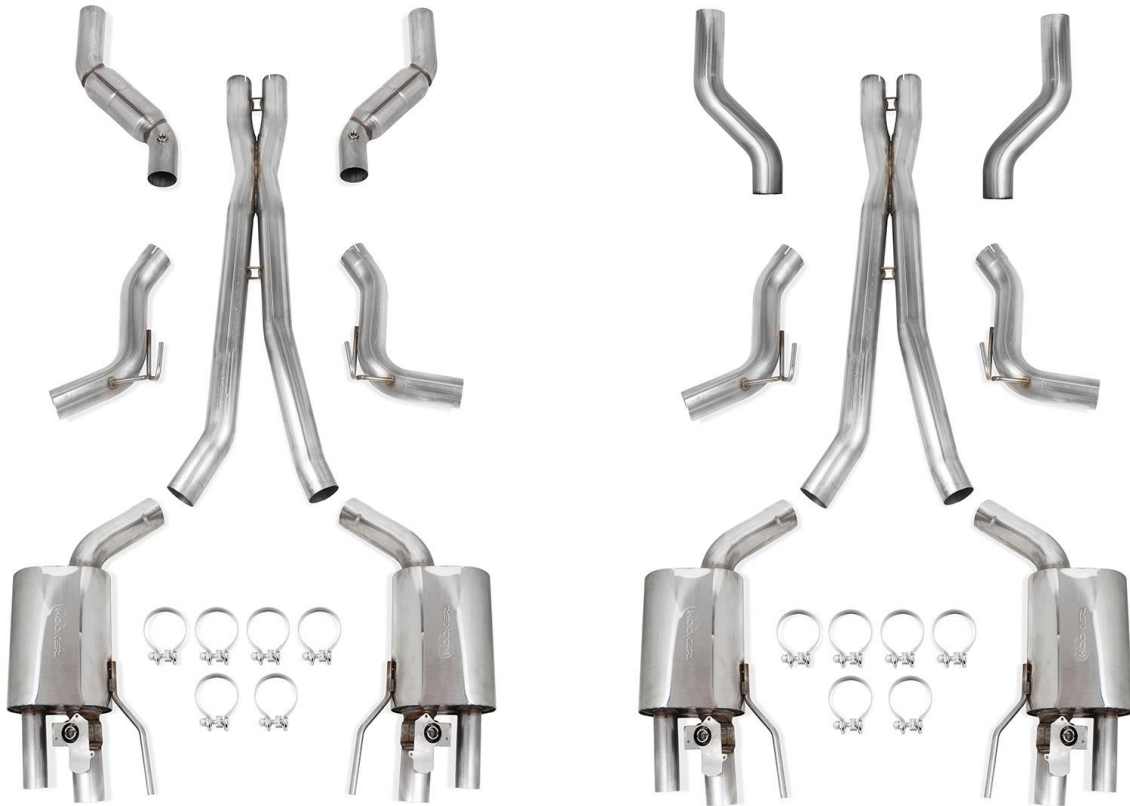




**2015-17 Ford Mustang Shelby GT350/350R V8, 5.2L
BlackHeart Cat-Back Exhaust System, 304SS
70503350-RHKR, 70503351-RHKR, 70503352-RHKR, & 70503353-RHKR
Installation Instructions**



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 36 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.

INCLUDED HARDWARE:

P/N	Qty.	Description
556R23	6	Band Clamp, 3.0" x 1.25" Wide, 4.0 SS Torca
540R34	6	Spacer, Aluminum 1/2" O.D., 9/16" Length
505R90	6	Screw, 10-32 Button Head 1-3/8" Length
539R35	6	Nut, 10-32 Flange Locknut
599R94	2	Decal - Blackheart 4" x 2"

Check the hardware package. If anything is missing, please contact Technical Service at 1-866-464-6553 or 270-781-9741.

