TRAIL FORTRESS

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Rough Country 10478 Installation Instructions

Cold Air Intake for Chevrolet & GMC 2500 HD/3500 HD (2017-2019)

Part number: 10478

trailfortress.com/cold-air-intake-chevrolet-gmc-2500-hd-3500-hd-rough-country-10478

Scan for fitment, price and install help



CHEVY / GMC 2017-19 2500/3500 Silverado / Sierra Cold Air Intake V8-6.6L Turbo Diesel

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.

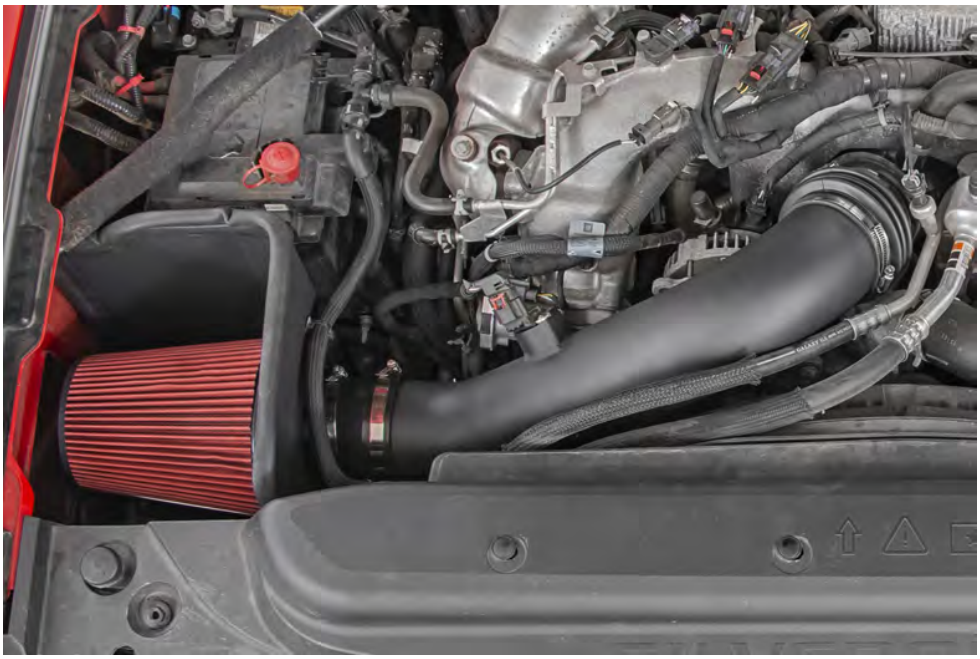
Periodically check all hardware for tightness.

NOTICE: NOT LEGAL FOR SALE OR USE IN CALIFORNIA OR OTHER STATES ADOPTING CARB REGULATIONS

KIT CONTENTS:
- Air Filter x1
- Air Tube x1
- Edge Trim
- Heat Shield x1
- Filter Adaptor x1
- Filter Clamp x1
- Rubber Filter tube/filter coupler x2
- Filter Tube Clamps x4

TOOLS NEEDED:
- 2.5mm Allen Wrench
- 4mm Allen Wrench
- Flat Bit Driver
- 10mm Socket
- 13mm Socket
- Ratchet
- Side Cutters

HARDWARE INCLUDED:
- 4mm Button Head Bolts x2
- 6mm Button head Bolts x2
- 6mm Lock Washer x2
- 6mm Flat Washer x2



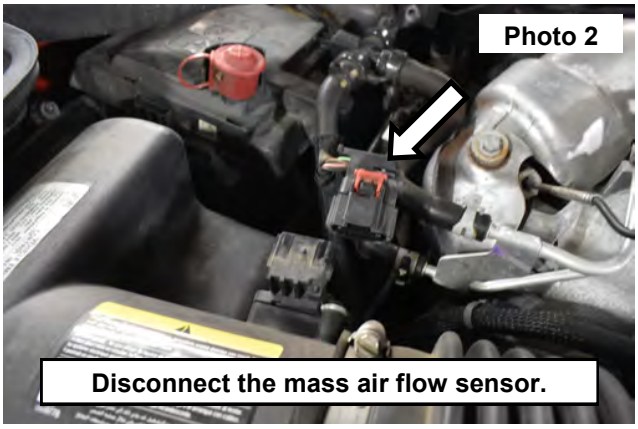
Torque Specs:

