



## 2015-16 5.7L V8 Dodge Charger/Chrysler 300

70502337-RHKR - Header-Back RACE ONLY Exhaust System w/ mufflers

70502338-RHKR - Header-Back RACE ONLY Exhaust System w/o mufflers

### 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:**

Parts List:	
Qty.	Description
1	H-Pipe Assembly
2	Muffler Assembly or Muffler Delete Pipe
1	Left Tailpipe Assembly
1	Right Tailpipe Assembly
2	Mid Pipes

Accessory Pack Contents:			
P/N	Qty.	Description	
556R27	2	3" Torca Couplers	
556R23	6	3" Band Clamp	
199R11208	1	Instruction Sheet	
599R94	2	Hooker Decal	

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

#### **INSTALLATION:**

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

**NOTE:** This kit is for use with Hooker BlackHeart Long Tue Headers (70102304-RHKR or 70102305-RHKR) and assumes the headers have already been installed.

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.

**NOTE:** Never support a vehicle with a floor or bumper jack.

#### **REMOVING THE OEM EXHAUST:**

1. Support the exhaust at both ends.

2. Remove the transmission tunnel braces.
3. Remove the bolts at the isolator brackets on the **Left** and **Right** tailpipes (2x each). See **Figure 1**.
4. Spray all the exhaust hanger isolators with WD-40® or equivalent.
5. Separate the left tailpipe from the resonators by removing the spring nuts at the flange (**Figure 1**). Drop the tailpipe and remove the isolators. Keep separate from the right side as they are different). Lower and remove the tailpipe and muffler assembly from under the car.
6. Remove the 13mm bolt at the right and left side resonator hanger at the differential (**Figure 1**). Loosen the band clamps at the connection point between the catalyst down pipes and the factory X-pipe (**Figure 1**). Slide the exhaust assembly rearward until the X-pipe is clear of the down pipes. Lower the X-pipe and pull the system towards the front of the car until the tailpipes clear the rear valance. Lower and remove the exhaust from under the car. Remove the isolators and set aside.

**NOTE:** Cutting the factory tailpipe at the right side muffler will simplify the removal of the exhaust, but is not necessary (**Figure 1**).

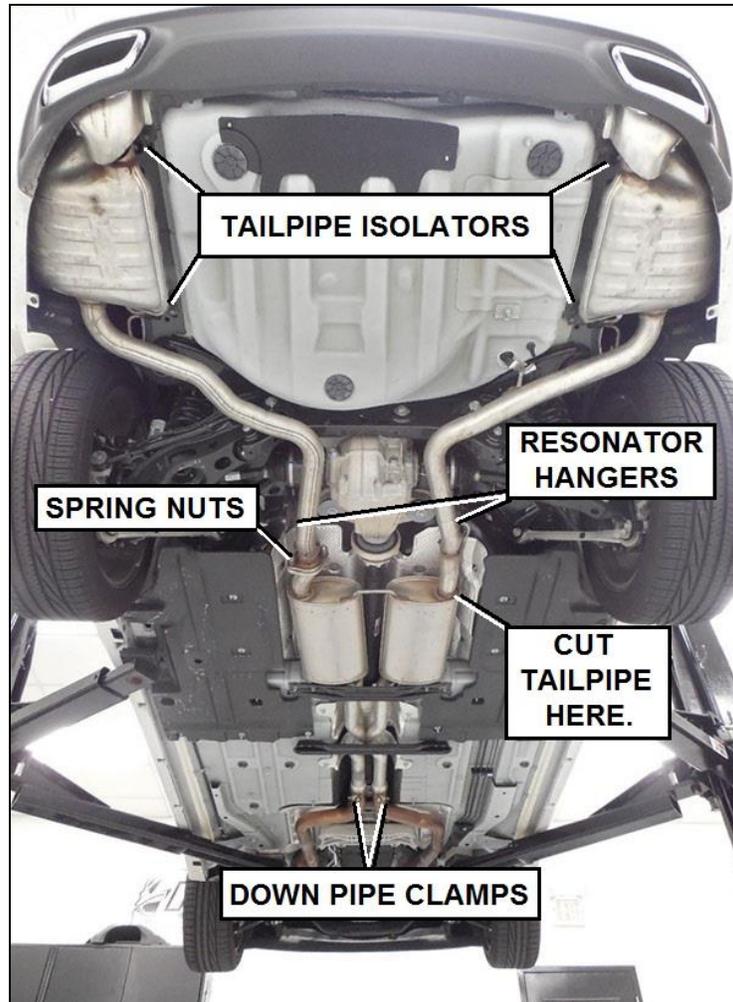


Figure 1

### INSTALLATION OF YOUR HOOKER BLACKHEART RACE HEADER-BACK EXHAUST SYSTEM:

1. Inspect the exhaust hanger isolators and any OEM hardware to be reused. Replace, if necessary.
2. Install the 3" TORCA coupler on to the header collectors (x2) with the bolt facing outward and on the bottom. See **Figure 2**.
3. Install the Left and Right side **Mid Pipe** with the inlet (long side) into the TORCA coupler, position the coupler so the collector and Mid Pipe tube are approximately half way in to the coupler. Tighten clamps so the pipes can be adjusted. Install supplied 3" band clamp over the mid pipe outlet (short side) with bolts on bottom and to the outside (**Figure 3**).
4. Pre-install the Mufflers or Muffler delete inlet pipes (depending on the kit you have) on to the H-pipe. Align the mufflers flat and even with each other and tighten the clamps with the bolt at the top of the pipe and the nut facing outward (**Figure 4**).

5. Install the H-pipe assembly on to the mid pipes. Support the H-pipe at the mufflers and reinstall the transmission cross braces and nuts. Slide the clamps over the H-pipe inlets. Align and tighten the clamps at the mid pipe connection to allow for adjustment (**Figure 3**).
6. Install the supplied 3" band clamp over each muffler or muffler delete outlet tube (bolt inside and nut down). See **Figure 5**.
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 differential isolator hanger and bolt. Install the bolts for the tailpipe hangers and tighten to specification. Tighten the clamps at the muffler to allow for adjustment (**Figures 5 & 6**).
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 differential isolator hanger and bolt. Install the bolts for the tailpipe hangers and tighten to specification. Tighten the clamps at the muffler to allow for adjustment (**Figures 5-7**).
9. 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.
10. Remove the jack stands and lower the car. Connect the battery and remove the wheel blocks.
11. Start the vehicle and check for leaks and loose hardware.
12. Check all hardware again after the first 150 miles of driving.

\*This is a RACE ONLY exhaust system and no provisions have been made to install the after catalyst O2 sensor.

**Enjoy your BlackHeart Exhaust!**



**Figure 2**



**Figure 3**



**Figure 4**



**Figure 5**



**Figure 6**



**Figure 7**



**Installed**

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

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