



**2006-2015 Mazda Miata 2.0L
P/N BH10304 - Cat-Back Exhaust System w/ 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 HEADER exhaust system.

BEFORE STARTING:

Your vehicle must be raised a minimum of 18 inches. A floor hoist is ideal and recommended. 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.**

Cutting the Factory exhaust will be necessary for installation of the Blackheart BH10304 Cat-Back exhaust system

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:

P/N	Qty.	Description
505R20	2	M10 x 30mm Flange Bolt
539R25	2	M10 Flange Nut
556R22	3	63.5mm Band Clamps
508R24	1	Gasket
599R94	2	Decal, BlackHeart 4" x 2"

Parts List:	
1	Muffler Assembly
2	Tip Assemblies
1	Mid Pipe

Tool List:	
	Metric Socket Set
	Masking Tape
	Reciprocating Saw
	15mm Wrench
	Rotary File or Deburr Tool
	WD-40® or equivalent

Check the hardware package. If anything is missing, please contact Technical Service at 1-866-464-6553 or 270-781-974

INSTALLATION:

1. Disconnect the negative cable from the vehicle battery.
2. Lift the vehicle and secure on jack stands.
3. From under the vehicle, loosen the (x2) bolts at the flanged connection point before the muffler section.
4. Spray the rubber isolators on the muffler hanger rods liberally with WD-40® or equivalent spray lube.
5. Remove the OE muffler section by sliding the isolator off of the (x4) rubber isolation mounts on the car. Leaving the isolator on the muffler hanger rod for now.
6. Remove crush gasket from the flange remaining on the vehicle.
7. Measure back 4 inches from the rearward edge of the center exhaust hanger bracket just after the catalytic converter. Make a mark with a paint pen or marker (**Figure 1**).
8. Wrap masking tape around the pipe at edge of the mark keeping the tape as straight as possible (**Figure 2**).
9. Support the resonator. Cut the pipe at the rearward edge of the tape using the edge of the tape as a straight edge. Remove the tape after the cut has been made and deburr the edge of the tube inside and out.

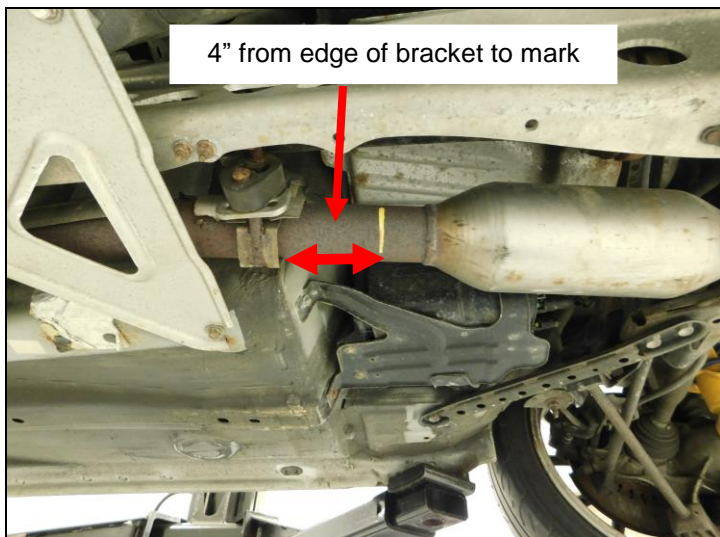


Figure 1



Figure 2

10. Install the 63.5mm band clamp on to the Blackheart mid pipe. Install the mid pipe on to the O.E.M exhaust pipe where the cut was made. Rotate the mid pipe into the correct position and tighten the clamp to allow for adjustment (**Figure 3**).



Figure 3

11. Transfer the isolators from the factory muffler to the Blackheart muffler hanger rods.
12. Place the Blackheart muffler into the vehicle one side at a time and slide the isolators onto the vehicle hanger rods. Spray the isolators again with WD-40® if necessary.
13. Install the supplied flange gasket between the vehicle exhaust and the Blackheart muffler flange. Install the provided M10 x 30mm bolts and nuts. Tighten the hardware to allow for adjustment.
14. Align the Blackheart Axle-Back Exhaust System to the desired position and tighten the (x2) bolts at the muffler flange.
15. Install the provided 63.5mm band clamps over the tailpipes on each side of the muffler.
16. Install the provided tip assembly on to each tailpipe.
17. Slide the band clamp on to the tip assembly. Align the clamp at the edge of the tip with the bolt at the top of the pipe and the bolt facing outwards. Tighten the clamp to allow for adjustment of the tip.
18. Align the tip to the desired depth and tighten the clamp.
19. Connect the battery, start the engine, and check for leaks.
20. Re-check your work.
21. Remove the jack stands and lower the vehicle.
22. 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



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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