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Rough Country 96010 Installation Instructions

Performance Cat-Back Exhaust for Ford F-150 V8 (2009-2014)

Part number: 96010

trailfortress.com/rough-country-performance-cat-back-exhaust-96010

Scan for fitment, price and install help



FORD 2009-14 F-150 Cat Back Performance Exhaust System

4.6L, 5.0L and 5.4L V8 Engine -All Wheelbase vehicles

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.

Allow adequate time for the exhaust to cool before disassembly.

NOTICE: **Please see Figure 1 on the next page for various CAB/BED options**.

KIT CONTENTS:
Flanged Tube x1 (A)
Tube Flange Extension x1 (B)
Tube Adapter tube x1 (C)
Tube Clamp Hanger (D)
RC Performance Muffler x1 (E)
Dr Side Muffler Exit Tube x1 (F)
Pass Side Muffler Exit Tube x1 (G)
Dr Side exhaust hanger (H)
Exhaust hanger isolator (I)
Rear exit tubes x2 (J)
80 Deg. Side Exit Tube x2 (K)
Exhaust Tip w/RC Logo (Black) x2 (L)

TOOLS NEEDED:
9/16 Wrench and Socket
1/2" Wrench or Socket
10mm Wrench or Socket
13mm Wrench or Socket
16mm Wrench or Socket
Pry bar

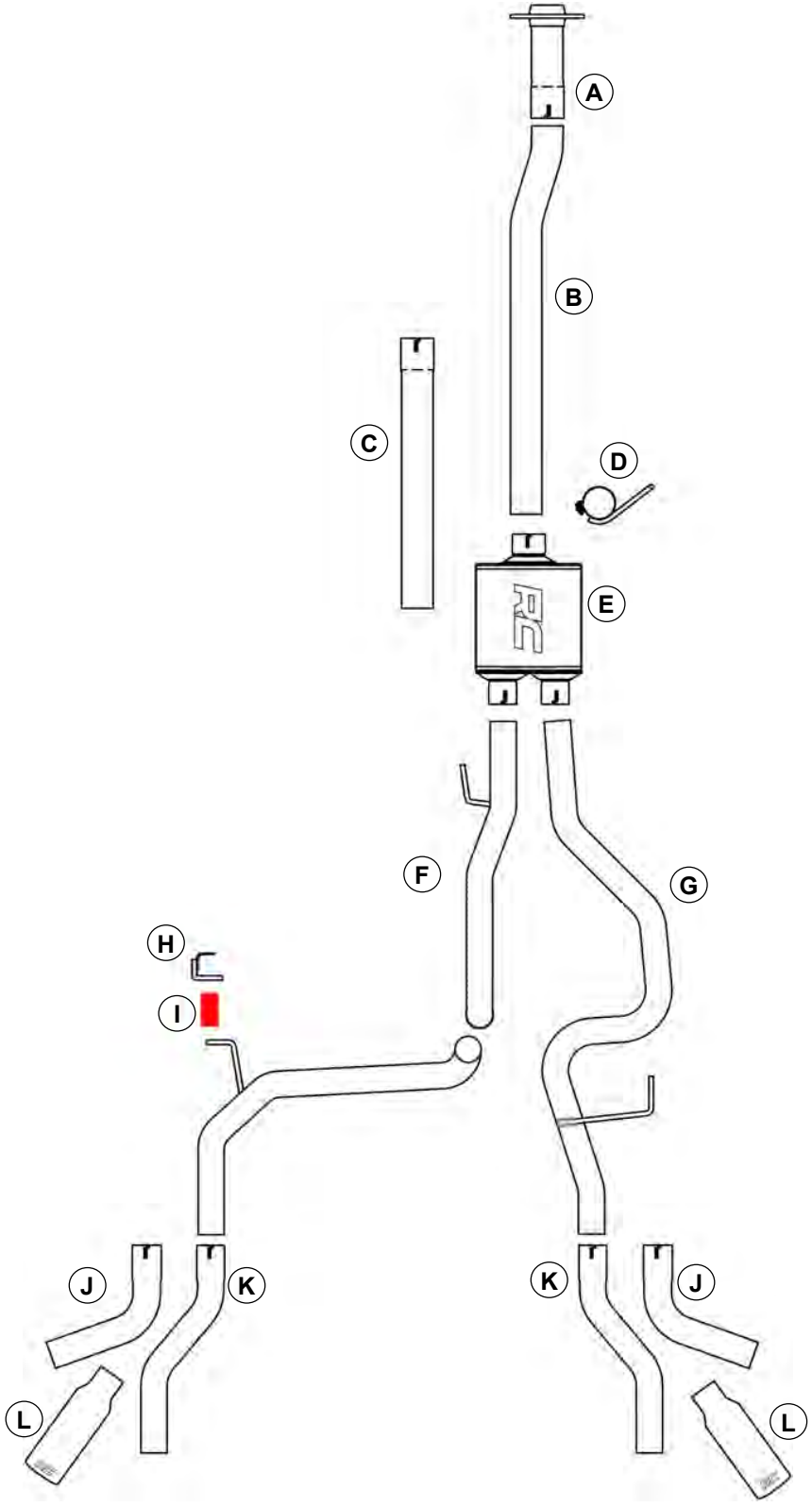
HARDWARE INCLUDED:
3" Exhaust Clamps x 3
2-1/2 Exhaust Clamps x5
5/16-18 x 3/4 Hex Head Bolt x1
5/16" Flat Washer x2
5/16" Lock Washer x1
5/16" Hanger Body Clip x1
3/8-16 x 2-1/2 Hex Head Bolt x2
3/8" Flat Washers x4
3/8" Lock Washer x2
3/8-16 Hex Nut x2
7/16" Hanger Keeper Washer x 3

