



## 1987-1995 JEEP WRANGLER 3" ENGINE SWAP EXHAUST SYSTEM BH13226

### Installation Instructions



Thank you for choosing to use Hooker Blackheart products on your 1987-1995 Jeep Wrangler engine swap project. This exhaust system is part of the most comprehensively designed engine swap systems available for installing a GM LS, or LT engine, or Chrysler Gen 3 Hemi engine in to this vehicle application. It has been specifically designed for installation with stock-type rear suspension systems (bolt-on lift kits are compatible) and will provide direct fitment to the Hooker Blackheart Y-pipes and headers that are also part of these swap systems. As-packaged, this system may be installed on Wranglers without a body lift, or those with a 1-inch body lift. The rear suspension track bar will need to be deleted on no-body-lift installations.

### **PRE-INSTALLATION CONSIDERATIONS:**

Check that the hardware package includes the following:

BH13226 Hardware	
1	3" Coupler Clamp
2	3" Band Clamps

If any listed hardware is missing, please contact Technical Service at: 1-866-464-6553 or 270-781-97

**IMPORTANT!** Position and support your vehicle on a suitable surface. **USE CAUTION AND WORK ONLY ON A LEVEL SURFACE USING JACKS AND JACK STANDS OF SUFFICIENT CAPACITY TO LIFT AND SUPPORT YOUR VEHICLE. NEVER WORK UNDER A VEHICLE SUPPORTED BY A FLOOR OR BUMPER JACK.** Use of a two-post under arm lift or four-post drive-on lift will considerably reduce the time and effort required to complete the installation. **MAKE SURE LIFT LOCKS ARE ENGAGED BEFORE WORKING UNDER THE VEHICLE.**

### **INSTALLATION:**

**NOTES:** This exhaust system is designed to be suspended from the stock front and rear tailpipe hangers/rubber isolators. Replacement of these parts may be needed if they are worn, broken or bent, or missing from your vehicle.

The two inlet pipes included with this exhaust system will enable the system to be connected to related Hooker Blackheart LS/LT/Hemi engine swap Y-pipes and headers with the engine installed in either a stock-like inclination angle (6-6.5 degrees relative to the bottom of the frame rails, or in a belly tucked configuration with a 5 degree of engine inclination angle (requires a 1" body lift). This compatibility only applies to engines that have been installed using Hooker Blackheart Jeep Wrangler YJ engine mounting brackets.

These instructions have been written with the assumption that you have already installed a GM LS or LT, or Chrysler Gen 3 Hemi engine into your vehicle using Hooker Blackheart engine/transmission mounting components and have installed a Hooker Blackheart LS/LT/Hemi Y-pipe and headers onto the engine per their instructions.

1. Raise and support the vehicle.

2. Remove any existing exhaust system components from the vehicle. Remove the rear tailpipe hanger bracket from the inside face of the frame rail, but leave the forward hanger bracket located behind the muffler attached to the body tub.
3. Remove the rear suspension track bar from the vehicle (it will have to remain off for no-body-lift installations).
4. If the system is being installed on a Wrangler with no body lift, proceed to step 5. If the system is being installed on a Wrangler with a 1" body lift, drill two new holes in the stock rear hanger bracket and/or frame rail to allow the hanger bracket to be raised 1" from its stock mounting position on the frame (removing the fuel tank from the vehicle may make it easier to accomplish this task). Remove the hanger bracket from the frame once this modification is made.
5. Place the supplied 3" coupler clamp onto the outlet of your Hooker Blackheart Y-pipe.
6. If you have installed your engine/transmission using a stock-like inclination angle on the stock skid plate, attach the supplied system inlet tube that is slightly **longer** than the other one to the Y-pipe with the coupler clamp (the end of the inlet tube with the shorter straight section goes into the coupler clamp).
7. If you have installed your engine/transmission in a 5 degree belly-tuck configuration, using an aftermarket crossmember and skid plate, attach the supplied system inlet tube that is slightly **shorter** than the other one to the Y-pipe with the coupler clamp (the end of the inlet tube with the shorter straight section goes into the coupler clamp).
8. Place (x1) supplied 3" band clamp onto one of the slip connectors of the supplied muffler and install the muffler onto the outlet end of the previously installed inlet tube.
9. Place the remaining supplied 3" band clamps onto the muffler outlet.
10. Feed the tailpipe over the rear axle from the rear side and insert the inlet end of the tailpipe into the outlet of the muffler. Now, install the hanger bracket onto the rear tailpipe hanger rod and attach the hanger bracket to the frame rail.
11. Engage the tailpipe hanger rods behind the muffler with the factory rubber tailpipe isolators. Lubricating the isolators with penetrating oil will greatly assist with this task.
12. Align the system components for best fitment as you incrementally tighten all the clamps.
13. Re-install the rear suspension track bar, if desired, on 1-inch body-lifted installations.
14. Discard or store the unused supplied inlet tube.

