

Installation Instructions

PART# 540419

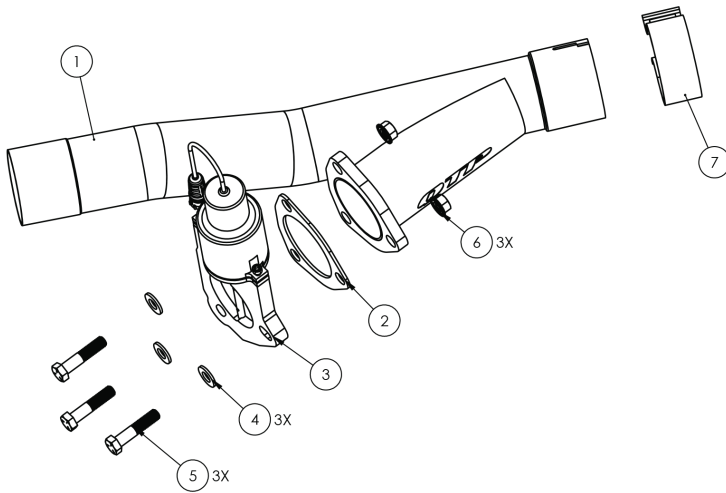
2019-2024 Ford Ranger 2.3L

Aggressor Cutout Pipe



Made in the USA

Caution! Never work on a hot exhaust system. Burns or other serious injuries can result. Always allow the exhaust system to cool before removal. Always consult vehicle manual for proper lifting and support guidelines. Always wear approved safety glasses when working. Serious injury or death can result if safety precautions are not followed.



ITEM NO.	DESCRIPTION	QTY.
1	AGGRESSOR ASSEMBLY	1
2	2.5" 3 BOLT GASKET	1
3	2.5" ELECTRIC CUTOUT	1
4	3/8 SAE FLAT WASHER	3
5	3/8-16 x 1.75" HEX BOLT	3
6	3/8-16 SERRATED FLANGE NUT	3
7	65mm BAND CLAMP	1

Removal of Factory Front Pipes:

Step 1: Raise and support Vehicle.

Step 2: Mark the cut line on the factory exhaust 15" (381mm) from the front edge of the expanded factory muffler inlet. (Images A & B)

Step 3: Using a sawzall, cut on the mark. Take time to ensure the cut is straight. Once cut, loosen the band clamp on the muffler and remove the cut section from the vehicle. Note that removing the muffler from its rubber hangers may make this easier. (Image C)

Step 4: Deburr the cut edge of the remaining factory pipe using a file or similar tool so that the new Aggressor pipe easily slides over the factory pipe.

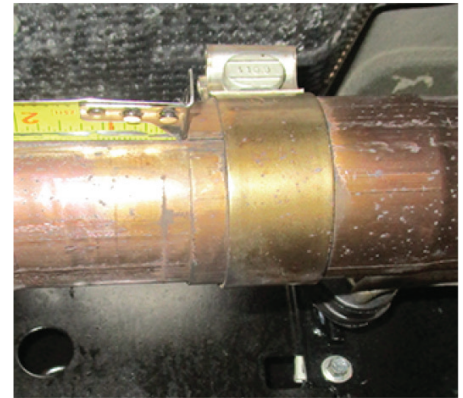


Image A

Installing the Aggressor Pipe:

Step 5: Slide the provided band clamp over the factory pipe. Slide the expanded end of the Aggressor pipe over the factory pipe, push the factory muffler back and turn the Aggressor pipe into position. Once in position, slide the muffler onto the Aggressor pipe (Image D). If you unhooked the muffler hangers, rehook them now.

Step 6: Bolt the valve to the Aggressor pipe using the provided bolts, washers, nuts, and gasket. Position the valve as shown (Image E).



Image B



Image C



Image D

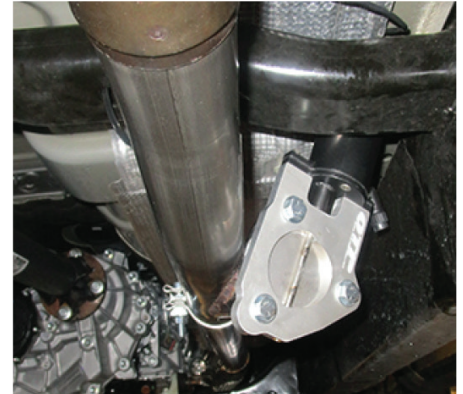


Image E

Wiring the cutouts:

Installing the Toggle Switch

- Make sure that the vehicle battery has been disconnected.
- The switch should be located in a place that is easy to access such as a center console, kick panel, etc.
- Connect the RED wire to a 12 volt source.
- Connect the BLACK wire to a good ground.
- Drill a 1/2" hole where you wish to mount the switch.
- Remove the first lock ring from the shaft of the switch.
- Install switch in the hole you just drilled.
- Slide the lock ring over the switch and tighten so that there is no play in switch.

Routing the Wire Harness

- Make sure that you have the wire oriented so that the connectors mate. They are different, so make sure you pull the proper end into the vehicle.
- Route the wire up through the underside of the car. *Be careful to ensure that the exhaust pipes or drive shaft do not interfere with the cable.
- Route the cables into the car. You can often open up a factory drain plug in the floor pan and snake the wire through.
- For manual transmission cars, you can also come up through the transmission shifter area. Remove the boot/seal of the transmission shifter.
- Plug the cable into the toggle switch, on the connector near the motor, align and press them together and then turn the coupling ring until it locks.

Maintenance

- Check & re-torque ALL clamps after 50 miles of your new install.
- We recommend lubricating the butterfly plate body and shaft using a quality lubricant such as "Liquid Wrench"(tm) from Gunk. This will help prevent Carbon build up naturally generated by the exhaust system and keep the butterfly sealing properly. This should be done on a monthly basis.
- For harsher climates, you should remove the cutouts and store them. Using the supplied block off plates will insure operation while cutouts are removed.
- Check screws every now and then to make sure they are tight. If not reapply a red thread locker and reinstall.

Note: After initial startup a small trace of smoke may be visible from the exhaust, do not be concerned. This is from residual oils left in the tube from the manufacturing process and will dissipate quickly.

Quick Time Performance recommends professional installation on all of our products.

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- Conditions resulting from acts of nature, weather, criminal activity or accidents are subject to adjustment under the product warranty.
- Shipping and handling charges are the responsibility of the end user and are not covered by warranty.
- Any and all labor charges that may be incurred for the removal and or replacement of any covered component or the purpose of affecting this warranty are the sole responsibility of the consumer.
- Leakage

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Questions

Quick Time Performance Technical Team is available Monday through Friday (9am-4pm eastern time) at (864) 913-1999 or via email at: sales@quicktimeperformance.com