

## Items Supplied >

- 1 – FRONT HEADPIPE / HEATSHIELD ASSEMBLY
- 1 – REAR HEADPIPE / HEATSHIELD ASSEMBLY
- 1 – MUFFLER ASSEMBLY
- 1 – BIKINI HEATSHIELD
- 1 – EXHAUST MOUNT BRACKET
- 5 – CLAMP, HS-24 HOSE (SMALLER)
- 1 – CLAMP, HS-28 HOSE (LARGER)
- 2 – CLAMP, 27-61 MSC
- 2 – BOLT, 5/16"-18 x 1/2" HEX FLANGE W/ LOCK PATCH
- 2 – BOLT, 3/8"-16 x 3/4" HEX FLANGE W/ LOCK PATCH
- 1 – SCREW, 3/8"-16 x 2 1/2" S.H.C
- 1 – SPACER, FOOTPEG

## Application(s) >

HARLEY SOFTAIL 2012-2013

## Instruction Manual >

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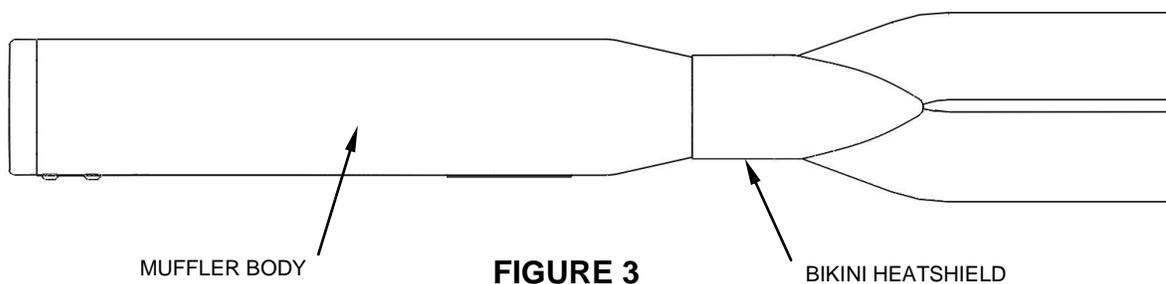
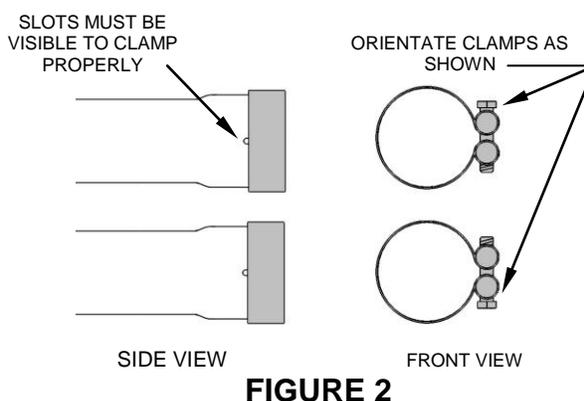
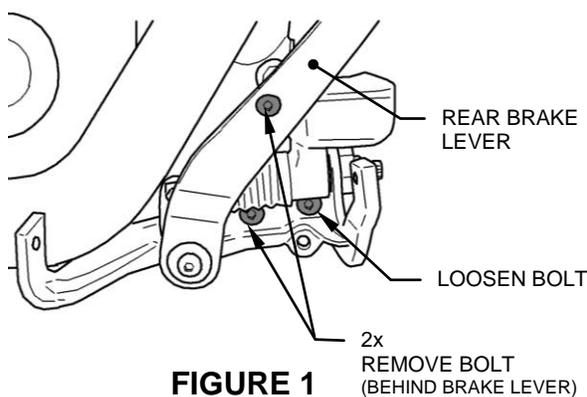
**PRIOR TO INSTALLATION, MAKE SURE YOUR STOCK HEADPIPE GASKETS ARE IN GOOD SHAPE. IF YOU HAVE ANY DOUBTS AS TO THEIR CONDITION, REPLACE THEM.**