INSTALLATION:

1. Disconnect the negative cable from the vehicle battery.
2. If necessary, lift the vehicle and secure on jack stands.
3. Remove rear lower diffuser shield.
4. Un-plug the harness off the electronic valve motor.
5. Loosen the (x2) band clamps securing the OE mid pipes to the front catalytic converter pipes.
6. Remove (x2) 13mm head bolts securing the left and right side front OE muffler isolation mount brackets to the chassis.
NOTE: Set these parts aside as they will be re-used.

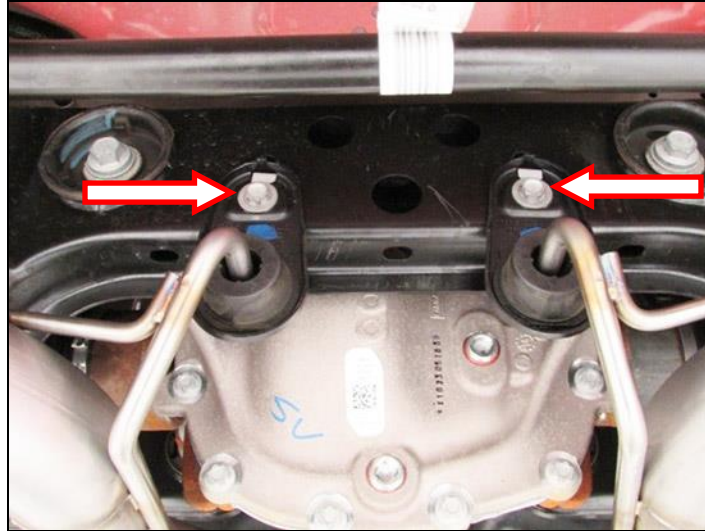


Figure 1

7. Remove (x4) 13mm head bolts securing the left and right side rear OE muffler isolation mount brackets to the chassis.

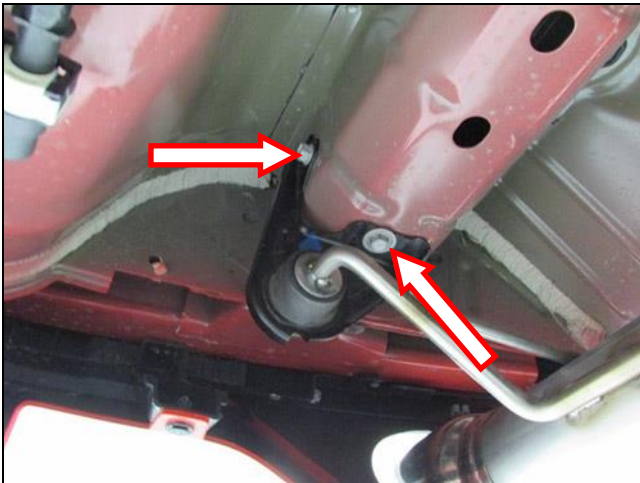


Figure 2

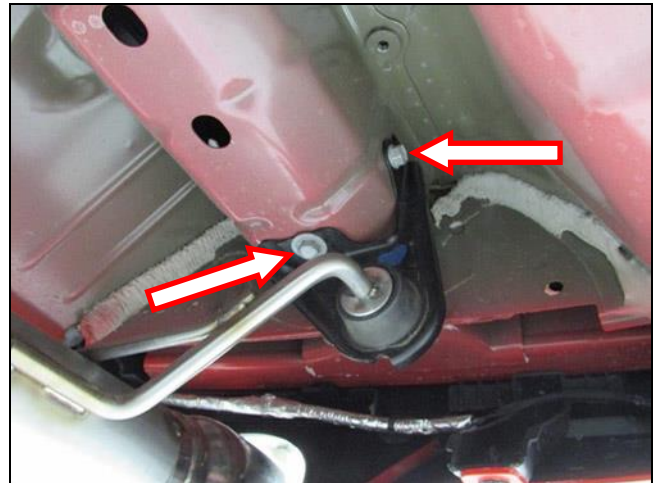


Figure 3

8. Remove the OE mufflers and mid pipe.
9. Remove the (x4) isolation mount brackets off the OE muffler sections and transfer onto the Blackheart Cat-Back Exhaust System. We recommend transferring the isolation mount brackets one a time to ensure they go to the appropriate locations.

