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 full 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 REMOVAL
PLEASE READ ALL INSTRUCTIONS BEFORE BEGINNING

Note: These instructions are meant for 2009 and up only. If additional information is needed for prior model years please call Rush at 800-362-1701 or email sales@rushracingproducts.com.

1. Remove the saddlebags, side covers, and seat; place them to the side.
2. Disconnect the battery.
3. Cover the primary housing and transmission covers to prevent damage.
4. Remove the RH passenger floorboard; place it to the side.
5. Remove the RH rider floorboard and support brackets; place them to the side.
6. Unscrew the worm clamps and remove all of the factory heat shields.
7. Unplug both O₂ sensors and cut the zipstrip that holds the front sensor wire to the frame.
8. Loosen the RH muffler clamp and while supporting the muffler remove the (2) bolts from the saddlebag support; then remove the muffler. Leave the metal bracket inside the rubber mount to be used later. Repeat for the LH muffler. *Note: If installing false pipe kit leave the bracket and rubber mount on the LH side, otherwise remove.
9. Loosen the clamp for the crossover pipe and remove the bolt that holds the pipe under the transmission; then remove the pipe.
10. Remove the carriage bolt and nut that hold the head pipe at the transmission and place them to the side to be used later. Remove the bracket and place the bolts to the side to be used later.
11. While supporting the head pipes, remove the (2) nuts on each cylinder head flange and place them to the side to be used later; then remove both head pipes as one unit.
12. Carefully remove the O₂ sensors from the head pipes and place them to the side to be used later.
13. Using snap-ring pliers remove the (2) circlips; then remove the (2) flanges from the pipe inlets and place them to the side to be used later. *Note: Circlips should be replaced if worn or damaged. H-D part # 65325-83A
14. Remove and inspect both exhaust gaskets and reinstall into exhaust ports. *Note: Exhaust gaskets should be replaced if worn or damaged. H-D part # 65324-83B
1. 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. See figure 1.

2. Slide the exhaust flanges onto the head pipes with the recessed area of the flange facing the pipe inlet and install the circlips using snap-ring pliers. See figure 2.

3. 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.

4. Attach BRKT-002 by the transmission using the stock bolts.

5. Insert the head pipes into the exhaust ports starting with the front cylinder then the rear, slide the flanges up to the cylinder heads, and snug the nuts. Do not fully tighten.

6. Slide BC175 over the end of the pipe and attach to BRKT-002 using the stock carriage bolt, nut, and WASHER #4, making sure that BC175 is on top of the transmission bracket and WASHER #4 is between the clamp. See figure 3. Do not tighten.

7. Loosely position clamp 65290 (8050S-8150S) or 65295 (8050SS-8150SS) onto the muffler, making sure that the nut for the clamp is to the inside and bottom of the muffler. Slide the muffler onto the head pipe and attach to the support with (2) BOLT #2 and (2) WASHER #2. Do not tighten.

8. Install tip #4022-R1R or #4022B-R1R, with (3) BOLT #1, (3) WASHER #1, and (3) NUT #1.

9. Tighten the hardware for the head pipe. Start with the carriage bolt by the transmission, then tighten at the cylinder heads. Be sure to maintain proper alignment of system. *Note: Do not tighten muffler at this time.

10. Reconnect the O2 sensors. Use supplied ZIPSTRIP to attach the front sensor wire to the frame.

11. Install the head pipe heat shields using CLAMP-001 on the smaller section and CLAMP-004 on the larger section. Starting at the cylinder head, tighten all clamps while working your way to the rear, being sure to maintain proper alignment. See figure 4.

12. Loosely install the collector heat shield using CLAMP-003. Hold heat shield in place and adjust muffler as needed to obtain a seamless look. See figure 5. Tighten the muffler mounting bolts then tighten the clamp. Tighten CLAMP-003 maintaining proper alignment with front heat shields and muffler. See figures 4 & 5. Note: Tighten the muffler clamp to 60-65 lb-ft.

13. Reinstall the passenger floorboard using stock hardware.

14. Reinstall the rider floorboard using either (2) BOLT-30 or (1) BOLT-30 and (1) BOLT-31, placing (2) WASHER #6 between the frame and support bracket. Note: For 2008 models and earlier use (2) BOLT-10 and (2) WASHER #5.

15. **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.

16. Reconnect battery; install seat, side covers, and saddlebags.

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

1. Flat blade screwdriver
2. 5/16" nut driver
3. 1/2", 9/16", 7/8" and 14mm combination wrenches
4. 1/4", 3/16" and 5/16" Allen wrenches
5. Snap ring pliers
6. Ft./Lb. torque wrench
7. 3/8" ratchet & extensions

REPLACEMENT BAFFLES

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<th>Size (in)</th>
<th>Part Number</th>
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<tbody>
<tr>
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<tr>
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<tr>
<td>3.00&quot;</td>
<td>#8050S-300B</td>
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PACKING LIST

(1) 65290 or 65295
(4) CLAMP-001
(1) CLAMP-003
(2) PLUG-01
(2) BOLT #2
(1) ZIPSTRIP
(2) BOLT #30
(2) WASHER #6
(3) NUT #1
(2) WASHER #5

(1) WASHER #4
(3) CLAMP-004
(1) BC175
(2) PLUG-02
(2) WASHER #2
(1) BRKT-002
(1) BOLT #31
(3) BOLT #1
(3) WASHER #1
(2) BOLT #10

For 2008 & prior years only!