Thank you for purchasing RUSH. We strive for excellence and take pride in making the best exhaust possible for your Harley-Davidson®. We take our full systems to an all new level in the exhaust industry! Our full systems come standard with ceramic coating on both the inside and outside of the head pipe, providing superior heat reduction and quality looks for years to come.

EXHAUST SYSTEM INSTALLATION

*NOTE* TUNING IS REQUIRED TO ENSURE PROPER PERFORMANCE OF THE ENGINE AND THE EXHAUST SYSTEM.

1. Remove and set aside stock exhaust system, some stock components may be required for reinstallation of new system. Rush recommends replacing used exhaust gaskets with new ones that can be obtained thru your local H-D dealership. (If you are experiencing difficulty removing the stock exhaust system please refer to your service manual for proper instructions.)
2. Remove right side rider floorboard and mounts, also passenger right side floorboard and mount.
3. Remove the Rush header and heat shields from the protective packaging. Place each heat shield on a non-abrasive surface, such as a blanket. Using a felt tip pen, mark the outside edge of the heat shields to show the location of the mounting clips that the worm clamps will go through; place them to the side. Figure 1
4. Using snap ring pliers, carefully remove circlips on each stock pipe inlet; remove flange. Figure 2 (Replace circlips if damaged or bent)
5. Slide the exhaust flanges onto the Rush head pipes with the recessed area of the flange facing the pipe inlet and install the circlips using snap-ring pliers. Figure 2
6. Carefully remove the stock O2 sensors from the headpipes making sure to mark where the electrical connectors plug into. *Installer tip: (Do not plug wrong O2 connectors together.) Figure 3
7. Apply a small amount of anti-seize compound to the threads of the O2 sensors and install them into the RUSH head pipe. Plug the unused O2 ports with either PLUG-01 or PLUG-02.
8. Install BRKT-043 to the transmission end cover using the stock bolts. Figure 4
9. Insert the head pipes into the exhaust ports, slide the flanges up to the cylinder heads, and snug the nuts. Do not fully tighten. Figure 5
10. Attach the front cylinder pipe to the rear of the transmission by sliding BC175W onto the rear of the pipe so that the rounded offset faces to the front of the motorcycle; then attach the pipe to the back of the transmission bracket with BOLT-35 and snug. Do not fully tighten. Figure 6
11. Slide clamp BC175 onto the rear headpipe and position on top of BRKT-043. Figure 7
12. Attach the pipe to BRKT-043 by the transmission using the stock carriage bolt and nut, making sure the tab on the pipe is on top of the transmission bracket. Do not fully tighten. Figure 7

*NOTE* TUNING IS REQUIRED TO ENSURE PROPER PERFORMANCE OF THE ENGINE AND THE EXHAUST SYSTEM.
EXHAUST SYSTEM INSTALLATION

(Continued from previous page)

PLEASE READ ALL INSTRUCTIONS BEFORE BEGINNING

Note: Installation instructions are to replace STOCK exhaust. If aftermarket exhaust is already installed you may need to obtain additional mounting hardware from your dealer.

14. Loosely position (1) 65283 clamp onto the short crossover pipe so that the nut can be reached; then slide the pipe onto the front cylinder head pipe. **Do not tighten.** Figure 8

15. Loosely position (1) 65283 clamp onto the LH muffler, making sure that the nut for the clamp is to the inside and both of the muffler. Slide muffler onto head pipe and attach to the support with the stock bolts. Repeat for the RH muffler. **Do not tighten.** *Note: This step may differ depending on the mufflers being used. If using Rush mufflers follow the installation instructions for those mufflers.** Figure 9 A, B

16. Tighten the rear cylinder pipe. Begin by tightening all the hardware from the muffler forward to the cylinder head maintaining proper alignment of system. **Note: Tighten muffler clamp to 60-65 lb-.** Figure 10

17. Tighten the front cylinder pipe. Begin by checking the clearance of the LH pipe under the transmission and belt guard. Adjust as needed to tighten Bolt-35. Tighten the remaining hardware from the muffler support up to the cylinder head, making sure to maintain proper alignment of the system. **Note: Tighten muffler clamp to 60-65 lb-.** Figure 10

18. Reconnect the O2 sensors. Use supplied ZIPSTRIP to attach the front sensor wire to frame away from heat.

19. Install all the heat shields using CLAMP-001 and loosely tighten. Starting at the cylinder head, tighten all clamps while working your way to the rear, being sure to maintain proper alignment. **Figure 10**

20. Install passenger floorboard with stock hardware.

21. Install rider floorboard using (2) BOLT-30, placing (2) WASHER #6 between the frame and support.

22. **VERY IMPORTANT** After installation is complete and before starting motorcycle for the first time, be sure to clean the entire system with a mild degreaser/solvent. This will remove any oils or residues that can cause discoloration. **Note: Any leftover residue, oil, or fingerprints, will cause the chrome to discolor.**

23. Reconnect battery, install seat, side covers, and saddlebags.

24. Start motorcycle and run. Check to make sure there are no leaks. Ride motorcycle for 50 miles and let cool. Recheck all attaching hardware and tighten if needed.

You are now ready to fully enjoy your new exhaust system!

Use Big Louie mufflers to complete the Rush performance Experience!

**Note:** Installation instructions are to replace STOCK exhaust. If aftermarket exhaust is already installed you may need to obtain stock mounting hardware from your dealer.
Use BIG LOUIE MUFFLERS to complete the RUSH performance experience!

- 1 Piece muffler shell with no weld in the neck
- 4 inch diameter gives it a OEM appearance and premium sound
- Interchangeable baffles allow for tunability
- 16 gauge solid muffler body construction
- High polish show chrome finish
- Also available in high temp black powder coat
- 100% Made In The U.S.A.

*CONTRAST CUT TIPS*

Follow us !!
### DON’T FORGET TO KEEP IT CLEAN!!!

RUSH chrome polish with acrylic sealer cleans and shines dull and tarnished chrome to a brilliant mirror-like finish. Works great on all mufflers, wheels, and chrome accessories. Repels corrosion by sealing chrome with a protective finish!

- Each bottle is 4 fl.oz. (118ml) and can be purchased in display cases containing 12 bottles or as single bottles.
  - CP-04/12 (for case)
  - CP-04 (single bottle)

- Each pack includes a 0.5 fl.oz. pack of chrome polish and a disposable polishing cloth.
  - CP-PACK (single pack)

Contact Us At sales@rushracingproducts.com

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