

## Items Supplied >

1 – FRONT EXHAUST ASSEMBLY W / HEATSHIELD  
1 – REAR EXHAUST ASSEMBLY W / HEATSHIELD  
1 – EXHAUST BRACKET  
4 – HOSE CLAMPS HS-24  
2 – HOSE CLAMPS HS-28  
4 – BOLT, HEX 5/16-18 x 5/8  
2 – BOLT, HEX 3/8 x 1.0"  
2 – SCREW, BUTTON ¼-20 x 3/8  
1 – SCREW, S.H.C 3/8-16 x 2.50  
1 – SCREW, S.H.C. ½-20 x 3.00  
1 – SPACER, SHORT  
1 – SPACER, LONG  
2 – BILLET MUFFLER TIPS

## Application(s) >

HARLEY:  
FXST 07-10  
FXSTB 07-10  
FXSTC 07-10  
FXSTD 07-10  
FLSTF 07-10  
FLSTN 07-10  
FLSTSC 07-10  
FLSTC 07-10

## 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. On FLSTC, FLSTN, FLSTF, and FXSTSC, 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.
2. On models FLSTN, FLSTF, and FXSTD, remove the stock upper mounting bar.
3. 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 ¾" long spacer.
4. Bolts and spacers used in Step #3 may also be used on all Softail models to space the right rear foot peg away from the exhaust system if you so desire.
5. Remove the flanges, retaining rings and O<sub>2</sub> sensors from the stock headpipes.
6. Place the exhaust mount bracket on the motorcycle and bolt into place using the supplied 3/8" bolts. (See Figure 2.)
7. Remove the front and rear headpipes from box and install stock flanges, retaining rings and O<sub>2</sub> sensors onto pipes.
8. Install the front and rear exhaust assemblies on the motorcycle using the stock flange nuts but **do not tighten**. Make sure the pipes are parallel with each other.
9. Secure the mufflers to the exhaust mount bracket using the supplied 5/16-18 bolts but **do not tighten**.
10. Make sure the exhaust assembly is parallel to the ground, then tighten the following in order, exhaust bracket to the motor, headpipe flanges to the motor (slowly tighten opposing nuts) and muffler assembly to the exhaust mount bracket. Plug O<sub>2</sub> sensors back into motorcycle wire harness.
11. Unscrew the remaining 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.

**\* 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.**

12. 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 exhaust and headpipe area). Snug the heatshield clamps but **do not tighten**.
13. Install one billet tip on each heatshield. 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 tightened. **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.**
14. Tighten the clamps on the heatshield.
15. Rotate the floorboard mount back into place and retighten bolts to factory specifications. Reinstall the right floorboard with its original hardware.
16. Make sure all the hardware (brackets, headpipes, heatshields, and tips) has been tightened appropriately and cleaned before starting your motorcycle.

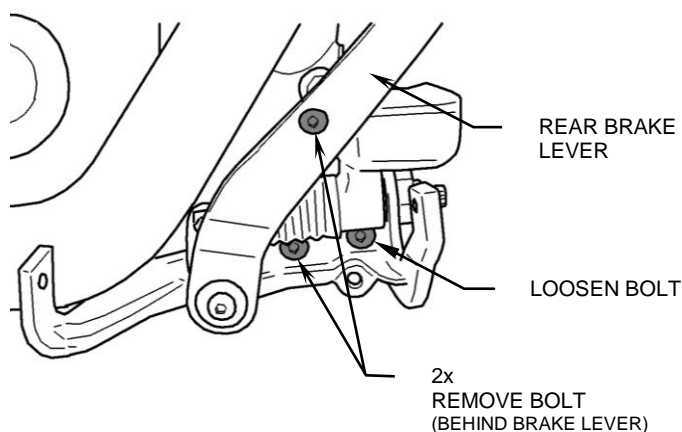


FIGURE 1

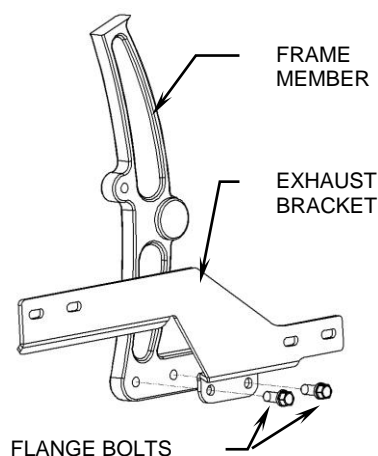


FIGURE 2

**IMPORTANT:** Your motorcycle is equipped with fuel injection; it is recommended that you install a Cobra Fi2000® Digital Fuel Processor with your Cobra exhaust system. For 2007 Models **Cobra Part #: 692-1607CL**. For 2008-2010 Models **Cobra Part #: 692-1614CL**. 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.