TRAIL FORTRESS

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Rough Country 10547 Installation Instructions

Cold Air Intake for Toyota Tacoma 3.5L (2016-2023)

Part number: 10547

trailfortress.com/cold-air-intake-toyota-tacoma-3-5l-rough-country-10547

Scan for fitment, price and install help



TOYOTA 2016-21 Tacoma 3.5L Cold Air Intake Kit

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
- Filter Clamp x1
- Filter Adapter x1
- Filter Adapter tube clamp x1
- 3 1/4” Coupler Clamps x3
- 3 1/2” Couple Clamps x1
- 3 1/4” to 3 1/2” Rubber Coupler x1
- 3 1/4” Coupler x1
- Intake Tube x1
- Heat Shield Bracket x1
- Rubber Seal x1
- 5/8” Barbed Fitting x1
- Shield Bracket x1

TOOLS NEEDED:
- 2.5mm Allen Wrench
- 4mm Allen Wrench
- 24mm Wrench
- 10mm Wrench or Socket
- 12mm Wrench or Socket
- Flat Bit Driver
- Philipps Bit Driver
- Plyers

HARDWARE INCLUDED:
- 4mm Button Head Bolts x2
- 6mm-1.0 x 12mm Button Head x2
- 6mm-1.0 x 12mm Hex Head x2
- 6mm-1.0 x 16mm Hex Head x1
- 6mm-1.0 Nylock Nut x1
- 6mm Lock Washers x4
- 6mm Flat Washers x6
- 6mm Rubber Mounts x2
- Double Stud Rubber Mount x1
- 8mm Lock Nut x1
- 8mm Flat Washer x1



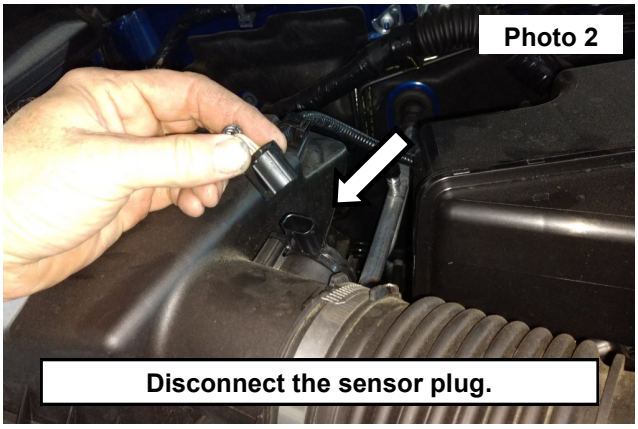
Torque Specs:

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

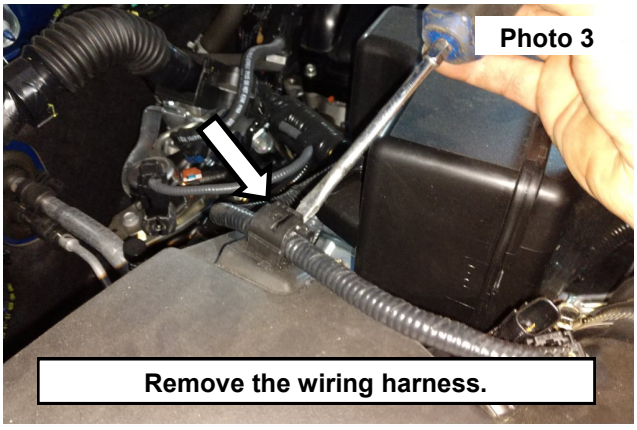
INSTALLATION INSTRUCTONS

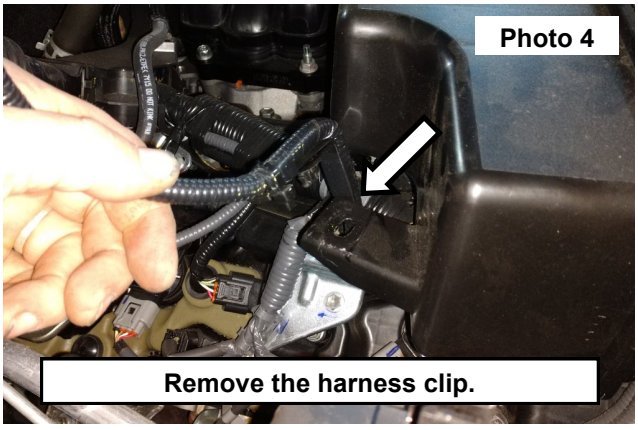
1. Lift the engine cover off of the mounts in the front. Then remove from the clips in the rear of the cover. Set cover aside for reuse. **See Photo 1.**
2. Press the tab on the plug and remove the plug from the MAF sensor. **See Photo 2.**