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

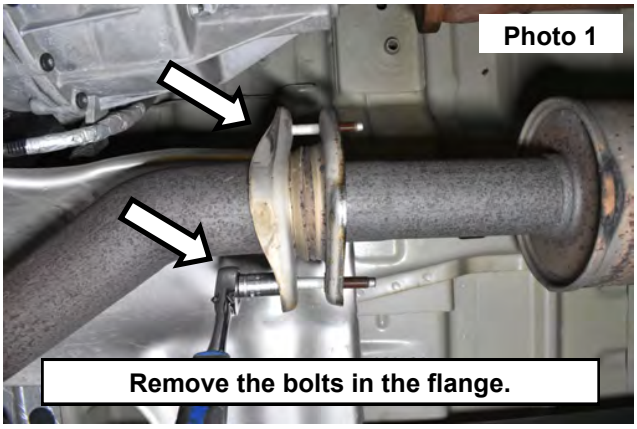
126” WB - Regular Cab/6.5’ Bed - Cut 18” off of Tube “B”. Do not use Tube “C”.
133” WB - SuperCab/5.5’ Bed - Cut 12” off of Tube “B”. Do not use Tube “C”.
145” WB - SuperCrew/5.5’ Bed - Install Tube “B” with no modifications. Do not use Tube “C”.
145” WB - Regular Cab/8’ Bed - Install Tube “B” with no modifications. Do not use Tube “C”.
145” WB - SuperCab /6.5’ Bed - Install Tube “B” with no modifications. Do not use Tube “C”.
157” WB - SuperCrew /6.5’ Bed - Cut 6” off of Tube “C” and Install Tube “C” with no modifications.
163” WB - SuperCab /8’ Bed - Install Tube “B” and Tube “C” with no modifications.

