2021+ FORD RAPTOR & F150 3.5L ECOBOOST COLD AIR INTAKE

INSTALL INSTRUCTIONS

Introduction ///

The goal of AMS Performance is to provide the highest quality, best performing products available. By utilizing research and development, and rigorous testing programs AMS Performance will never compromise the quality or performance of our products. In addition, AMS Performance will only provide the finest customer service offering only parts and advice that are in the best interests of the customer. AMS Performance was built on a foundation of integrity. This is who we are. This is what you can count on.

A vehicle modified by the use of performance parts and tuning may not meet the legal requirements for use on public roads. AMS Performance makes no claims of compliance unless otherwise stated on a per-product basis. Use or installation of performance parts and tuning may adversely affect the drivability and reliability of your vehicle, and may also affect or eliminate your insurance coverage, factory warranty and new OEM part warranty. There is no stated or implied guarantee by AMS of continued OEM vehicle warranty, insurance coverage, or emissions compliance, due to the stress placed on your vehicle by performance parts and our inability to monitor its use, tuning or modification.

These instructions are not intended to be a comprehensive guide for installation as there are many variables that may affect your particular vehicle, including but not limited to model year differences, sub-model/trim/optional equipment differences, the presence of non-OEM parts, or other modifications that may have previously been completed. A basic understanding of automotive parts and systems and novice mechanical skills should be all that is necessary for installation, but certain circumstances may necessitate professional installation.

AMS Performance is committed to providing quality support for our products. If you are in need of technical support, installation help, or a replacement component, our Customer Service Team is available directly via telephone at 847-709-0530, or digitally via the contact form linked here: amsperformance.com/support

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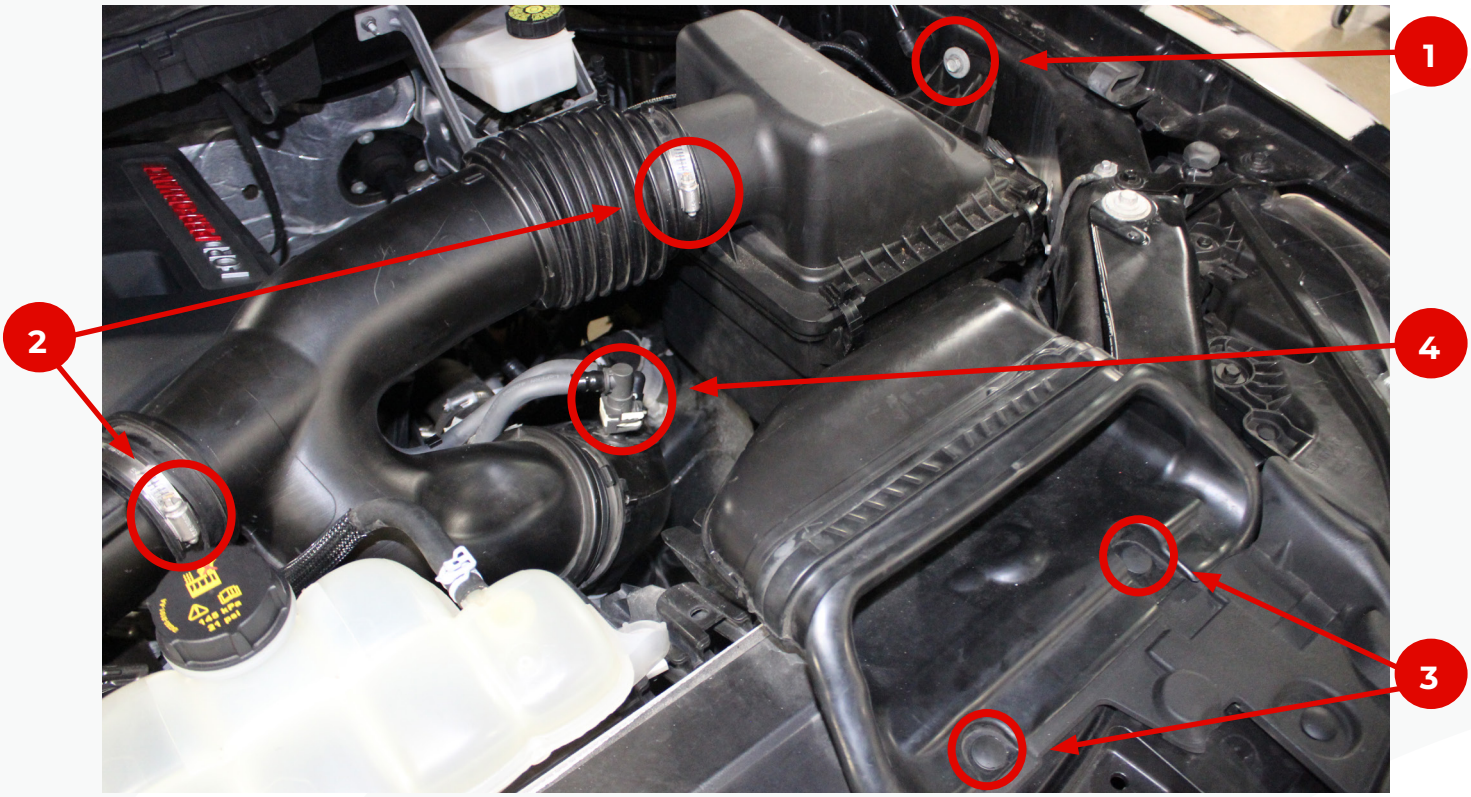
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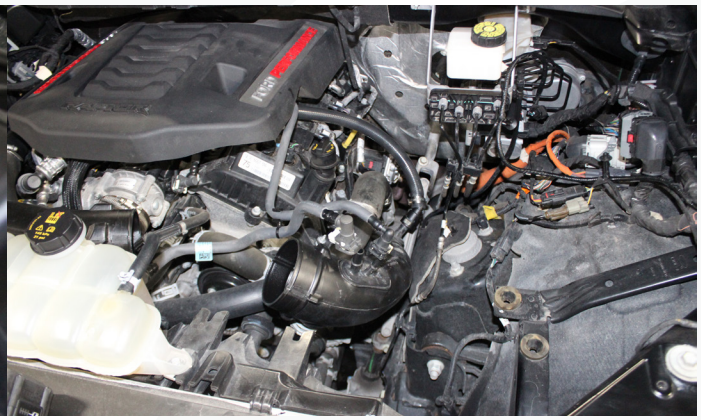
REMOVAL

