



1987-2006 JEEP WRANGLER GEN 3 HEMI ENGINE SWAP HEADERS BH2352

Installation Instructions



Thank you for choosing to use Hooker Blackheart products on your 1987-2006 Jeep Wrangler Gen 3 Hemi engine swap project. These headers are part of the most comprehensively designed engine swap system available for installing a Chrysler 3rd-gen Hemi engine into a Jeep YJ, or TJ/LJ application. They have been specifically designed to connect directly to the Hooker Blackheart Y-pipe and exhaust systems that are also part of this swap system. They have been specifically designed to connect directly to the Hooker Blackheart Jeep Wrangler Hemi engine swap Y-pipe. These headers are 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 catalytic converters that are approved for use in this engine swap application.

PRE-INSTALLATION CONSIDERATIONS:

Check that the hardware package includes the following:

BH2352	
Qty.	Description
2	2.5" V-Band Clamps
2	2.5" V-Band Flanges
15	M8 x 1.25 x 25mm Header Bolts

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: These headers are specifically optimized for installation with Hooker Blackheart 1987-1995, or 1997-2006 Jeep Wrangler Gen 3 Hemi swap engine and transmission mounting brackets. Compatibility of these headers with other brands of Hemi swap engine mounting brackets has not been ascertained, but is not expected. The two supplied V-band flanges are provided for users who intend to fabricate their own Y-pipe. The supplied V-band clamps will be used for installing any user-fabricated Y-pipe, or the Hooker Blackheart Y-pipe available for this application.

In 1997-2006 Wrangler installations, the stock steering shaft will need to be relocated towards the outside of the vehicle by about 5/8" at the shaft support bushing to install these headers on an engine that has been swapped into a vehicle without a body lift (the Hooker Blackheart BHS520 relocation bracket can be utilized to accomplish this). The stock steering shaft/support used on 1997-2006 Wranglers will need to be re-engineered by a qualified fabricator to install these headers on an engine that has been swapped into a vehicle with a body lift. Aftermarket steering shaft components are available for this purpose.

The firewall-mounted A/C accumulator used in 1997-2006 Wrangler applications will need to be relocated to install these headers.

These instructions have been written under the assumption that you have already installed an engine/transmission into your vehicle using Hooker Blackheart engine/transmission mounting components.

1. Remove any existing header or manifolds from the engine, which includes removing the engine oil dipstick tube if you are installing a 2009-up 5.7L VVT Hemi truck engine.
2. Remove the front fenders/inner fenders.
3. Remove the stock steering support bracket from the factory frame mounting bracket (1997-2006 Wranglers only).
4. Position a stock Gen 3 Hemi exhaust manifold gasket against the DRIVER's side cylinder head and start/partially thread (x4) supplied 8M header bolts into the lower row of manifold attachment holes in the cylinder head. Now, feed the driver's side header into position from under the vehicle and engage the slotted lower edge of its port flange over and onto the (x4) started header bolts. Install another supplied header bolt into each of the remaining holes in the top of the header flange.
5. Position a stock Gen 3 Hemi exhaust manifold gasket correct for your engine against the PASSENGER's side cylinder head and start/partially thread (x4) supplied 8M header bolts into the lower row of manifold attachment holes in the cylinder head. Now, feed the passenger's side header into position from the top of the vehicle and engage the slotted lower edge of its port flange over and onto the (x4) started header bolts. Install another supplied header bolt into each of the remaining holes in the top of the header flange.
6. Leave the header bolts slightly loose if you are going to be connecting a Hooker Blackheart Gen 3 Hemi swap Y-pipe to your headers. Tighten the bolts fully now if you will be fabricating your own Y-pipe.
7. If you have installed a 2009-up 5.7L VVT Hemi truck engine, you must modify the stock engine oil dipstick/tube to clear the driver's side header assembly or replace the dipstick/tube with one that does.
8. Install the fenders.

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

COMPATIBILITY INFORMATION:

These headers are compatible with the Hooker Blackheart Gen 3 Hemi Y-pipe and Hooker Blackheart 1987-1995, or 1997-2006 Jeep Wrangler 3" engine swap exhaust systems in instances where the engine and transmission have been installed using Hooker Blackheart Gen 3 Hemi engine 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.

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

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