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Rough Country 10490 Installation Instructions

Cold Air Intake for Ford F-250/F-350 4WD (2017-2019)

Part number: 10490

trailfortress.com/cold-air-intake-ford-f250-f350-4wd-rough-country-10490

Scan for fitment, price and install help

ROUGH COUNTRY SUSPENSION SYSTEMS®

921049000

FORD 2017-20 F250 w/6.7L Engine 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
Intake Tube x1
Heat Shield x1
36" Rubber Gasket
39" Rubber Gasket
Intake Pipe Coupler x1
Filter Adapter x1
Nut Insert x1
Wiring Extension x1
L Bracket x1
Kit Bracket x2
Coupler Clamps x3
Intake Clamp x1

TOOLS NEEDED:
8mm Socket
10mm Socket
7/16 Wrench and Socket

HARDWARE INCLUDED:
1/4-20 x 3/4 Hex Head Bolt x2
1/4" Flat Washers x8
1/4-20 Nylock Nuts x3
M6 Bolts x5
M6 Lock Washers x4

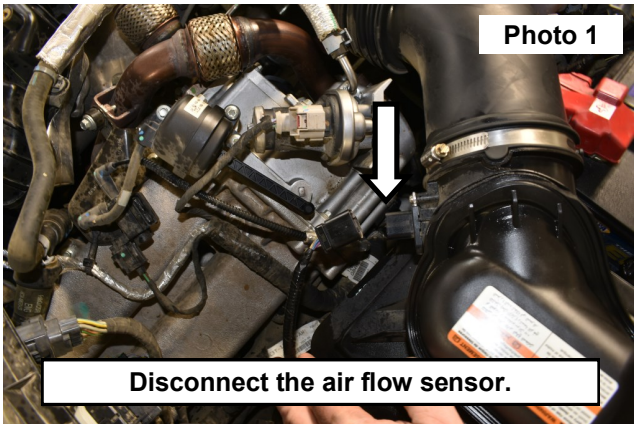
Torque Specs:

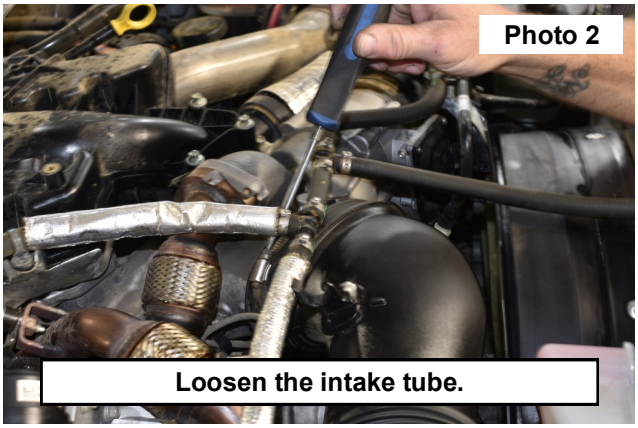
Size	Grade 5	Grade 8	Size	Class 8.8	Class 10.9
5/16"	15 ft/lbs	20ft/lbs	6MM	5ft/lbs	9ft/lbs
3/8"	30 ft/lbs	35ft/lbs	8MM	18ft/lbs	23ft/lbs
7/16"	45 ft/lbs	60ft/lbs	10MM	32ft/lbs	45ft/lbs
1/2"	65 ft/lbs	90ft/lbs	12MM	55ft/lbs	75ft/lbs
9/16"	95 ft/lbs	130ft/lbs	14MM	85ft/lbs	120ft/lbs
5/8"	135ft/lbs	175ft/lbs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


ROUGH COUNTRY
OFF-ROAD PERFORMANCE

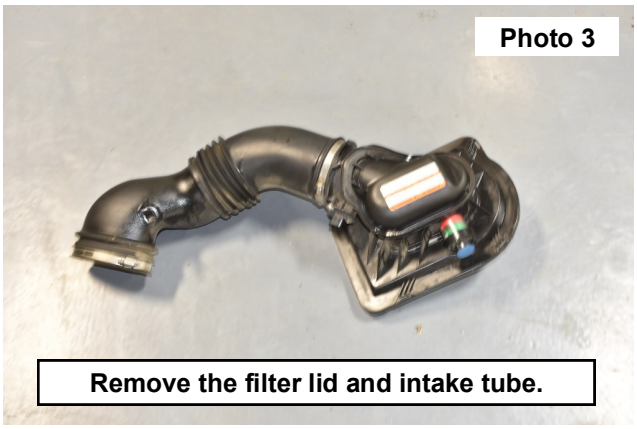
INSTALLATION INSTRUCTONS

1. Disconnect the air flow sensor on top of the air filter box. **See Photo 1.**
2. Loosen the intake flex tube using a flat bit driver and remove the vent tube from the clip on the intake tube. **See Photo 2.**



