



**2015-18 Subaru WRX-STI 2.5/2.0L Turbo  
P/N: BH9303 - Cat-Back Exhaust System w/ mufflers  
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.

**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:**

Accessory Pack Contents:		
P/N	Qty.	Description
N/A	4	M10 x 35mm Flange Bolt
539R25	4	M10 Flange Nut
N/A	2	M8 x 35mm Flange Bolt
N/A	2	M8 Flange Nut
556R27	1	3" Torca Coupler
508R24	2	Gasket
599R94	2	Decal – Blackheart 2" x 4"
199R11595	1	Instruction Sheet

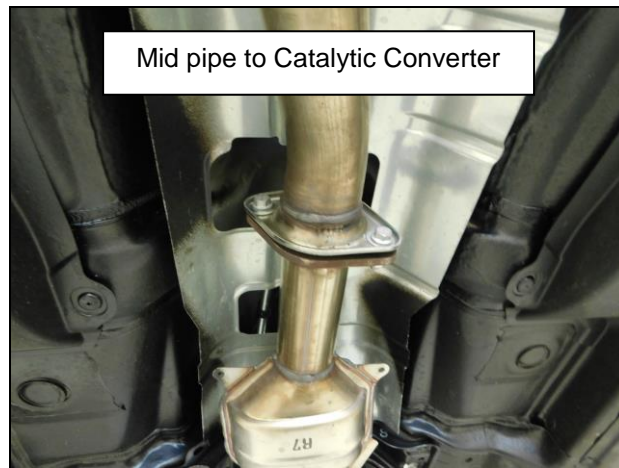
Parts List	
2	Muffler Assembly
1	Mid Pipe 3" Flanged Section
1	Mid Pipe Y-Section

Tools Needed:
15mm Wrench
13mm Wrench
Metric Socket Set
WD-40® or equivalent

## **INSTALLATION:**

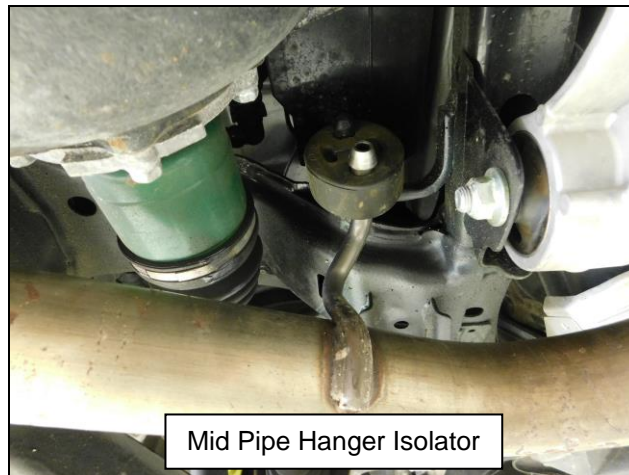
### **REMOVING THE FACTORY EXHAUST:**

1. Disconnect the negative cable from the vehicle battery.
2. Lift the vehicle and secure on jack stands.
3. From under the vehicle, loosen the (x2) bolts at each flanged connection point before the muffler section.
4. Spray the rubber isolators on the muffler and mid pipe hanger rods liberally with WD-40® or equivalent spray lube.
5. Remove the OE muffler section by sliding the isolator off of the (x2) rubber isolation mounts on the car. Leaving the isolator on the muffler hanger rod for now.
6. Remove the (x2) bolts from the flange that connect the mid pipe to the secondary catalytic converter flange (**Figure 1**).



**Figure 1**

7. Remove the exhaust hanger isolator from the mid pipe just before the axle (**Figure 2**).



**Figure 2**

8. Remove the mid pipe from the vehicle.

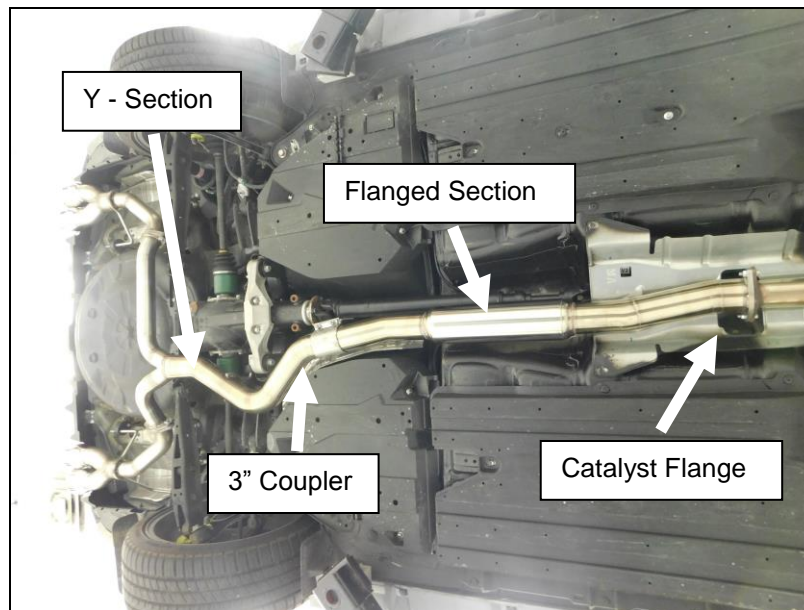
### **INSTALLING THE BLACKHEART CAT-BACK EXHAUST:**

1. Transfer the isolators from the factory mufflers and mid pipe to the Blackheart muffler and mid pipe hanger rods.
2. Install the Blackheart mid pipes 3" single flanged section on to the catalytic converter flange using the supplied M8 x 35mm bolts and flanged nuts (**Figure 3**).

**NOTE:** DO NOT FULLY TIGHTEN THE BOLTS. ONLY TIGHTEN BOLTS TO HOLD THE SECTION IN PLACE.

**Important Note:** Inspect the seal ring for damage and excessive wear at the catalytic converter outlet. The Blackheart mid pipe is designed to seat against the OEM seal ring. If the OEM seal ring is damaged or does not fit tightly inside the Blackheart Mid pipe flange, it should be replaced with the factory Subaru replacement part prior to installing the mid pipe.

3. Install the mid pipes Y-section into the vehicle (**Figure 3**). Slide the isolator on to the vehicles exhaust hanger rod and support the mid pipe.
4. Install the supplied 3" coupler on to the outlet of the previously installed flanged section (**Figure 3**).
5. Align the inlet of the Y-section to the flanged section and slide the coupler on to the pipe with a 50/50 split between the flanged section and the Y-section. Tighten the nuts of the coupler to allow for adjustment (**Figure 3**).



**Figure 3**

6. Place the Blackheart mufflers into the vehicle one side at a time and slide the isolators onto the vehicle hanger rods. Spray the isolators again with W-40® if necessary.
7. Install the supplied flange gasket between the mid pipe flange and the Blackheart muffler flange. Install the provided M10 x 35mm bolts and nuts. Tighten the hardware to allow for adjustment.
8. Align the Blackheart axle-back exhaust system to the desired position and tighten the (x2) bolts at each muffler flange.
9. Tighten the (x2) M8 x 35mm bolts at the catalytic converter flange. Tighten the bolts evenly in stages to prevent the misalignment of the flanges that will affect the overall fitment of the exhaust all the way to the mufflers. The flanges should be even on all sides after tightening the bolts.
10. Connect the battery, start the engine, and check for leaks.
11. Re-check your work.
12. Remove the jack stands and lower the vehicle (if applicable).
13. 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.