



INSTALLATION INSTRUCTIONS

2-2 EXHAUST HEADERS
For 2009-2011 FLHT, FLHX, FLHR, FLTR
Mfg. p/n 200650
(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 Exhaust Headers on 2009-2011 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 swing arm pivot suspension stabilizers.

NOTE: Right side floorboard must be mounted in the lowest position.

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 . ¼"+nut driver or flat screwdriver |
| 1 . ¼"+drive ½"+socket | 1 . 1/2"+box wrench |
| 1 . ¼" drive 6"+extension | 1 . 9/16"+box wrench |
| 1 . 3/16"+Allen® wrench | 1 . 7/16"+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 conical port gaskets (H-D 65324-83B), Blue Loctite® and anti-seize.

PROCEDURE:

1. Remove right front footboard.
2. Remove saddlebags.
3. Remove mufflers, save clamps (H-D states clamps are not reusable. See step 19).
4. Disconnect the O2 sensors. Remove heat shields, exhaust headers and crossover. Save the 5/16-24 hex flange port nuts.
5. Remove and save retaining rings, O2 sensors and exhaust flanges from old exhaust headers.
6. Remove and discard rear exhaust bracket mounted to transmission and the crossover hanger bracket. Replace transmission socket screws.

7. Remove and discard four of the ¼"+socket heads closest to the rear of the oil pan (leave center rear screw intact). See the photo.

8. Remove and discard exhaust port gaskets. Install new conical gaskets.

CAUTION: New conical port gaskets (H-D 65324-83B) must be used with KW exhaust headers to avoid leaks.

9. Install flanges 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

10. Install new header system using saved 5/16-24 hex flange nuts. Seat front pipe first then rear. 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. Do not fully tighten nuts yet.

11. Install the four ¼"-20 x 2.50"+hex cap screws, ¼"+lock washers and the crossover spacer weldment to the bottom of the oil pan. Use blue Loctite on the threads. Torque the fasteners to 90-108 inch lbs.

12. Install the supplied Torca/AccuSeal pipe clamp on the expanded end of the crossover pipe weldment with the open end down and the nut facing out (cannot be installed later).

13. Position the crossover weldment under the oil pan and slide its expanded end onto the end of the front header pipe. Align the holes in the crossover weldment bracket with the threaded holes in the oil pan bracket weldment and install the two 5/16-24 x .50 hex cap screws with the 5/16 flat washers under the head. Torque to 20 foot lbs.

14. Torque the port flange nuts evenly. Do not tighten the Torca clamp until the heat shields are in place.

CAUTION: To ensure there are no leaks and the system is properly aligned the front and rear port nuts must be evenly torqued.

15. Clean header pipes and crossover (see step 21).

16. Insert worm gear clamps into slots on the back side of the heat shields. All clamps screws except the upper two on the rear shield should be positioned so the screw heads can be accessed from the front or bottom of the headers. **Tip:** Insert clamps halfway into the slots and bend the ends outward to ease installation over header pipes.

17. Install heat shields. Connect and loosely tighten all worm gear clamps. Position screw heads for easiest access and tighten with a ¼"+nut driver or screwdriver.

18. Install mufflers (hopefully new *Khrome Werks®*). Torque left and right muffler and header/crossover supplied Torca/AccuSeal clamps. Make sure header/crossover clamp does not contact frame. **Tip:** Use anti-seize on threads of used muffler clamps. If they clamp down securely they don't need to be replaced, however they may be stretched and require replacement.

19. Reinstall front floorboard in the lowest position.

KHROME WERKS®

P.O. BOX 355 • New Prague, MN 56071

INSTALLATION INSTRUCTIONS

2-2 EXHAUST HEADERS
For 2009-2011 FLHT, FLHX, FLHR, FLTR
Mfg. p/n 200650
(See pkg. label for Dist. p/n)

20. Reconnect oxygen sensor electrical plugs.

21. Before operating motorcycle, clean pipes and mufflers with soap and water or window cleaner. Any grease, oil and finger prints will permanently burn onto pipes. Dry thoroughly.

CAUTION: Carefully read the enclosed Important Notice sheet. Recalibration may be required depending on engine modifications.

WARNING: Check all mounting hardware to be sure it is tight before and after first operation of motorcycle. Periodically, check tightness of all mounting hardware.

USE AND CARE: Wash your accessories with the same care you use when washing your motorcycle. Use mild soap and water. DO NOT use abrasive chemicals or cleaners, or high pressure washers.

CAUTION: Cover ends of mufflers when washing motorcycle. Mufflers/headers may internally corrode if saturated with water and allowed to sit.

BOM			
ITEM #	PART #	DESCRIPTION	QTY
1	200651	HEADER WELDMENT	1
2	200652	CROSSOVER WELDMENT	1
3	203020	TORCA / ACCUSEAL CLAMP	1
4	200653	FRONT HEAT SHIELD	1
5	200605	REAR HEAT SHIELD	1
6	200654	LEFT HEAT SHIELD	1
7	390335	HEAT SHIELD CLAMP	10
8	200656	C-OVER SPACER WELDMENT	1
9	420442	¼-20 X 2.50 OIL PAN SCREWS	4
10	420224	OIL PAN LOCK WASHERS	4
11	420443	5/16-24 x .50 C-OVER SCREWS	2
12	420190	5/16 FLAT WASHER	2
13	209012	12mm O2 PLUG	2
14	420403	12mm O2 GASKET	2
15	209018	18mm O2 PLUG	2
16	420405	18mm O2 GASKET	2



KHROME WERKS®
P.O. BOX 355 • New Prague, MN 56071