

HARLEY DAVIDSON 1986 – 2003 “Rigid-Mount” EVO SPORTSTER 2-1 EXHAUST Installation Instructions MC-CN-HDS8603

Overview

To start, locate the two-hole tab on bottom of frame from right side under transmission, near swing arm pivot. It is where most aftermarket exhausts, as well as the stock muffler, would normally mount their support bars. The main difference is our support bar is directed forward whereas most others are directed rearwards.



In the picture above, you see the full system assembled on a stand. The bracket is visible behind the muffler. Shown in the bracket is the mounting bolts and spacers that will be attached to the frame tab. Also notice the “ball flange” on the inlet to header where it will attach to the cylinder head. These will use your existing 2-bolt flanges and spring clips (or you can purchase replacements) to secure the exhaust to the cylinder. We recommend inspecting and replacing, if necessary, the gasket inside the cylinder head to minimize exhaust leaks. Also, if your existing flange springs clips are weak and/or rusted, you might want to replace these as well.

Recommended Installation Steps

1. Remove the existing exhaust. The exact process can vary depending on whether you are removing an OEM or aftermarket exhaust. Save the 2-bolt flange and spring clip to use on the new exhaust.



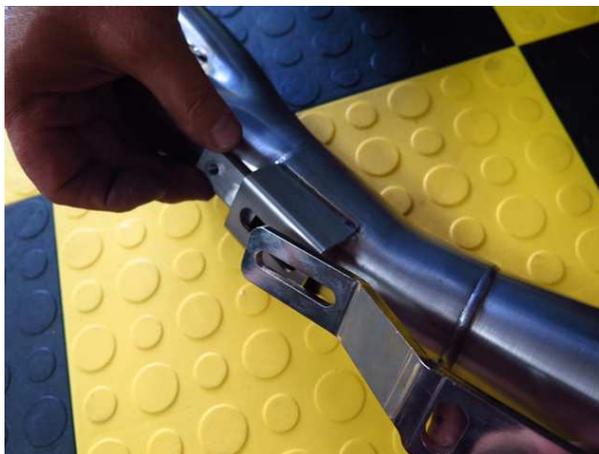
2. Check the gasket inside the cylinder head and also condition of the spring clips, replace if needed. Transfer the cylinder head spring clips and flanges to the new exhaust. Make sure the indentation in the flange (for the spring clip to sit in) is facing in the proper direction



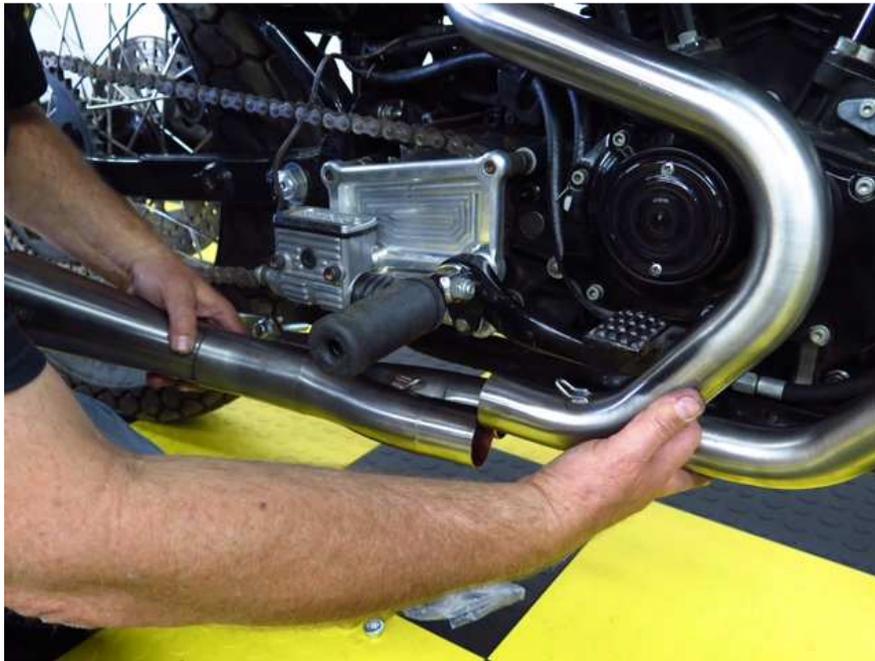
3. Begin by loosely installing the headers in the cylinder head and start the flange bolts, *don't tighten them yet.*



4. Install support bar racket onto the tab mounted on the exhaust. Leave it loose so you have plenty of adjustment range.



- Slide the collector into place on the header tubes, *don't install springs yet*. (We normally recommend doing a complete dry fit first, then come back and install collector sealant).



- At this point you can decide whether you wish to use the provided sealant to help prevent collector leaks. Apply a light film to the inside of the collector inlets and to the outside of the header primary tubes. Let it dry just a little then slide them back together, cleaning up as you go.



- Next, insert align the support bracket to the frame tab located under motor on frame. Use the provided hardware. The provided spacers go between the frame tab and the muffler support bracket, *hand tighten only at this time.*



- Gradually* begin tightening up the entire system to reduce binding. Wiggling it here and there helps it settle in as you tighten it.

NOTE: At this point, the distance between the spring tab on the collector, and the spring tabs on the headers, should be approximately 4" from tip-to-tip.



- Now attach the springs to the collector. If you don't have a spring puller there are several ways to pull and attach them. *If you find you are having to stretch the springs excessively, you probably don't have the collector far enough on the header. You should only have to stretch the springs a little over an inch.*
- VERY IMPORTANT! BEFORE STARTING:** Always clean a new stainless steel exhaust by wiping down carefully with a clean cloth and acetone or rubbing alcohol. Any oil, grease, even oil skin fingerprints will permanently etch into your new exhaust. If you don't clean it, you will permanently stain your new exhaust!