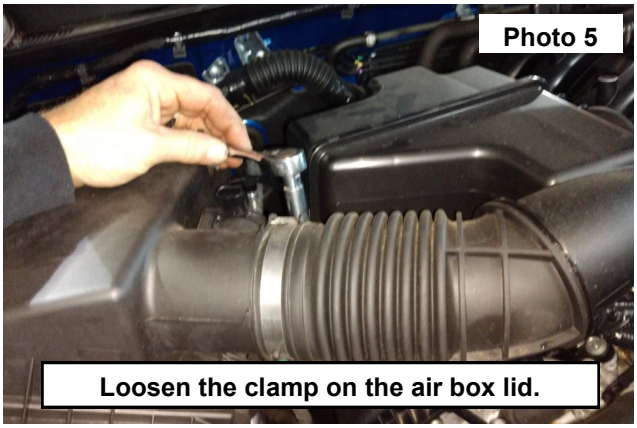


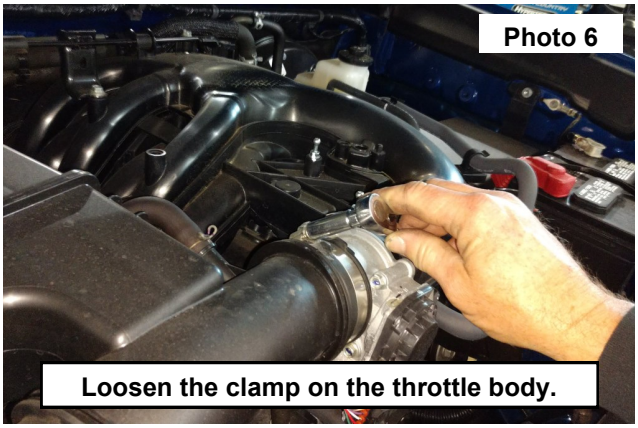
3. Using a pry tool remove the wiring harness clip from the air box lid. **See Photo 3.**
4. Remove the wiring harness retainer from the intake body. **See Photo 4.**



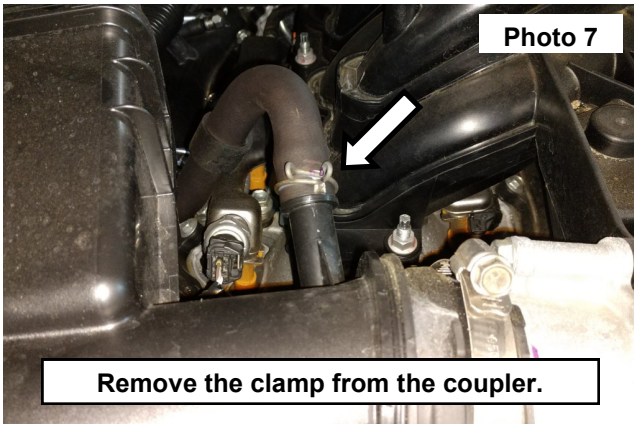


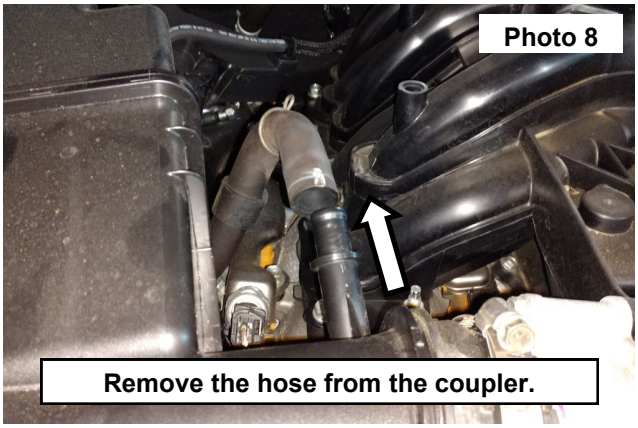
5. Using a 10mm socket loosen the clamp on the air box lid. **See Photo 5.**
6. Using a 10mm socket loosen the clamp on the throttle body. **See Photo 6.**



