

DODGE CHARGER DIFFUSER INSTALLATION INSTRUCTIONS

Tools Needed:

- Friend/helper
- 5/32" allen head wrench
- 7/16" socket + ratchet wrench OR open end wrench
- ¼" or 5/16" drill bit
- 7mm socket
- 13mm socket (possibly)
- Pencil
- Rivnut installation tool w/ ¼"-20 insert
- Flat head screwdriver or clip remover
- Ruler or measuring tape
- Masking tape

Included in Center Diffuser Only Kit:

- (1) Center Diffuser
- (2) ¼"-20 x 1" Stainless steel countersunk bolts
- (2) ¼"-20 x 1.25" Stainless steel countersunk bolts
- (2) ¼"-20 nuts (to help with installation)
- (4) ¼"-20 Zinc nyloc nuts
- (4) ¼" Stainless steel small washers
- (4) ¼" Black countersunk washers
- (2) 10mm spacers

Additionally Included in Functional Add-On Kit:

- (1) Functional add on piece w/ pre-installed ¼"-20 rivnuts
- (5) ¼"-20 x 1" Stainless steel HEX HEAD bolts
- (2) ¼"-20 x 4" Stainless steel HEX HEAD bolts
- (7) ¼" Stainless steel small washers
- (7) ¼" Lock washers
- (2) M8-1.25 x 100mm bolts
- (2) M8 washers (5/16"ID, 1.25" OD)
- (2) M8 lock washers
- (2) 3" long spacers
- (3) ¼"-20 (7/16" hole size) steel jack nuts (1 extra)

Additionally Included in Outer Pieces Kit:

- (2) Outer pieces - a left & right
- (2) ¼"-20 nuts (to help with installation)
- (6) ¼"-20 x 1" Stainless steel countersunk bolts
- (6) ¼"-20 Zin NYLOC nuts
- (6) ¼" Stainless steel small washers
- (6) ¼" Black countersunk washers

We'll start by explaining the center diffuser, then the functional piece, then the outer pieces.

Steps:

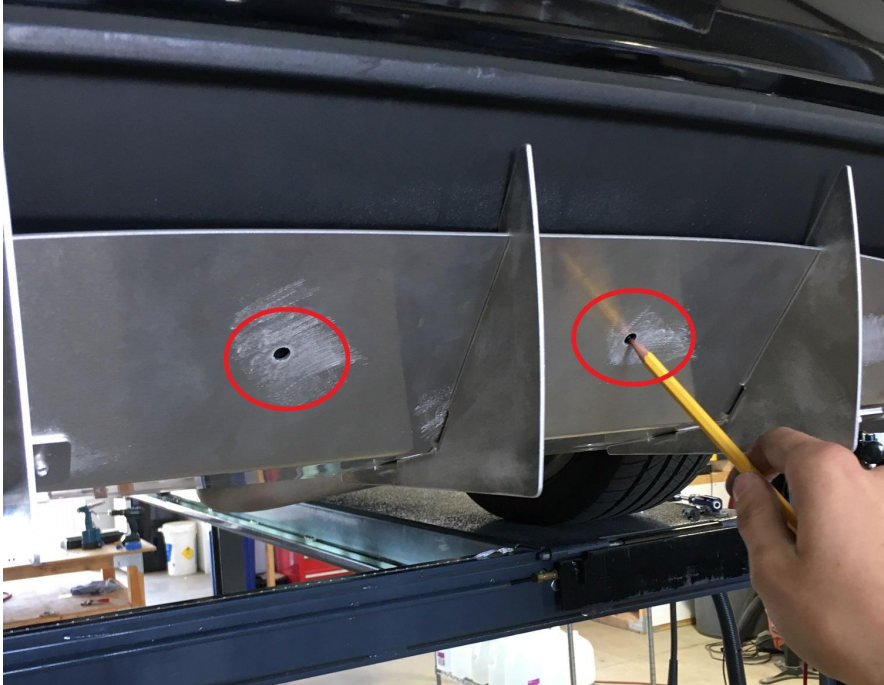
- 1.) Begin by securing the back end of the car on jack stands / a lift.
- 2.) Identify and remove the four 7mm screws found just under the rear valance in the center. Save 2 of them for later use.



3.) Install the center diffuser into the outer two holes of the OEM valance. Use the 1/4"-20 x 1" countersunk bolts & black countersunk washers pointing upward, and 1/4" stainless steel washers & nuts (NOT NYLOC) on top. Leave hand tight - center the bolts in the slots.



