

HARLEY-DAVIDSON® DYNA
CROSSOVER INSTALLATION INSTRUCTIONS
PART# 7030-7130



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 left side cover to access MAXI Fuse, remove fuse to disconnect power.
2. Remove seat to access rear O² sensor connector. Unplug rear sensor and feed through the frame so that it is free from the motorcycle.
3. Remove the two bolts holding the voltage regulator onto the front of the frame. Open plastic cover and unplug the front O² sensor from wire harness. Remove zip strip and feed wire through; making it free from motorcycle.
4. Loosen heat shield clamps on both front and rear head pipes.
5. Remove both front and rear exhaust port flange nuts.
6. Remove front head pipe clamp bolt.
7. Remove bolt connecting mufflers to the frame mounting bar.
8. Remove exhaust.
9. Remove stock mounting bar and studs in transmission cover. **See Figure 1.**
10. Remove left bolt from below transmission cover. Install that bolt in the top left hole remaining vacant by the new bracket. Add spacers between bracket and transmission case. **See Figure 1.**
11. Remove flanges and circlips from stock exhaust. Also, remove O² sensors from stock exhaust.

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 the mounting clips that hose clamps will loop through. **See Figure 3.**
2. Attach BRKT-015 to transmission using stock bolt in the top hole and install WASHER #8 in-between top hole of BRKT-015 and the transmission. Apply LOCTITE to all bolts. Install two BOLT #18 hex bolts and two WASHER #3 washers into the two remaining holes and tighten to factory specifications. **See Figure 1 & 6.**
3. Install circlips and flanges on new head pipes. **See Figure 2.**
4. Apply anti-seize on O² sensors before installation, then install. **NOTE: Be careful not to get any anti-seize on the head of the sensor as it may cause the sensor to malfunction.**
5. Install head pipe system starting with the rear cylinder. Do not tighten.
6. Slide BRKT-008 inside bracket that is on back side of the system. Attach system to mounting bracket using two BOLT #11 flange head bolts per each head pipe. Do not tighten. **See Figure 5.**
7. Tighten exhaust port flange nuts. **See Figure 2.**
8. Tighten the four BOLT #11 flange head bolts on the transmission mounting bracket.
9. Install bottom heat shield with CLAMP-001 on head pipe and CLAMP-004 on muffler body loosely. Keep clamp screw head accessible. Repeat with top heat shield.
10. Adjust heat shields while keeping them parallel and tighten. **See Figure 4.**
11. Reconnect both front and rear O² sensors, reinstalling wiring back to stock location. Install new ZIP STRIP to hold O² sensor wires.
12. Reinstall seat, MAXI Fuse and left side cover.
13. Check for clearance between exhaust components and motorcycle accessories prone to heat damage.
14. Recheck all nuts and bolts on complete system; make sure they are tight.
15. 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.

RUSH RACING PRODUCTS EXHAUST
SYSTEM INSTALLATION P/N 7030-7130

REFERENCE PICTURES

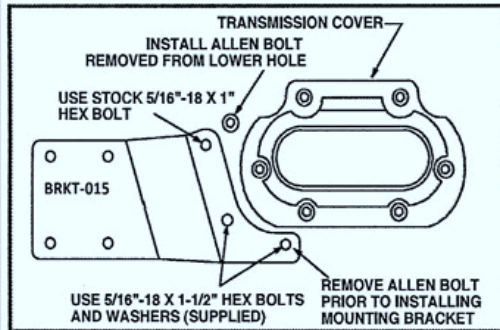


FIGURE 1

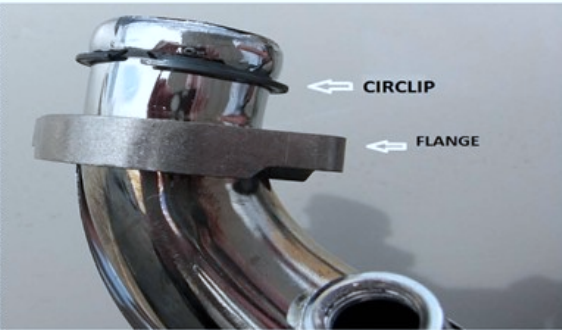


FIGURE 2



FIGURE 3



FIGURE 4



FIGURE 5

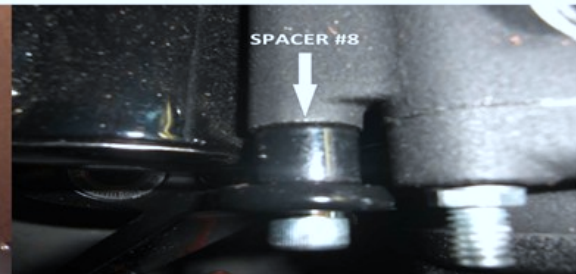


FIGURE 6

TOOLS REQUIRED

1. Flat blade screwdriver
2. 5/16" nut driver
3. 1/2", 9/16" 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

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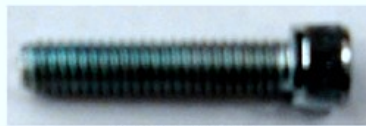
PACKING LIST



BRKT-008



ZIPSTRIP



BOLT #18



CLAMP-001



CLAMP-004



BOLT #11



WASHER #3



WASHER #8

PARTS LISTING

- | | |
|---------------|---------------|
| 4 - BOLT #11 | 1 - BRKT-015 |
| 2 - BRKT-008 | 4 - CLAMP-001 |
| 2 - BOLT #18 | 2 - CLAMP-004 |
| 1 - LOCTITE | 2 - WASHER #3 |
| 1 - ZIP STRIP | 1 - WASHER #8 |