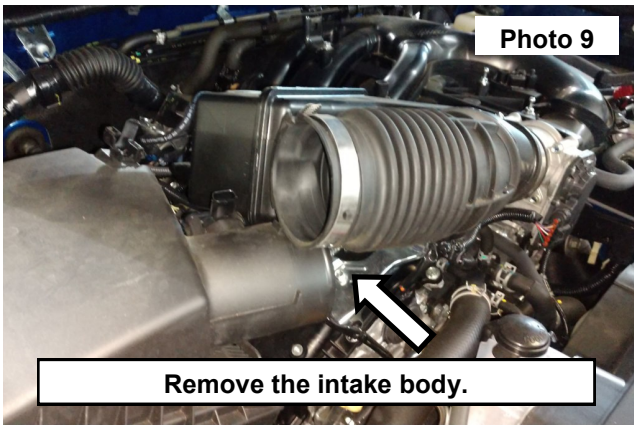


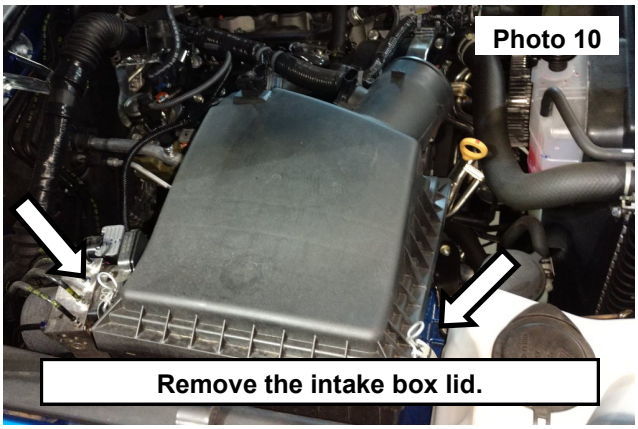
7. Using plyers squeeze the vent tube clamp and slide off of the coupler onto the hose on the intake box lid. **See Photo 7.**
8. Remove the hose from the intake box lid coupler. **See Photo 8. NOTE:** *Retain clamp on hose.*



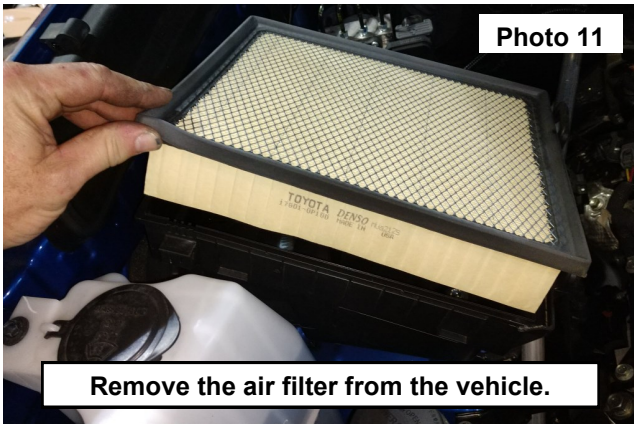


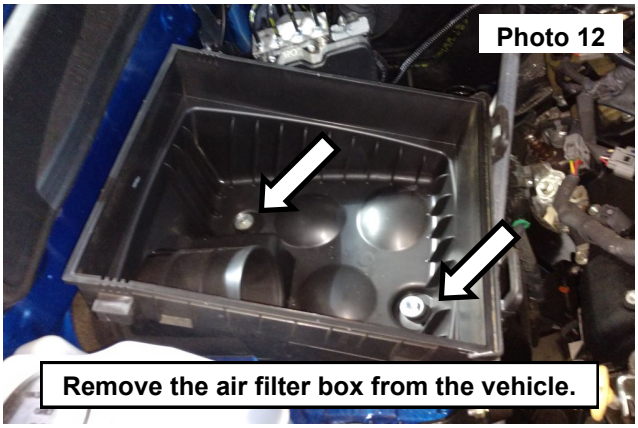
9. Remove the intake body from the vehicle. **See Photo 9.**
10. Unlatch the intake box lid and remove from the vehicle. **See Photo 10.**



