not over tighten screws. You could strip out the plastic in the stock diffuser. If this happens, obtain a larger #12 stainless steel screw.

13. Go back and hand tighten all mounting screws being careful to not over tighten and strip out plastic in stock diffuser. Periodically check all mounting screws to ensure they remain tight.



Center section done. Now on to the outer side blades.

14. Side blades can line up with edges of side rocker behind rear tires or be further to rear of car and mounted at blade distance from rear of car you desire. Clamping in place helps a lot.



15. Double-check that side blade is still in the position you desire, then install screw closest to tire, then rear screw and lastly the center screw.



16. Hand tighten all side blade mounting screws. Be sure to not over tighten and strip out side rocker plastic. Repeat full side blade process for other side blade.



2015-17 Non-Premium and Premium



Place 2 screws in each outside slot

2018+ GT



Place 2 screws in each stock blade

2015-17 Premium



Place 1 screw in each stock blade

2018+ EcoBoost



Place 2 screws in each outside slot

Periodically check all screws to ensure they remain tight. **ONLY TIGHTEN AGAIN IF LOOSE.** Do not over tighten when installing screws into stock diffuser. If screw strips out of plastic, use a larger screw or a bolt and nut and do not drive with diffuser installed until fixed. EMP is not responsible for products beyond initial quality and condition due to conditions, installation quality and other factors beyond our control.



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

**View the white plastic EMP screw support install video on our website if they are included with your aluminum diffuser**

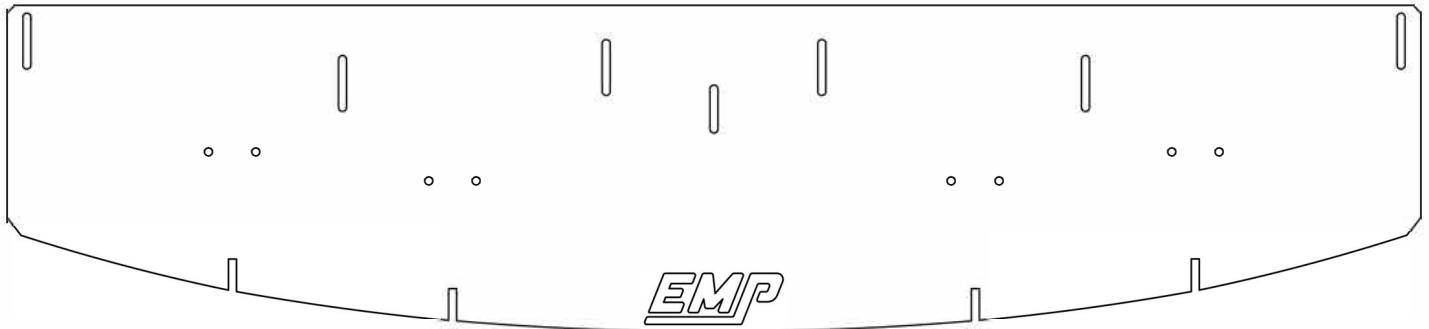


**Video can be found at bottom of Mustang Aluminum Rear Diffuser page**

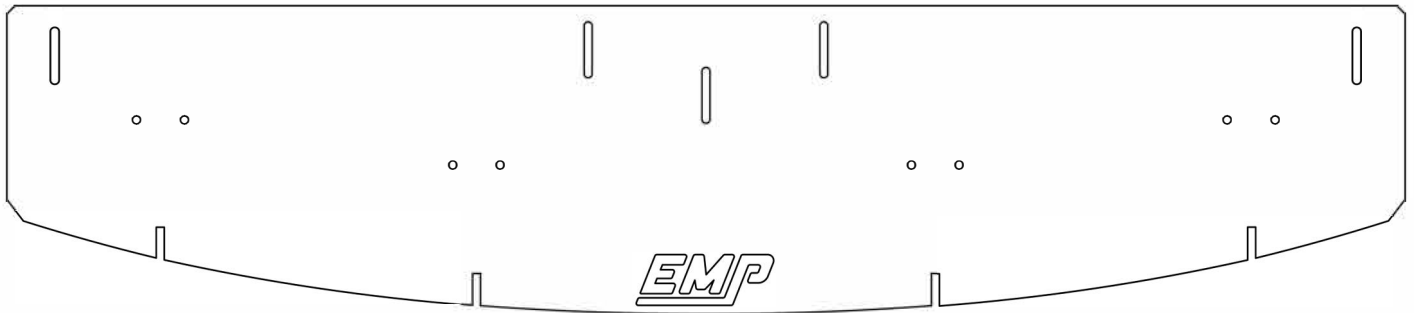
**www.EMP.parts**  
Evans Motorsport Performance

# 2015-2021 Ford Mustang EMP Rear Diffuser Installation Instructions

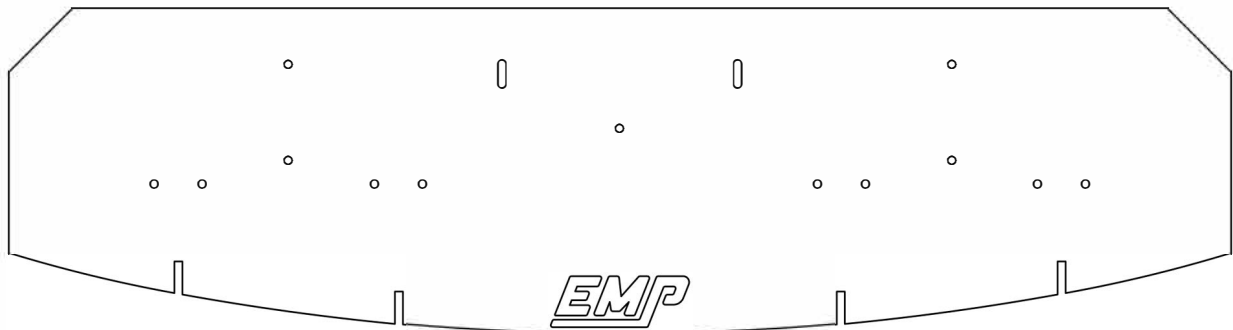
**Before assembling, please make sure you have ordered and received the correct diffuser by comparing the large center section to the pictures below.**



**2015-2017 Mustang EcoBoost, V6 and GT**



**2018-2023 Mustang EcoBoost (dual exhaust not quad)**



**2018-2023 Mustang GT and EcoBoost High-Performance (quad exhaust)**