



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

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.

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.

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.