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Rough Country 10477 Installation Instructions

Cold Air Intake for 5.7L Ram 1500 (2019-2024)

Part number: 10477

trailfortress.com/cold-air-intake-5-7l-ram-1500-rough-country-10477

Scan for fitment, price and install help



RAM 2019-21 V8-5.7L 1500 Cold Air Intake

Thank you for choosing Rough Country for all your vehicle needs.

Please read instructions before beginning installation. Check the kit hardware against the kit contents shown below. Be sure you have all needed parts and know where they go.
If question exist, please call us @1-800-222-7023. We will be happy to answer any questions concerning this product.
Check all fasteners for proper torque. Check to ensure for adequate clearance between all components.
Periodically check all hardware for tightness.

KIT CONTENTS:
Air Filter x1
Filter Clamp x1
Filter Adapter x1
Heat Shield x1
Heat Shield Seal x1
4" to 3.5" Flex Tube x2
4" Clamp x2
3.5" Clamp x2
Intake Tube x1
Vacuum Fitting x1
Sensor Gromet x1

TOOLS NEEDED:
Phillips Bit Driver
4mm Allen Wrench
8mm Wrench or Socket

HARDWARE INCLUDED:
6mm x 1" Bolts x2
6mm Flat Washers x2
6mm Lock Washers x2

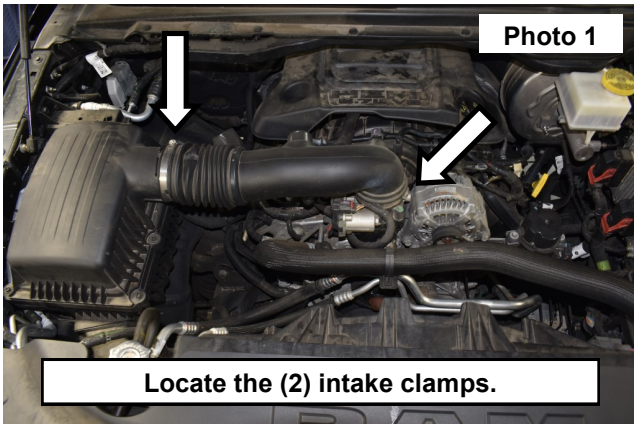


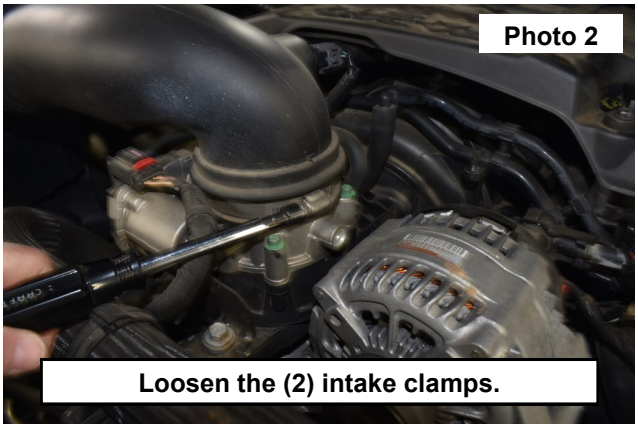
Torque Specs:

Size	Grade 5	Grade 8	Size	Class 8.8	Class 10.9
5/16"	15 ft/lbs	20ft/lbs	6MM	5ft/lbs	9ft/lbs
3/8"	30 ft/lbs	35ft/lbs	8MM	18ft/lbs	23ft/lbs
7/16"	45 ft/lbs	60ft/lbs	10MM	32ft/lbs	45ft/lbs
1/2"	65 ft/lbs	90ft/lbs	12MM	55ft/lbs	75ft/lbs
9/16"	95 ft/lbs	130ft/lbs	14MM	85ft/lbs	120ft/lbs
5/8"	135ft/lbs	175ft/lbs	16MM	130ft/lbs	165ft/lbs
3/4"	185ft/lbs	280ft/lbs	18MM	170ft/lbs	240ft/lbs

