



INSTALLATION GUIDE

CTS TURBO FORD RAPTOR ECOBOOST 3.5L HIGH-FLOW CATS



WHAT IS INCLUDED

1. CTS High-flow CATS
2. Hardware

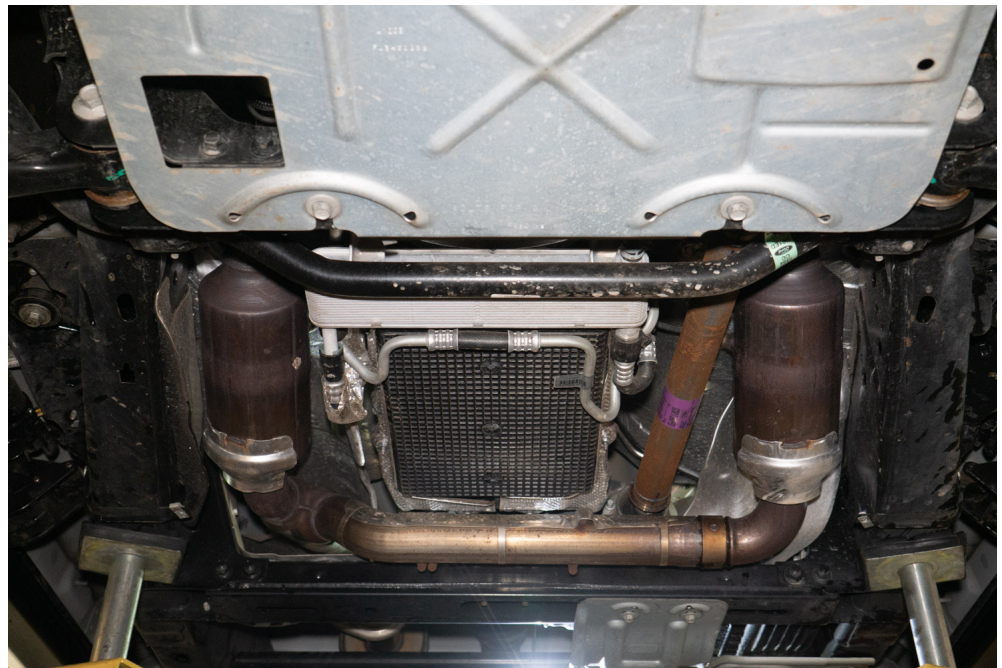
NOTES

Vehicle used in this guide is a 2019 Ford Raptor. Other cars will follow the same steps.

Always make sure the car is safe to work on. Do not work on a hot motor.

STEP 1

Remove under tray.



STEP 2

Remove bolts securing the coolant line to the frame.



STEP 3

Remove steel under tray.



STEP 4

Remove heat shield on passenger side.



STEP 5

There are 6 bolts to be removed.

****YOU HAVE TO SUPPORT THE TRANSFER CASE BEFORE REMOVING ALL THE BOLTS.**



STEP 6

Ensure transfer case is supported before removing the brace.

