



## 2005-13 C6 Corvette RACE 3" Exhaust System w/ X-pipe PN: 70501338-RHKR – No Mufflers/No 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 BLACKHART 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 /JACKSTANDS 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: |      |                   | Parts List: |                      | Tools Needed:            |
|--------------------------|------|-------------------|-------------|----------------------|--------------------------|
| P/N                      | Qty. | Description       | Qty.        | Description          |                          |
| 556R23                   | 8    | 76mm Band Clamps  | 1           | Accessory Pack       | Spray Lube (WD40®)       |
| 199R10888                | 1    | Instruction Sheet | 1           | Left Over-Axle Pipe  | 3/8 Socket Wrench        |
| 505R57                   | 4    | 5mm x 14mm Bolts  | 1           | Right Over-Axle Pipe | 12" 3/8 Drive Extension  |
| 546R12                   | 4    | 5mm Lockwashers   | 1           | Left Muffler Delete  | 13mm & 15mm Deep Socket  |
| 539R23                   | 4    | 5mm Nuts          | 1           | Right Muffler Delete | 8mm & 13mm Wrench        |
| 599R94                   | 2    | Blackheart Decals | 1           | X-Pipe Assembly      | 3/8 Universal            |
| 517R63                   | 1    | Hooker Logo Plate | 1           | Left Link Pipe       | 8mm, 15mm, & 18mm Socket |
|                          |      |                   | 1           | Right Link Pipe      | 18mm Box Wrench          |

#### **INSTALLATION:**

**NOTE:** Your Hooker Blackheart Race exhaust system is designed to be used with Hooker Blackheart Headers **PN: 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. Spray the muffler isolators, muffler clamp bolts, and the H-pipe flange nuts with WD-40® or equivalent.
2. Remove the (x2) nuts and (x2) bolts from the rear sway bar center mounting bushings. Do not remove the lower control arm bolt. Allow the sway bar assembly to swing down and away from the mufflers. See **Figure 1**.

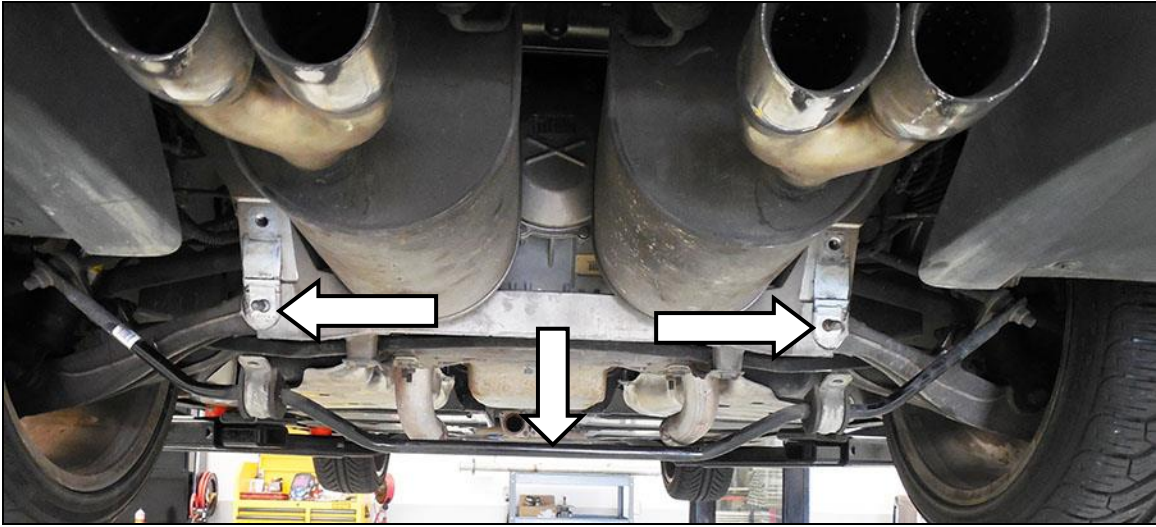


Figure 1

3. Loosen the clamps at the end of the H-pipe where it connects to the muffler inlet pipes.
4. 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.
5. Remove the (x2) bolts from the muffler hangers on each muffler and remove the muffler assembly from the car. Take note of the direction the isolators are installed on the hanger rods (**Figure 2**).
6. Follow installation instructions for Hooker Blackheart Headers PN: 70101317-RHKR for header installation.