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

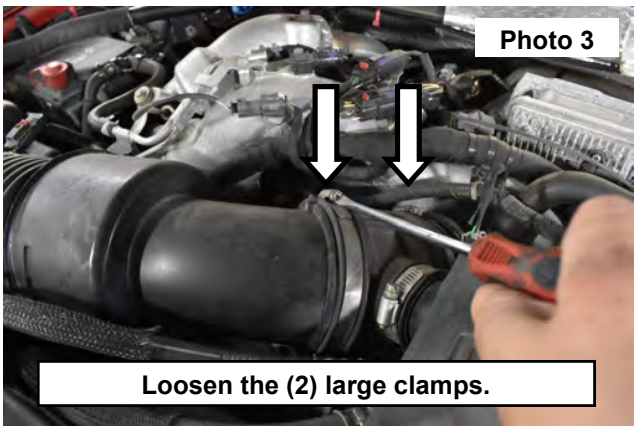
INSTALLATION INSTRUCTONS

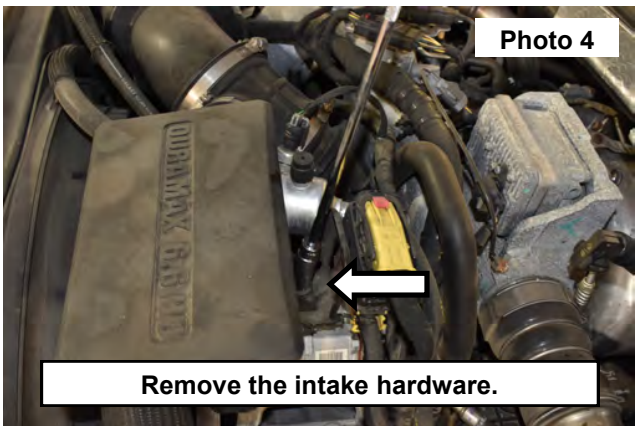
1. Remove the positive battery cable using a 10mm socket. **See Photo 1.**
2. Slide the clip to the open position. Then disconnect the mass air flow sensor. **See Photo 2.**



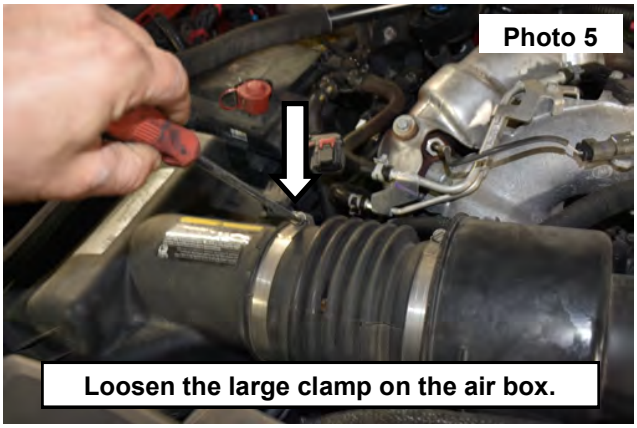


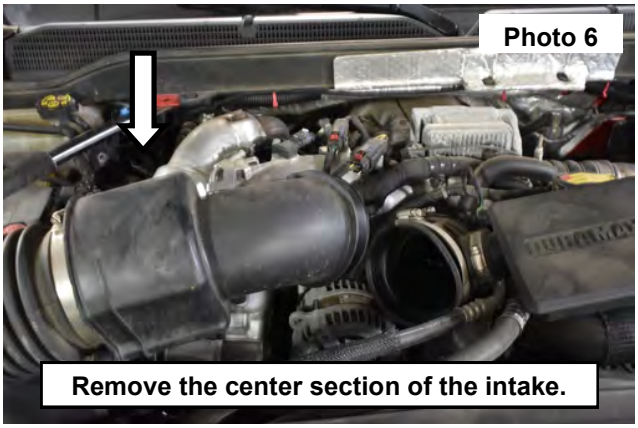
3. Loosen the (2) large clamps on the throttle body flex tube side of the intake using a flat bit driver. **See Photo 3.**
4. Remove the nut from the intake. Using a 10mm socket. **See Photo 4.**



