



INSTALLATION INSTRUCTIONS

2-2 Ø1.75 EXHAUST SYSTEM USING OEM STYLE
MUFFLERS For 2017-up FLHT, FLHX, FLHR, FLTR

Mfg. p/n 200420, 200920
(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**® 2-2 Ø1.75" Exhaust Headers on 2017-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 – ¼" drive ratchet	1 – 5/16" nut driver or flat screwdriver
1 – ¼" drive 7/16" & ½" sockets	1 – 7/16" box wrench
1 – ¼" "drive 6" extension	1 – 1/2" box wrench
1 – 3/16" Allen® wrench	1 – 9/16" box wrench
1 – ¼" Allen® wrench	1 – 14mm box wrench
1 – 5/16" Allen® wrench	1 – 15mm box wrench
1 – 6mm Allen® wrench	1 – 22mm box wrench
1 – 10mm Allen wrench	

Supplies: New muffler clamps, and anti-seize..

PROCEDURE:

1. Remove right front footboard.
2. Remove saddlebags.
3. Remove and save the 5/16" bolts and washers from rear brackets on each muffler. Slide old mufflers off header pipes.
4. Disconnect the O2 sensors. Remove heat shields, exhaust headers and crossover. Save the four 5/16"-24 hex flange port nuts and two ¼-20 x 11/16" crossover mount screws,
5. Remove and save retaining rings, O2 sensors and exhaust flanges from old exhaust headers.
6. Remove and discard exhaust port gaskets. Install supplied new conical gaskets.

CAUTION: Conical port gaskets must be used with KW exhaust headers to avoid leaks.

7. Install flanges (counterbore up) and retaining rings on new exhaust headers. 18mm or 12mm Oxygen sensors and/or supplied plugs/gaskets may be installed at this time. Use anti-seize on threads.

INSTALLATION TIP:

8. Pre-install the 3/8-16 x 1.0 carriage bolt into the header P-clamp. (see photo 8a) Install 3/8-16 flange nut and fully tighten to set the carriage bolt into P-clamp. (see photo 8b) Once the carriage bolt is pre-set in the P-clamp remove and save the 3/8-16 Flange nut. (see photo 8c)

9. Remove the transmission outer side cover. Remove the 2 lower 5/16"-18 screws from the inner transmission side cover and install the supplied L-bracket with the existing screws. Torque to 22-25 ft-lbs. reinstall the outer cover. Torque to 100-120 in-lbs.

10. Position the P-clamp on the crossover. The edge of the bracket should be 3-7/8" from the notched end. (see photo 10a) Position the crossover weldment under the oil pan and loosely install the two saved ¼-20 x 11/16" socket cap screws through the crossover P-clamp and into the back of the transmission case. Final torque will be done at a later step. Install supplied 1.75" (46mm) AccuSeal pipe clamp on the slotted end of the crossover pipe weldment with the open end to the rear and the nut facing down (cannot be installed later, (see photo 10b)

11. Install new header system using saved 5/16"-24 hex flange nuts. Seat front pipe first and loosely install port nuts. A firm pull rearward on the rear header, while keeping the front header seated, may be necessary to clear the rear head casting. Be careful not to damage gaskets. Loosely install rear port nuts. Do not fully tighten nuts yet.

Next slip the exit end of the front head pipe into the crossover and guide the pre-assembled "P" clamp and carriage bolt into the transmission "L" bracket installed in step 9. The P-clamp sits on top of the L-bracket. Loosely install the supplied 3/8"-16 flange nut. (see photo 11)

12. Slide mufflers onto header pipes in the original position. The rear brackets 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 to 96-144 in-lbs.

Do not tighten the muffler clamps until the heatshields are in place.

13. Check alignment of exhaust system make sure no part of the exhaust system is touching the frame, engine, swing arm or brake lever.