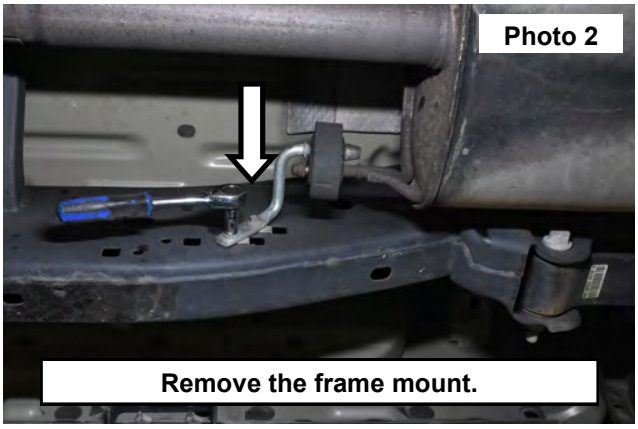
Figure 1



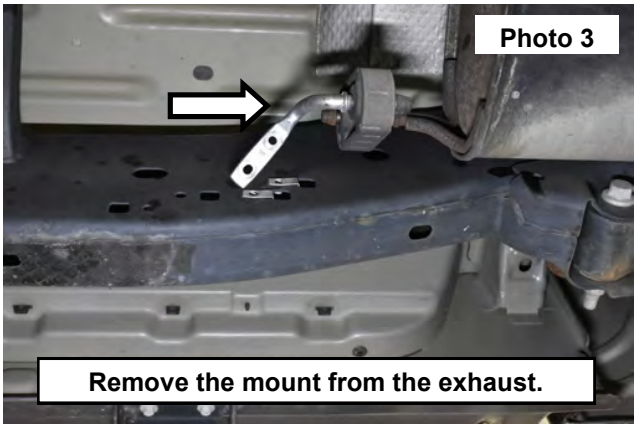
INSTALLATION INSTRUCTONS

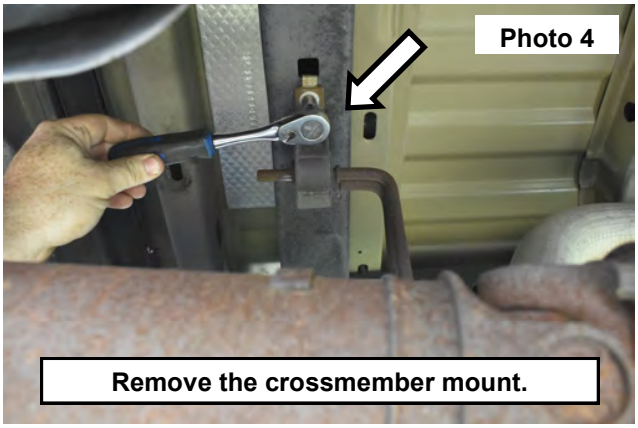
1. Remove the 2 bolts from the flange using a 13mm socket. **See Photo 1.**
2. Remove the exhaust hanger from the frame using a 10mm wrench. Retain hardware for reuse. **See Photo 2.**



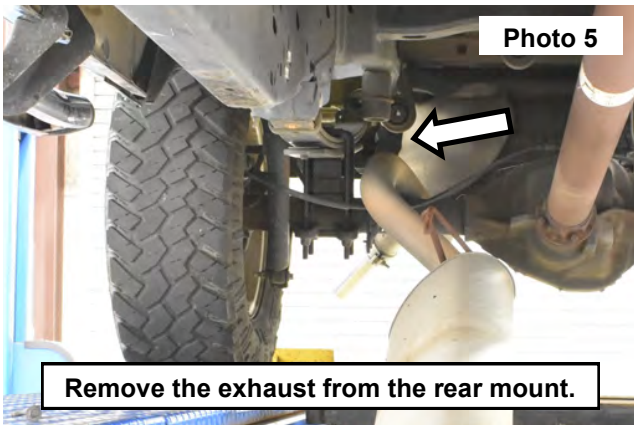


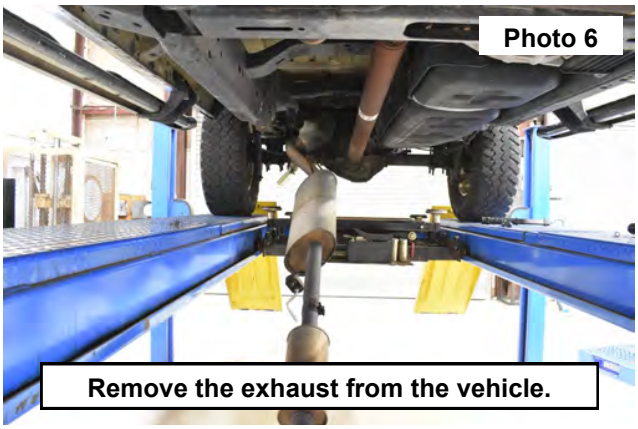
3. Remove the rubber mount from the muffler hanger using plyers or a pry tool. **See Photo 3.** Retain hardware and mount for reuse.
4. Remove the rear crossmember mount using a 10m socket. **See Photo 4.** Retain hardware and mount for reuse.