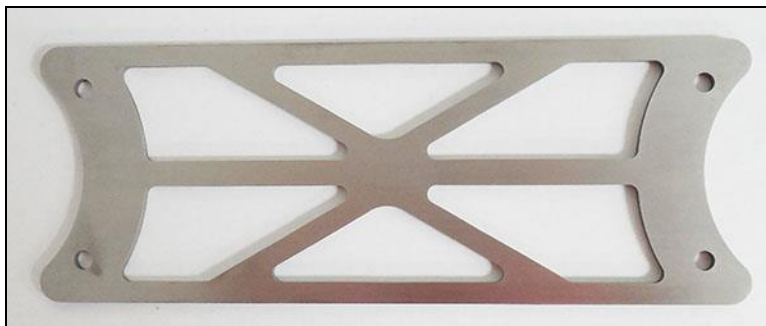
Figure2

## INSTALLATION OF YOUR HOOKER BLACKHEART RACE EXHAUST:

1. Inspect the exhaust hanger isolators and any OEM hardware to be reused. Replace, if necessary.
2. Install the sway bar. Torque the fasteners to the recommended specifications.
3. Install the (x2) 76mm band clamps on to the Left and Right link pipe inlet (bolt to the **inside** and nut down).
4. Install the link pipes on to the header collectors and tighten the clamps to allow for adjustment.
5. Install the (x2) 76mm band clamps on to the link pipe outlets (bolt to the **outside** and nut down).

6. Install the (x2) 76mm band clamp on to the X-pipe outlet (bolt to the **inside** and nut down).
7. Install the **Right** side over-axle pipe into the car with the expanded end towards the front of the car.
8. Slide the X-pipe into the right over-axle pipe (spring hanger bracket facing up)
9. Install the **Left** side over-axle pipe into the car with the expanded end towards the front of the car.
10. Slide the X-pipe into the Left over-axle pipe (spring hanger bracket facing up).
11. Raise the X-pipe to the link pipes. Install the X-pipe on to the link pipes.
12. Install the (x2) 76mm band clamps on to the left and right muffler inlet pipe (bolt to the inside and nut facing down).
13. Install the **Left** muffler delete into the car with the inlet pipe on top of the parking brake cable. Install the muffler delete inlet pipe on to the over-axle pipe. Align the isolator assemblies as shown in **Figure 2**. Install the isolator bolts. **NOTE:** Be sure the parking brake cable is routed under the exhaust pipe.
14. Install the **Right** muffler delete into the car with the inlet pipe on top of the parking brake cable. Install the muffler delete inlet pipe on to the over-axle pipe. Align the isolator assemblies as shown in **Figure 2**. Install the isolator bolts. **NOTE:** Be sure the parking brake cable is routed under the exhaust pipe.
15. Connect the spring hangers and tighten the nuts.
16. Install the HOOKER logo plate between the mufflers and install the supplied hardware. Tighten to allow for adjustment.

**NOTE:** Muffler separator plate with no HOOKER logo is available as P/N 10914HKR. Visit the Holley website @ [www.holley.com](http://www.holley.com) to order online. See **Figure 3**.



**Figure 3 – Muffler Logo Plate without HOOKER Logo – P/N 10914HKR**

17. Tighten the (x4) bolts at the muffler isolators.
18. Check all the hardware and the connection points for proper installation and clearance.
19. Adjust all components for proper alignment and tighten all clamps and hardware starting at the front and working towards the tailpipes.
20. Align the Hooker Logo plate and tighten the supplied 5mm hardware.
21. Remove the jack stands and lower the car. Connect the battery and remove the wheel blocks.
22. Start the vehicle and check for leaks and loose hardware.
23. Check all hardware again after the first 150 miles of driving.

**NOTE:** The use of a tuner is recommended to prevent the check engine light from illuminating and to 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.

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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.

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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. HOOKE<sup>TM</sup> 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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**Date: 9-2-15**