



**2009-2015 Cadillac CTS-V
Blackheart RACE ONLY Long Tube Headers
70101362-RHKR & 70101363-RHKR
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 /JACK STANDS OF SUFFICIENT CAPACITY TO LIFT AND SUPPORT YOUR VEHICLE. NEVER WORK UNDER A VEHICLE SUPPORTED BY A FLOOR OR BUMPER JACK.

HOOKER BLACKHEART RECOMMENDS LONG TUBE HEADERS WITH THE USE OF 45 DEGREE SPARK PLUG WIRE SET P/N 561-100, 561-101 OR 561-102. PLUG WIRE SETS ARE NOT INCLUDED.

INCLUDED HARDWARE:

P/N	Qty.	Description
505R21	12	Bolt, Flanged Head M8 x 1.25 x 25 Zinc
271R1197	2	GM Front O2 Sensor Extension 8" Length Gray
217R2	4	Cable tie
556R94	2	Decal – Blackheart 4" x 2"

Check the hardware package. If anything is missing, please contact Technical Service at 1-866-464-6553 or 270-781-9741.

INSTALLATION:

1. Disconnect the negative cable from the vehicle battery.
2. Lift the vehicle and secure on jack stands.
3. Remove the 4-piece plastic engine cover off the rubber grommets.
4. Remove the center cross brace under the OE exhaust.
5. Remove (x4) 15mm head nuts securing the OE exhaust to the left and right side catalytic converters.
6. Slide the OE exhaust system off the rubber isolation mounts and remove OE exhaust.
7. Remove (x2) 18mm head bolts and (x2) 18mm head nuts securing the front upper strut tower bar.

8. Remove (x8) spark plug wires (these will not be re-used) and (x8) coil packs. We also recommend removing all (x8) spark plugs to help with the removal/install.
9. Remove (x1) 15mm head bolt securing the engine oil dipstick to the engine. Carefully remove engine oil dipstick.
10. Remove the (x4) left and right side oxygen sensors. Un-plug the left and right side post sensors as they will not be re-used.
11. Remove (x4) 15mm head nuts securing the left and right side primary catalytic converters to the OE exhaust manifolds.
12. Remove (x12) 13mm head bolts securing the left and right side OE exhaust manifolds to the engine.
13. Using (x2) supplied O2 extension wires, un-plug the left and right side primary oxygen sensors and install the extension wires.
14. Using (x12) supplied M8 bolts and original gaskets (replace if necessary), install the left and right side BlackHeart Long Tube Headers. Tighten starting with the middle bolt and working your way out.
15. Install the extended left and right side O2 sensors onto the BlackHeart Long Tube Headers and tighten. Secure the wires using (x4) supplied cable ties and ensure they are free and clear of heat and/or moving parts.
16. Using the original hardware from step 9, install the engine oil dipstick and tighten.
17. Install the (x8) coil packs and spark plugs removed from step 8 and then the recommended 45 degree spark plug wires (Not included).
18. Install the 4-piece plastic engine cover removed from step 3.
19. Install the front upper strut tower bar removed from step 7 using the original hardware and tighten.
20. The OE exhaust system will have to be modified by a professional fabricator to accept the Blackheart long tube headers or purchase the BlackHeart RACE ONLY Adapter Link Pipes **P/N 70701334-RHKR** or purchase the Blackheart Complete RACE ONLY Exhaust System **P/N 705013166RHKR or 705013167RHKR** specifically designed for these long tube headers. Refer to the BlackHeart Exhaust or Adapter Link Pipe installation instruction sheets.
21. Install the center cross brace removed from step 4 using the original hardware and tighten if using the OE Exhaust.
22. Connect the battery, start the engine, and check for leaks.
23. Re-check your work.
24. Remove the jack stands and lower the vehicle.
25. After 150 miles, re-check and tighten all bolts and clamps.

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

RECOMMENDED: The Blackheart long tube headers WILL emit a check engine light. We recommend using a tuner to turn off the CEL and for optimum performance.

LIMITATION OF LIABILITY – DISCLAIMER:

The regulation of emissions production, noise levels, and safety standards is undertaken by the federal government, each of the fifty state legislatures, and by many local municipalities, towns, and counties.

HOOKER™ makes no warranties of merchantability, of fitness for particular purpose, or that its products are approved for general use, or that its products comply with laws, regulations, or ordinances in the state where they may be sold to the ultimate purchaser, the consumer.

Unless expressly stated to the contrary in the catalog, instruction sheet; or price list, the entire risk as to the conformity of any company product in any such state and as to repair should the product prove to be defective or non-conforming, is on the retail purchaser, the buyer, the ultimate consumer, of such product and it is not upon the seller, distributor, or manufacturer.

In this connection, the retail purchaser, the buyer, the ultimate consumer assumes the burden of the entire cost of any and all necessary service, alterations, or repair.

THE FOREGOING STATEMENT LIMITS THE LIABILITY OF THE MANUFACTURER.

California vehicle code, sections 27156 and 38391, prohibits the advertising, offering for sale, or installation of any device, which modifies a vehicle's emission control system, unless exempted, unless otherwise noted. HOOKER™ Headers that have not received an Executive Order (E.O.) exemption from these code sections are not legal for sale or use in California on vehicles originally equipped with catalytic converters, except for racing vehicles, which may never be driven upon a highway. Check with your local authorities to determine if these headers are legal for use in your particular area.

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