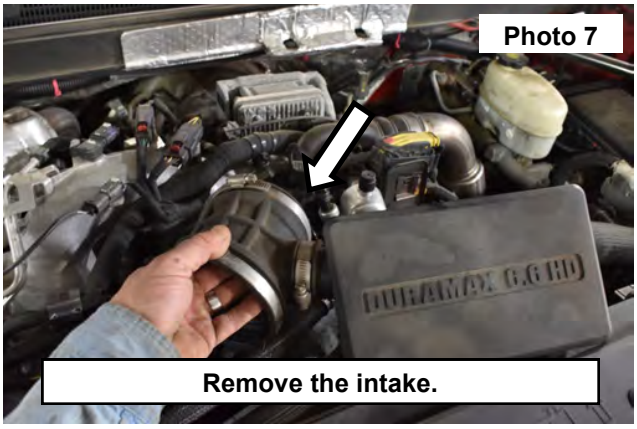


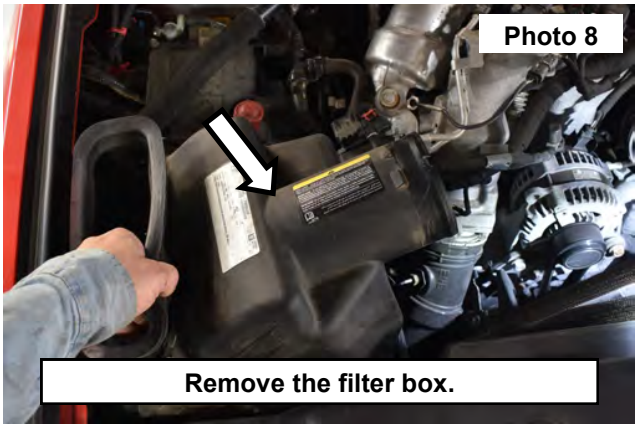
5. Loosen the large clamp on the air box side of the flex tube using a flat bit driver. **See Photo 5.**
6. Remove the center intake section from the vehicle. **See Photo 6.**





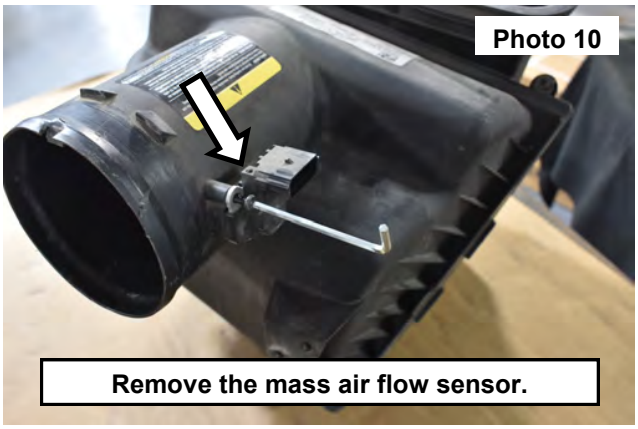
7. Remove the throttle body flex tube side of the intake. **See Photo 7.**
8. Remove the filter box from the vehicle by releasing the tabs from the rubber gromets in the bracket on the bottom of the filter box. **See Photo 8.**





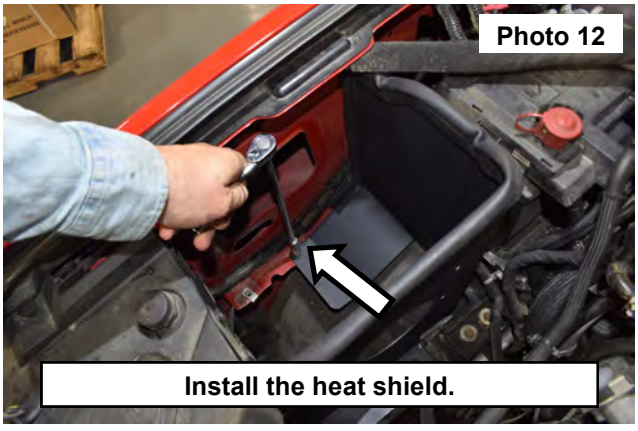
9. Remove the (4) bolts from the filter box support bracket using a 13mm socket. **See Photo 9.** Retain 3 bolts for re-use.
10. Remove the (2) bolts securing the mass air flow sensor in the air filter box lid using a 4mm allen wrench. **See Photo 10.**



