

Cadillac CT5V Blackwing

HEADER INSTALLATION INSTRUCTIONS

Thanks for purchasing a Stainless Works system for your 2022+ Cadillac CT5V Blackwing. Our team has worked to ensure that this product is the premium in performance, quality, and fitment. We are proud to say that this system will unleash the true character of your vehicle. We encourage you to read through the following steps, and check the included Bill of Materials before beginning. Please follow these steps to ensure that your installation goes as planned.



2022+ Cadillac CT5V Blackwing

a.

Prior to turning off the vehicle, raise the air suspension all the way up to allow easier removal and assembly of the system

b.

Disconnect the battery before starting to work on the exhaust system for your vehicle. Reconnect the battery when the job is completed.

c.

Your exhaust system can be installed by a weekend warrior, but the use of a lift is recommended for ease of installation. If using a jack, the vehicle must be placed on a hard level surface. Jack stands are required for safety.

d.

You will assemble the components together as specified below, but only snug the clamps as you move along from front to back. After aligning all the components in the vehicle, you will tighten all the clamps working from front to back of the vehicle.

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DISASSEMBLY

1.
Disconnect the battery (located in the trunk).
2.
Remove engine cover
3.
Disconnect PCV hose from passenger side and driver side valve cover and oil cap (use a small flathead screwdriver to pressing the connector in and pulling the hose off.)
4.
Disconnect spark plug wires and remove valve covers
5.
Disconnect and remove all O2 sensors ($\frac{7}{8}$ " wrench), noting sensor positions.
6.
Remove the aluminum shear plate, plastics, and trim to allow access to the engine from below. (6x 13mm, trim tabs, and screws surrounding plate)
7.
Remove the dipstick tube bolt and remove dipstick taking note of orientation (T30).
8.
Remove factory catalytic converter bracket.
9.
Remove catalytic converters. (6x 15mm)
10.
Remove x-pipe assembly.
11.
Remove the starter heat shield and brake line retaining clip. (3x 10mm)
12.
Remove the steering shaft (2x 10mm).
13.
Remove manifold heat shields and manifolds.

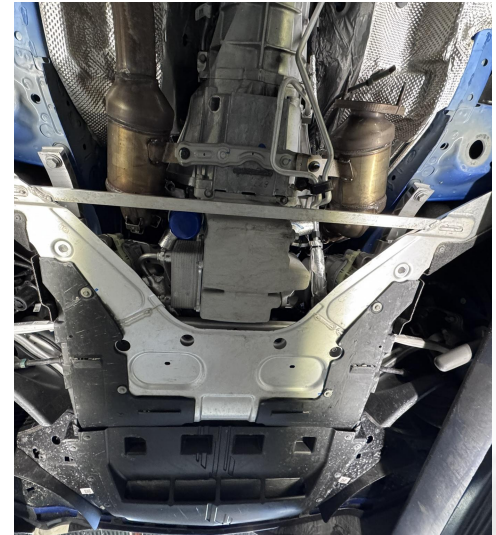
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Detail 3: Remove PCV tube and oil cap



Detail 6: Shear plate, plastics, and trim to remove

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HEADER INSTALLATION

1. Use the provided RTV to create a seal on the header flanges. Allow RTV to get tacky (about 15 minutes).
2. Install the headers using the provided header bolts (10x 10mm bolts).
3. Install the left and right lead pipes (driver side is a catalytic converter) using (2) 3" clamps.

FOR FACTORY CONNECT (*skip to step 7 for Stainless Works catback*)

4. Measure and mark 4.5" forward from the "H" on the factory midpipe. Cut at the mark..
5. Install provided adapters and clamps to lead pipes.
6. Install midpipe and tighten from the front of the vehicle to the back. (**MOVE TO STEP 10**)

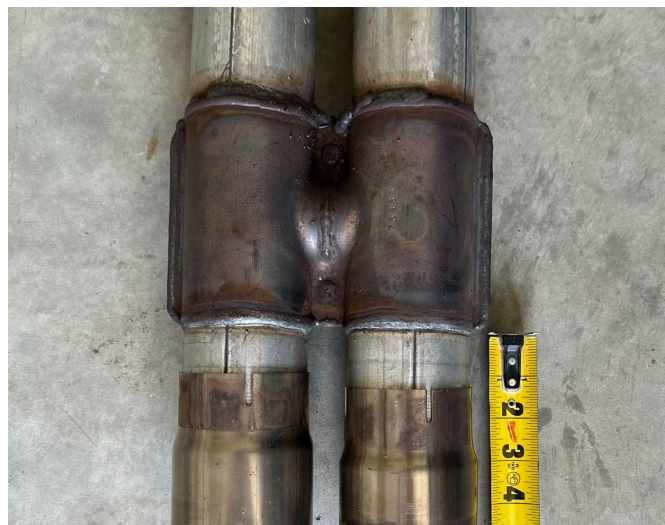
FOR STAINLESS WORKS CONNECTION

7. Install the X-pipe (2) 3" clamps to secure.
8. Install provided adapters **AFTER** the x-pipe to the rest of the Stainless Works cat-back
9. Adjust and tighten clamps from front to back ensuring full clearance from any part of the vehicle.
10. Reinstall O2 sensors using provided O2 extensions, ensuring proper clearance. Zip tie loose cable out of the way.
11. Reinstall the shear plate and plastics.
12. Reinstall spark plug wires and valve covers.
13. Reinstall steering shaft.

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Detail 4: Cut 4.5 inches from the "H" pipe



Detail 13: Steering Shaft

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14.

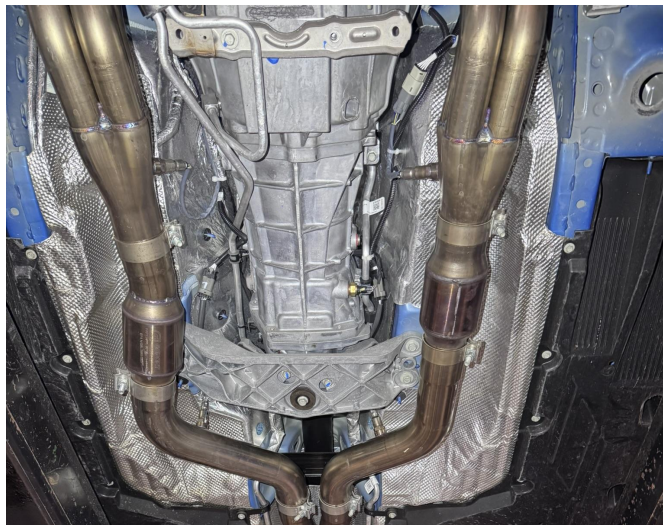
Reinstall PCV tube and engine cover.

15.

Reconnect battery.

16.

After double checking for clearance and making sure all lines, wires and hoses are secured, drive the vehicle for 10-20 miles and re-check all clamps and clearances. Your system may be tack welded at the joints/ clamps to reduce shifting of the system during heating and cooling cycles. Make certain to disconnect the battery before performing any welding.



Detail 16: Stainless Works headers installed

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