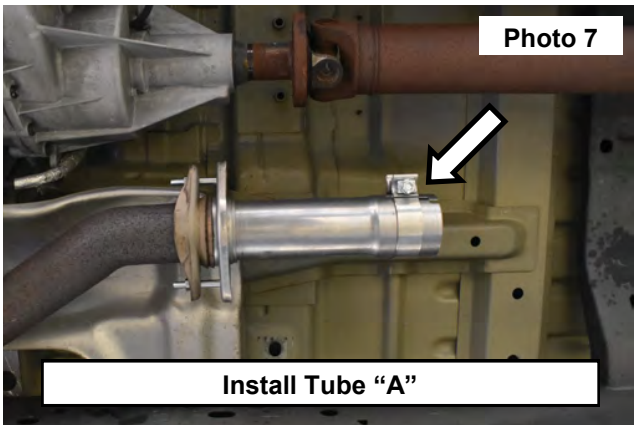


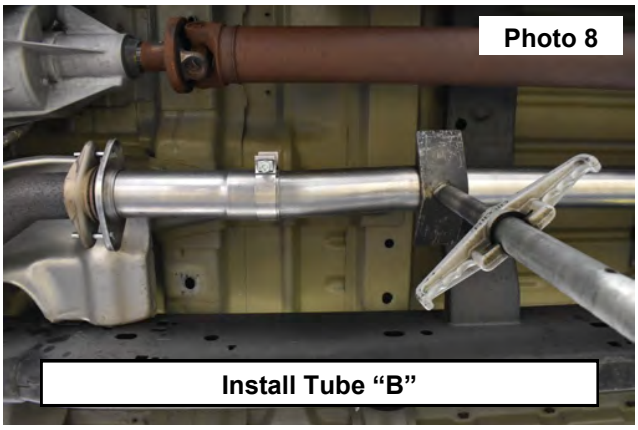
5. Using a pry tool release the rear mount exhaust tube from the rubber mount. **See Photo 5.**
6. Remove the exhaust from the vehicle. **See Photo 6.**