4.) Mark the two designated holes on the rear valance using a pencil or marker that will show up on the black valance.



5.) Remove the diffuser from the car and drill the holes just marked. Only go through the valance. Use a $\frac{1}{4}$ " or $\frac{5}{16}$ " drill bit.



6.) Install your center diffuser into the two holes just drilled. Use $\frac{1}{4}$ "-20 x 1.25" long bolts and countersunk black washers upward - ***place a 10mm spacer*** between the diffuser and valance for both holes. Use $\frac{1}{4}$ " stainless washers and $\frac{1}{4}$ "-20 nyloc nuts on the inside. Tighten securely.



7.) Reinstall the center two 7mm screws from step 2.

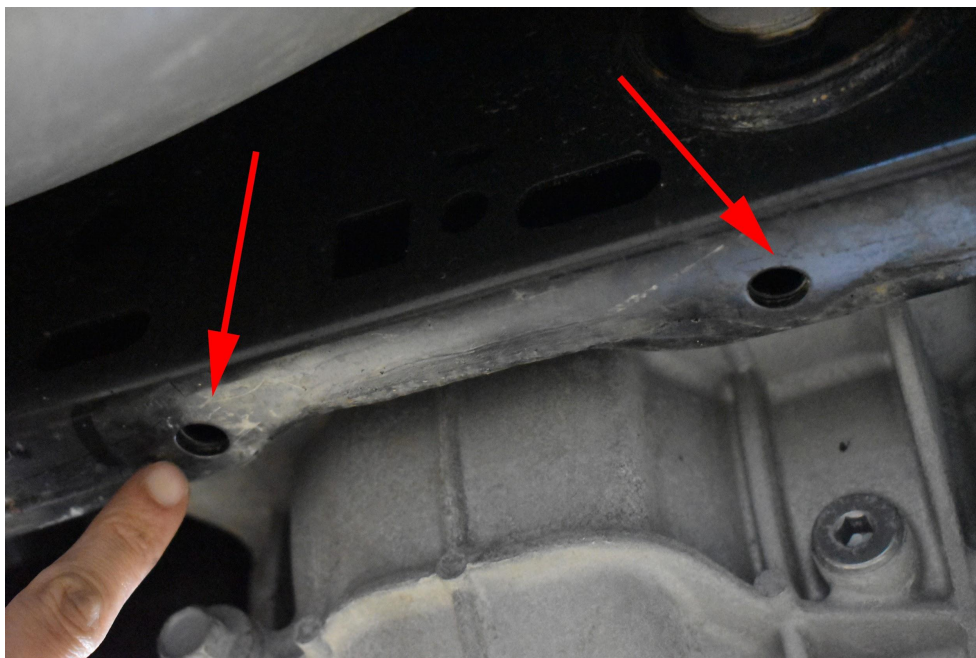


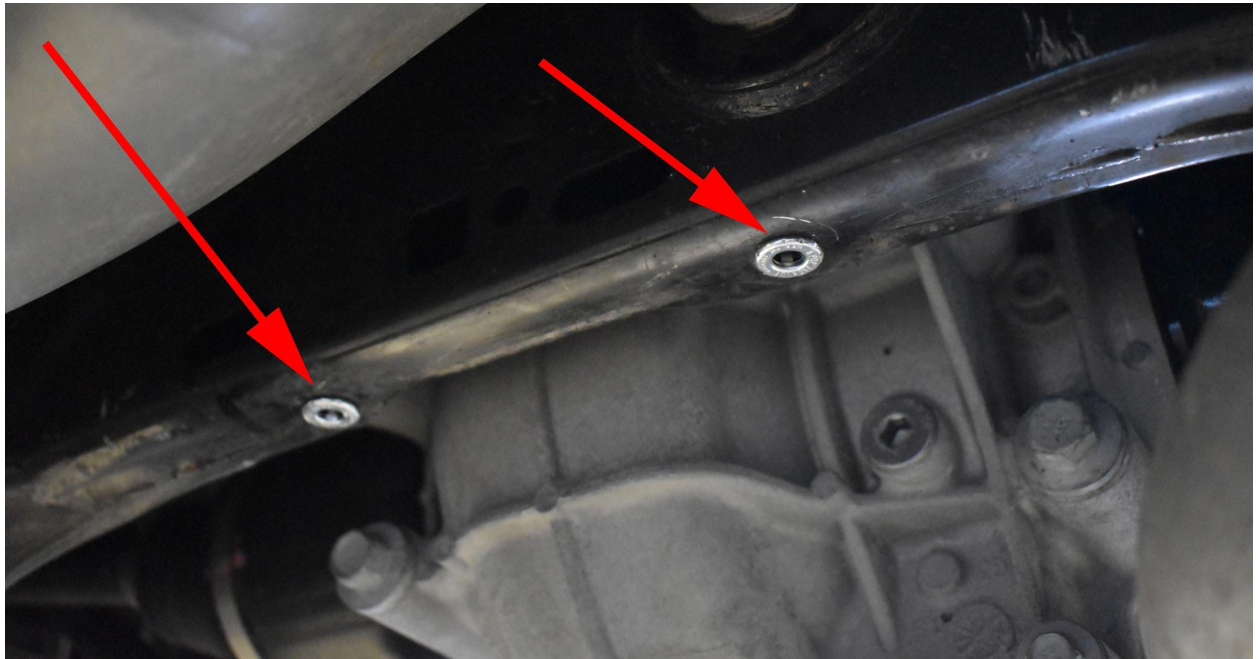
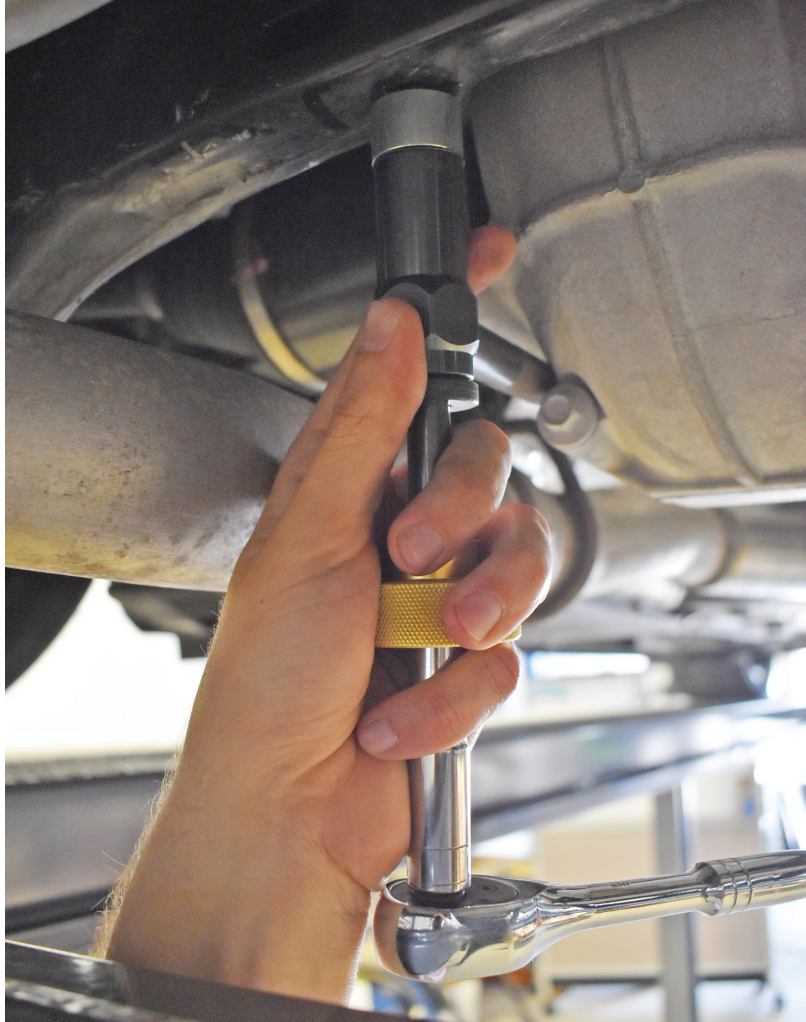
8.) Install 1/4"-20 x 1" countersunk bolts and countersunk washers into the outer two holes in the valance. Use 1/4" stainless steel washers, and 1/4"-20 nyloc nut - securely tighten. The center is done!!!!



