



**2011-17 Jeep Grand Cherokee 5.7L
Blackheart Cat-Back Exhaust w/ Mufflers
70505306-RHKR
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 HEADER 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 these instructions 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.

Accessory Pack Contents:		
P/N	Qty.	Description
556R22	2	Band Clamp, 2.5" x 1.25" Wide, SS Torca
556R26	2	Coupler 2.5" SS Torca
505R92	4	M10 x 1.5 x 90mm Flange Bolt
199R11404	1	Instruction Sheet
599R94	2	Decal - Blackheart 4" x 2"

Parts List:	
Qty.	Description
1	Left Resonator Assembly
1	Right Resonator Assembly
1	X-Pipe Assembly
1	Left Muffler Assembly
1	Right Muffler Assembly

Tools Required:
3/8 Metric Socket Set
13mm Wrench
6" 3/8 Drive Extension
15mm Deep Socket
24" Pry Bar
Sawzall (optional)
WD-40® or Equivalent

Removing the OE Exhaust:

1. Disconnect the negative cable from the vehicle battery.
2. Lift the vehicle and secure on jack stands.
3. Support both left and right mufflers
4. Spray the O.E muffler hanger isolators with WD-40®. Remove the rubber isolators from the muffler assemblies. Use a pry bar to help push the isolator off the hanger rod (**Figure 1**).

NOTE: Cutting the factory exhaust at the location shown in **Figure 1** will simplify the removal process, but is not necessary.

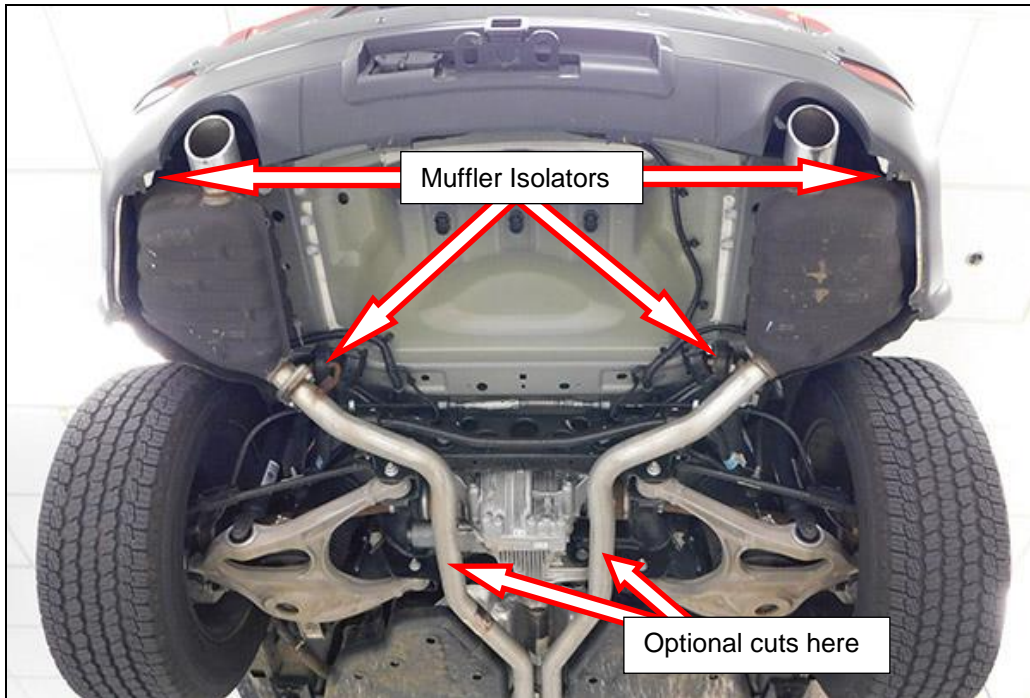


Figure 1

5. Support the resonator assembly. Remove the (x4) spring nuts from the connections at the resonator inlet. Remove the (x2) 13mm bolts at each resonator isolator assembly on the left and right side of the resonator (**Figure 2**).
6. Carefully remove the resonator assembly from the vehicle. A second person will be necessary if the assembly is removed as one piece.

NOTE: Do not damage the seal ring on the catalyst down pipes when removing the Resonator assembly. If damaged, replace the seal ring with new parts to prevent a possible exhaust leak with the new exhaust system.

7. Remove the isolators from the resonator assembly and reinstall on to the vehicle in the same location as they were removed.

