



2015-16 Challenger 5.7L R/T Cat-Back 3" Exhaust System 70502327-RHKR w/ Muffler (no tips) & 70502328-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
556R22	2	2.5" Band Clamps
556R23	6	3" Band Clamps
199R11163	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 Drive Metric Socket set	
10" 3/8 Drive Extension	
15mm Deep Socket	
Spray Lube (WD-40®)	
13mm Wrench	
Rotary File or Saw	

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.

- Support the left and right muffler assembly. Remove the bolts at the isolator brackets on the left and right tailpipes (x2 each side). See **Figure 1**. Remove isolator at the differential tailpipe hanger from the tailpipe and leave the isolator on the factory hanger attached to the car.

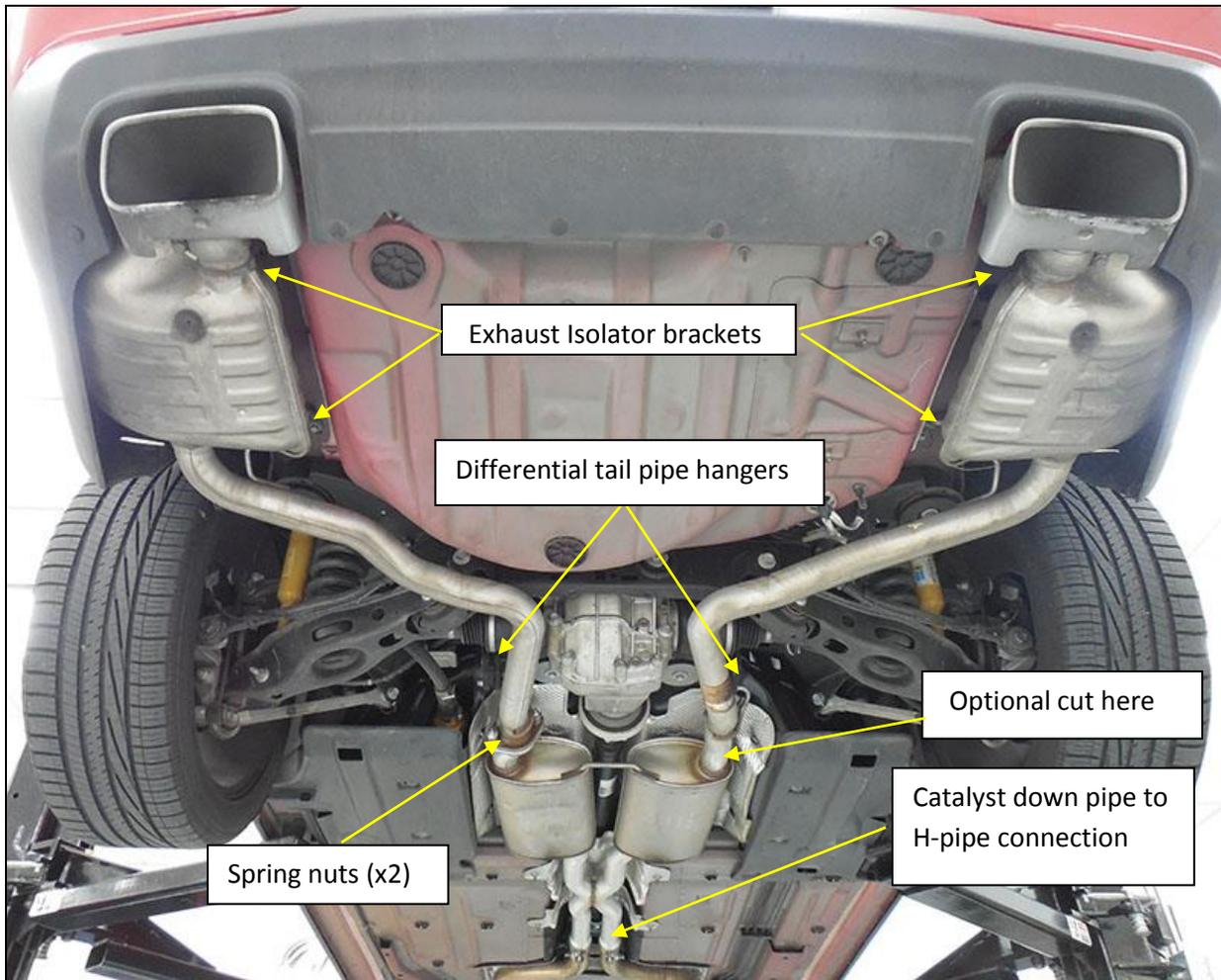


Figure 1

- Separate the left tailpipe from the resonators by removing the spring nuts at the flange (**Figure 1**). Lower and remove the tailpipe and muffler assembly from under the car.
 - Loosen the clamps on the H-Pipe where it connects to the catalytic converter down pipes and spray the connection with WD-40® (**Figure 1**).
 - Lower the right muffler to clear the bumper. Remove the H-pipe and right side exhaust from the catalyst down pipes.
- NOTE:** Cutting the right tailpipe at the resonator will make removal much less difficult, but is not necessary (**Figure 1**).
- Take a picture of the tailpipe isolator assemblies before they are removed from the tailpipes for reference later. Remove the isolator assemblies from the factory exhaust. Keep the isolator assemblies separated (left and right) as they are different.

INSTALLATION OF YOUR HOOKER BLACKHEART CAT-BACK EXHAUST:

- Inspect the exhaust hanger isolators and any OEM hardware to be reused. Replace, if necessary.
- Install the 2.5" Band clamps on to the (x2) catalytic converter down pipes (bolt facing outward and on the bottom).
- Install the **H-pipe** on to the catalytic converter down pipes. Spray the down pipes with WD-40® to ease installation. Align the clamps at the bottom of the pipe with the bolt facing out. Tighten the clamps to allow for adjustment (**Figure 2**). Support the H-pipe to prevent damage to the catalytic converter down pipes.