**Read all instructions carefully and completely before installing your new exhaust system**

1. Unplug O<sub>2</sub> sensors on front and rear headpipes from motorcycle wire harnesses. Remove stock exhaust system. Remove and save the flanges, flange nuts, retaining rings and O<sub>2</sub> sensors from the stock headpipes.
2. On FLSTC, FLSTN, FLSTF, and FLSTFB, remove the right floorboard. Remove the two floorboard mounting bracket bolts leaving the third in place but loosen and rotate mount down out of the way, See Figure 1. This will make installation of exhaust and heatshields possible.
3. Remove the stock exhaust mount bracket. Replace the right side passenger foot peg using the 3/8" x 2 1/2" bolt and the supplied spacer and tighten.
4. Install the supplied exhaust mount bracket on the motorcycle using the supplied 3/8" hex bolts.
5. Remove the front and rear headpipes from box and install stock flanges, retaining rings and O<sub>2</sub> sensors from Step 1 onto new headpipes.
6. Install the front and rear headpipes onto the motor (with stock gaskets) using stock flange nuts but **DO NOT TIGHTEN.**
7. Remove the muffler assembly from the box and slide a supplied clamp #27-61MSC onto each muffler inlet tube. Refer to Figure 2 for proper alignment.
8. Make sure the headpipes are parallel with each other. Slide the muffler assembly onto the headpipes by tapping on the headpipes with your hand as you push the mufflers forward making sure the assembly slides as far forward as possible. Secure the muffler assembly to the exhaust mount bracket using the supplied 5/16" bolts but **DO NOT TIGHTEN.**
9. Make sure the muffler assembly is parallel to the ground (this is critical) then tighten the following in order; exhaust bracket to the frame, muffler assembly to the exhaust bracket, headpipe flanges to the motor (slowly tighten opposing nuts) and lastly the muffler clamps. (NOTE: If the muffler clamps are slid to far up the muffler or past the slots, the clamps will not tighten properly.)
10. Plug O<sub>2</sub> sensors back into motorcycle wire harness.

**\* Cobra® recommends you always wear a helmet while riding. Please never operate your motorcycle while under the influence of alcohol and/or drugs. Enjoy the new look of your motorcycle and please ride safely.**

11. Unscrew the smaller hose clamps and feed the tail end of the clamp through the clips on the inside of the heatshields. The screw end of the hose clamp should be accessible for tightening but not visible when the heatshields are mounted to the pipes.
12. Place the heatshields onto the headpipes and align at collector but **DO NOT TIGHTEN** at this time. Feed the tail end of the larger hose clamp through the bikini heatshield and snap into place over the muffler collector and heatshields, See Figure 3. Align the bikini heatshield with the front and rear heatshields. Tighten all heatshield hose clamps followed by bikini heatshield clamp.
13. Rotate the floorboard mount back into place and retighten bolts to factory specifications. Reinstall the right floorboard with its original hardware.
14. Make sure all the hardware (brackets, headpipes, heatshields, mufflers and baffles) has been tightened appropriately and cleaned before starting your motorcycle.



**IMPORTANT:** It is recommended that you install a Cobra Fi2000® Digital Fuel Processor with your Cobra exhaust system; **Cobra Part #692-1617AT for 2012 models and Part #692-1617CL-50 for California models.** Cobra is not responsible for the performance of any other fuel management system used with Cobra exhaust systems.

**Before starting your engine remove all fingerprints from chrome with a quality wax or chrome polish. Failure to do so can cause discoloration. Due to fluctuations in fuel injection/carburetion settings, timing, etc., Cobra Engineering does not warrant against chrome discoloration.**

California does not allow the use of aftermarket exhaust systems that remove original equipment catalyts, (except for racing use only) unless the Air Resources Board has issued an Executive Order for that system.