



## 1987-2006 JEEP WRANGLER LS or LT ENGINE SWAP Y-PIPE BH13211 Installation Instructions



Thank you for choosing to use Hooker Blackheart products on your 1987-2006 Jeep Wrangler LS or LT engine swap project. This Y-pipe is part of the most comprehensively designed engine swap system available for installing a GM LS, or LT engine in to this vehicle application. It has been specifically designed to connect directly to the Hooker Blackheart headers and exhaust system 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. LS/LT 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:

BH13211 Hardware	
1	2.5" Band Clamp

If any listed hardware is missing, please contact Technical Service at: 1-866-464-6553 or 270-781-9741.

**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 can be used with the stock GM truck oil pan (requires removal of the oil level sensor and plugging of the bung), or the Holley 302-1 or 302-3 LS oil pans. The specific bend geometry of this component allows it to be used with a wide variety of 3-link, 4-link, and radius arm front suspension systems.

This Y-pipe will accommodate installation in both a transfer case drop type drivetrain configuration and a belly-tuck type drivetrain installation without encountering interference with the vehicle firewall or body tub floor.

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

1. Raise and support the vehicle.
2. Remove any existing exhaust system components in the vicinity of the Y-pipe fitment area, if present.
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 LS/LT headers.
5. Install the two 2.5" V-band clamps supplied with the Hooker Blackheart LS/LT headers over and onto the V-band flange connections (use a helper if needed to perform this task). Tighten the clamps incrementally, and fully, while ensuring that 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.
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. Once you are satisfied with your component clearances, tighten the band clamp on the Y-pipe slip connector.

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 LS and LT engine swap headers and exhaust systems in instances where the engine and transmission have been installed using Hooker Blackheart LS/LT swap mounting components; use of other brand/type of engine and/or transmission mounting components will have a negative effect on this compatibility. If needed, additional compatible LS/LT 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.

HOKKER™ 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. HOKKER™ 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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**199R11927**

**Date: 1-29-20**