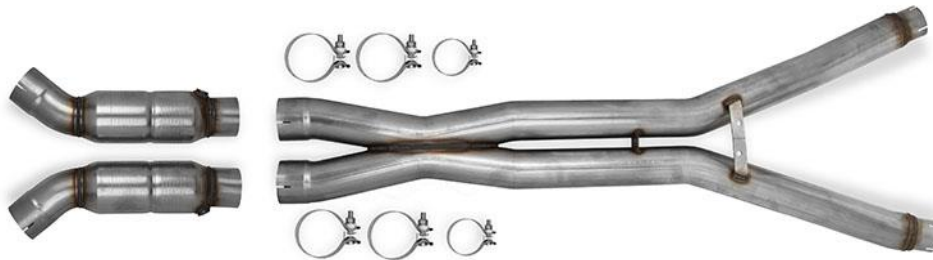




## 2009-13 C6 Corvette RACE 3" X-pipe to OEM Muffler

### PN: 70801303-RHKR – X-PIPE with Cats 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 BLACKHEART exhaust system.

#### **BEFORE STARTING:**

Your vehicle must be raised a minimum of 18 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 and understand these instructions and disclaimer 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.**

#### **INCLUDED HARDWARE:**

Accessory Pack Contents:		
P/N	Qty.	Description
556R23	2	76mm Band Clamps
199R10901	1	Instruction Sheet
599R94	2	Blackheart Decals
271R1125A	2	24" O2 Extension Harnesses
556R22	2	2.5" Band Clamps
556R27	2	3" Torca Couplers

Parts List:	
Qty.	Description
1	Accessory Pack
1	X-Pipe Assembly
1	Left Link Pipe with Cat
1	Right Link Pipe with Cat

Tools Needed:
Spray Lube (WD40®)
3/8 Socket Wrench
12" 3/8 Drive Extension
13mm & 15mm Deep Socket
7/8" Wrench / O2 Sensor Socket
3/8 Universal
3/8 Round File or Dremel Tool
8mm Socket

#### **INSTALLATION:**

**NOTE:** Your Hooker Blackheart Race exhaust system is designed to be used with Hooker Blackheart Headers **P/N 70101317-RHKR** and is not designed to be used with the factory manifolds or catalytic converters.

**IMPORTANT: Inspect your accessory pack: BEFORE YOU START!**

1. Place the vehicle on flat a surface, set the parking brake, and block the front wheels.
2. **Disconnect the negative terminal of the battery.**
3. Lift the vehicle and support with jack stands.

**WARNING! Never support a vehicle with a floor or bumper jack.**

## REMOVING THE OEM EXHAUST:

1. Loosen the clamps at the end of the H-pipe where it connects to the muffler inlet pipes.
2. Remove the (x4) nuts at the H-pipe where it connects to the catalytic converter down pipes. Remove the (x2) nuts at the center spring hangers. Slide the flanges off of the studs and remove the H-pipe from the muffler inlet pipes.
3. **Follow installation instructions for Hooker Blackheart Headers P/N 70101317-RHKR for header installation.**

## INSTALLATION OF YOUR HOOKER BLACKHEART RACE EXHAUST:

1. Inspect the exhaust hanger isolators and any OEM hardware to be reused. Replace, if necessary.
2. Mark the torque tube tunnel cover at the locations shown in **Figure 3**. Outlining a penny or dime for reference works well.

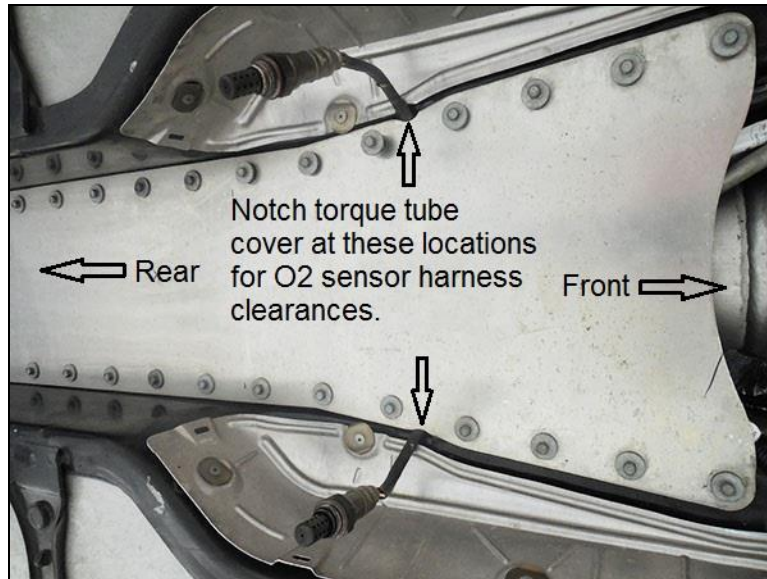


Figure 1

3. Remove the tunnel cover and notch at the locations marked. Be sure and check for accuracy before you begin. The notch should be centered over the opening in the frame rail under the cover.
4. Re-install the cover and leave the last 7 forward bolts out on each side of the cover for now.
5. Install (x2) 3" Torca coupler on each header collector (bolt to the **inside** and nut facing down).
6. Install (x2) 76mm band clamps on each catalyst outlet (bolt to the **inside** and the nut facing down).
7. Install the post catalyst O2 sensors into the Blackheart cats and plug in the extension harness into the sensor.
8. Pull the tunnel cover down slightly and slide the left O2 sensor harness between the cover and the frame rail stopping at the notch. Install the catalyst on to the header collector and tighten the clamp to allow for adjustment. Push the excess harness up through the notch in the cover and adjust for slack at the sensor to allow for exhaust movement. Repeat the process for the right side catalyst and O2 sensor harness.
9. Install the remaining cover bolts and tighten the bolts from the rear forward. Check the O2 sensor harness for movement as the bolts are tightened to be sure the harness is not pinched between the cover and the frame rail. Recheck the harnesses for free movement after the bolts are tight.
10. Route the O2 sensor harness away from the exhaust pipe and connect to the factory harness. Re-mount the harness plug to the holders at the firewall if they were removed previously.
11. Slide the X-pipe on to the catalyst outlet pipes (spring hanger bracket facing up). Do not install the spring hanger. Support the X-pipe.
12. Tighten the clamps on the X-pipe where it connects to the catalyst to allow for adjustment.
13. Position the (x2) 2.5" band clamp at the X-pipe outlet (bolt to the inside and nut facing down).

14. Connect the over-axle pipes from the OEM Muffler to the X-pipe and tighten the clamps to allow for adjustment. The mufflers and the over-axle pipes will need to be as far rearward as possible to allow the X-pipe to connect to the over-axle pipes.
15. Install the spring hangers and tighten the nuts.
16. Tighten the 2.5" clamps to allow for movement.
17. Check all the hardware and the connection points for proper installation and clearance.
18. Adjust all components for proper alignment and tighten all clamps and hardware starting at the front and working towards the tailpipes.
19. Check that the O2 sensor harnesses are routed away from exhaust pipes and secure.
20. Remove the jack stands and lower the car. Connect the battery and remove the wheel blocks.
21. Start the vehicle and check for leaks and loose hardware.
22. Check all hardware again after the first 150 miles of driving.

**NOTE:** Your hooker Blackheart RACE exhaust is equipped with cats for emissions reductions purposes only and may still result in a check engine light. The use of a tuner is recommended to correct this condition and take full advantage of the performance potential of this exhaust system. We recommend DiabloSport tuners.

**Enjoy your Blackheart Exhaust!**

**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.

**Technical Support: 1-866-464-6553**

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