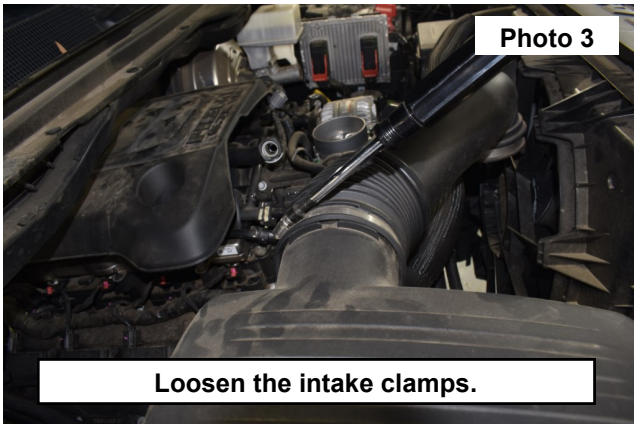
INSTALLATION INSTRUCTONS

1. Locate the clamp on the throttle body and the flex tube to the filter box. **See Photo 1.**
2. Loosen the (2) clamps using a an 8mm socket. **See Photos 2 and 3.**



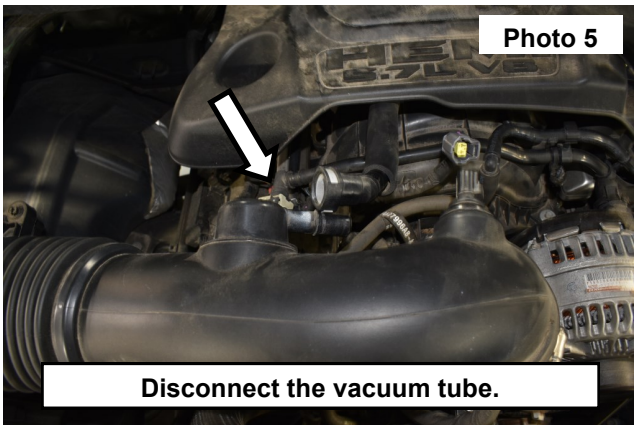


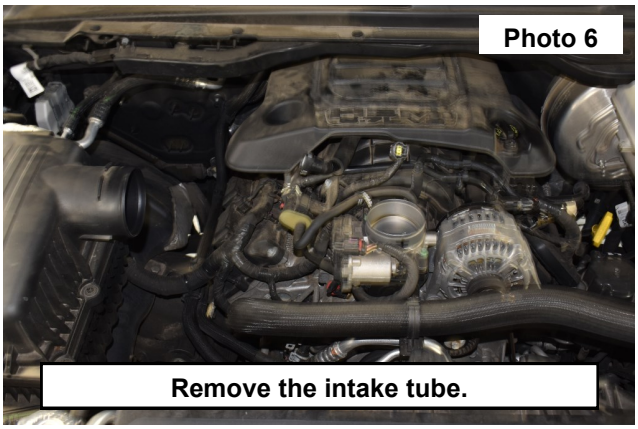
3. Disconnect the sensor on the intake tube and . **See Photo 4.**





4. Disconnect the vacuum tube from the intake tube. **See Photo 5.**
5. Remove the intake tube from the vehicle. **See Photo 6.**





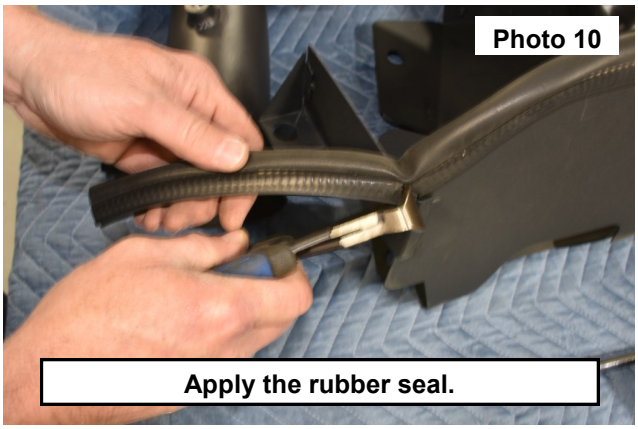
6. Using a Philips bit driver remove the (6) screws from the air filter box. Lift the lid from the air box and remove from the vehicle. **See Photo 7.**
7. Remove the air filter from the box. **See Photo 8.**