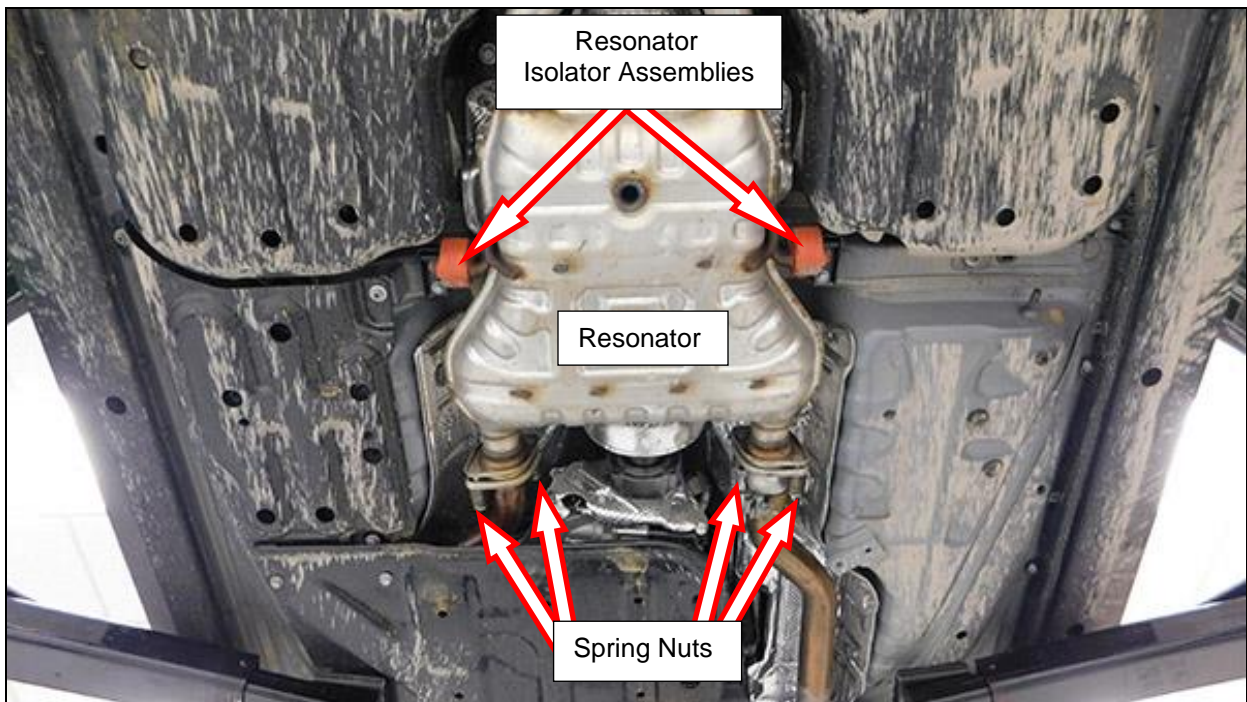


Figure 2

Installing the Blackheart Cat-Back Exhaust:

1. Install the Blackheart left and right resonator hanger rod into the resonator isolator. Install the provided M10 x 90mm flange bolt into the resonator flanges and through the O.E flanges on the down pipes. Install the spring nuts and tighten the nut until it bottoms on the shoulder of the bolt (**Figure 3**). Do not over tighten the nut as damage to the threads will result.

IMPORTANT: Support the resonator assembly to prevent damage to the seal rings on the O.E down pipes.

