KHROME WERKS

# INSTALLATION INSTRUCTIONS

"Ghost Pipe" EXHAUST SYSTEM
For 2017-up FLHT, FLHX, FLHR, FLTR
Mfg. p/n 200790, 200795
(See pkg. label for Dist. p/n)

**ATTENTION INSTALLER** (if other than owner):
Please forward this instruction sheet and the warranty card to the purchaser of this product. These instructions also contain valuable information necessary to the end user.

**INTRODUCTION:**
These instructions describe the procedure for properly installing *KHROME WERKS*® "Sidekick" Exhaust System on 2009-up FLHT, FLHR, FLHX or FLTR models. Review instructions carefully before beginning, as they contain important information. Please retain for future reference.

Particularly important information is distinguished in these instructions by the following notations:

**NOTE:** A NOTE provides key information to make procedures easier or clearer.

CAUTION: A CAUTION indicates special procedures that must be followed to avoid damage to the motorcycle or accessories.

WARNING: A WARNING indicates special procedures that must be followed to avoid injury or death to a motorcycle operator or person inspecting or repairing the motorcycle.

**All Models:**
**NOTE:** This system may not be compatible with suspension stabilizers.

WARNING: Ground and cornering clearance may be reduced. Clearance will be reduced when bikes are fitted with shorter shocks.

**TOOLS REQUIRED:**

| | |
|---|---|
| 1 – 3/8"drive ratchet | 1 – 5/16" nut driver or flat screwdriver |
| 1 – 3/8" drive ½" socket | 1 – 14mm box wrench or socket |
| 1 – 3/16" Allen® wrench | 1 – 15mm box wrench or socket |

**PROCEDURE:**

1. The "Sidekick" Exhaust system is a non - functional muffler and crossover designed to be used with a single sided, right hand only exhaust system. See manufacturers instructions for the installation of the right hand exhaust system as it is not covered in this document.

2. Remove saddlebags. If left hand muffler and crossover have already been removed, proceed to **step 6**.

3. Remove and save the 5/16" bolts and washers from rear brackets on left muffler. Loosen muffler clamp and slide old muffler off crossover pipe. Discard old muffler and clamp.

4. Using a ½" wrench or socket remove the 5/16 flange bolt and mount bracket securing the OEM crossover. Loosen the crossover clamp and remove OEM crossover. Discard old crossover.

5. Remove (2) ¼-20 x 11/16" Allen® screws holding crossover mount bracket. Save screws for later use. Remove crossover mount bracket and discard.

6. Position the "Sidekick" crossover weldment under the oil pan and install the two saved ¼-20 x 11/16" socket Allen® saved from **step 5** through the crossover mounting tab and into the back of the transmission case. Torque the screw to 90-120 in-lbs.

7. Loosely install the supplied 1-3/4 muffler clamp over the slots of the "Sidekick" muffler. The clamp opening should be inboard with the nut facing down.

8. Slide "Sidekick" muffler onto crossover pipe. The rear bracket on the mufflers should be positioned halfway between the rubber mounts on the saddlebag/muffler supports and rotated on the header pipes so they are evenly aligned in the rubber mount slot when viewed from the rear. Install 5/16"-18 bolts and washers removed in **step 3** and tighten. Do not tighten the muffler clamps until the heatshields are installed.

9. Insert worm gear clamps into slots on the back side of the heat shields. Both clamps screws should be positioned so the screw heads can be accessed from the bottom. **Tip:** Insert clamps evenly into the slots and bend the ends outward to ease installation over header pipes. Lube clamp threads if shields are removed and reinstalled.

10. Install heat shield. Connect and loosely tighten all worm gear clamps. Align shield on crossover for best fit. Position screw heads for easiest access and tighten with a 5/16" nut driver or screwdriver.

CAUTION: Make sure no part of the exhaust system or shields contacts the frame or any component that is connected to the frame (except for the rear muffler brackets).

11. Position and orient the muffler clamps in the original position, making sure the clamps cover the rear edge of the clamping slots. Align and tighten the muffler crossover clamps to 38-43 ft-lbs. Make sure crossover clamp does not contact frame.

CAUTION: Muffler clamps must be tight on the crossover pipe or damage may occur to either the crossover and or the muffler. If clamps are stretched they will not torque properly and must be replaced.

12. Install muffler tip (purchased separately). Apply Loc-Tite® blue to threads and torque to 75 in-lb.

13. Install the saddlebags

14. Before operating motorcycle, recheck all fasteners for proper torque. Clean heat shield and muffler with soap and water.

| BOM | | | |
|---|---|---|---|
| **ITEM #** | **PART #** | **DESCRIPTION** | **QTY** |
| 1 | 200792 | CROSSOVER WELDMENT | 1 |
| 2 | 200425 | LEFT HEAT SHIELD, CHROME | 1 |
| 3 | 200925 | LEFT HEAT SHIELD, BLACK | 1 |
| 4 | 200791 | LEFT MUFFLER ASM, CHROME | 1 |
| 5 | 200796 | LEFT MUFFLER ASM, BLACK | 1 |
| 6 | 390370 | HEAT SHIELD CLAMP | 2 |
| 7 | 2030301 | 1-3/4" MUFFLER CLAMP | 1 |

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**Feb 2021**