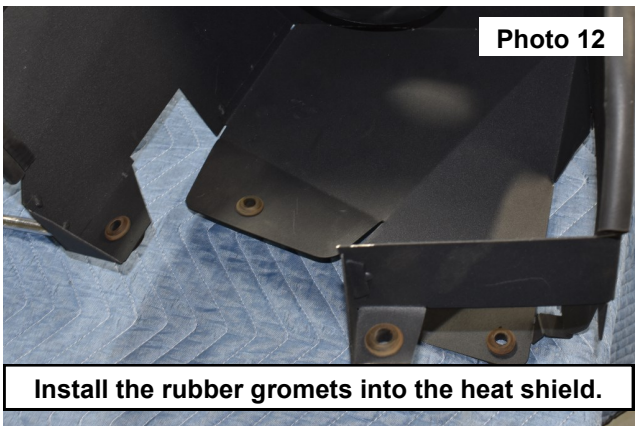
8. Release the gromets from the studs and remove the air filter box from the vehicle. **See Photo 9.**
9. Locate the new heat shield and apply the rubber seal. Trim any excess. **See Photo 10.**



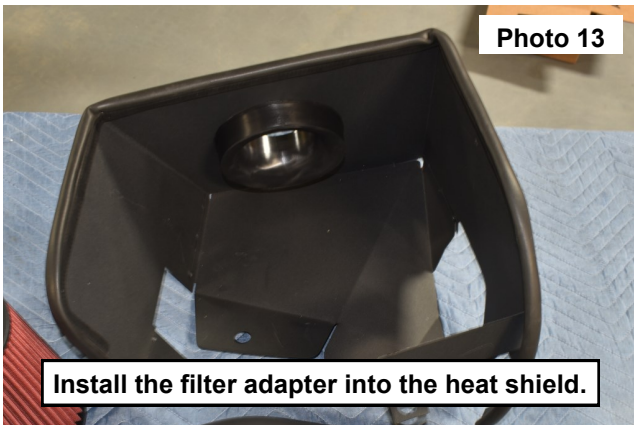


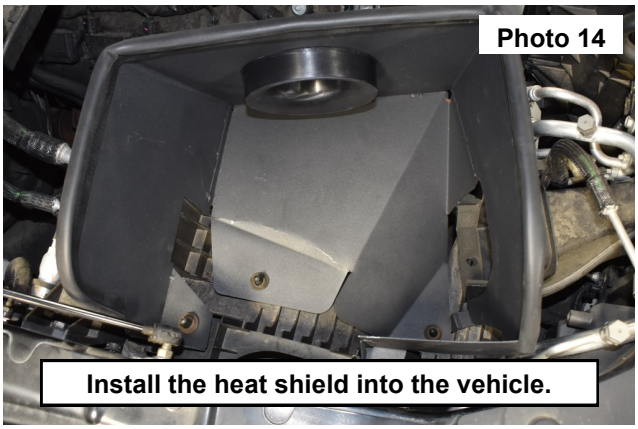
10. Remove the (4) rubber gromets from the OE air box and install them into the bottom holes supplied new heat shield. **See Photos 11 and 12.**