1. Remove the 13mm bolt connecting the air box to the inner fender.
2. Loosen the 7mm worm-drive clamps securing the factory air box Y-tube.
3. Remove the two retaining clips securing the air box inlet to the radiator support cover
4. Unclip and remove the 2 vacuum lines off the lower Turbo inlet and the BOV recirculation tube.



5. Disconnect the Intake Air Temperature (IAT) sensor electrical connector from the intake tube and remove the airbox and intake tube.





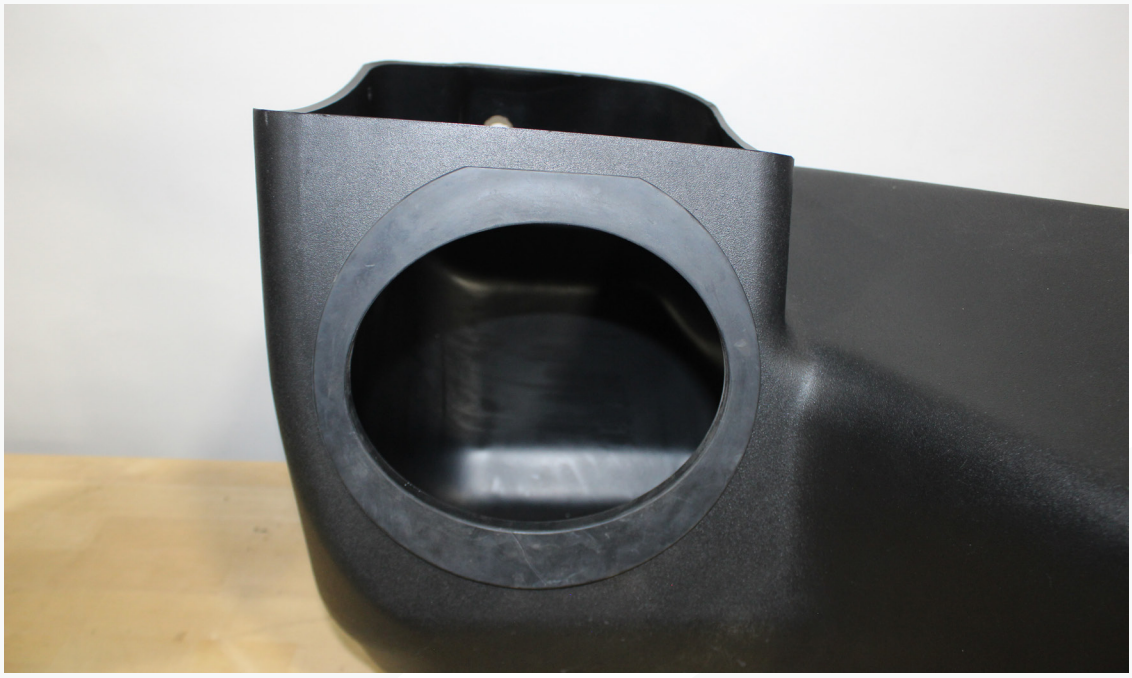
ASSEMBLY



6. Install the bubble seal along the edge of the intake opening with the bubble seal offset to the outside as shown below.



7. Install the large grommet with the flat portion near the large opening of the airbox.



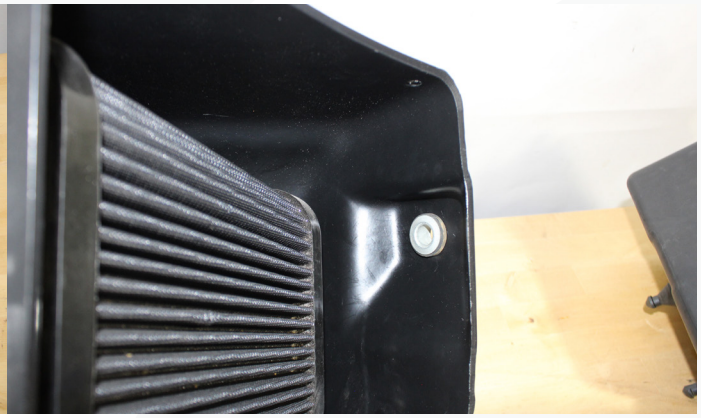
8. Place the filter into the airbox, bottom down first and rotate it until its completely inside before pushing the opening through the grommet.





9. Swap over the mounting grommet from the stock intake to the AMS Intake by removing the metal sleeve from the grommet and then the grommet.





10. Locate the intake tube, grommet, plastic fitting and silicone spray or similar lubricant. Install the the grommet making sure it is fully seated on the inside of the tube. Lubricate the area where the fitting will go, then install the fitting. It helps to install it at a slight angle while supporting the inside to avoid pushing the grommet through the tube. It is a tight fit.











11. Install the short silicone with a small step onto the curved end with #64 and #72 clamps.



12. Configure your intake tube for use with the stock inlet tubes or AMS inlet tubes. On the left is using the large step down to the stock inlet tube size. The right photo uses a large silicone for use with the AMS Inlet tubes.

