



**2015-18 Subaru WRX-STI 2.5L Turbo**  
**P/N: BH9306 – 1 5/8" Primary 304SS Equal Length Header**  
**P/N: BH9308 – 1 5/8" Primary 304SS Unequal Length Header**  
**Installation Instructions**



Thank you for making HOOKER HEADERS your choice in a high-performance exhaust system. Extensive dyno/track testing has enabled HOOKER to offer the most advanced design in exhaust systems. The installation, while not complex, will take a certain amount of time. However, the additional horsepower and improved performance will more than justify your efforts. Proper installation and maintenance will ensure long life and maximum performance from your HOOKER HEADER exhaust system.

The BH9306 Equal length header and BH9308 Unequal length headers are designed to work with the OEM Up-Pipe. For best results and maximum power gains, use the Hooker Blackheart Up-Pipe P/N **BH9307**.

**WARNING! This product is not street legal and may only be used on Racing Vehicles. Racing Vehicles must be used exclusively for racing or other forms of competition. Racing vehicles must not be registered and must never be used on the street. It is illegal to install this product on a registered vehicle and use it on the street.**

**BEFORE STARTING:**

Your vehicle must be raised a minimum of 18 inches. A floor hoist is ideal and recommended. If no hoist is available, we strongly urge the use of axle stands as a safety measure. **Please read and understand these instructions and disclaimer in their entirety before attempting installation.**

**CAUTION! WORK ONLY ON A LEVEL SURFACE. USE JACKS /JACK STANDS OF SUFFICIENT CAPACITY TO LIFT AND SUPPORT YOUR VEHICLE. NEVER WORK UNDER A VEHICLE SUPPORTED BY A FLOOR OR BUMPER JACK.**

**INCLUDED HARDWARE**

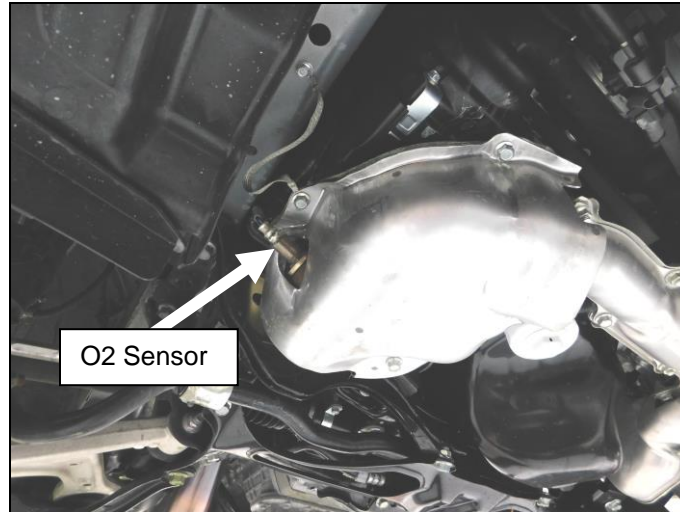
<b>Accessory Pack Contents:</b>		
<b>P/N</b>	<b>Qty.</b>	<b>Description</b>
N/A	2	M10 x 35mm Bolt
539R25	2	M10 Flange Nut
539R28	1	M6 Flange Nut
N/A	1	MLS Flange Gasket
538R6	4	Exhaust Springs
N/A	1	MLS Up-Pipe Gasket
598R80	1	Spring Hook Tool
N/A	1	Anti-Seize Packet
599R94	2	Decal – Blackheart 2" x 4"
199R11601	1	Instruction Sheet

<b>Parts List:</b>	
1	1-5/8" Equal or Unequal Header Assy

<b>Tools Needed:</b>
Metric Socket Set
3/8" Drive Universal
14mm Deep Socket
14mm Wrench
12" Extension
7/8 Wrench or O2 Wrench
WD-40® or equivalent

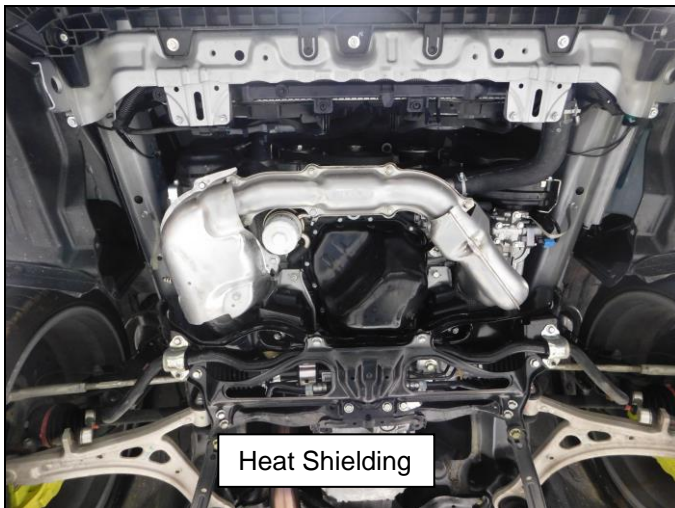
## **REMOVING THE FACTORY EXHAUST:**

1. Disconnect the negative cable from the vehicle battery.
2. Lift the vehicle and secure on jack stands.
3. Remove the plastic service cover from under the vehicle engine.
4. Remove the O2 sensor from the exhaust manifold (Figure 1).