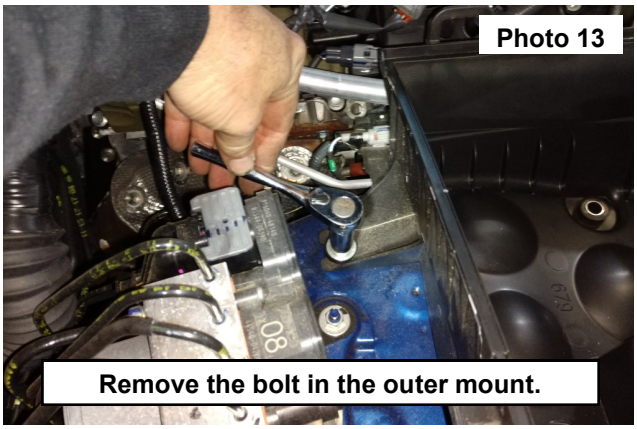


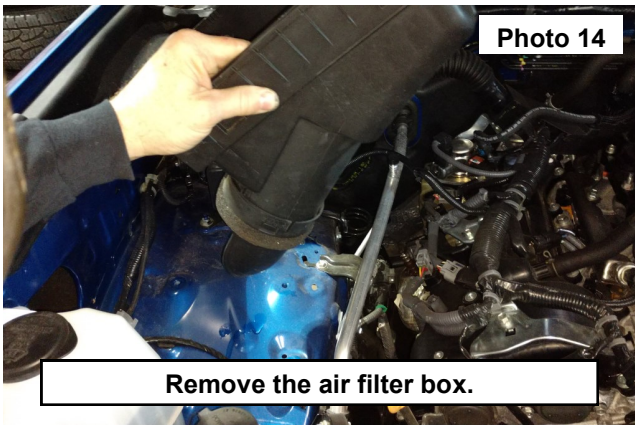
11. Remove the air filter from the vehicle. **See Photo 11.**
12. Remove the (2) bolts in the bottom of the inside of the air filter box using a 12mm socket. **See Photo 12.**





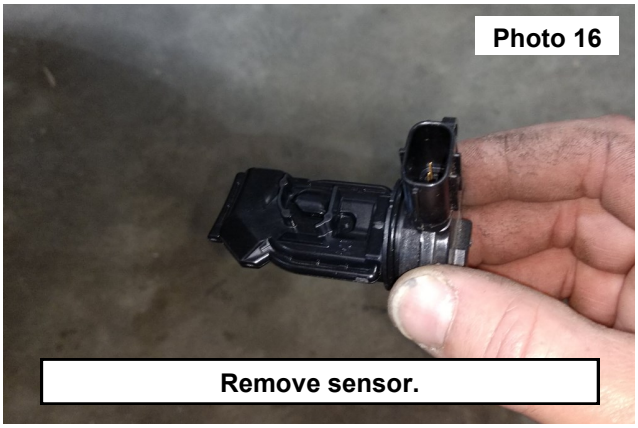
13. Using a 12mm socket remove the bolt in the outer mount of the air filter box. Then remove the air box from the vehicle. **See Photos 13 and 14.**



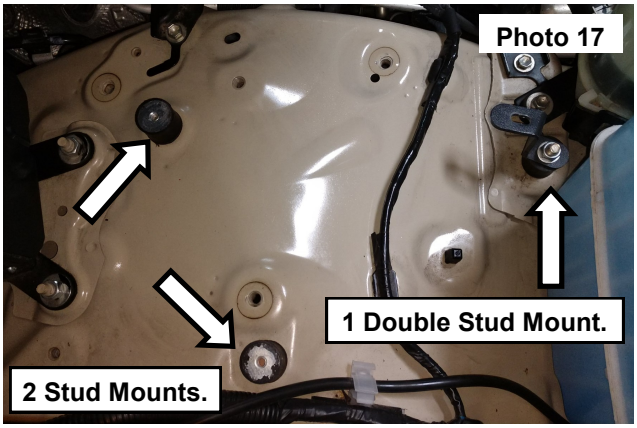


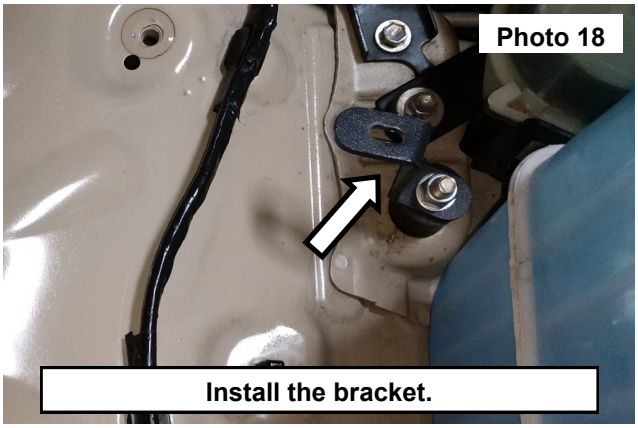
14. Using a Philipps bit driver remove the (2) screws from the sensor. Then remove the sensor from the air filter lid and set aside in a safe place. **See Photos 15 and 16.**