Any questions? Please contact Technical Service: 1-866-464-6553 or 270-781-9741. For online help, please refer to: [www.holley.com](http://www.holley.com).

## **COMPATIBILITY INFORMATION:**

This exhaust system is compatible with Hooker Blackheart GM LS and LT and Chrysler Hemi engine swap Y-pipes and headers in instances where the engine and transmission have been installed using Hooker Blackheart LS/LT/Hemi engine/transmission mounting components; use of other brand/type of engine/transmission mounting components will have a negative effect on this compatibility. The stock 15 and 20 gallon fuel tanks are both compatible for use with this exhaust system. If needed, additional compatible LS/LT/Hemi engine swap components, such as EFI fuel control systems, fuel filters, fuel pumps, plumbing hose/fittings, valve covers and accessory drive brackets can be found at [www.holley.com](http://www.holley.com).

### **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.

**Technical Service: 1-866-464-6553 Phone: 1-270-781-9741**  
**For online help, please refer to the Tech Service section of our website: [www.holley.com](http://www.holley.com)**

© 2020 Hooker Headers, Inc. All rights reserved. Tous Droits Réservés.

199R12015

Date: 11-10-20

Hooker BlackHeart Exhaust  
Limited Lifetime Warranty  
304 Stainless Steel Exhaust Products

Hooker BLACKHEART 304 stainless steel exhaust products are covered by a limited lifetime warranty that covers certain defects in workmanship and materials.

Who is covered?

This warranty covers the original purchaser of Hooker BLACKHEART 304 stainless steel exhaust products in the United States and Canada.

What is covered and for how long?

Holley Performance Products Inc. ("Holley") warrants that Hooker BLACKHEART 304 stainless steel exhaust products will be free from defects in material and workmanship for the life of the product on the original car on which it was installed. Blemishes, marring of appearance, discoloration, internal rust, or surface rust due to weather, road hazards, lack of maintenance, or extremes of heat or cold are not considered defects under this Limited Lifetime Warranty. Holley warrants moving parts such as valves and actuators for three years. All claimed warranty products must have a return goods authorization (RGA) number and shipped to Holley at the buyer's expense. The returned product must be accompanied with a copy of the original purchase receipt and the original purchaser's contact information.

What will Holley do?

If there is a defect in material or workmanship, Holley will choose either to repair the defective part or replace it with a comparable, new part, without charge for the repair or the replacement product.

Purchaser's remedies under this Limited Lifetime Warranty are strictly limited to the repair or replacement of the defective product. You must pay the cost of shipping the product back to Holley and for any labor or other costs, including any additional parts, associated with removing the allegedly defective part and with the installation of the repaired or replacement part.

What is NOT covered?

This warranty does not cover Hooker BLACKHEART stainless steel products that have been installed on any commercial or racing vehicle or that have been damaged due to misuse, abuse, neglect, or accident, such as having been modified or altered; improperly installed, adjusted or repaired; welded; exposed to corrosion, corrosive materials, other contaminants; or used in applications other than those recommended by Hooker on our website ([www.holley.com](http://www.holley.com)).

How do I start the warranty claim process?

To initiate the return process under this Limited Lifetime Warranty, please contact our customer service team immediately at 800-638-0032 and hit customer service option or email at [holleyorders@holley.com](mailto:holleyorders@holley.com) for complete Hooker BLACKHEART product return instructions and to request a Return Goods Authorization (RGA) Number. Please be prepared to return the allegedly defective product to Holley, along with a copy of the original dated purchase receipt. Holley reserves the right to reject a warranty claim if you cannot establish date of purchase. Final warranty determination is at the sole discretion of Holley.

Should I use Header Wraps?

If you choose to use header wraps, you will void your Warranty. Header wraps cause fatigue in the primary tubes and create fractures in the metal.

What other conditions and exclusions apply?

**This warranty does not provide compensation for loss of time, loss of use of vehicle, labor cost, cost of additional parts, shipping, inconvenience or other consequential or incidental damage.** Some states do not allow the exclusion or limitation of incidental or consequential damages, so these limitations or exclusions may not apply to you.

Holley's maximum liability under this Limited Lifetime Warranty shall not exceed the original cost of the product to the consumer. This Limited Warranty gives you specific legal rights and you may also have other rights which vary under state or provincial laws.

**This Limited Warranty is exclusive and in lieu of all others, whether oral or written and whether express or implied. Any implied warranties, including implied warranties of merchantability and fitness for a specific purpose are hereby disclaimed.** Some states do not allow the exclusion or limitation of implied warranties, so these exclusions or limitations may not apply to you.