



**2015-18 Subaru WRX-STI 2.5L Turbo
P/N: BH9307 – 2” 304SS Up-Pipe with Flex Tube
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.

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.**

The Blackheart Up-Pipe PN: BH9307 is designed to work with the OEM exhaust manifold. For best results and maximum power gains, it is recommended to use the Hooker Blackheart PN: **BH9306** Equal length or PN: **BH9308** un-equal length header.

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

Accessory Pack Contents:		
P/N	Qty.	Description
N/A	7	M10 x 35mm Bolt
539R25	7	M10 Flange Nut
N/A	1	MLS Up-Pipe to Turbo Gasket
N/A	1	MLS Up-Pipe to Header Gasket
599R94	2	Decal – Blackheart 2” x 4”
199R11602	1	Instruction Sheet

Parts List:	
1	2” 304SS Up-Pipe w/ Flex Tube

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

REMOVING THE FACTORY HEADER & UP-PIPE:

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**).

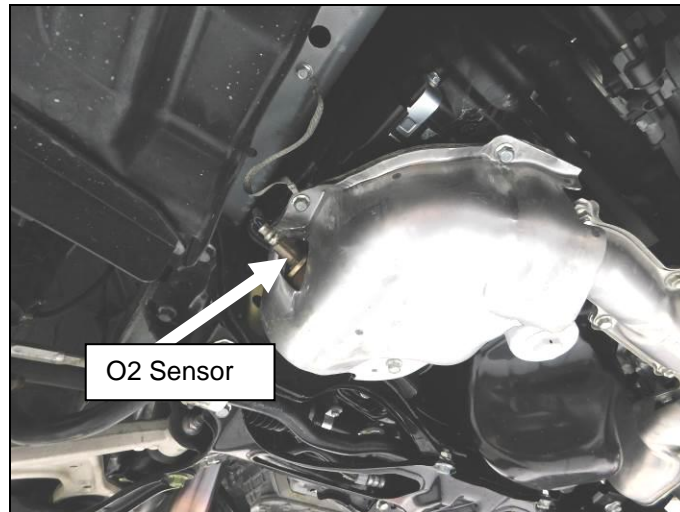


Figure 1

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



Figure 2

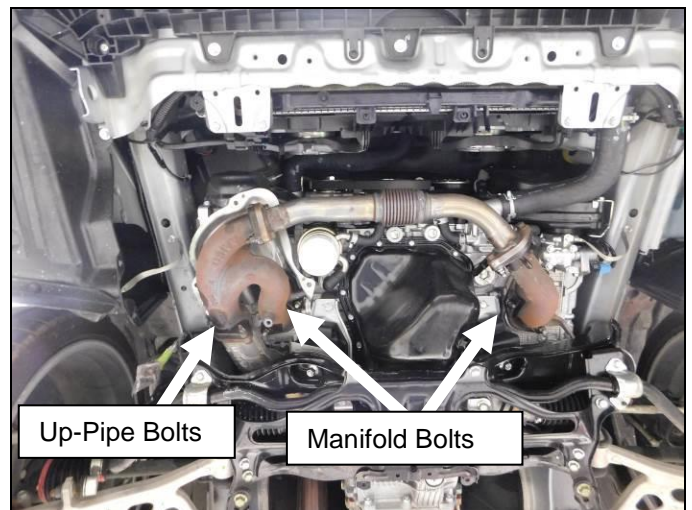


Figure 3

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.
10. Remove the heat shielding from the turbo and down pipe.
11. Remove the down pipe. This is necessary to access the (x2) 14mm nuts under the down pipe flange.
12. Soak the studs on the up-pipe flange at the turbo with penetrating oil prior to loosening the nuts.
13. Remove the (x5) 14mm nuts from the up-pipe flange at the turbo.
14. Remove the OEM up-pipe from the vehicle.

INSTALLING THE BLACKHEART 2" UP-PIPE:

1. 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 gaskets.
2. Install the up-pipe into the vehicle with the 5-bolt flange to the turbo.
3. Place the 3 bolt up pipe gasket between the flange and the turbo. Align the gasket to the correct bolt holes and install the provided M10 x 35mm flange bolts (**Figure 4**).

NOTE: Install the 2 bolts at the turbo outlet flange from the bottom of the flange and the nut on the top as show in **Figure 4**. This will allow the bolts to be removed without removing the down pipe should the up-pipe need to be removed at a later date.



Figure 4

4. Install the OEM Exhaust manifold assembly in the reverse order it was removed or Blackheart header assembly using the Installation instructions provided with the header.
5. Install the 2 bolt gasket at the header to up-pipe flange and install the provided M10 x 35mm bolts and flange nuts (**Figure 5**).
6. Tighten the (x5) bolts at the turbo flange and the (x2) bolts at the header flange.
7. Install the heatshield to the OEM manifold assembly.
8. 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 O2 sensor.
9. Install the ground strap to the exhaust
10. Install the ground strap on to the 6mm stud at the header collector flange, install and tighten the supplied M6 flange nut.
11. 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.
12. Recheck your work.
13. Remove the jack stands and lower the vehicle.
14. Connect the battery and start the vehicle to check for leaks.
15. Install the service cover and hardware.
16. After 150 miles, re-check 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

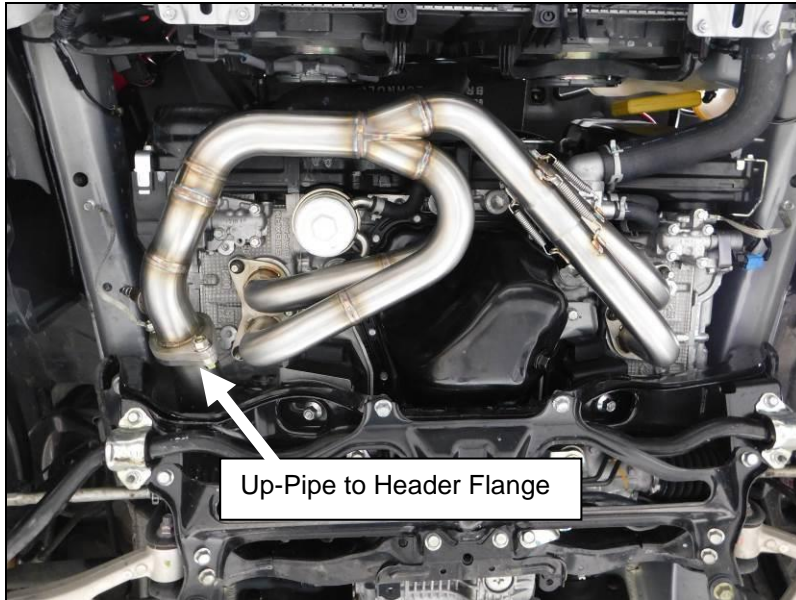


Figure 5