



## 2011-14 Dodge Charger/Chrysler 300C 5.7L R/T 3" 304SS Cat-Back Exhaust System

70502319-RHKR (w/ Muffler) & 70502320-RHKR (w/o Muffler)



### 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 Clamp
556R23	4	76mm Band Clamp
199R11120	1	Instruction Sheet
599R94	2	Blackheart Decal

Parts List:	
Qty.	Description
1	H-Pipe Assembly
2	Muffler Assembly Or Muffler Delete Pipe
1	Left -Tail Pipe Assembly
1	Right- Tailpipe Assembly

Tools Needed:	
Description	
3/8 Socket Set w/Universal	
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.

Never support a vehicle with a floor or bumper jack.

## REMOVING THE OEM EXHAUST:

**NOTE:** A second person will be necessary to assist with the removal of the factory exhaust as one piece. Cutting the Right tailpipe at the muffler will make removal of the factory exhaust much easier, but is not necessary.

1. Support the exhaust at both ends.
2. Remove the cross braces under the exhaust system.
3. Remove the bolts at the isolator brackets on the Left and Right tailpipes (x2 each). Take note of their position on the car for reference later (take a picture). Keep separated as left and right are different.
4. Spray all the exhaust hanger isolators with WD-40®.
5. Separate the left tailpipe from the resonators by removing the spring nuts at the flange, remove the isolator at the differential. Push the tailpipe rearward to clear the studs at the flange, lower the tailpipe, and pull back towards the front of the car until the tailpipe clears the exhaust tip. Remove the Left tailpipe and muffler assembly from under the car.
6. 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 X-pipe. Spray the connection with lubricant to make disassembly easier. Slide exhaust rearward until the X-pipe is clear of the down pipes. Lower the X-pipe inlet and pull the exhaust toward the front of the car until the tailpipe clears the exhaust tip at the bumper. 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 (x2) 63.5mm Band clamps on to the catalyst down pipes (bolt facing outward and on the bottom - same direction as the factory clamps).
3. Install the **H-pipe** on to the catalytic converter down pipes (spray the down pipes with WD-40® to ease installation). It will be necessary to push the center heat shield back to make room for the 3" exhaust pipe to clear the heat shield.
4. Align the clamps over the expanded end of the H-pipe and tighten to allow for adjustment. Support the H-pipe, to prevent damage to the catalytic converter down pipes.
5. Install a 76mm band clamp on to the muffler inlet pipe with the clamp positioned with the bolt on top of the pipe and the bolt facing the outside of the car (**Figures 1 & 2**).



Figure 1

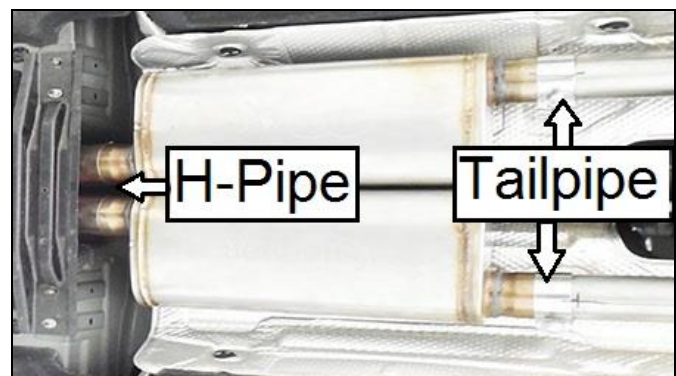


Figure 2

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 (**Figures 1 & 2**).
7. Install the supplied 76mm band clamp over each muffler or muffler delete outlet tube (bolt inside & nut down). See **Figures 1 & 2**.
8. Install the left and right tailpipe isolators on to the new Blackheart tailpipes. Refer to your reference picture for correct positioning.
9. Install the **Right side tailpipe** into the tip at the bumper then position the tailpipe at the muffler or muffler delete pipe. Install the tailpipe into the muffler or muffler delete pipe. Spray the isolator at the differential with WD-40® and rotate the tailpipe hanger into the isolator (**Figure 3**).
10. Install the bolts on the right tailpipe hangers and tighten.

11. Install the **Left side tailpipe** into the tip at the bumper then position the tailpipe at the muffler or muffler delete pipe. Install the tailpipe into the muffler or muffler delete pipe. Spray the isolator at the differential with WD-40® and rotate the tailpipe hanger into the isolator (**Figure 4**).
12. Install the bolts on the Left tailpipe hangers and tighten.



**Figure 3**



**Figure 4**

13. 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.
14. Install the cross braces under the exhaust system, check for clearance with the exhaust.

**NOTE:** The installation height of the factory catalytic converter down pipes varies. It may be necessary to adjust the position of the down pipes to provide additional clearance for the exhaust at the cross brace. This can be done by loosening the bolts at the catalytic converter flange and adjusting the down pipes up to provide the necessary clearance. Tighten the clamps at the H-pipe before support is removed.

15. Remove the jack stands and lower the car. Connect the battery and remove the wheel blocks.
16. Start the vehicle. Check for leaks and loose hardware.
17. Check all hardware again after the first 150 miles of driving.

**Enjoy your Blackheart Exhaust!**