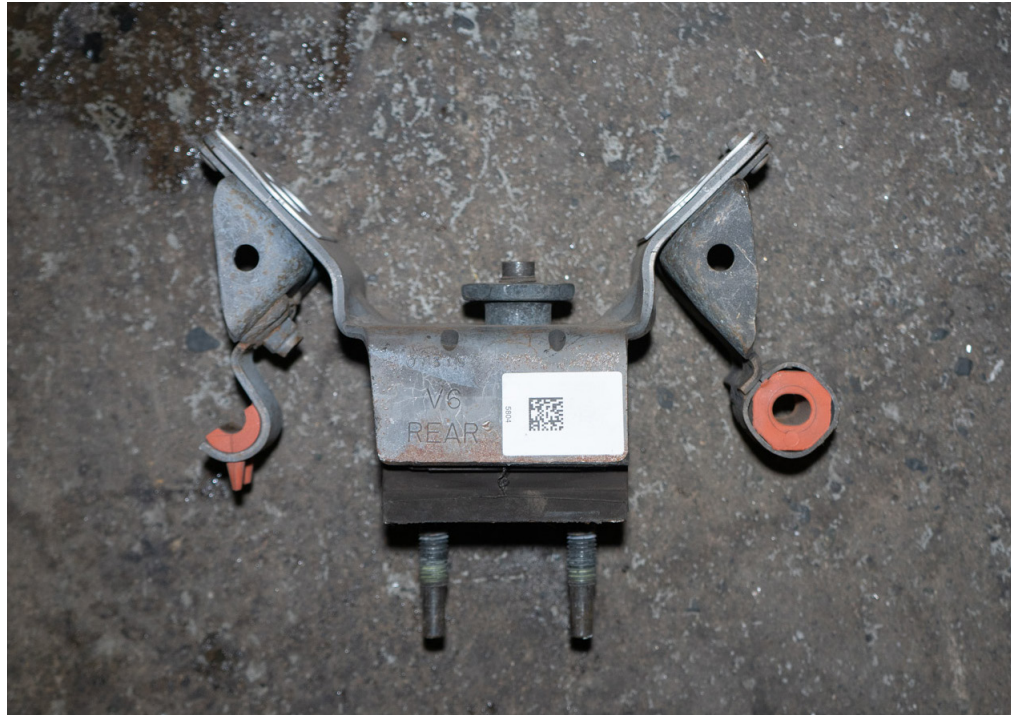
**STEP 7**

Remove bolts connecting the downpipes and exhaust.



STEP 8

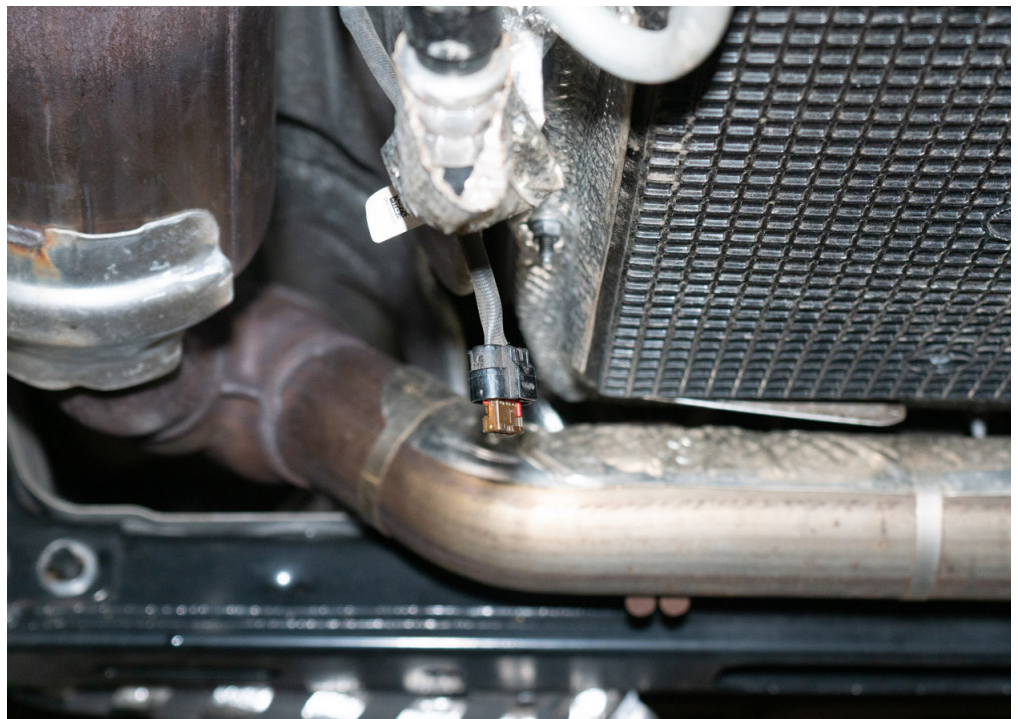
Remove the mount securing the exhaust hangers to the transfer case.