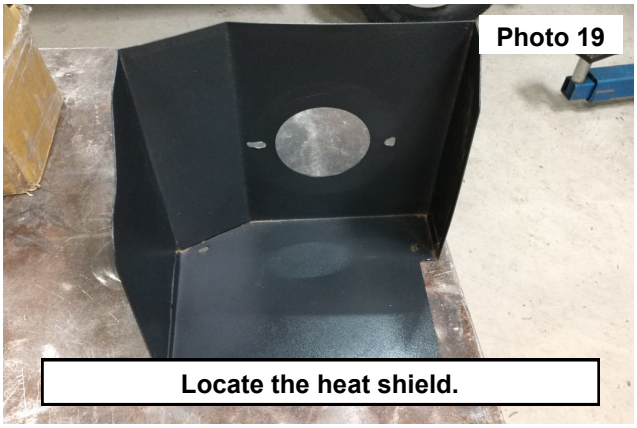


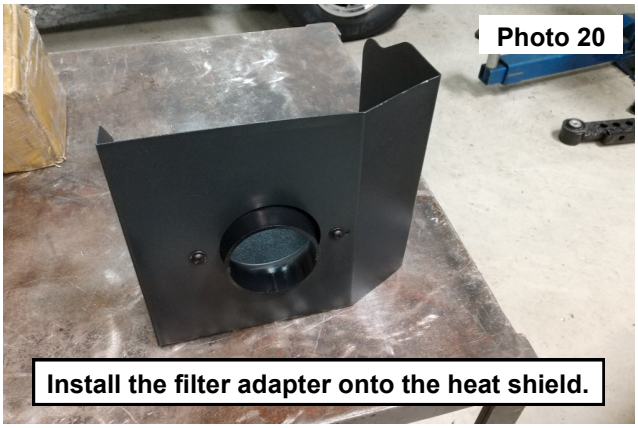
15. Install the (2) rubber stud mounts into the rear locations and the (1) double stud mount in the front closest to the washer tank. **See Photo 17.**
16. Install the heat shield mounting bracket onto the double stud mount in the front closest to the washer tank. **See Photo 18.** Secure with 8mm flat washer and lock nut.



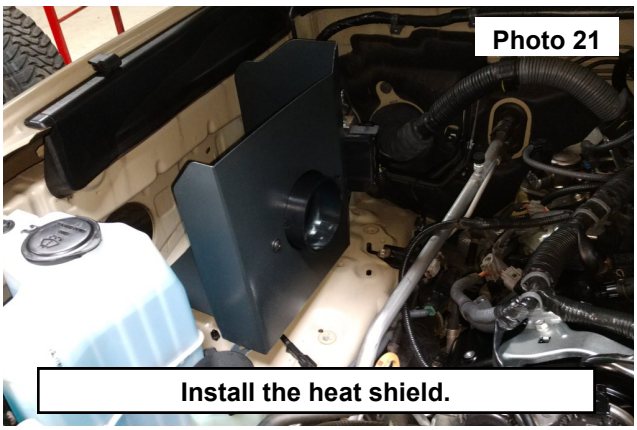


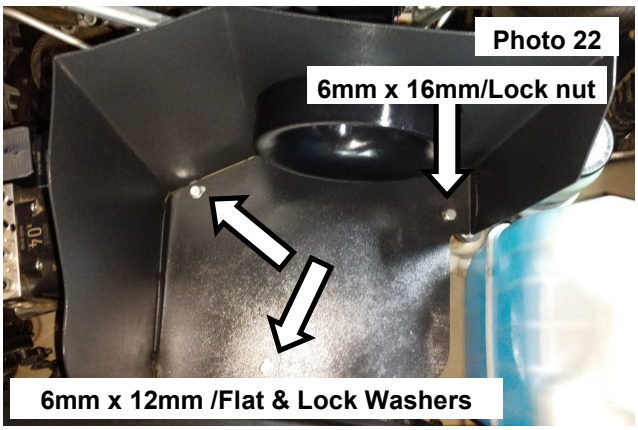
17. Locate the air filter heat shield shown in **Photo 19.**
18. Install the air filter flange to the inside of the heat shield using (2) of the supplied 6mm-1.0 x 12mm button head bolts (2) 6mm lock washers and (2) 6mm flat washers to secure the air filter flange to the heat shield. Tighten using a 4mm allen wrench. **See Photo 20.**



