



# 1987-2006 JEEP WRANGLER GEN 3 HEMI ENGINE SWAP Y-PIPE BH2354 Installation Instructions



Thank you for choosing to use Hooker Blackheart products on your 1987-2006 Jeep Wrangler Gen 3 Hemi engine swap project. This Y-pipe is part of the most comprehensively designed engine swap system available for installing a Chrysler Gen 3 Hemi engine into a Jeep YJ, or TJ/LJ application. It has been specifically designed to connect directly to the Hooker Blackheart headers and exhaust systems that are also part of this swap system. This Y-pipe is designed to be used on Jeep Wrangler vehicles that are built/assembled for off-road/racing use only. Hemi swapped Jeep Wrangler vehicles that are built/assembled for street use should be equipped with factory exhaust manifolds and a Y-pipe containing catalytic converters that are approved for use in this engine swap application.

## **PRE-INSTALLATION CONSIDERATIONS:**

Check that the hardware package includes the following:

BH2354 Hardware	
1	2.5" band clamp

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 Y-pipe is designed specifically for use with the stock Gen 3 Hemi truck oil pan.

This Y-pipe will accommodate installation in both a stock inclination angle drivetrain configuration and a belly-tuck drivetrain installation without encountering interference with the vehicle frame or body tub floor.

**These instructions have been written under the assumption that you have already installed a Gen 3 Hemi engine and 545RFE transmission into your vehicle, on the stock skid plate, using Hooker Blackheart engine and transmission mounting components and have also installed Hooker Blackheart Jeep Wrangler Hemi engine swap headers onto the engine per their instructions.**

1. Raise and support the vehicle.
2. Loosen the bolts attaching the headers to the cylinder heads if they have been fully tightened already to allow slight movement of both header assemblies.
3. Place the supplied 2.5" band clamp over the Y-pipe slip connector and then insert the supplied short driver's side Y-pipe leg into the slip connector.
4. Lift the Y-pipe assembly up and position its V-band flanges against the mating V-band flanges of the Hooker Blackheart Gen 3 Hemi headers.

5. Install the two 2.5" V-band clamps (supplied with the Hooker Blackheart Gen 3 Hemi headers) over and onto the V-band flange connections (use a helper if needed to perform this task). Tighten the nuts on the clamps alternately, until all the slack has been removed from the V-band connections, but still allow slight rotational movement in each of them.
6. Fully tighten all the header bolts.
7. If you are installing a Hooker Blackheart Jeep Wrangler YJ, or TJ/LJ engine swap exhaust system, continue on to the instructions contained within their packaging. If you are building your own exhaust system to connect to this Y-pipe, then tighten the V-band clamps after ensuring that suitable clearance is provided between the Y-pipe collector and the right side frame rail, and also between the Y-pipe collector and the transmission case.
8. Finally, tighten the band clamp on the Y-pipe slip connector under the engine oil pan.

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 Y-pipe is compatible with the Hooker Blackheart Gen 3 Hemi engine swap headers and exhaust systems in instances where the engine and transmission have been installed using Hooker Blackheart Gen 3 Hemi swap mounting components. Use of other brand/type of engine and/or transmission mounting components may have a negative effect on this compatibility. If needed, additional compatible Gen 3 Hemi engine swap components, such as EFI fuel control systems, fuel filters, fuel pumps and plumbing hose/fittings 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)**

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