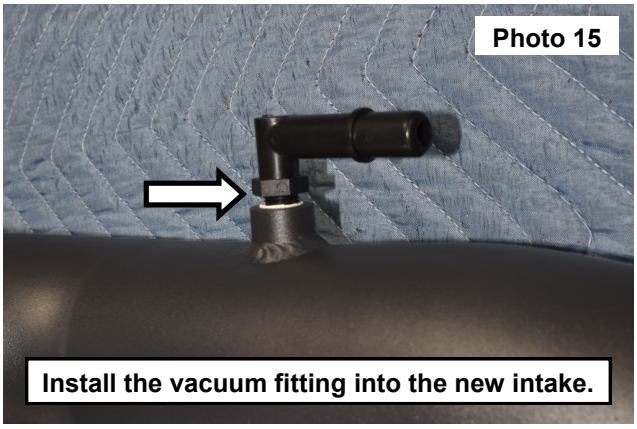


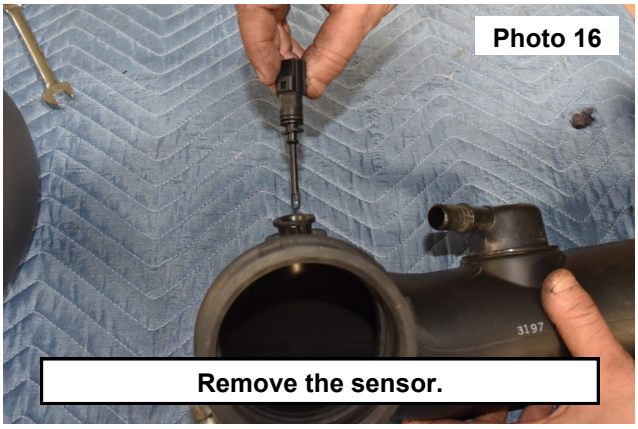
11. Install the filter adapter into the heat shield using the (2) supplied 6mm hardware. Use a 4mm allen wrench to tighten. **See Photo 13.**
12. Install the heat shield into the vehicle, press the rubber gromets onto the OE studs. **See Photo 14.**



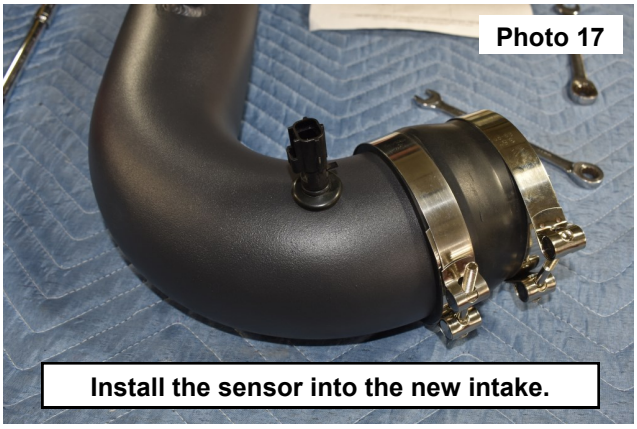


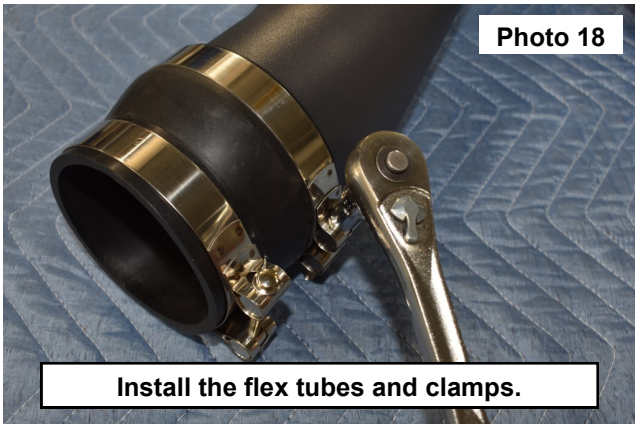
13. Apply thread sealer and install the vacuum fitting into the new intake tube. **See Photo 15.**
14. Remove the sensor from the OE intake tube, remove the factory o-ring and install the sensor into the new intake tube using the new grommet . **See Photos 16 and 17.**