STEP 9

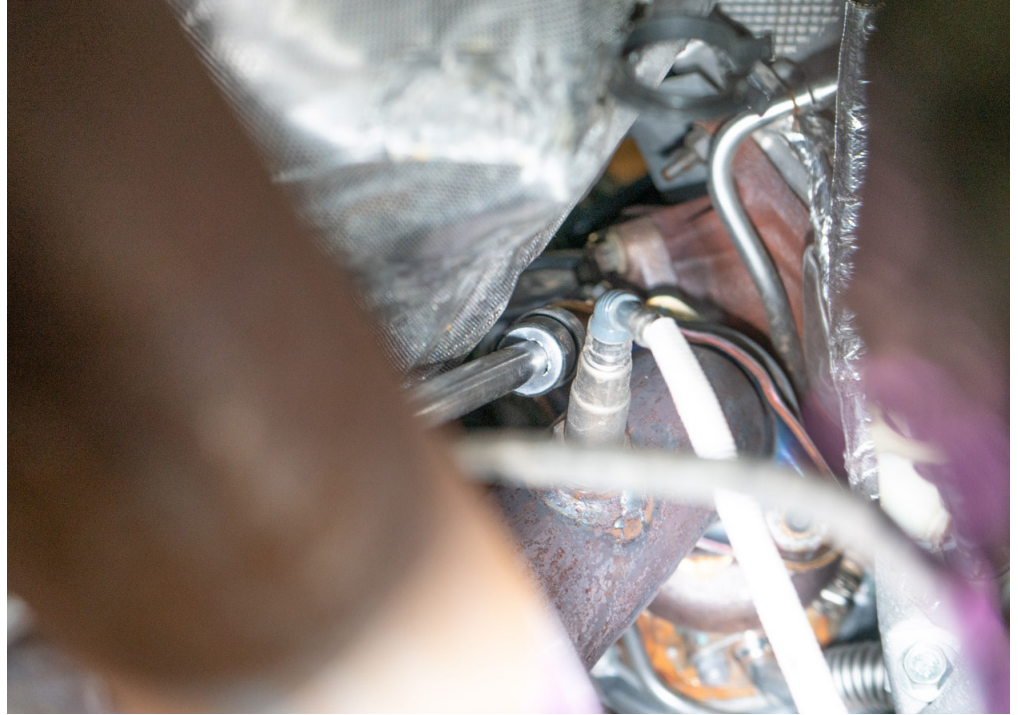
Disconnect the electrical connectors for the O2 sensors on both sides. There are 4 total.

Ensure to keep track of which O2 sensor goes where.



STEP 10

Remove nuts securing the downpipes to the turbos



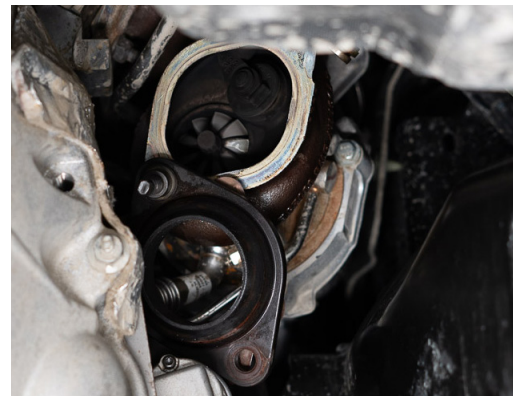
STEP 11

Remove downpipe exhaust section.



STEP 12

At this time if you have purchased our turbine adapter kit you remove the OEM ones and install now.



STEP 13

Install the driver side downpipe.
Do not fully tighten yet.

**STEP 14**

Install passenger side downpipe.
Do not fully tighten yet.