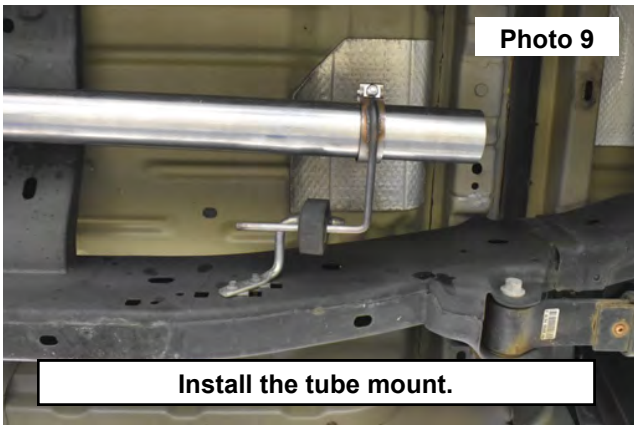


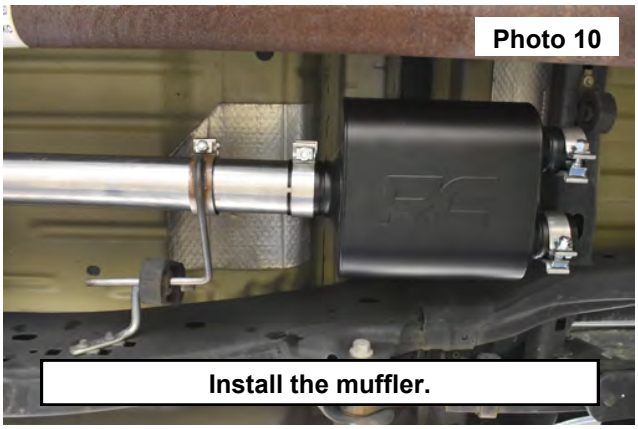
7. Install Tube “A”. Secure by using the supplied 3/8-16 x 2-1/2” bolts. Install a 3”clamp onto the bell of Tube “A”. **See Photo 7.**
8. ***NOTICE:*** *Please see* **Figure 1** *on the 2nd page of this instruction for various CAB/BED options and modify pipes accordingly if directed to do so for your specific vehicle.*
9. Using a stand install Tube “B” into the bell of Tube “A”. **See Photo 8.**



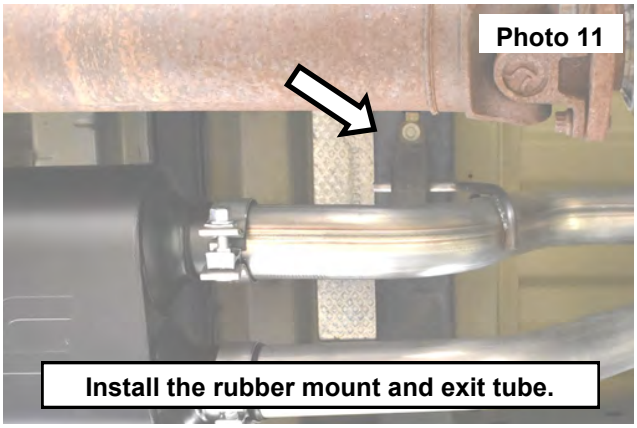


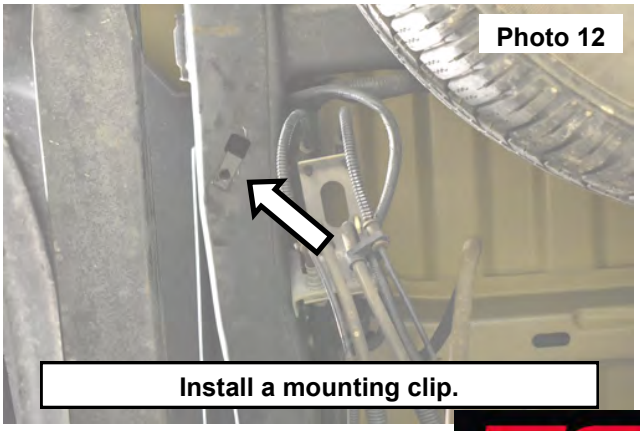
10. Install the OE rubber mount onto the frame using the retained hardware, then install the exhaust tube hanger into Tube “B” and into the rubber mount. **See Photo 9.**
11. Install a clamp onto the single inlet side of the muffler, then install the muffler onto the inlet tube. Snug the clamp using a 16mm socket. **See Photo 10.**