FOR EXHAUST KITS w/ VALVES:

10. On a workbench, remove the left and right electronic valve motors off the OE exhaust. Use the (x6) supplied aluminum spacers, 10-32 bolts, and flange nuts to secure the motors onto the BlackHeart valves.

NOTE: Ensure that the valve spring is clocked just like the OE valve when transferring to the BlackHeart valve.

FOR EXHAUST KITS w/ VALVE DELETE:

11. Using (x6) supplied aluminum spacers, 10-32 bolts, and flange nuts, secure the electronic valve motor on the BlackHeart Exhaust Bracket. Ensure that the spring is attached to the bracket as shown. The orientation of the spring is critical. If it is not oriented correctly, a check engine light will emit.



Figure 4

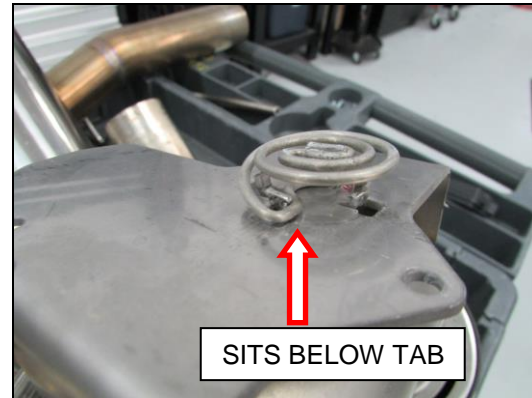


Figure 5



Figure 6



Figure 7

12. Remove left and right side OE catalytic converters and exhaust manifolds. Refer to BlackHeart Long Tube Header installation instruction sheet.
13. Using (x2) supplied Torca coupler clamps included with the long tube headers, install the BlackHeart Front Pipes. Do not tighten at this time.
14. Using (x2) supplied 3.0" band clamps, install the Blackheart X-Pipe. Do not tighten the band clamps.
15. Using (x1) 3.0" supplied band clamp and (x1) original bolt removed from step 6, install the left side Blackheart mid pipe section and tighten the bolt. Do not tighten the band clamp.
16. Using (x1) 3.0" supplied band clamp and (x1) original bolt removed from step 6, install the right side Blackheart mid pipe section and tighten the bolt. Do not tighten the band clamp.
17. Using (x1) 3.0" supplied band clamp and the (x2) original bolts removed from step 7, install the left side Blackheart muffler section and tighten the (x2) 13mm head bolts. Do not tighten the band clamp.
18. Using (x1) 3.0" supplied band clamp and the (x2) original bolts removed from step 7, install the right side Blackheart muffler section and tighten the (x2) 13mm head bolts. Do not tighten the band clamp.
19. Align the BlackHeart Exhaust System and tighten all band clamps.

20. Plug the electronic valve motors back onto the harness.

FOR FRONT PIPES EQUIPPED w/ CATALYTIC CONVERTERS:

21. Install the left and right post O2 sensors onto the BlackHeart front pipes with cats. You may have to un-clip the bracket off the transmission to gain additional length to the harness.

FOR LINK PIPES EQUIPPED w/o CATALYTIC CONVERTERS:

22. Unplug the post O2 sensors off the harness. They will not be re-used.

23. Install the rear lower diffuser shield.

24. Connect the battery, start the engine, and check for leaks.

25. Re-check your work.

26. Remove the jack stands and lower the vehicle.

27. After 150 miles, re-check and tighten all bolts.

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

Recommended: The Blackheart long tube headers WILL emit a check engine light. We recommend using a tuner to turn off the CEL and for optimum performance.

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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