



2005-08 C6 Corvette
Axle-back 3" Exhaust System w/o Mufflers
70401314-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 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 Clamp
199R10878	1	Instruction Sheet
505R57	4	5mm x 14mm Bolts
546R12	4	5mm Lock Washer
539R23	4	5mm Nut
599R94	2	Blackheart Decal
517R63	1	Hooker Logo Plate

Parts List:	
Qty.	Description
1	Left Over-Axle Pipe
1	Right Over-Axle Pipe
1	Left Muffler Delete Assembly
1	Right Muffler Delete Assembly

Tools Needed:
Spray Lube (WD 40®)
3/8 Socket Wrench
12" 3/8 Drive Extension
13mm & 15mm Deep Socket
13mm Wrench
3/8 Universal
15mm Socket
18mm Box Wrench

INSTALLATION:

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**.

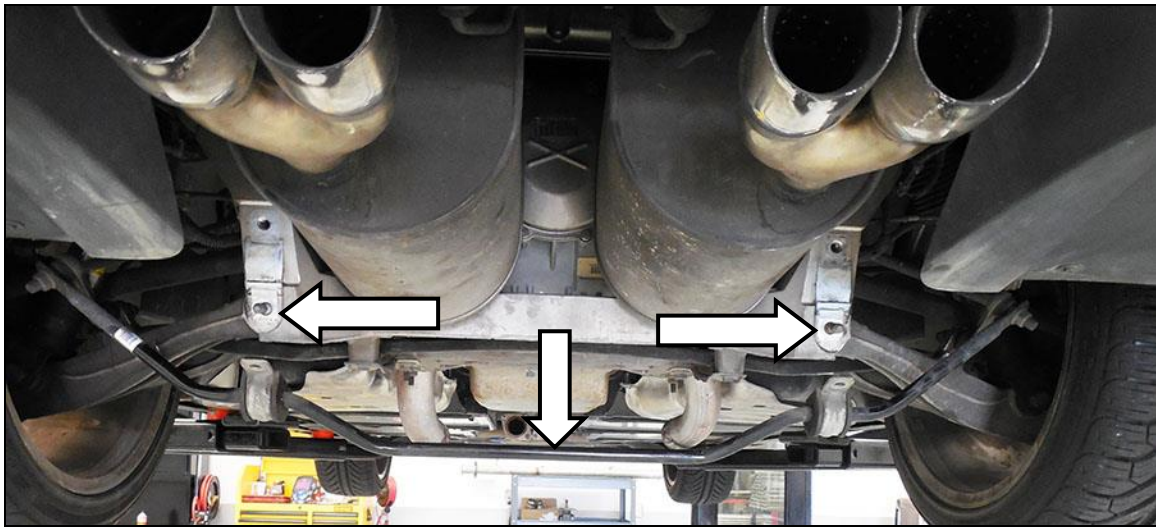


Figure 1

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

INSTALLATION OF YOUR HOOKER BLACKHEART AXLE-BACK EXHAUST:

1. Inspect the exhaust hanger isolators and any OEM hardware to be reused. Replace, if necessary.
2. Install the sway bar.
3. Install the (x2) 76mm band clamps on to the muffler/muffler delete inlet pipes with the bolts on the inside of the pipe and nut facing down.
4. Install the muffler isolators on to the Hooker Blackheart muffler hanger rods in the same direction they were removed from the O.E.M mufflers. See **Figure 2** above.
5. Install the **Left** muffler delete into the car with the inlet pipe on top of the parking brake cable. 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.
6. Install the **Right** muffler delete into the car with the inlet pipe on top of the parking brake cable. 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.
7. Install the **Left** side over-axle pipe into the muffler delete. Leave the clamp loose for now.
8. Install the **Right** side over-axle pipe into the muffler delete. Leave the clamp loose for now.
9. Slide the H-pipe on to the over-axle pipes (spring hanger bracket facing up). Connect the H-Pipe to the catalytic converter down pipes, and install the flanges and nuts. Tighten the flange nuts to allow for adjustment. Install the spring hanger and nuts.
10. Tighten the clamps on the H-pipe where it connects to the over-axle pipes to allow for adjustment.
11. Position the 76mm band clamp at the muffler/muffler delete inlet pipe and tighten the clamp to allow for adjustment.
12. 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 PN: 10914HKR.
See **Figure 3**.

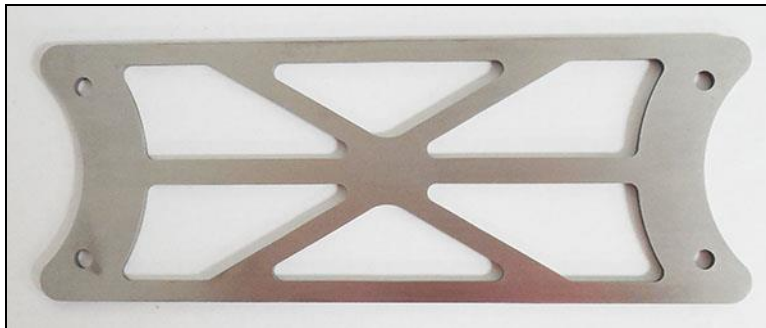


Figure 3 – Muffler Logo Plate without HOOKER Logo – P/N 10914HKR

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

Enjoy your Blackheart Exhaust!