

HARLEY-DAVIDSON® TOURING

2 INTO 1 INSTALLATION INSTRUCTIONS

PART# 8050-8150



Thank you for purchasing **RUSH**. We strive for excellence and take pride in making the best exhaust 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 REMOVAL

READ ALL INSTRUCTIONS BEFORE BEGINNING

1. Remove both saddlebags and side covers from the motorcycle.
2. Remove seat and place it away from the work area; disconnect battery.
3. Cover the primary housing, transmission top, and end cover near the head pipe to prevent damage.
4. Remove the bolt for the passenger floorboard that attaches it to the frame.
5. Remove the right side rider floorboard and support brackets. Loosen muffler clamps; remove the support bolts located at the rear upper portion of the mufflers. Remove mufflers from the head pipes. Unscrew clamps on the factory heat shields and remove heat shields from the head pipes.
6. Unplug both O² sensors, take note of their location as they are different. 2009 models are located up at the head, 2010 models are located by the transmission side cover. Cut and remove the zip strip that holds the front O² sensor wire to the frame. Loosen clamp on the rear exhaust pipe; remove the left side pipe (stock dual system only) while leaving the split pipe in place.
7. Loosen clamp on crossover pipe and remove leaving right side exhaust intact.
8. Remove nuts from the flanges located at the cylinder heads. Remove the right side pipe as one unit.
9. Using snap ring pliers, carefully remove circlips on each pipe inlet; remove flange. **See Figure 2. NOTE: Replace circlips if damaged or bent. Check condition of exhaust port gaskets and replace with H-D P/N 65324-83A.**

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BEFORE INSTALLATION PLEASE READ ALL INSTRUCTIONS

1. Remove header and heat shields from protective packaging. Place each heat shield on a non-abrasive surface such as a blanket or carpet. Using a felt tip pen, mark outside edge of each heat shield to show location of mounting clips that hose clamps will loop through. **See Figure 3.**
2. Slide flanges on head pipes with the recessed area of the flange facing the pipe inlet. **See Figure 2.** Reinstall circlips using snap ring pliers. Carefully remove the O² sensors from the stock head pipes using a 7/8" wrench on 2009 models and 14mm wrench on newer models. Front and Rear O² sensors are different take note of their location and reinstall back to stock location. Plug other O² ports with supplied O² sensor plugs.
3. Apply a small amount of anti-seize compound to the threads of the O² sensors and install them into the new head pipe. Plug other O² sensor ports with either Plug 01 or Plug 02 depending on the year of motorcycle.
NOTE: Be careful not to get anti-seize on the head of the sensor as this may cause the sensor to malfunction.
4. Mount right side rider floorboard supports with the spacers and stock bolts. Place spacers between frame and support brackets. Do not tighten.
5. Install the head pipe assembly by sliding the flange up to the rear cylinder head first and tighten nuts by hand, attach pipe to transmission bracket by transmission side cover. Install stock carriage bolt and nut. **Do not tighten.**
6. Install the muffler and clamp to head pipe. **Leave clamp loose!!** Install mounting bolts into the rear muffler support bracket. Do not tighten.
7. Starting at front of head pipe, tighten all hardware while maintaining proper alignment of the exhaust system stopping at the muffler, leave muffler clamp loose for alignment with claw heat shield later.
8. Reconnect the O² sensor; use the supplied ZIP STRIP to reattach the wire to the frame.
9. Install heat shields; starting at the heads and working your way back tighten hose clamps while keeping the heat shields parallel. Hold up claw heat shield to the front section and muffler and adjust muffler to fit claw heat shield with a seamless look. **See Figure 1 and 4.**
10. Remove claw heat shield and install CLAMP-003 on the claw heat shield. Reinstall heat shield; tighten muffler clamp and tighten heat shield keeping it centered between the two header heat shields. **See Figure 1 and 4.**
11. Reinstall rider floorboard and tighten mounting bolts to factory specs.

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12. After Installation is done and before starting your motorcycle, clean your new exhaust thoroughly with a soft cloth and a cleaning solvent that doesn't leave any residue. Any oily residue, like fingerprints, will burn into the chrome.

REFERENCE PICTURES



FIGURE 1

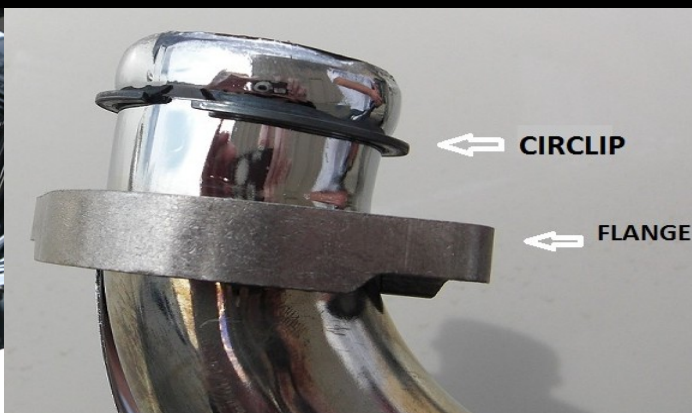


FIGURE 2



FIGURE 3

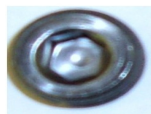


FIGURE 4

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
8. 1/2" socket and 1/2", 9/16" & 5/8" deep well sockets

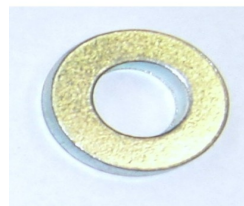
PACKING LIST



PLUG 01



PLUG 02



WASHER #4



CLAMP-001



CLAMP-003



65290



BRKT-23



ZIPSTRIP

PARTS LISTING

1 - 65290

1 - CLAMP- 003

2 - WASHER #4

2 - ZIPSTRIP

1 - BRKT- 23

6 - CLAMP- 001

2 - PLUG 02

2 - PLUG 01