



**2009-14 Challenger 5.7L R/T Cat-Back 3" Exhaust System  
70502301-RHKR w/ Muffler (no tips) & 70502302-RHKR w/ No Muffler (no tips)  
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
556R22	2	63.5mm Band Clamps
556R23	6	76mm Band Clamps
199R10806	1	Instruction Sheet

Parts List	
Qty.	Description
1	H-pipe assembly
2	Muffler assembly or Muffler delete pipe
1	Left -Tailpipe assembly
1	Right- Tailpipe assembly
2	OEM tip adapters

Tools Needed:	
Description	
3/8 Socket Wrench	
6" – 3/8 Drive Extension	
15mm Deep Socket	
Spray Lube (WD-40®)	
13mm socket	
13mm wrench	

## INSTALLATION:

### 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.

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

### REMOVING THE OEM EXHAUST:

1. Support the exhaust at both ends.
2. Remove the bolts at the isolator brackets on the Left and Right tailpipes (2x each). Support the muffler assembly. Keep them separated as left and right are different.
3. Spray all the exhaust hanger isolators with WD-40®.
4. Separate the left tailpipe from the resonators by removing the spring nuts at the flange, drop the tailpipe and remove the isolator. Lower and remove the tailpipe and muffler assembly from under the car.
5. Remove the isolator from the right side resonator hanger (at the differential). Loosen the band clamps at the connection point at the Catalyst down pipes and the factory H-Pipe. Lower the muffler assembly to clear the rear valance and slide the exhaust rearward until the H-Pipe is clear of the down pipes. Lower and remove the exhaust from under the car.

### INSTALLATION OF YOUR HOOKER BLACKHEART CAT-BACK EXHAUST:

1. Inspect the exhaust hanger isolators and any OEM hardware to be reused. Replace, if necessary.
2. Install the 63.5mm Band clamps on to the (x2) catalyst down pipes (bolt facing outward and on the bottom).
3. Install the **H-PIPE** on to the Catalytic Converter down pipes. Spray the down pipes with WD-40® to ease installation. Align and tighten the clamps to allow for adjustment. Support the H-pipe to prevent damage to the catalytic converter down pipes.
4. Install a supplied 76mm band clamp over each leg of the H-pipe outlet (bolt inside and nut down).
5. Install the **Mufflers or Muffler delete pipes** (depending on the kit you have) on to the H-pipe. Align and tighten the clamps to allow for adjustment.
6. Install a supplied 76mm band clamp over each muffler or muffler delete outlet tube (bolt inside and nut down).
7. Install the **right side tailpipe** into the muffler or muffler delete pipe. Spray the isolators with WD-40® and install the isolators on the hangers at the back of the tailpipe. Check that the mounting tab is facing the front of the car. Rotate the tailpipe up and install the hanger into the differential isolator. Install the bolts for the tailpipe hangers and tighten to specification. Tighten the clamps at the muffler to allow for adjustment.

**NOTE:** The position of the isolators for correct alignment is shown in Figures 1, 2, & 3 below.

8. Install the **left side tailpipe** into the muffler or muffler delete pipe. Spray the isolators with WD-40® and install the isolators on the hangers at the back of the tailpipe. Check that the mounting tab is facing the front of the car. Rotate the tailpipe up and install the hanger into the differential isolator. Install the bolts for the tailpipe hangers and tighten to specification. Tighten the clamps at the muffler to allow for adjustment.

**NOTE:** The position of the isolators for correct alignment is shown in Figures 4, 5, & 6 below.

9. Install a supplied 76mm band clamp over each tailpipe (bolt inside nut down).
10. Install the supplied adapter to the OEM tip and tighten the clamp to allow for adjustment. Install the **Left and Right O.E.** tip assembly on to the tailpipe. Position the clamps Align tips and tighten the clamps
11. Check all the hardware and the connection points for proper installation. Adjust and tighten all clamps starting at the front and working towards the tailpipes.
12. Remove the jack stands and lower the car. Connect the battery and remove the wheel blocks.

13. Start the vehicle and check for leaks and loose hardware.

14. Check all hardware again after the first 150 miles of driving.

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

**Enjoy your Blackheart Exhaust!**

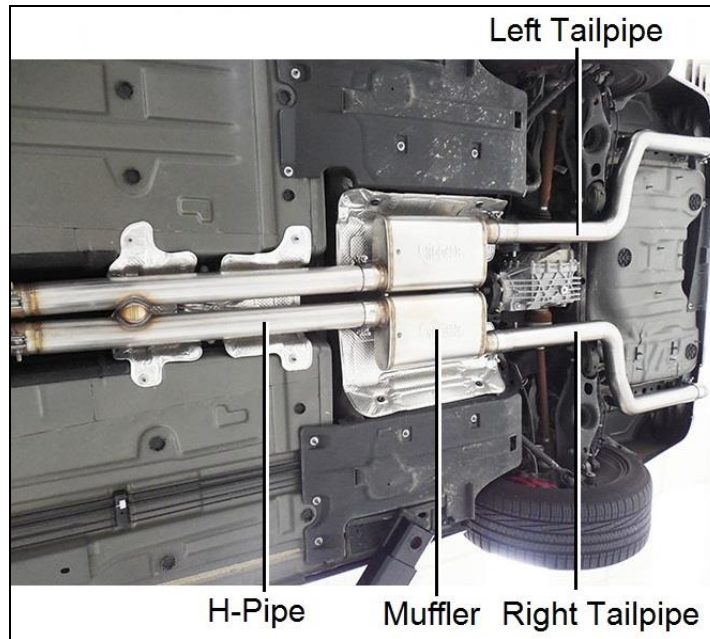


Figure 1



Figure 2

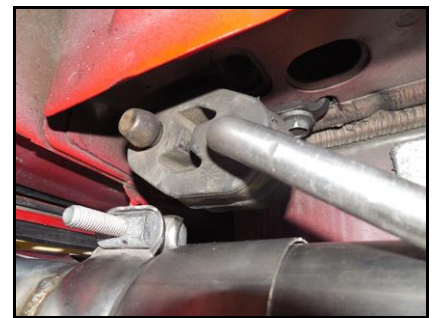


Figure 3



Figure 4

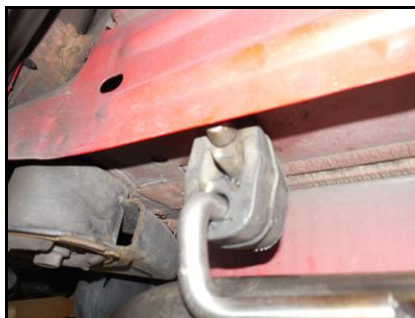


Figure 5



Figure 6

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

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