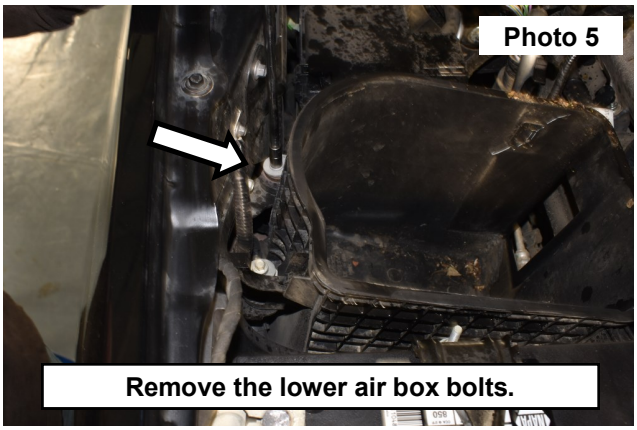


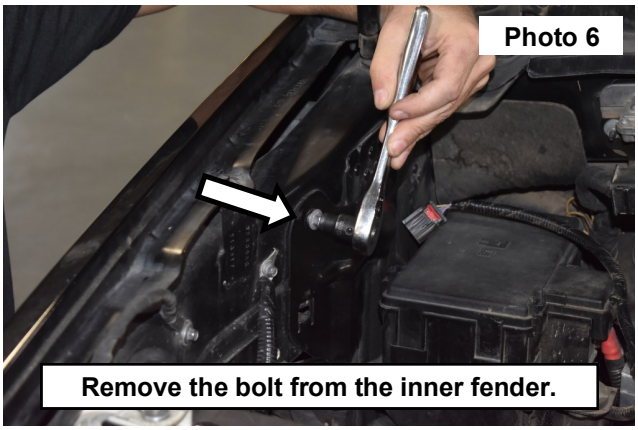
3. Release the filter lid latches and remove the filter lid and intake tube from the vehicle. **See Photo 3.**
4. Remove the air filter from the air box. **See Photo 4.**





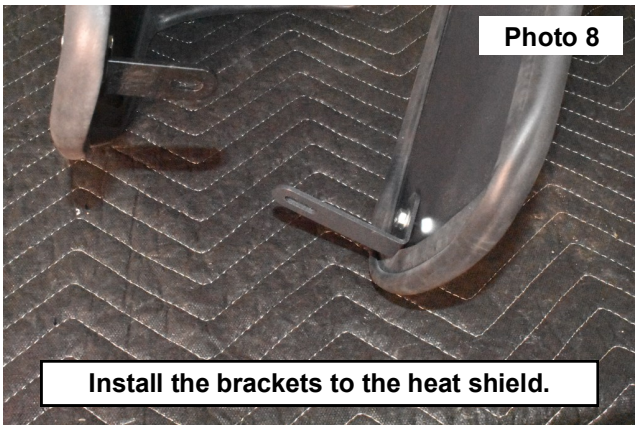
5. Remove the lower air box bolts using a 10mm socket. Then remove the air box from the vehicle. **See Photo 5.**
6. Remove the bolt shown from the inner fender using a 10mm socket. **See Photo 6.**





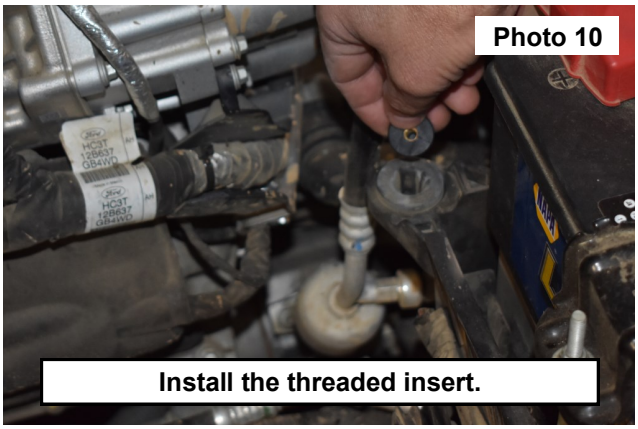
7. Apply the rubber seal around the heat shield and trim as needed. **See Photo 7.**
8. Install the (2) brackets to the inside of the heat shield using (1) of the supplied 1/4-20 x 3/4 bolts, (2) 1/4" flat washers and (1) 1/4-20 nylock nut on each bracket. Hardware can be snugged using a 3/16 Allen wrench and a 7/16 socket. **See Photo 8.** Mount short side of the bracket to the heat shield.