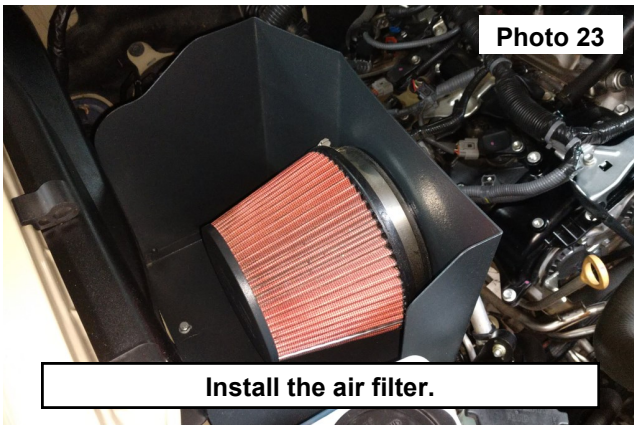


19. Install the heat shield into the vehicle. **See Photo 21.**
20. Secure the heat shield using (2) of the supplied 6mm-1.0 x 12mm hex head bolts and (1) 6mm x16mm bolts, (2) 6mm lock washers and (4) 6mm flat washers and (1) 6mm nylock nut. Tighten using a 10mm socket. **See Photo 22.**



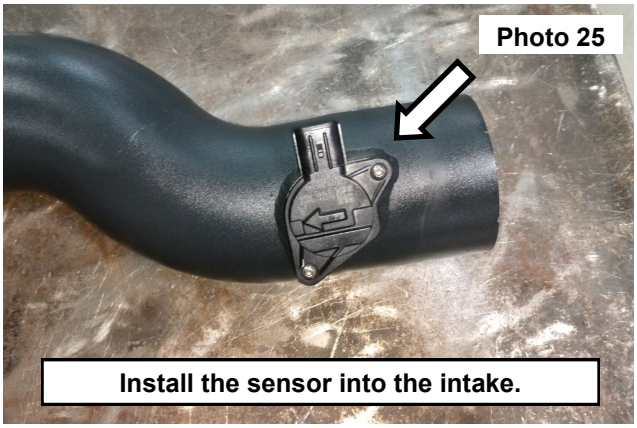


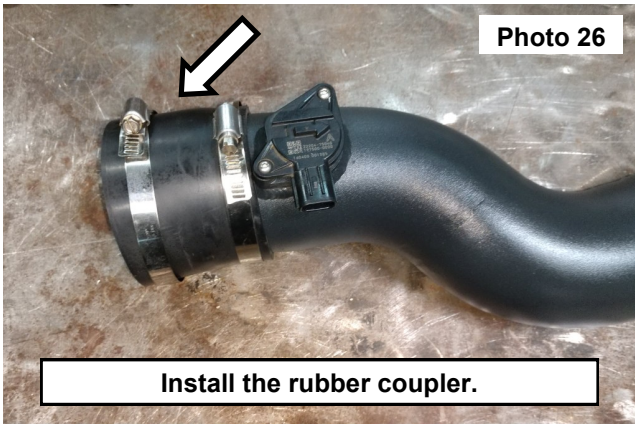
21. Install the air filter onto the flange mounted to the head shield, secure using the supplied clamp around the flange of the filter. Tighten using a flat bit driver. **See Photo 23.**
22. Install the 5/8” barbed fitting into the cold air intake tube by hand and only slightly tighten using a 24mm wrench. Do NOT over tighten. **See Photo 24.**