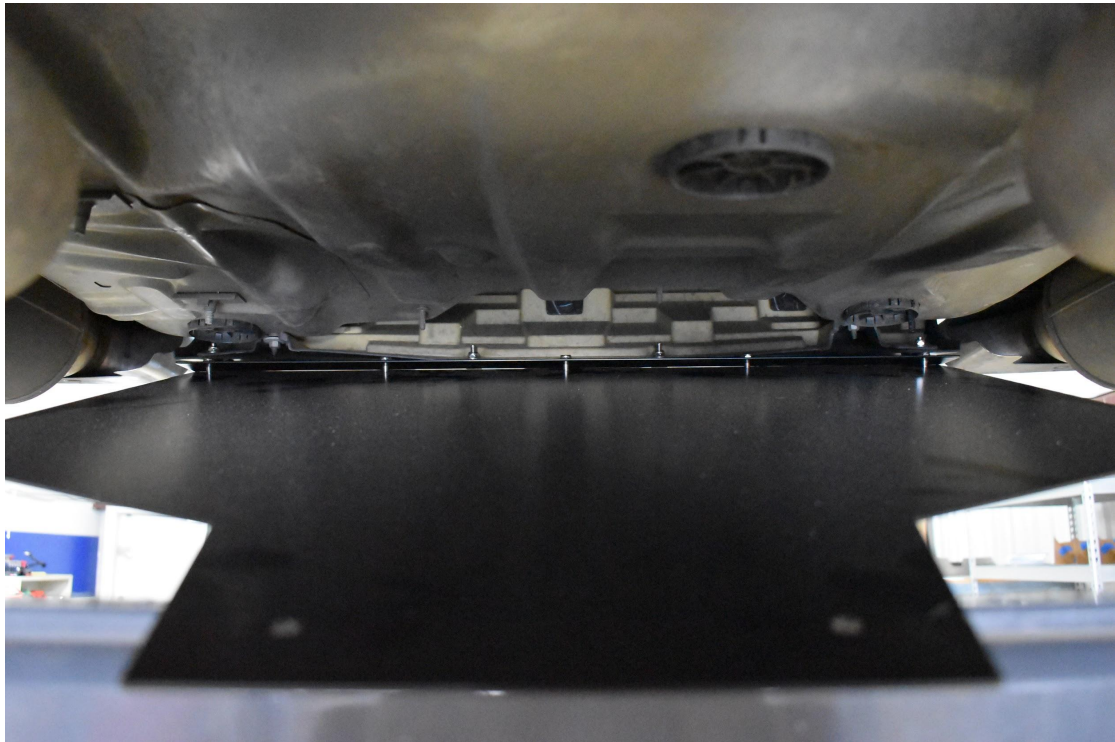
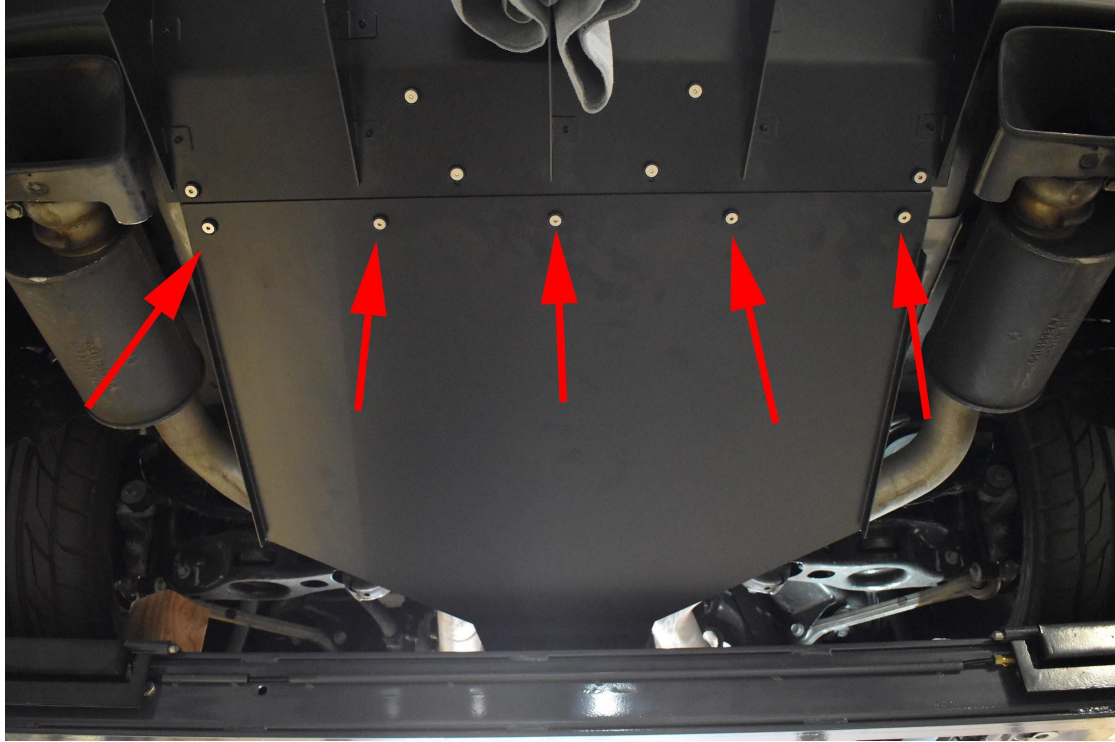
9.) To install the functional piece identify whether or not the two holes in the subframe (behind the differential) are threaded. If they are NOT threaded you will need to use your rivnut tool and ¼"-20 threaded insert to install the supplied jack nuts into the holes. Do NOT over tighten the jack nuts. Tightening too much will break them in half. If you need help installing jack nuts use online sources. You can actually feel the top of the jack nut through another subframe hole to make sure it has been securely appropriately.