STEP 15

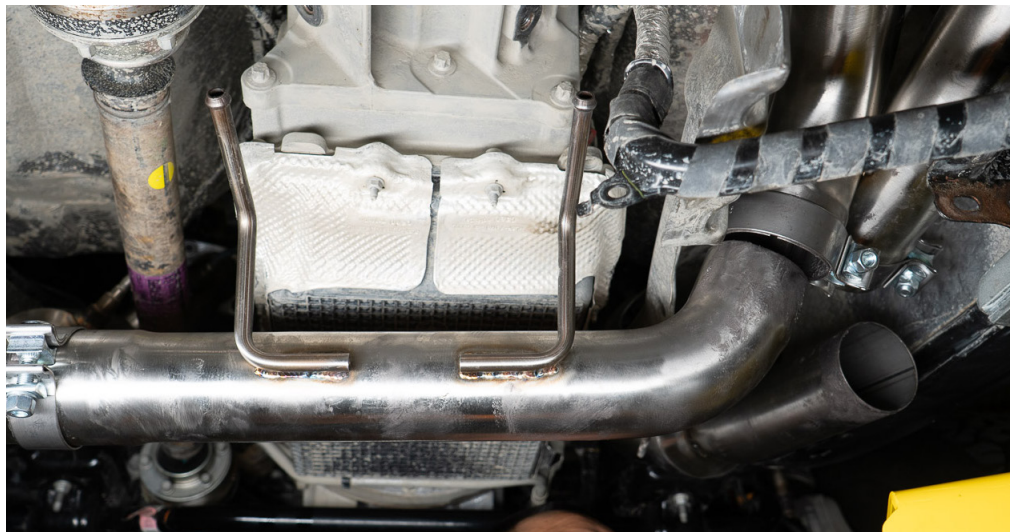
Connect all O2 sensors for before and after the CAT on both sides.



STEP 16

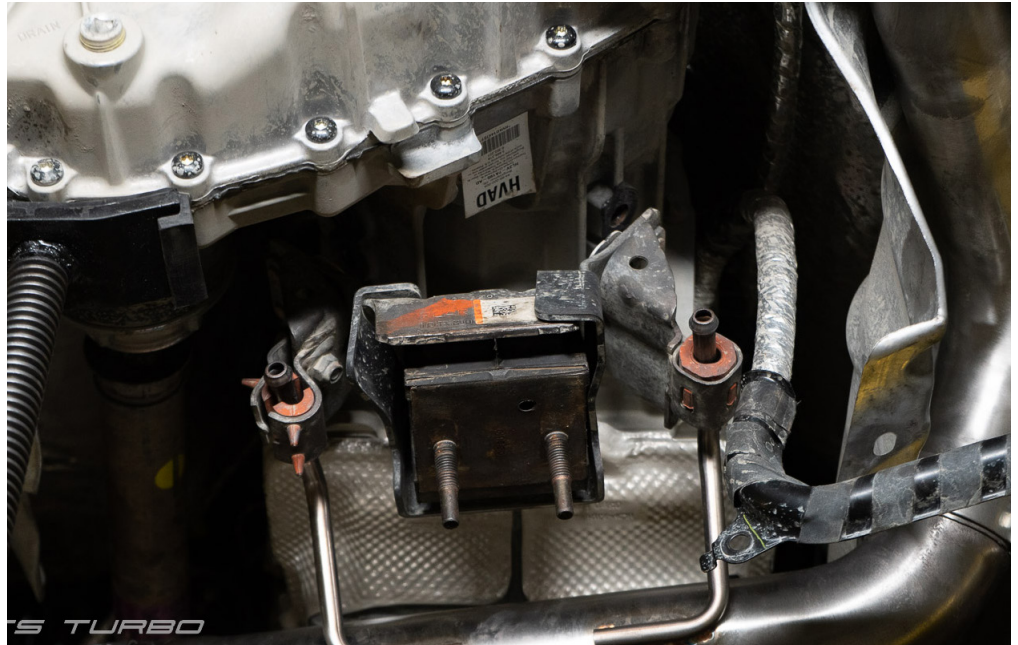
Install the appropriate mid pipes to the driver side downpipe.

You can connect the downpipe to the exhaust on the passenger side at this time.



STEP 17

Connect downpipe hangers to the mount and reinstall.



STEP 18

You can now fully tighten the nuts on the both downpipes.



STEP 19

Reinstall the frame bolts and heat shields.

Ensure all connections are tight and electrical connections are in connected.

You are done!