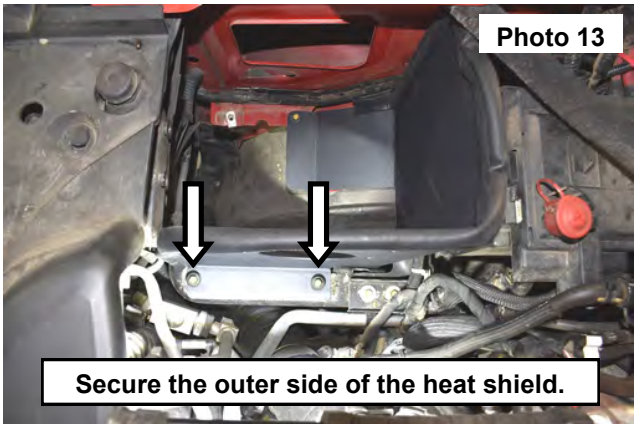


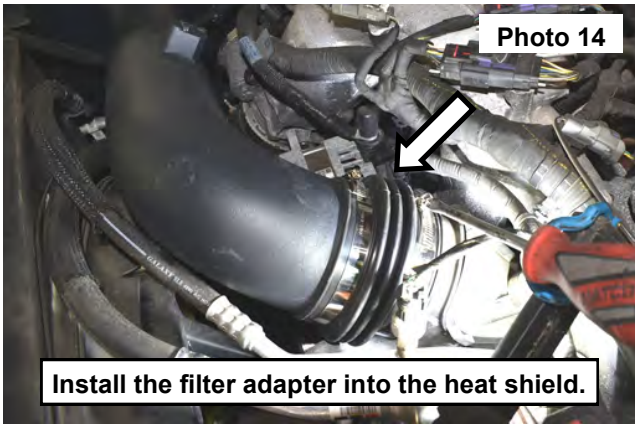
11. Install the outer seal onto the heat shield. Trim if needed. **See Photo 11.**
12. Install the heat shield into the filter location. Secure the inside using one of the retained bolts. Tighten using a 13mm socket. **See Photo 12.**



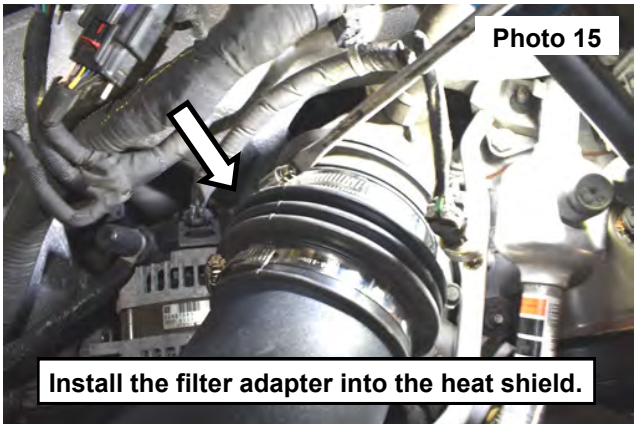


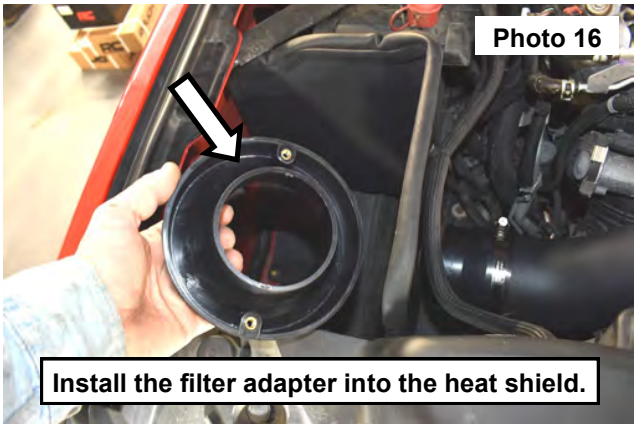
13. Install the remaining (2) retained bolts in the outer side of the heat shield. Tighten using a 13mm socket. **See Photo 13.**
14. Install (2) of the 4” supplied clamps onto the flex tube, then install the flex tube onto the throttle body and insert the new intake tube into the flex tube. **See Photo 14.**



