



**2009-15 Cadillac CTS-V Sedan/Wagon
Blackheart Cat-Back Dual Exhaust System
BH13170 – Sedan & BH13175 – Wagon
Installation Instructions**



Thank you for making HOOKER HEADERS your choice in a high-performance exhaust system. Extensive dyno/track testing has enabled HOOKER to offer the most advanced design in exhaust systems. The installation, while not complex, will take a certain amount of time. However, the additional horsepower and improved performance will more than justify your efforts. Proper installation and maintenance will ensure long life and maximum performance from your HOOKER HEADER exhaust system.

BEFORE STARTING:

Your vehicle must be raised a minimum of 36 inches. A floor hoist is ideal. If no hoist is available, we strongly urge the use of axle stands as a safety measure. Please read these instructions in their entirety before attempting installation.

CAUTION! WORK ONLY ON A LEVEL SURFACE. USE JACKS /JACKSTANDS OF SUFFICIENT CAPACITY TO LIFT AND SUPPORT YOUR VEHICLE. NEVER WORK UNDER A VEHICLE SUPPORTED BY A FLOOR OR BUMPER JACK.

INCLUDED HARDWARE:

P/N	Qty.	Description
556R22	2	Band Clamp, 2.5" x 1.25" Wide, SS Torca
556R23	6	Band Clamp, 3.0" x 1.25" Wide, SS Torca
516R128	2	Snap-It Exhaust Hanger Grommet
505R96	2	M8 x 1.25 x 50mm SS Hex Drive Screw
546R9	2	Washer, Flat Stainless Steel
556R94	2	Decal – Blackheart 4" x 2"

INSTALLATION:

1. Disconnect the negative cable from the vehicle battery.
2. Lift the vehicle and secure on jack stands.
3. Remove the center cross brace (this will not be reused).
4. From under the vehicle, locate the post catalytic converters. Now measure 4" from the weld area after the left and right side post catalytic converters and use a permanent marker to mark a line. **DOUBLE CHECK AND MEASURE TWICE BEFORE CUTTING.**



Figure 1 (Driver's Side)



Figure 2 (Passenger's Side)

5. Use masking tape to wrap around the OE mid pipe where your final permanent marks are to ensure a straight cut. Draw arrows to ensure you cut at the correct side of the marking tape.



Figure 3 (Driver's Side)



Figure 4 (Passenger's Side)

6. Slide the OE exhaust system off the rubber isolation mounts and remove OE exhaust.
7. When complete, de-burr the inside and outside of the cut tubes (**BE CAREFUL AS THE CUT ENDS WILL BE VERY SHARP**).
8. Install the BlackHeart Adapter Pipes to the left and right side OE post catalytic converters approximately 2" of engagement using the (x2) supplied 2.5" band clamps, but do not tighten.
9. Install the BlackHeart X-Pipe onto the adapter pipes using (x2) supplied 3.0" band clamps then (x2) snap-it exhaust hanger grommets, 8mm bolts, and washers to the chassis. Tighten the (x2) bolts, but do not tighten the band clamps.

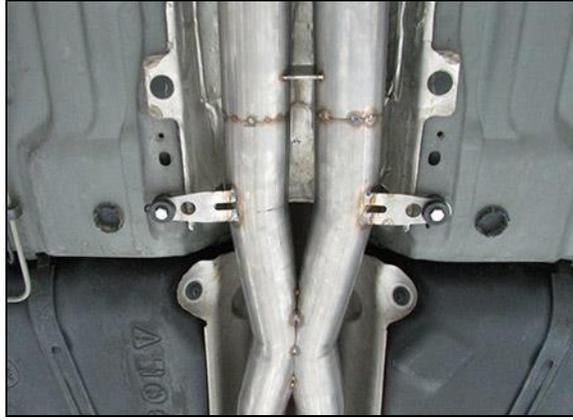


Figure 4

10. Using (x2) 3.0" band clamps, install the left and right side BlackHeart Axle Pipe Sections onto the X-Pipe, but do not tighten.
11. Using (x2) 3.0" band clamps, install the left and right side BlackHeart Muffler sections and onto the rubber isolation mounts. Do not tighten the band clamps.
12. Now align the Blackheart Exhaust System including the left and right side tips to your desired position and tighten all band clamps.
13. Connect the battery, start the engine, and check for leaks.
14. Re-check your work.
15. Remove the jack stands and lower the vehicle.
16. After 150 miles, re-check and tighten all bolts and clamps.

NOTE: It is normal for the Blackheart Exhaust System to emit smoke for the first few minutes during break-in period.