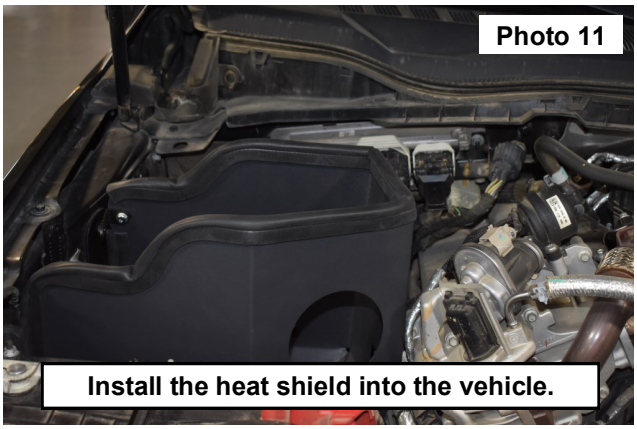


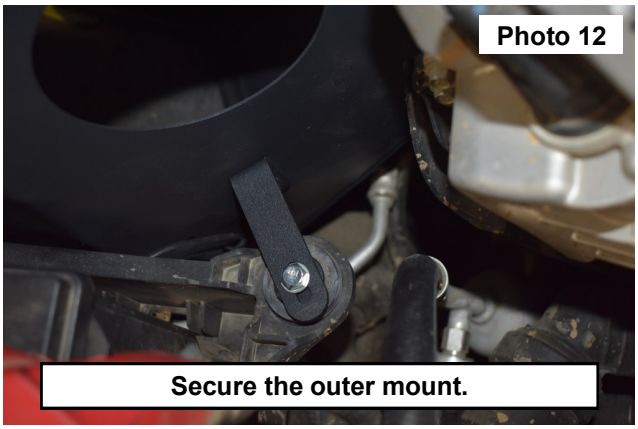
9. Install the (1) bracket to the outside of the heat shield using (1) of the supplied 1/4-20 x 3/4 bolts, (2) 1/4" flat washers and (1) 1/4-20 nylock nut. Hardware can be snugged using a 3/16 Allen wrench and a 7/16 socket. **See Photo 9.** Mount short side of the bracket to the heat shield.
10. Place the threaded insert into the battery tray mount. **See Photo 10.**



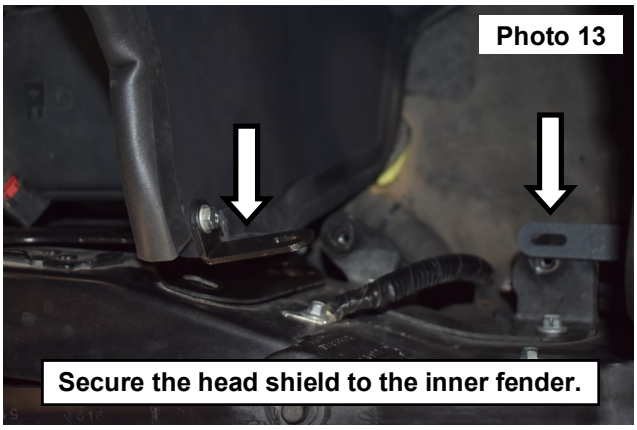


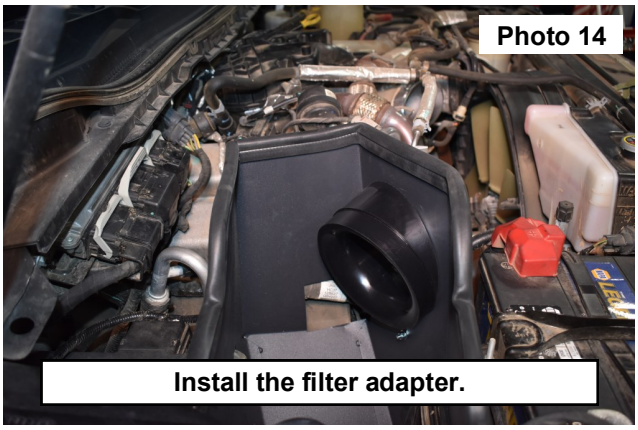
11. Install the heat shield into the vehicle. **See Photo 11.**
12. Secure the battery tray mount using (1) of the supplied 1/4-20 bolts and (1) 1/4" flat washer. **See Photo 12.**



