



**2008 - 2014 Challenger
5.7, 6.1, & 6.4L – 3” 304SS Full Exhaust System
(RACE ONLY)**

70502305-RHKR (w/ muffler/no tips) & 70502306-RHKR (w/o 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
556R27	2	3” Torca Clamps
556R23	8	76mm Band Clamps
199R10841	1	Installation Instructions

Parts List	
Qty.	Description
2	Mid Pipes
1	H-pipe assembly
2	Muffler assembly or Muffler delete pipe
1	Left -Tail pipe 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

NOTE: BEFORE YOU START, Inspect your accessory pack.

INSTALLATION:

NOTE: This Kit is for use with HOOKER BLACKHEART Long Tube Headers PN 70102301-RHKR.

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 (x2 each) bolts at the isolator brackets on the Left and Right tailpipes. Keep these 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 tail pipe, 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 between 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 FULL EXHAUST SYSTEM:

1. Inspect the exhaust hanger isolators and any OEM hardware to be reused. Replace, if necessary.
2. Install the supplied (x2) 3" TORCA couplers (P/N 556R27) on to the (x2) header collectors (bolt facing inward and on the bottom).
3. Install the Left and Right side **Mid Pipe** with the marked inlet into the TORCA coupler. Position the coupler so the collector and mid pipe tube are approximately half way in to the coupler. Tighten the clamps so the pipes can be adjusted. Install a supplied 76mm band clamp over each mid pipe outlet with bolts on bottom and to the outside.
4. Install the **H-PIPE** on to the mid pipe. Align and tighten the band clamps to allow for adjustment. Support the H-pipe to prevent damage to the mid pipes and headers.
5. Install a 76mm band clamp over each leg of the H-pipe outlet (bolt inside and nut down).
6. 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.
7. Install a supplied 76mm band clamp over each muffler or muffler delete outlet tube (bolt inside and nut down).
8. 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 in **Figures 1, 2, & 3** below.
9. 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 in **Figures 4, 5, & 6** below.
10. Install a supplied 76mm band clamp over the outlet of each tail pipe (bolt inside and nut down).
11. Install a supplied adapter to each OEM tip and tighten the clamp to allow for adjustment. Install the **Left and Right** assembly on to the tailpipe. Position the clamps, align the tips, and tighten the clamps.
12. Check all the hardware and the connection points for proper installation. Adjust and tighten all clamps starting at the front and working towards the tail pipes.

13. Remove the jack stands and lower the car. Connect the battery and remove the wheel blocks.

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

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

IMPORTANT! 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 1



Figure 2



Figure 3



Figure 4



Figure 5

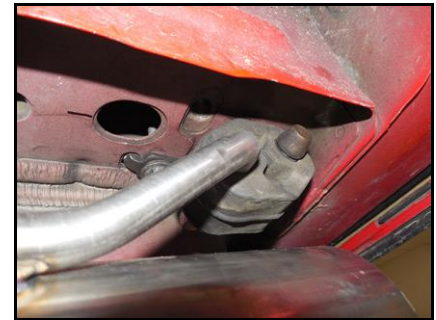


Figure 6

Technical Support: 1-866-464-6553

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.

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