



## Installation Instructions

# 817817

## 2018-24 FORD MUSTANG

### GT 5.0L ENGINE

Coupe & Convertible

Instructions for installing X-Pipe assembly #817817 with an existing Flowmaster Axle-back system.

**NOTE:** See page 6 for special instructions regarding installation on convertible models.

### Removal:

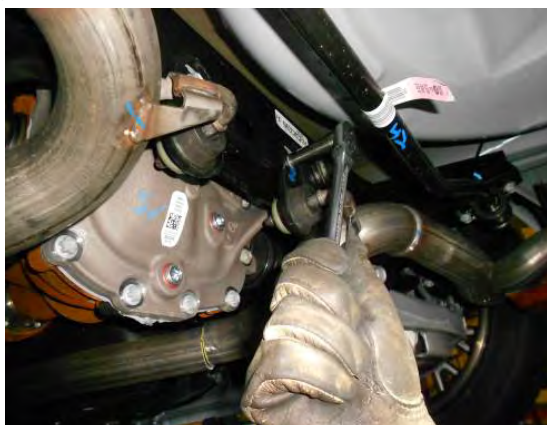
Rev. 9/12/2023

1. Raise the vehicle up on a hoist or rack to working height. If you don't have access to a hoist or rack, raise the vehicle and support securely with jack stands. To ease the removal of the stock system, spray a penetrating lubricant onto the bolts of the two clamp connections just forward of the center resonator as well as the rubber hangers just behind the rear differential and at the rear of the vehicle.



2. Place a stand under the center resonator just forward of the axle-back muffler assemblies. Loosen the clamps at the inlets of the Flowmaster axle-back mufflers.

3. Using a 13mm wrench, loosen the two hangers just behind the rear differential from the cross member and the two hanger mounts at the rear of the vehicle from the frame. Slide the muffler assemblies toward the rear of the vehicle to disengage them from the factory system. Leave them hanging in place for re-assembly onto the Flowmaster X-pipe assembly.



4. Loosen the four nuts at the two band clamp connections at the inlet of the center resonator. Using a screwdriver, pry up the clips on the clamp body to release the clip from the tab on the inlet pipes. Slide the clamp assemblies slightly back to clear the tabs. With the help of an assistant, carefully lower the stand and slide the assembly back to disengage from the inlet pipes.



### Installation:

1. Remove the factory band clamps from the factory exhaust system and place them onto the downpipes behind the catalytic converters. Place the **86480S** X-Pipe assembly into place behind the factory downpipes while supporting the rear of the assembly with a stand. Slide the clamps back to the bump stops on the X-Pipe and tighten both band clamps enough to hold, but still allow for adjustment. Be sure that the X-Pipe assembly is fully forward, and that the embossed Flowmaster in the center case is facing the ground before tightening.



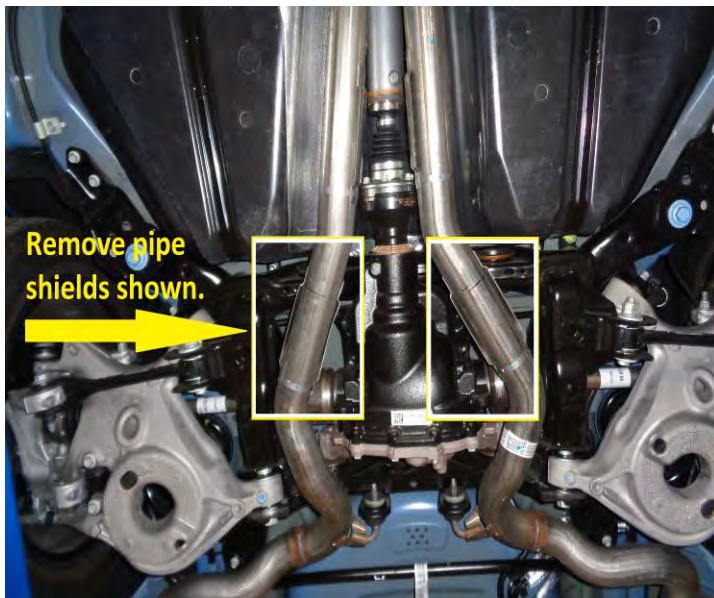
2. Place the inlets of the axle-back muffler assemblies onto the back of the Flowmaster X-Pipe, be sure to slide them fully on and tighten the clamps enough to hold but still allow for adjustment. See steps 4 and 5 on page 5 for final adjustment steps.



