



### Items Supplied >

2 – FRONT & REAR EXHAUST HEADPIPE  
2 – FRONT & REAR EXHAUST HEATSHIELD  
1 – MUFFLER ASSEMBLY  
1 – EXHAUST BRACKET  
5 – HOSE CLAMPS  
2 – BOLT, HEX 5/16-18 x .63  
2 – BOLT, HEX 3/8 x .75  
2 – SCREW, BUTTON 1/4-20 x .38  
1 – SCREW, S.H.C 3/8-16 x 2.50  
1 – SCREW, S.H.C. 1/2-20 x 3.00  
1 – SPACER, SHORT  
1 – SPACER, LONG  
2 – BILLET MUFFLER TIPS

### Application(s) >

FXSTS 86-06  
FLSTF 86-06  
FXSTB 86-06  
FXST 86-06  
FXSTC 86-06  
FXSTD 86-06  
FLSTC 86-06

### Instruction Manual >

6850

Page 1 of 2

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

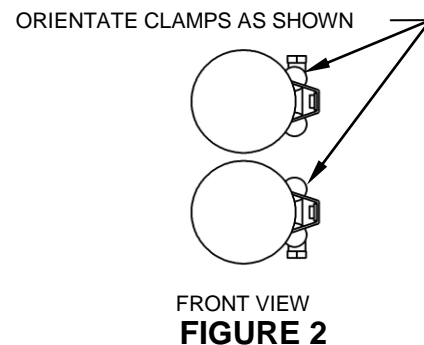
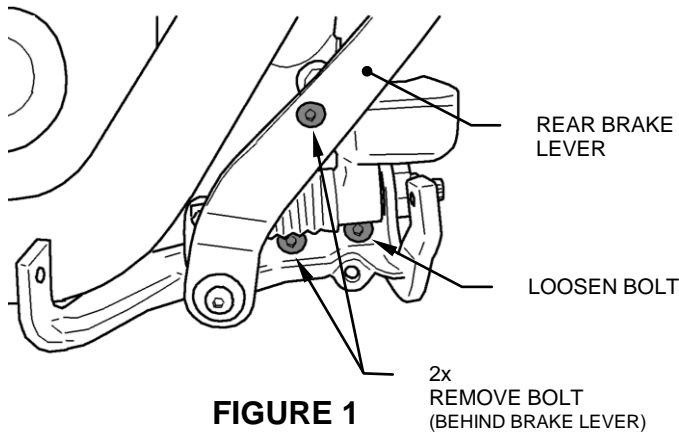
**Read all instructions carefully and completely before installing your new exhaust system**

1. Remove stock exhaust system. On FLSTC, FLSTN, FLSTF, and FXSTS, remove the right floorboard. Next remove the two floorboard mounting bracket bolts leaving the third in place but loose and rotate mount down out of the way. (See figure 1). This will make installation of exhaust and heat shields possible.
2. On pre-2000 models, remove the stock lower mounting bar.
3. On models FLSTN, FLSTF, and FXSTD, remove the stock upper mounting bar.  
**If you have a 1999 model or older proceed to step #4.**  
**If you have a 2000 model or newer proceed to step #5.**

4. Remove the right passenger foot peg bolt. Position the motorcycle on the side stand with a floor jack under the swing arm pivot bolt on the right hand side. Raise the jack just enough to take the weight off the pivot bolt, remove the bolt and stock mounting bar. Reinstall the pivot bolt and torque it between 120-150 ft. lbs. Reinstall the passenger foot peg using the 1/2"-20 x 3" bolt and the supplied 1-5/8" long spacer.
5. Using a #50 Torx driver, remove the three mounting bolts, and set the mounting bar aside. (Two of the bolts are visible; removing the right hand passenger foot peg will allow access to the third bolt.) Replace the foot peg using the 3/8"-16 x 2-1/2" bolt and the supplied 3/4" long spacer.
6. Bolts and spacer used in steps #4 and #5 may also be used on all softail models to space the right rear foot peg away from the exhaust system if you so desire.
7. Remove the flange and retaining ring from the stock headpipes.
8. Place the exhaust mount bracket on the motorcycle and bolt into place using the supplied 3/8" bolts.
9. Remove front and rear headpipe from box and install stock flange and retaining ring onto pipes.
10. Install the front and rear headpipes on the motorcycle but do not tighten. Make sure the pipes are parallel with each other.
11. Remove the muffler assembly from the box and slide one supplied clamp #27-61MSC onto each muffler tube. Refer to Figure 2 for proper alignment.
12. Slide the muffler assembly onto the head pipes by tapping on the head pipes 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 mounting bracket using the supplied 5/16-18 bolts but **do not tighten.**

DISCLAIMER: NOT LEGAL FOR SALE OR USE IN CALIFORNIA ON ANY POLLUTION CONTROLLED MOTOR VEHICLE. THE SALE, USE, OR INSTALLATION OF THIS PRODUCT MAY ALSO BE ILLEGAL NATIONWIDE UNDER THE FEDERAL CLEAN AIR ACT (42 U.S.C. § 7522(A)(3)).

13. Make sure the muffler assembly is parallel to the ground (this is critical) then tighten the following in order, muffler bracket to the frame, muffler assembly to the muffler bracket, head pipe flanges to the motor (slowly tighten opposing nut) and muffler clamps. (NOTE: If the muffler clamps are slid to far up the muffler or past the three slots, the clamps will not tighten.)
14. Unscrew the remaining hose clamps and feed the tail end of the clamp through the clips on the inside of the heat shields. The screw end of the hose clamp should be accessible for tightening but not visible when the heat shields are mounted to the pipes.
15. To install the front heatshield, first slide the rear portion of the heatshield over the muffler, continue to slowly slide it forward pushing the front of the shield gently into place between the frame and motor (Hint: Spread the hose clamps apart slightly to make it easier to slide them over the muffler assembly and head pipes). Make sure the muffler clamps don't interfere with the heatshields and are aligned as shown in figure 2. Snug the heatshield clamps but **do not tighten**.
16. Install the rear heatshield the same way as the front heatshield.
17. Install one billet tip on each heatshield making sure the angled ends of the tips are parallel with each other. Fasten the tips with the supplied ¼-20 screws making sure they snug up against the heatshield leaving no gap between the tip and heatshield when tighten. **If it is difficult to slide the tips into the heatshields loosen the clamps on the heatshield, failure to do this may cause damage to the chrome tips.**
18. Tighten the clamps on the heatshield.
19. Rotate the floorboard mount back into place and retighten bolts to factory specifications. Re install the right floorboard with its original hardware.
20. Make sure all the hardware (brackets, headpipes, heatshields, mufflers and baffles) has been tightened appropriately and cleaned before starting your motorcycle.



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.