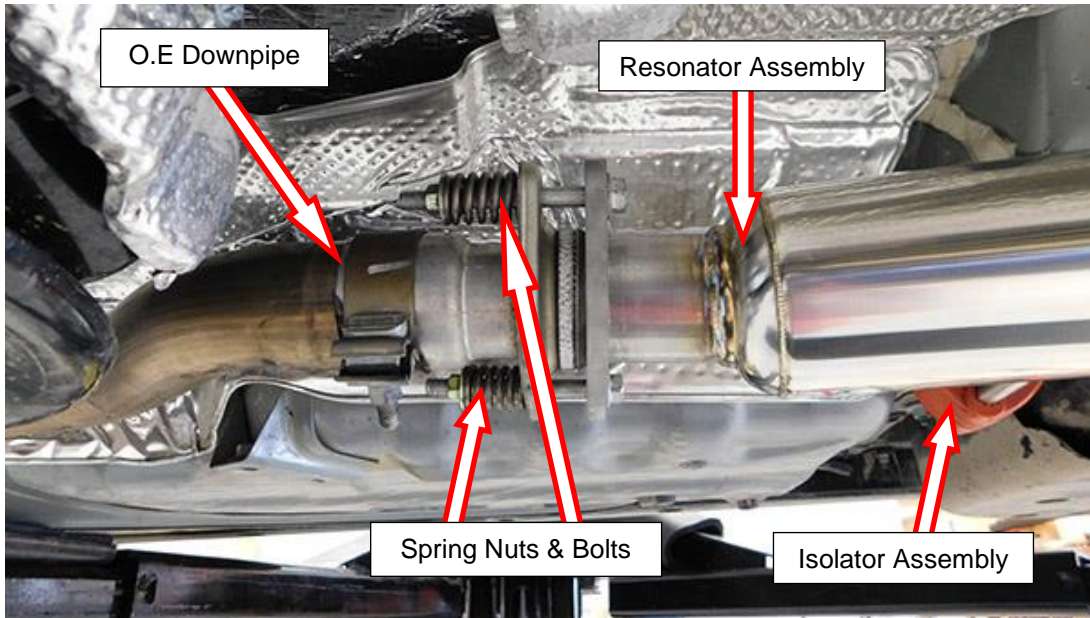


Figure 3

2. Install the supplied 2.5" coupler on to the outlet of the resonator assemblies with the bolts to the inside and the nuts facing down (**Figure 4**).

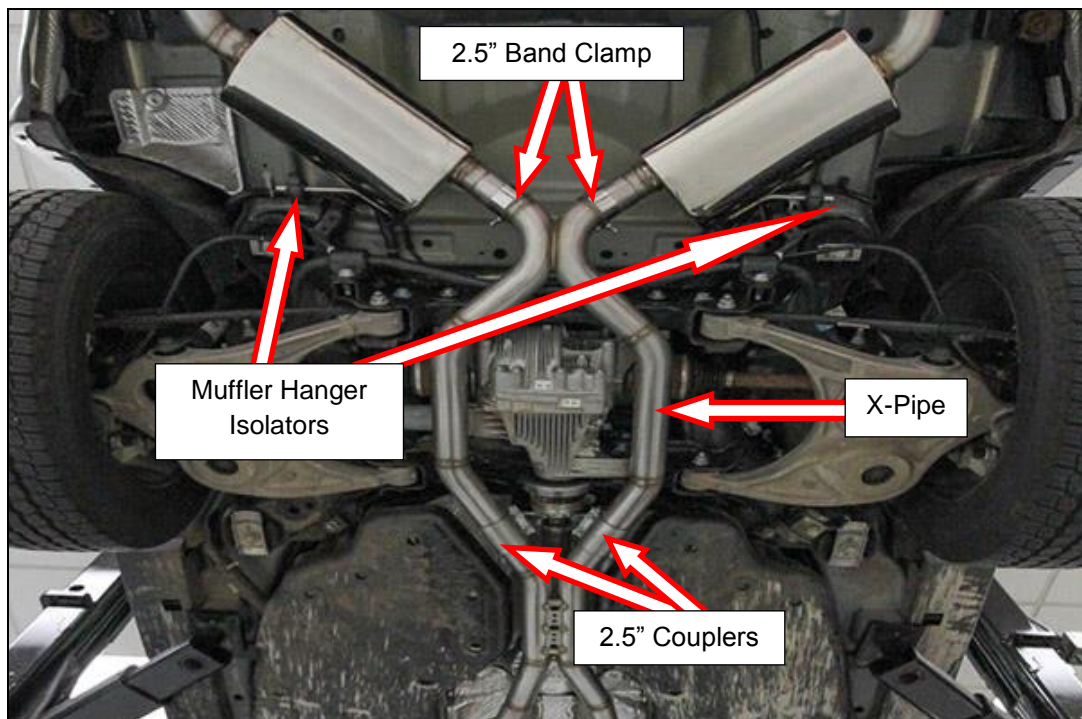


Figure 4

3. Install the X-pipe to the resonator outlet pipes and slide the couplers on to the X-pipe inlet pipes. Align the couplers for a 50/50 split between the resonator pipes and the X-pipe (**Figure 4**). Tighten to allow for adjustment.
4. Install a supplied 2.5" band clamp on to the expanded inlet of the muffler assemblies, align the clamp with the bolts to the inside and the nuts facing down (**Figure 4**). Support the X-pipe while the mufflers are installed.
5. Install the Right muffler assembly on to the X-pipe. Rotate the muffler into position and install the isolator bushing on to the muffler hanger rod. Tighten the clamp to allow for adjustment.
6. Install the Left muffler assembly on to the X-pipe. Rotate the muffler into position and install the isolator bushing on to the muffler hanger rod. Tighten the clamp to allow for adjustment.
7. Adjust the exhaust for proper clearance and alignment and tighten the clamps
8. Connect the battery, start the engine, and check for leaks.
9. Re-check your work.
10. Remove the jack stands and lower the vehicle.
11. After 150 miles, re-check and tighten all bolts and clamps.

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