If the holes ARE threaded then move to the next step.





10.) Install your functional piece onto the center diffuser. Use 1/4"-20 x 1" long hex head bolts pointing upward - thread into the pre-installed rivnuts. USE the 1/4" washers and 1/4" lock washers under the heads of the bolts. Face the folds on each side downward. Securely tighten.
(Challenger diffuser shown, same kind of install).



11.) Install your functional piece onto the subframe.

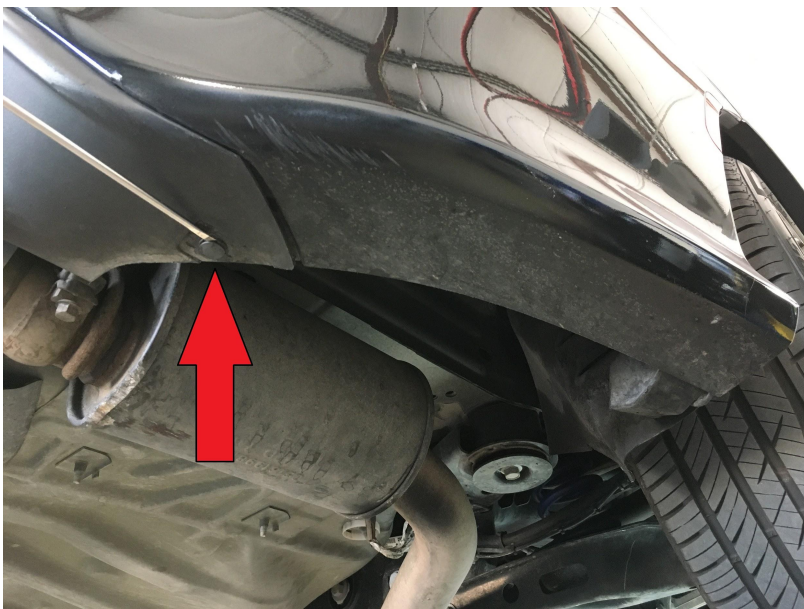
→ If you installed jack nuts use 1/4"-20 x 4" long bolts with 1/4" lock washers and 1/4" washers under the heads. Use the supplied 3" spacers in between the functional piece and subframe. Snug so the lock washers close → do not over tighten.

→ If your holes are threaded use M8-1.25 x 100mm long bolts with M8 lock washers and M8 washers under the heads. Use the supplied 3" spacers in between the functional piece and subframe. Snug so the lock washers close → do not over tighten.



12.) If you only purchased the center diffuser and functional piece you are done! If you purchased the outer pieces, keep reading.

13.) For the outer pieces start by removing the outer clips in the underside of the outer valance. Use a flat head screwdriver and/or clip remover.



14.) Place blue tape on the underside of the bumper just behind the tires. Then install the outer pieces into the hole from the previous step. Use ¼"-20 x 1" countersunk bolts & countersunk washers on bottom, and ¼" washers and ¼"-20 nuts (NOT NYLOC) on top. Hand tighten.



15.) Rotate the outer pieces so they are flush with the fender well and mark the holes onto the masking tape.





16.) Remove the outer pieces, then drill the holes with a $\frac{1}{4}$ " or $\frac{5}{16}$ " drill bit. Then remove the tape.



17.) Install the outer pieces onto the bumper using the ¼"-20 countersunk bolts & countersunk washers, and ¼" washers + ¼"-20 nyloc nuts on top. Tighten securely.



18.) YOU ARE DONE!!! Enjoy your new diffuser!!!