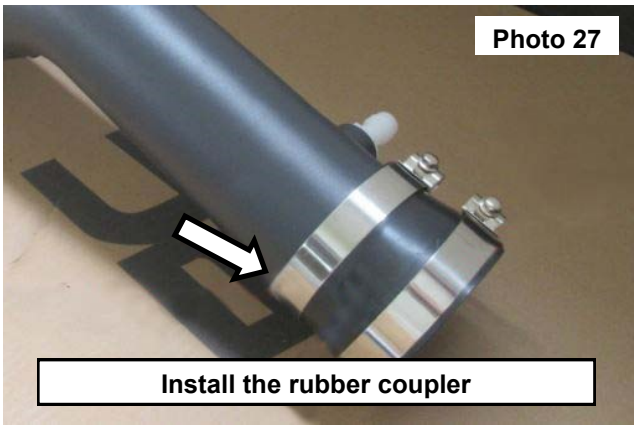


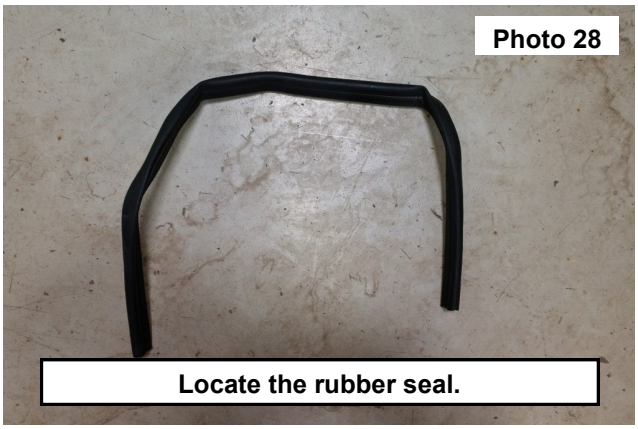
23. Install the sensor into the cold air intake tube using the supplied 4mm button head allen bolts. tighten using a 2.5mm allen wrench. **See Photo 25.**
24. Install the rubber coupler onto the sensor side of the intake tube and secure using the 3-1/4” clamp. Tighten using a flat bit driver. **See Photo 26.**
25. Install the 3-1/2” clamp onto the filter adapter side.



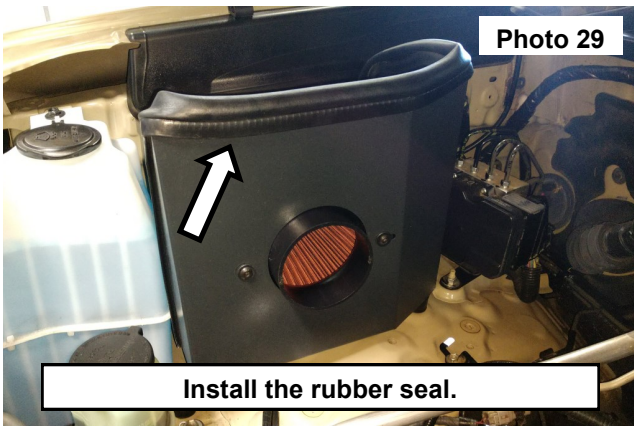


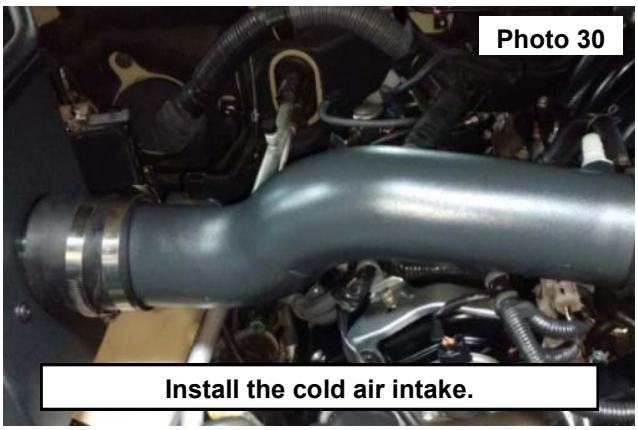
26. Install a 3-1/4” clamp on the rubber coupler. Then install the rubber coupler onto the barbed fitting side of the cold air intake tube. Tighten using a flat bit driver. **See Photo 27.**
27. Install the rubber seal onto the heat shield. Trim if necessary. **See Photos 28 and 29.**