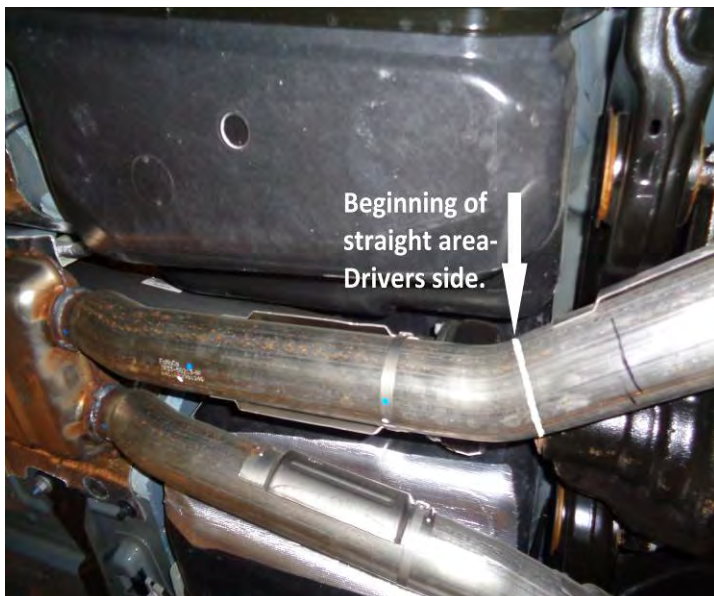
The steps on the following pages are intended for customers replacing the center resonator of their vehicle and retaining the use of the factory Mustang mufflers. If you are using the new Flowmaster X-Pipe along with a Flowmaster or Hurst Axle-back system, please see pages 1 and 2 above.

## Removal:

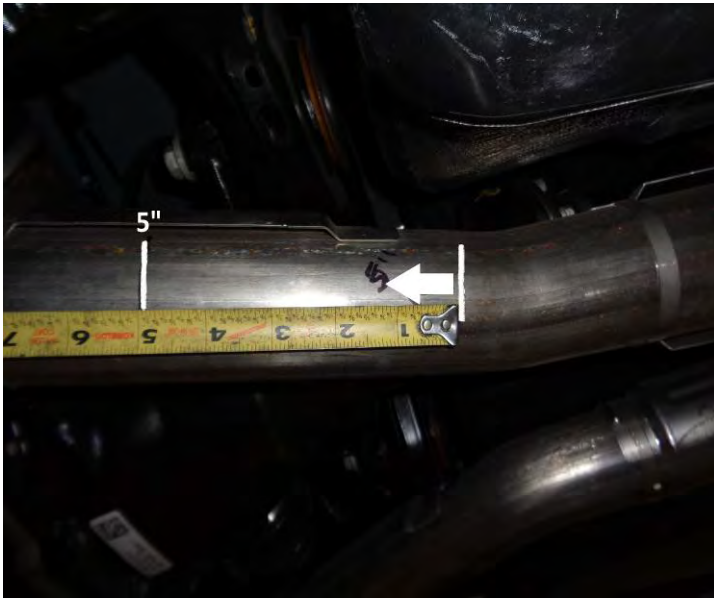
1. Raise the vehicle up on a hoist or rack to working height. If you don't have access to a hoist or rack, raise the vehicle and support securely with jack stands. To ease the removal of the stock system, spray a penetrating lubricant onto the bolts of the two clamp connections just forward of the center resonator.



2. Begin by removing the two pipe heatshields indicated in the first picture above. Cut thru the strap at the rear of the shield, then lift and lower the shield a few times to break the weld at the front of the shield. Remove.



3. Behind the factory center resonator, follow the pipes back just past the second bend of each pipe, make a mark on each pipe where the bend ends and the straight area begins. See above photos.



4. Measure back 5" from the beginning of the straight area marked in the previous step and make a mark on both pipes as shown in the photo at left. Support the exhaust system both in front and behind the area to be cut. Check that the marks are correct, then using a sawsall, cut both pipes at the marks. **Note: Due to the closeness of the pipes to the gas tank, use caution when cutting!** Carefully deburr the end of the muffler inlet pipes where cut with a file or die grinder.

5. Support the center resonator with a stand and loosen the four nuts at the two band clamp connections at the resonator inlet. Using a screwdriver, pry up the clips on the clamp body to release the clip from the tab on the inlet pipes. Slide the clamp assemblies slightly back to clear the tabs. You can now lower the rear of the resonator and slide the assembly to the rear of the vehicle to remove. Lower the resonator from the vehicle and set aside.





## Installation:



1. Slide the supplied **TB809S** adapter pipes onto the end of each outlet of the **86480S** X-pipe assembly. Place a supplied clamp onto the connections and tighten enough to hold.

2. Remove the factory band clamps from the factory exhaust system and place them onto the downpipes behind the catalytic converters. Place the **86341S** X-Pipe assembly into place behind the factory downpipes, support the rear of the assembly with a stand. Slide the clamps back to the bump stops on the X-Pipe and tighten both band clamps enough to hold, but still allow for adjustment. Be sure that the X-Pipe assembly is fully forward, and that the embossed Flowmaster in the center case is facing the ground before tightening.