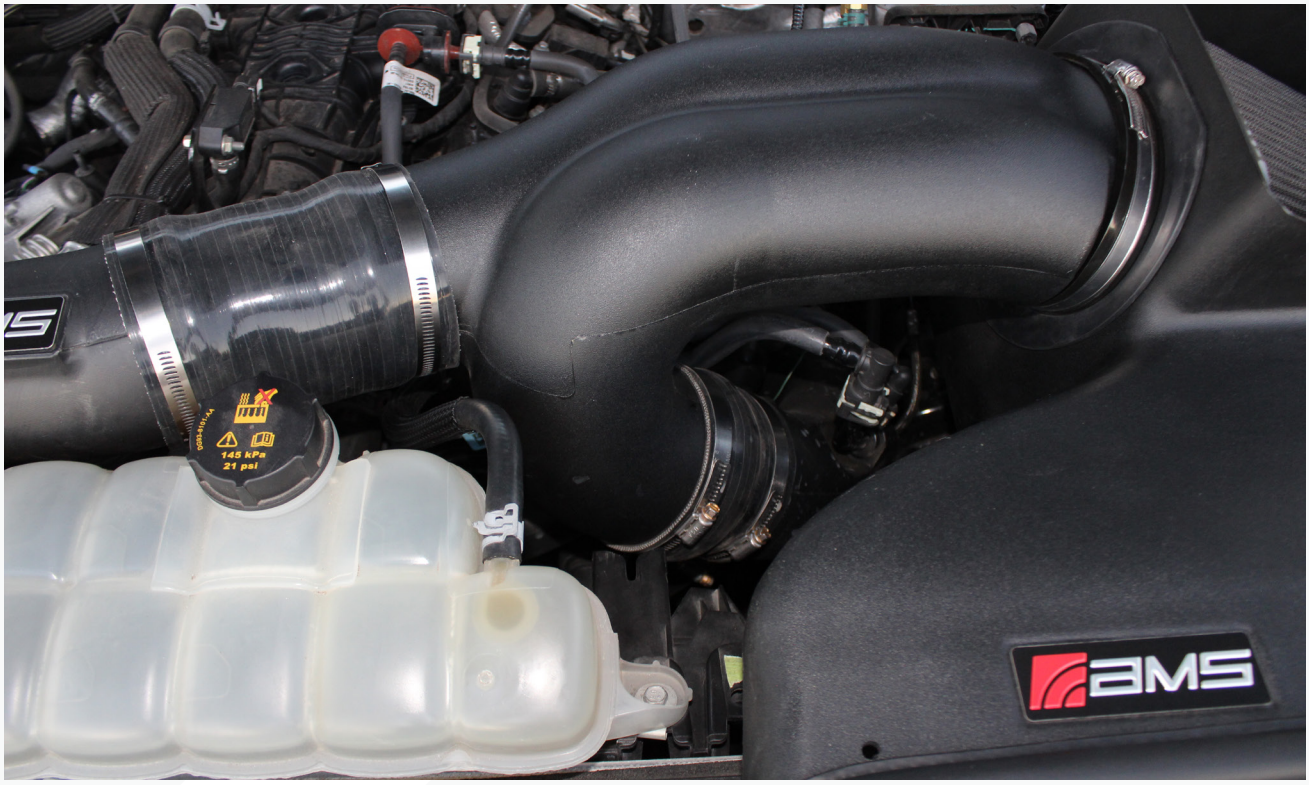


INSTALL

13. Install the airbox onto the truck.



14. Insert the intake tube into the air filter connection followed by the two inlet tubes and tighten all the clamps.



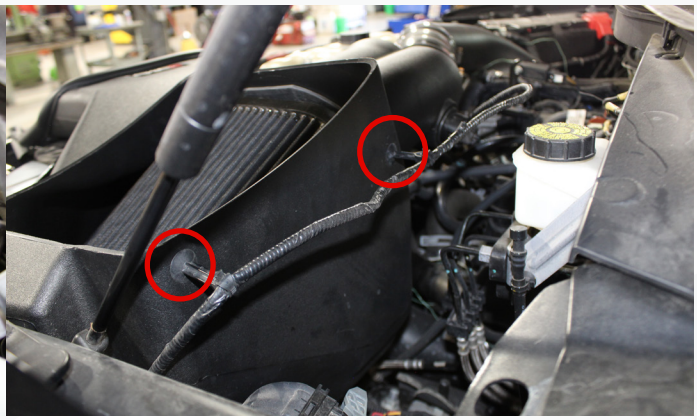
15. Reinstall the airbox mounting bolt and clips.





16. Reinstall the IAT sensor into the intake tube and use the holes on the backside of the airbox to attach the vehicle harness.





17. Check over all the clamps and make sure everything is tight.

18. Congratulations! Your AMS Performance Cold Air Intake is installed. Enjoy!