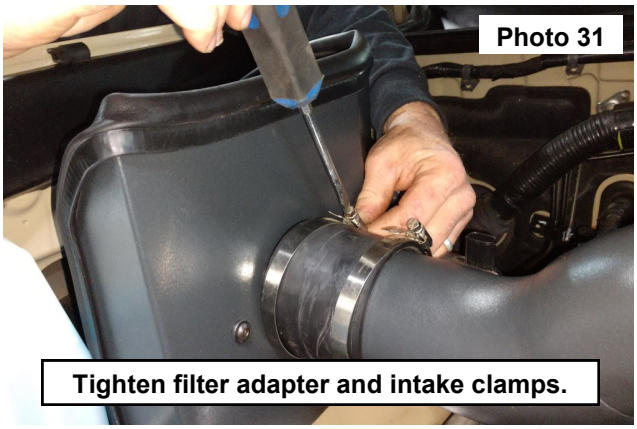


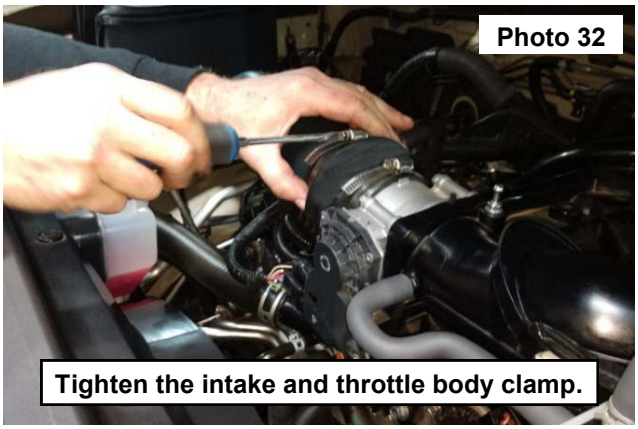
28. Install the cold air intake onto the filter adapter. Then install the rubber coupler onto the throttle body of the engine with the 3 1/4” clamp. **See Photo 30.**



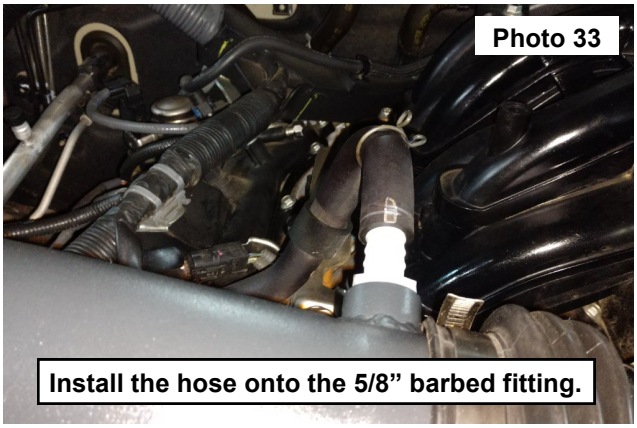


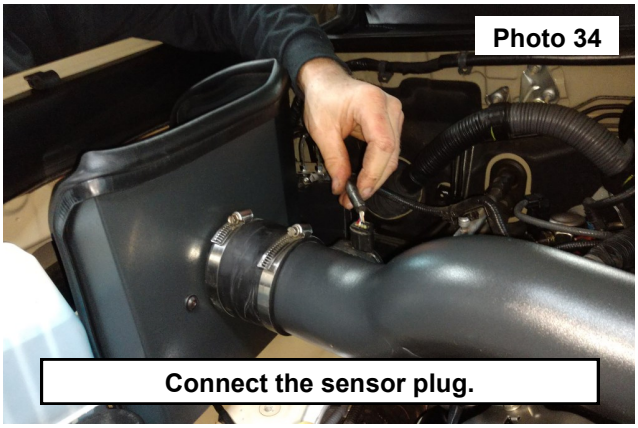
29. Tighten all of the installed clamps on the cold air intake using a flat bit driver. **See Photos 31 and 32.**





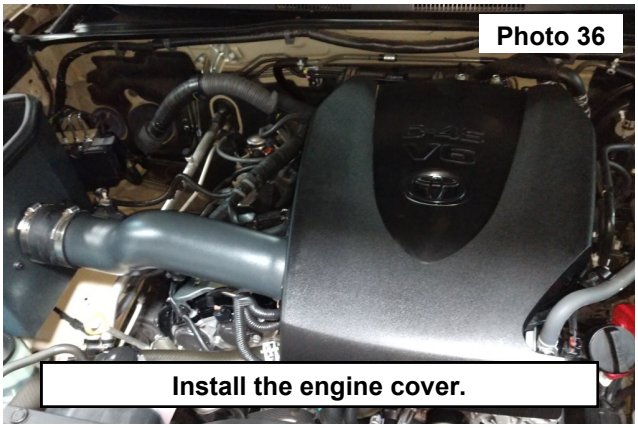
30. Install the vent tube onto the 5/8” barbed fitting. Then secure setting the OE clamp over the hose. **See Photo 33.**
31. Connect the sensor plug on the cold air intake. **See Photo 34.**





32. Install the engine cover onto the clips of the rear mount. Then attach the front mount. **See Photos 35 and 36.**





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