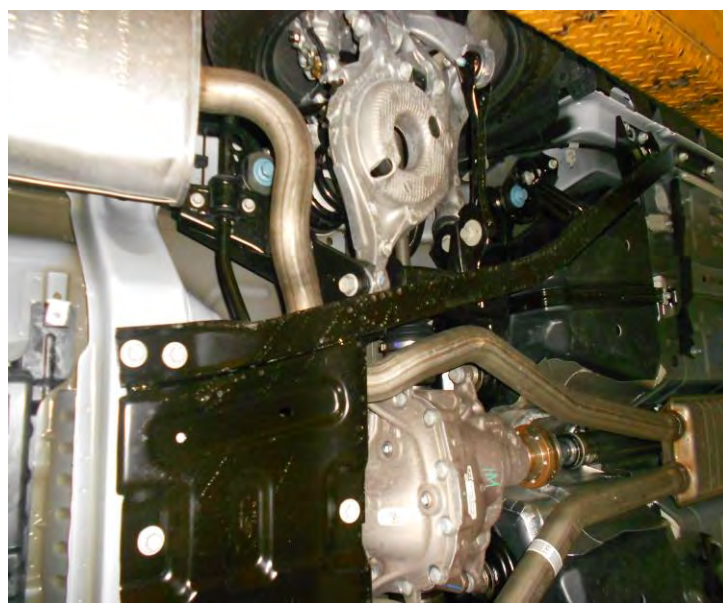
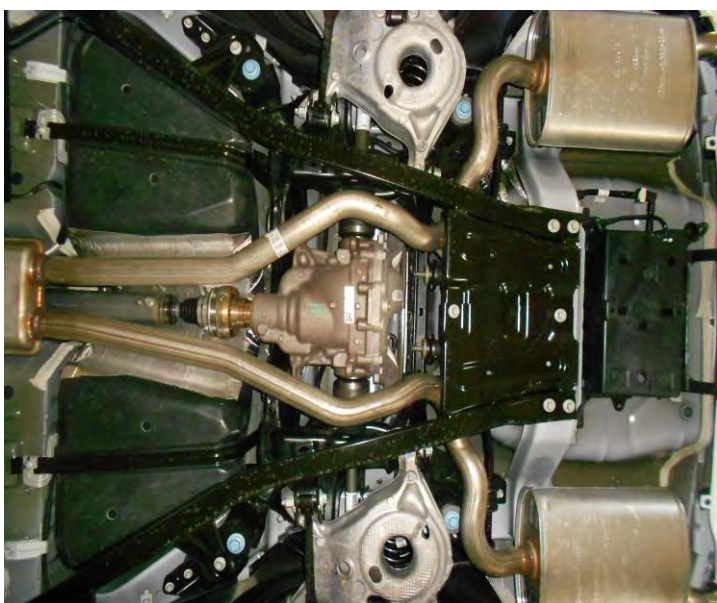


3. Place a supplied clamp over the inlet pipe of the passenger side stock muffler. Slide the muffler toward the rear of the vehicle and place the inlet into the adapter at the back of the X-Pipe assembly. Slide the clamp onto the slip connection and tighten enough to hold in place. Repeat this step on the drivers' side of the vehicle.
4. Adjust and level the X-Pipe and muffler assemblies to provide a satisfactory fit. A minimum of 1/2" clearance around all parts of the system must be maintained; while keeping suspension travel and vibration in mind. After adjustments have been made, you may now securely tighten the clamped connections.

5. For a more secure installation, we highly recommend placing a minimum 1" weld on either side of the inlet slip-fit connections.

PACKING LIST		
Qty.	Description	Part #
1	X-Pipe Assembly	86480S
	<b>PARTS KIT (includes the following)</b>	<b>PK805</b>
2	• Adapter Pipes	TB809S
4	• 2-1/2" Clamp	MC250BS

**NOTE: Additional Instructions for convertibles.**



1. The body braces shown in the photos above will need to be removed in order to remove the factory system and install the Flowmaster system. Starting at the front of the right side (passenger) brace, loosen the front bolt and then work your way to the rear of the vehicle removing the next eight bolts, lower the brace from the vehicle. Repeat this step on the left side of the vehicle with the six bolts on that side.
2. After installing the exhaust system components, reinstall the body braces starting with the left (Drivers) side of the vehicle, install the six bolts and tighten securely. Repeat this step on the right side of the vehicle with the eight bolts on that side, tighten securely.