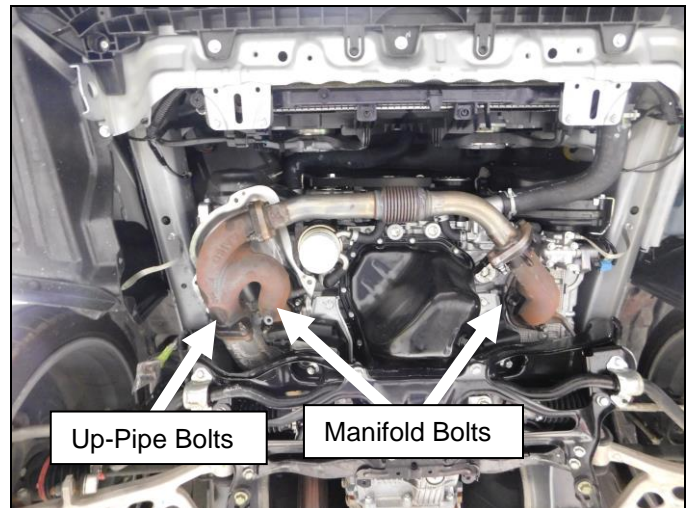


**Figure 1**

5. Remove the heat shielding and ground strap from the OEM manifold assembly (Figures 2 & 3).



**Figure 2**



**Figure 3**

6. Spray the 14mm nuts with a liberal amount of penetrating oil before removal.
7. Remove the (x2) bolts at the up-pipe where it connects to the exhaust manifold (Figure 3).
8. Support the exhaust manifold assembly and remove the (x3) 14mm nuts from **each** exhaust manifold where it bolts to the cylinder head (Figure 3).
9. Remove the exhaust manifold assembly.

## **INSTALLING THE BLACKHEART EQUAL/UNEQUAL LENGTH HEADER:**

### **PRE-ASSEMBLY OF THE HEADER**

**ATTENTION!** Do not attempt to assemble the header sections dry. This will result in the tubes galling together and complicating the installation considerably.

1. Apply a liberal amount of the supplied anti-seize to the inside of the slip joint on the larger section of the header. Also, lightly apply anti-seize to the smaller section of header that will slide into the slip joints.
2. Align the header primary tubes with the flat faces of the flanges facing the same direction as they will be installed on to the cylinder head (**Figure 4**).
3. Slide the smaller (driver's side) primary section into the expanded ends of the larger primary section (passenger's side). Use a slight back and forth twisting motion to help the tubes slide together.
4. Use the supplied spring hook tool to install the provided exhaust springs on to the hooks at the slip joint (**Figure 4**).

**NOTE:** This step can be performed after the header installation. It will make aligning the studs on to the cylinder head less difficult.

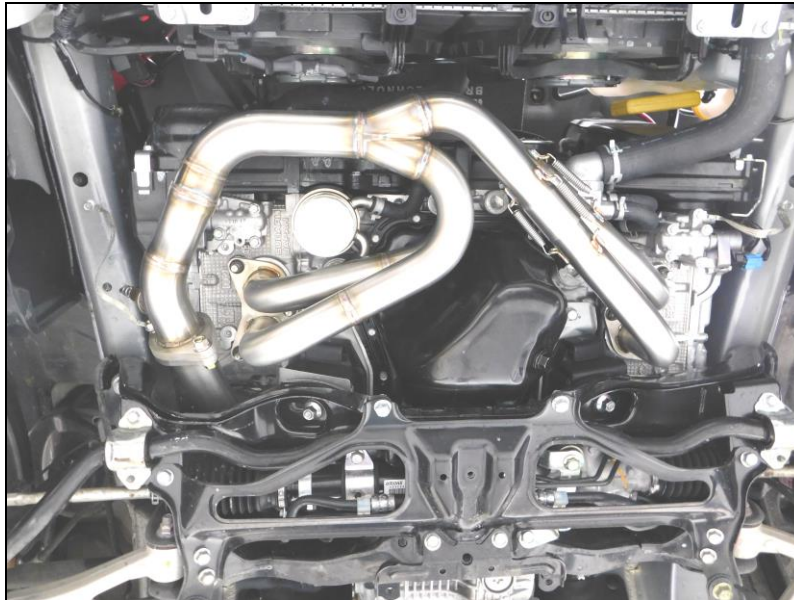


**Figure 4**

### **INSTALLING THE HEADER:**

**NOTE:** Inspect the gaskets. These gaskets are reusable if in good condition. If the gasket is damaged or has been in service for an extended period of time, it is recommended your replace the gasket.

1. Install the gaskets onto the studs at the cylinder head.
2. Install the Blackheart header into the vehicle and over the studs at the cylinder head. Loosely install the nuts by hand. It may be necessary to adjust the header assembly at the slip joints to get the flanges over the studs at the cylinder heads.
3. Install the gasket and (x2) bolts and nuts at the header flange where it connects to the up-pipe. Hand tighten the bolts at this time.
4. Tighten the (x3) nuts at each cylinder head to 28 ft./lbs.
5. Tighten the (x2) bolts and nuts at the up-pipe to 30 ft./lbs.
6. Install the ground strap on to the 6mm stud at the header collector flange. Install and tighten the supplied M6 flange nut.
7. Apply a small amount of anti-seize to the threads of the O2 sensor. Be careful not to get anti-seize on to the O2 sensor head). Install the sensor into the header collector.



**Installed**

8. Recheck your work.
9. Remove the jack stands and lower the vehicle.
10. Connect the battery and start the vehicle to check for leaks.
11. Install the service cover and hardware.
12. After 150 miles, recheck and tighten all bolts and clamps.

**NOTE: It is normal for the Blackheart Exhaust System to emit smoke for the first few minutes during break-in period**

**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.