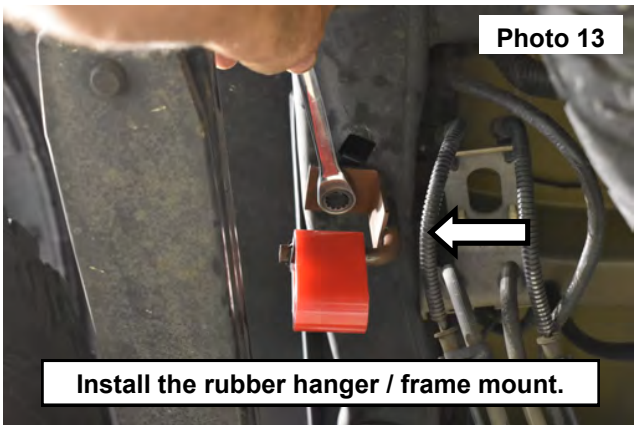


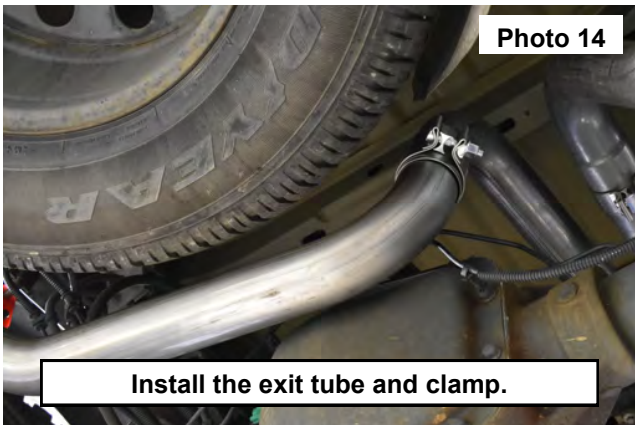
12. Install a clamp on the left rear exit side of the muffler and the crossmember rubber mount using the retained bolt. Tighten using a 10mm socket. Then install the left rear exhaust tube into the muffler and the rubber mount. **See Photo 11.**
13. Install the supplied mounting clip into the left rear frame rail located on the bottom of the frame below the brake line bracket. **See Photo 12.**



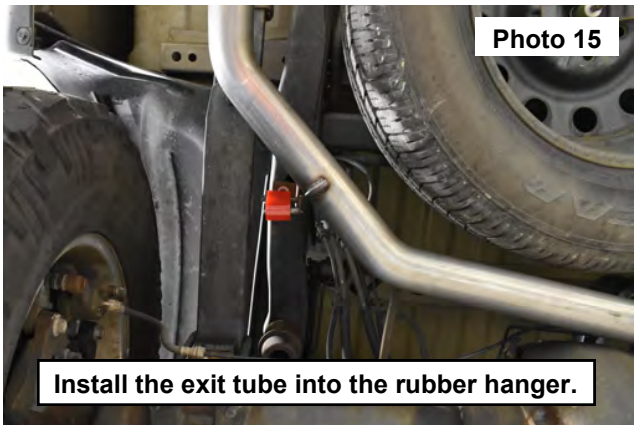


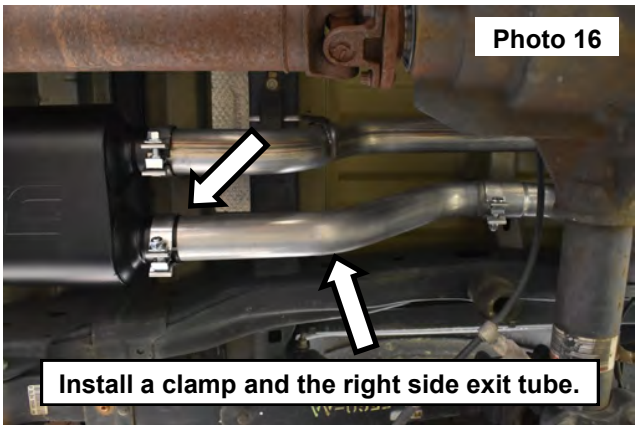
14. Install the exhaust hanger and rubber mount pointed toward the outside of the vehicle, secure using the supplied 5/16-18 x 3/4” hex head bolt , 5/16 flat washer and 5/16 lock washer into the clip installed into the frame. Tighten using a 1/2” wrench. **See Photo 13.**
15. Install a clamp onto the bell of the down tube, then install the left rear exit tube into the down tube and the rubber hanger. Snug the clamp using a 16mm socket. **See Photos 14 and 15.**



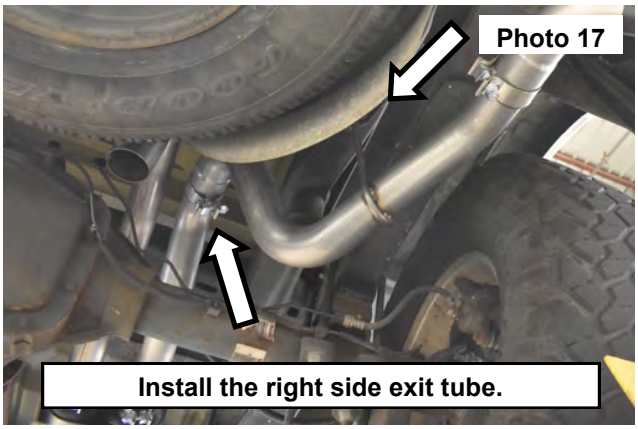


16. Install a clamp onto the right side exit flange on the muffler, then install the right side exit tube. **See Photo 16.**