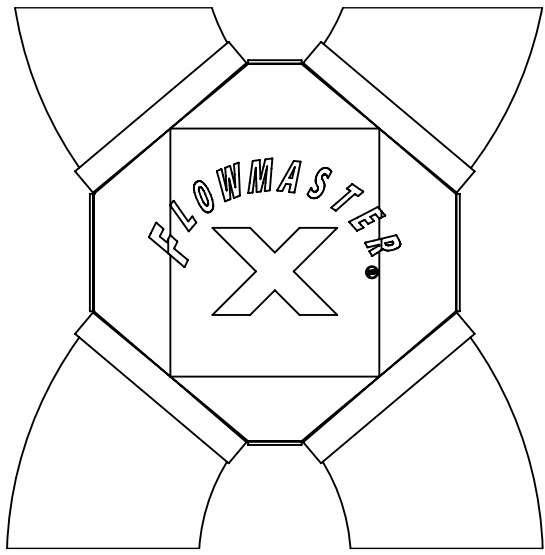
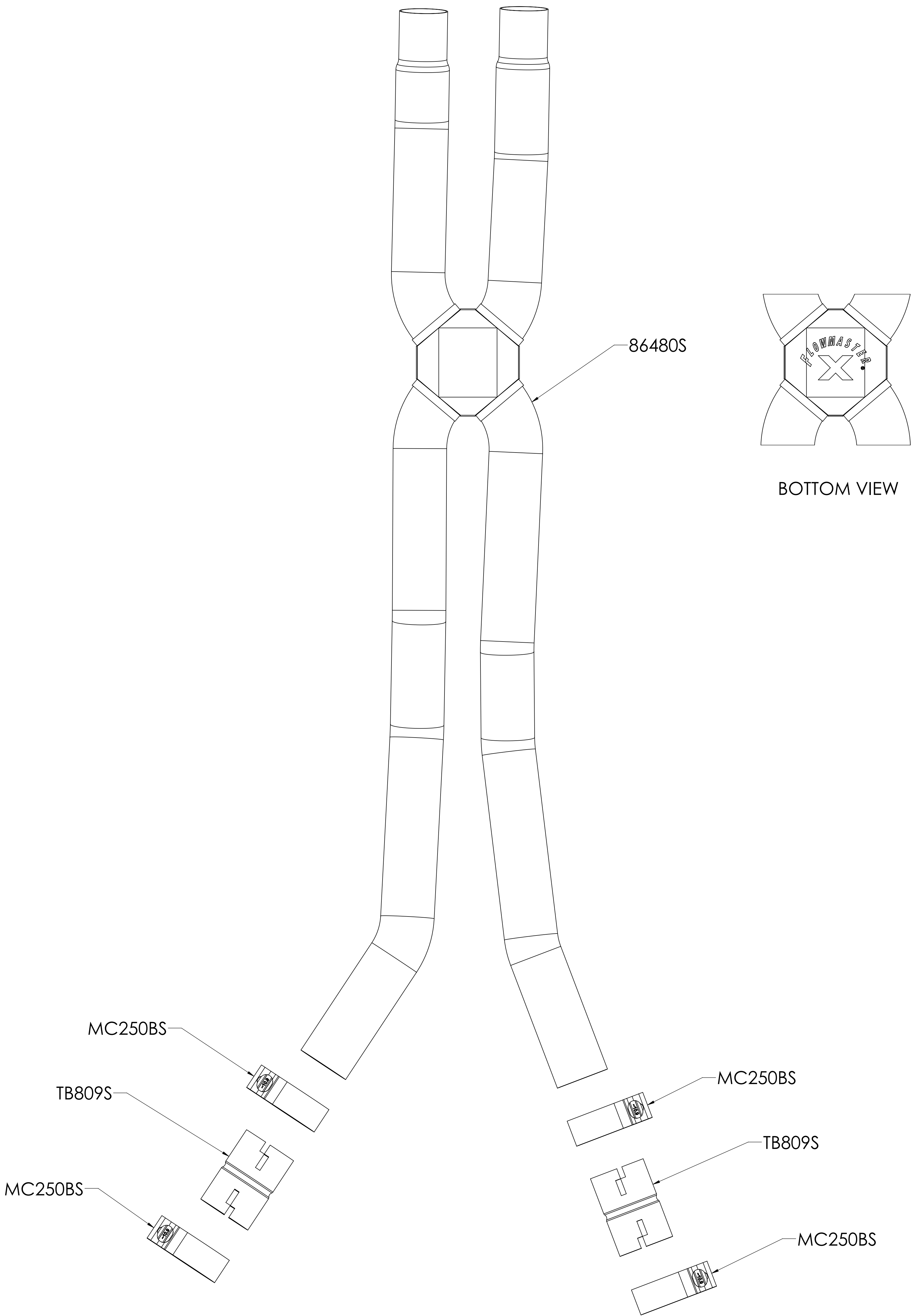
Installation Diagram

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BOTTOM VIEW