- Install a supplied 3" band clamp over each leg of the H-pipe outlet (bolt outside and nut down). See **Figure 3**.

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 (**Figure 3**).
6. Install a supplied 3" band clamp over each muffler or muffler delete outlet tube (bolt inside and nut down). See **Figure 4**.
7. Spray the right isolators with WD-40® and install the isolators on the hangers at the back of the tailpipe. Refer to pictures for proper orientation of the isolator assemblies before installation. Install the **right side tailpipe** into the muffler or muffler delete pipe. Rotate the tailpipe up and install the hanger into the differential isolator. Install the bolts for the tailpipe hangers and tighten to specification (**Figure 5**). Tighten the clamps at the muffler to allow for adjustment (**Figure 4**).
8. Spray the left isolators with WD-40® and install the isolators on the hangers at the back of the tailpipe. Refer to pictures for proper orientation of the isolator assemblies before installation. Install the **left side tailpipe** into the muffler or muffler delete pipe. Rotate the tailpipe up and install the hanger into the differential isolator. Install the bolts for the tailpipe hangers and tighten to specification (**Figure 6**). Tighten the clamps at the muffler to allow for adjustment (**Figure 4**).
9. Install a supplied 3" band clamp over each tailpipe (bolt outside nut down). See **Figure 7**.
10. Remove the clamp from the factory tailpipe used to install the tip. Using a file or saw, cut part way through the weld as close to the clamp as possible. Work the clamp until it releases from the tailpipe. Deburr any sharp edges before installation on to the tip adapter (**Figure 8**).
11. 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 the tips and tighten the clamps (**Figure 7**).
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 tailpipes.
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.

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 2



Figure 3



Figure 4



Figure 5



Figure 6



Figure 7



Figure 8



Figure 9

Technical Support: 1-866-464-6553

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