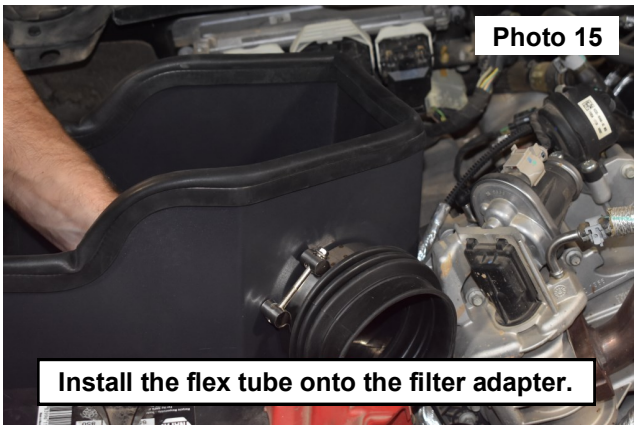


13. Secure the mounts using the retained OE bolts into each mount. Tighten all heat shield mounts using a 7/16 wrench and socket and all OE bolts using a 10mm socket to secure the heat shield. **See Photo 13.**
14. Install the filter adapter into the heat shield. **See Photo 14.**



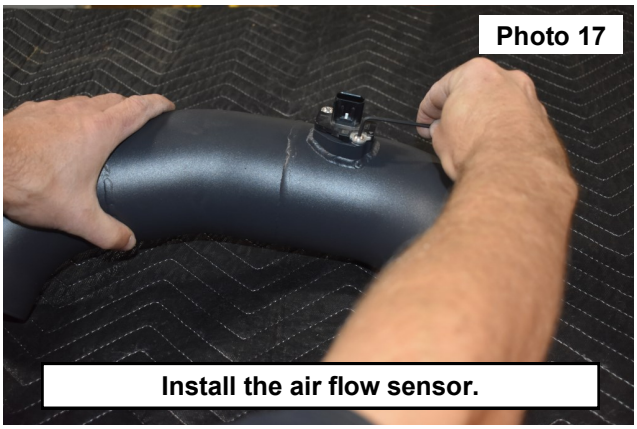


15. Secure the filter adapter using the flex tube and clamp. Tighten using a 8mm socket. **See Photo 15.**
16. Remove the air flow sensor from the OE filter cover and install into the new intake tube. **See Photo 16 and 17.**





17. Install the new intake tube into the flex tube off of the filter adapter. **See Photo 17.**



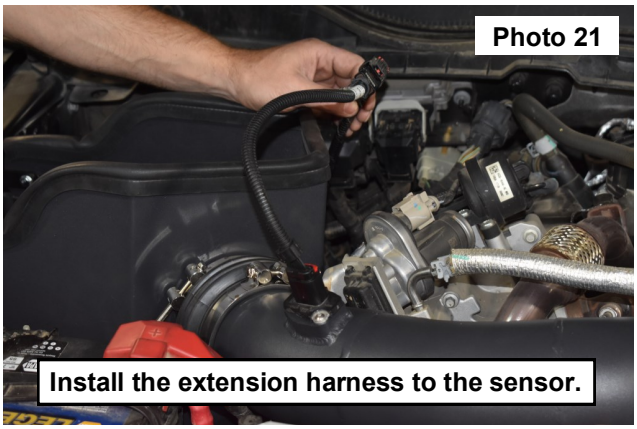


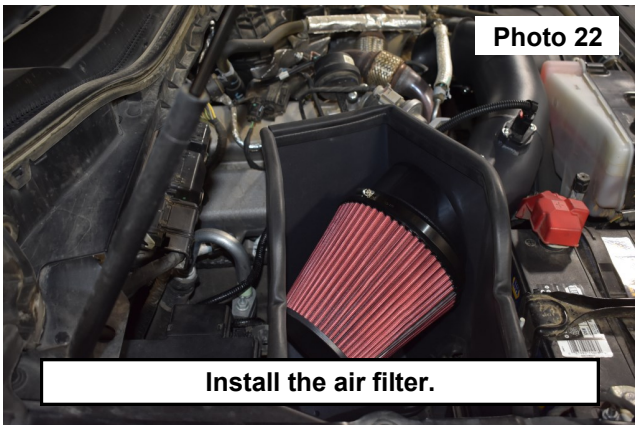
18. Install the intakes rubber adapter and secure using a clamp. Tighten using a 8mm socket. **See Photo 19.**
19. Place a clamp onto the adapter and install the intake tube into the adapter. Tighten each end of the intake tube clamps using a 8mm socket. **See Photo 20.**





20. Install the extension harness to the air flow sensor and the OE harness. **See Photo 21.**
21. Install the clamp around the flange of the air filter and install onto the adapter. Tighten the clamp using a 8mm socket. **See Photo 22.**





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