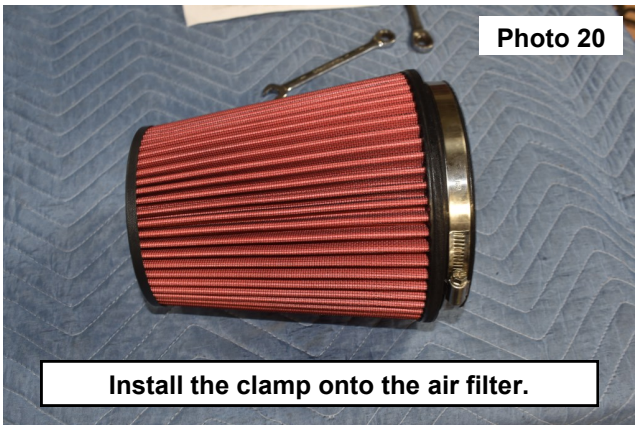
15. Install the rubber flex tubes on each side of the intake tube and secure using (2) of the supplied clamps. Tighten using a 8mm socket. Then install the clamps onto the outer ends of the flex tubes. **See Photo 18.**





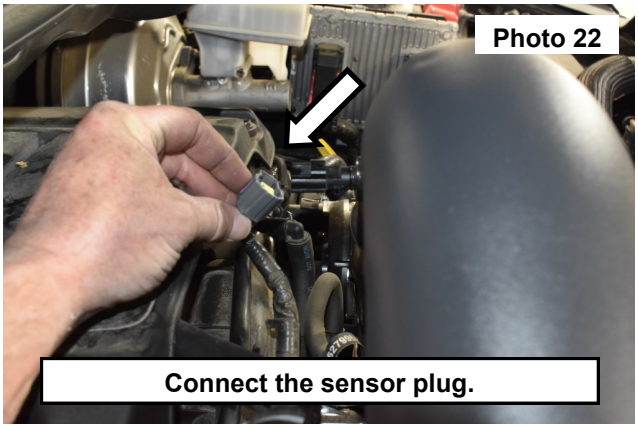
16. Install the intake onto the throttle body and the air filter adapter and tighten using a 8mm socket securing the claps on each side of the intake. **See Photo 19.**
17. Install the clamp onto the air filter. **See Photo 20.**



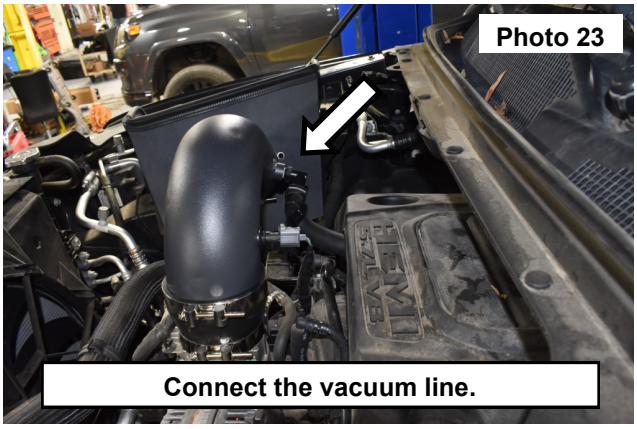


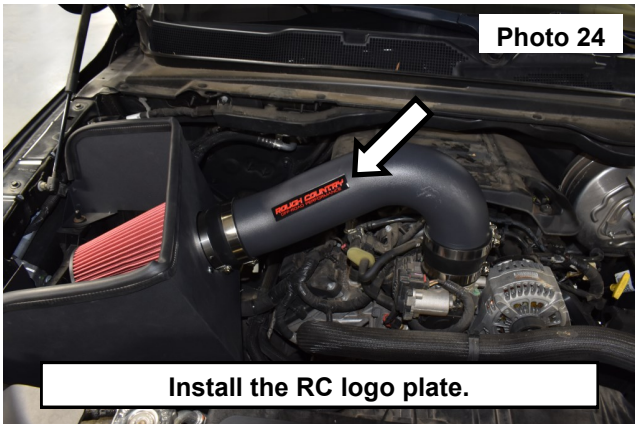
18. Install the air filter onto the adapter and tighten the clamp using a flat bit driver. **See Photo 21.**
19. Connect the harness plug to the intake sensor. **See Photo 22.**





20. Connect the vacuum line to the new fitting on the intake. **See Photo 23.**
21. Make sure the intake is working properly and install the rough country log plate on the desired location on the intake tube. **See Photo 24.**





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