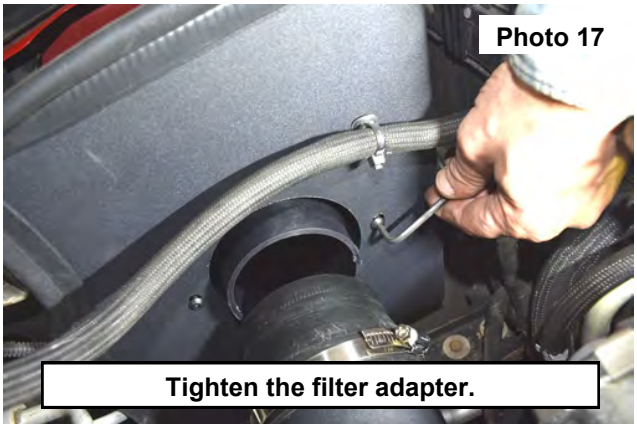


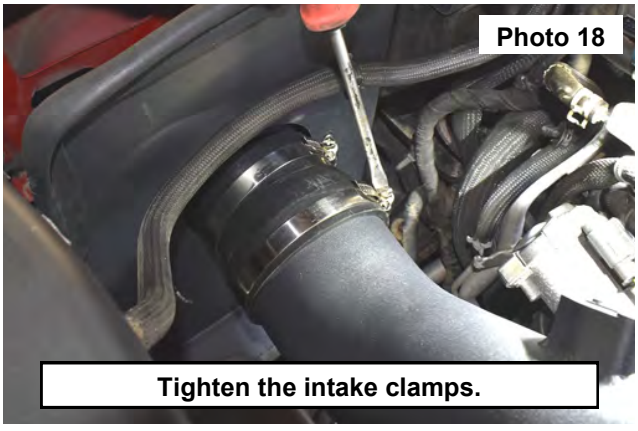
15. Tighten the (2) clamps using a Flat bit driver. **See Photo 15.**
16. Install the filter adapter into the inside of the head shield. **See Photo 16.**





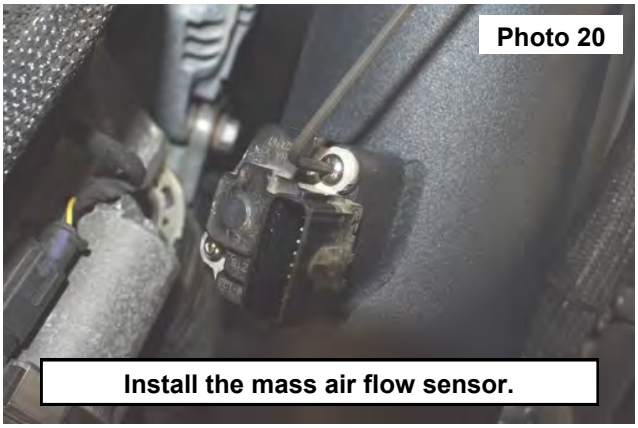
17. Secure the filter adapter onto the heatshield using (2) of the supplied 6mm Button head allen bolts (2) 6mm lock washers and (2) 6mm flat washers. Tighten using a 4mm allen wrench. **See Photo 17.**
18. Place a 3” clamp and a 4” clamp onto the rubber adapter and install onto the intake tube. Then install the rubber adapter onto the filter adapter. Adjust the intake into the desired position and tighten using a flat bit adapter. **See Photo 18.**



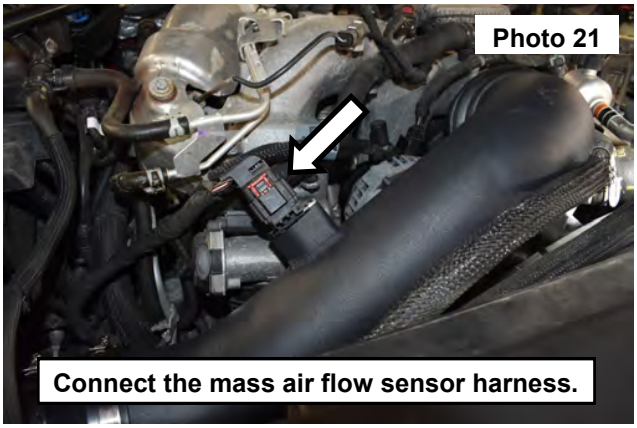


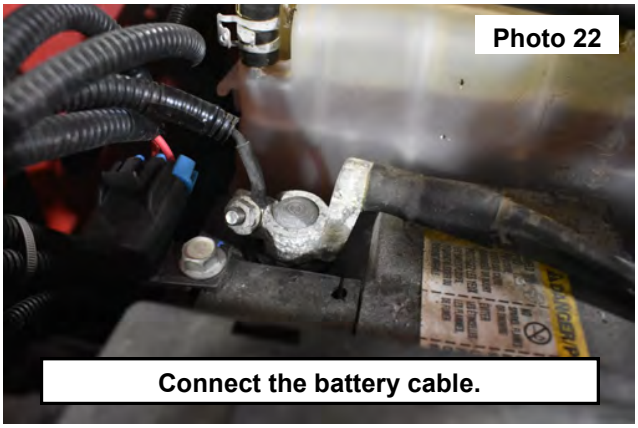
19. Install the large clamp onto the air filter. Then install the air filter onto the adapter inside of the heat shield. Tighten using a Flat bit driver. **See Photo 19.**
20. Install the mass air flow sensor into the intake tube. Secure using the supplied 4mm button head bolts and tighten using a 2.5mm allen wrench. **See Photo 20.**





21. Connect the harness to the mass air flow sensor and lock the tab into place. **See Photo 21.**
22. Connect the Positive battery cable. Tighten the nut using a 10mm socket. **See Photo 22.**





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