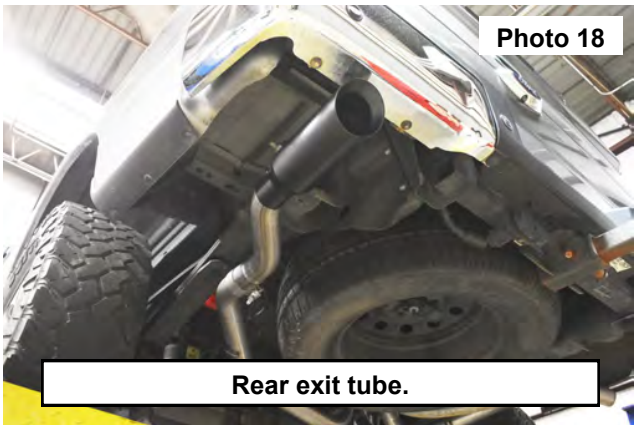


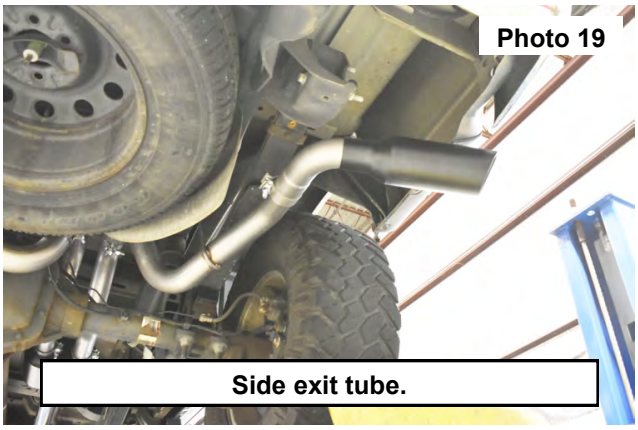


17. Install a clamp on the bell of the right side exit tube and install the right side down tube int the OE rubber hanger and into the exit tube. **See Photo 17.**

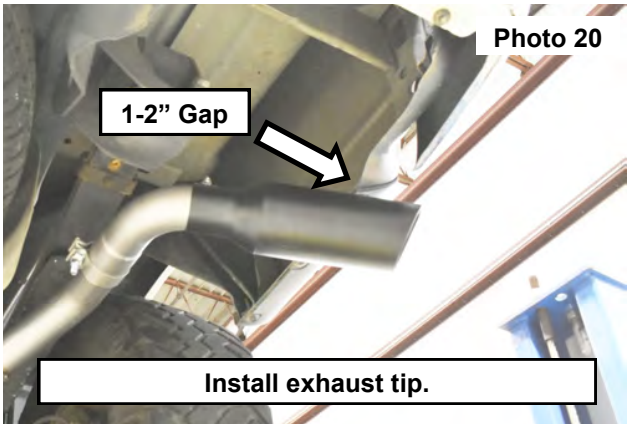


18. When installing the rear tips choose an exit position, either rear exit or side exit. Place a clamp on the bell of the exit tubes. Then install one of the rear exit or side exit tubes shown in **Photos 18 and 19** and snug the clamp to hold the tube in place.





19. Install the tip onto the exit tube. Then tighten the exhaust tips using a 10mm socket. **See Photo 20.**
20. Adjust the muffler and tubes to the correct position.
21. Tighten the flange on Tube “A” using a 9/16 Wrench and Socket.
22. Adjust the exhaust as necessary for clearance if needed and tighten all of the installed clamps throughout the exhaust system using a 16mm socket.
23. Install the supplied retainer clip washers onto the tube hangers installed through the rubber exhaust hangers.



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