

Instruction Manual >

OBRA® 23801 E. La Palma Ave., Yorba Linda, Ca 92887 Ph. 714.692.8180, Fax. 714.692.5016

6989

www.cobrausa.com

Page 1 of 6

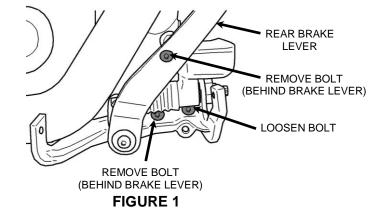
Items Supplied >	Application(s) >
 NIGHT HEADPIPE W/ HEATSHIELD LEFT FRONT HEADPIPE W/ HEATSHIELD LEFT REAR HEADPIPE W/ HEATSHIELD MUFFLERS RIGHT MUFFLER HEATSHIELD LEFT MUFFLER HEATSHIELD RIGHT EXHAUST MOUNT BRACKET LEFT EXHAUST MOUNT BRACKET BOLT, 5/16" X 5/8" FLANGE W/ LOCK PATCH BOLT, 3/8" X 3/4" FLANGE W/ LOCK PATCH BOLT, 1/4" X 3/8" BUTTON HEAD BOLT, 3/8" X 2-1/2" ALLEN HEAD 	HARLEY: FLS SOFTAIL SLIM FLSTC HERITAGE SOFT FLSTF SOFTAIL FAT BO FLSTFB SOFTAIL FAT B FLSTN SOFTAIL DELUX FXS SOFTAIL BLACKLIN

1/	IARLEY:				
	FLS SOFTAIL SLIM	12-17			
	FLSTC HERITAGE SOFTAIL CLASSIC	12-17			
	FLSTF SOFTAIL FAT BOY	12-17			
	FLSTFB SOFTAIL FAT BOY LO	12-16			
	FLSTN SOFTAIL DELUXE	12-17			
	FXS SOFTAIL BLACKLINE	12-13			

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

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

- 1. Apply masking tape to any surrounding parts on the motorcycle to protect them from getting scratched.
- 2. Remove the seat and battery to gain access to the O₂ sensor plugs. Unplug O₂ sensors on front and rear headpipes from motorcycle wire harnesses.
- Remove the stock exhaust system being careful not to damage the headpipe gaskets. If the headpipe 3. gaskets are in good condition they do not need to be removed from the cylinders. Remove and save the flanges, nuts, retaining rings and O₂ sensors from the stock exhaust.
- 4. On FLSTC, FLSTF, FLSTFB, and FLSTN, remove the right floorboard. Remove the top and rear bolts for the right floorboard mounting bracket that are behind the rear brake lever. Loosen the front bolt and rotate the mount down out of the way. See FIGURE 1. This will make the installation of the exhaust and heatshields easier.



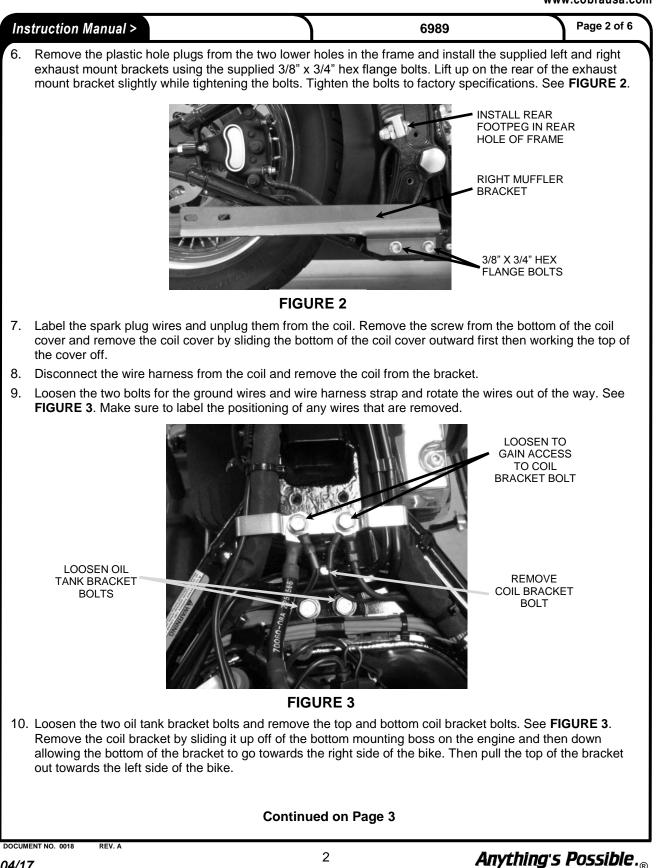
5. Remove the right side passenger foot peg from the clevis mount that is attached to the exhaust mount bracket. Remove the clevis mount from the exhaust mount bracket and then the stock exhaust mount bracket from the frame. Install the right side passenger foot peg using the 3/8" x 2-1/2" bolt and the supplied spacer into the rear most hole in the frame. See FIGURE 2. Tighten to factory specifications.

Continued on Page 2

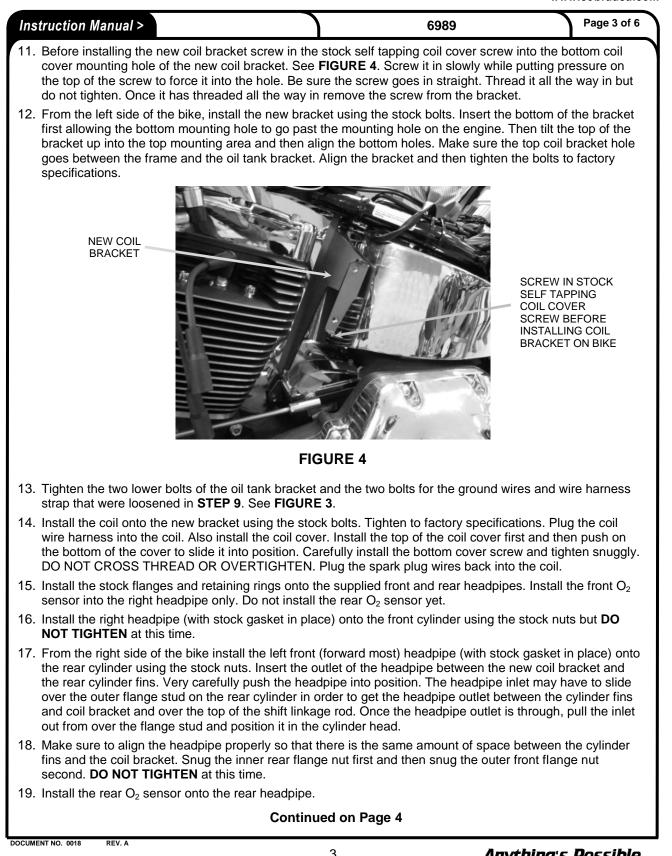
* Cobra®recommends you always wear a helmet while riding. Please never operate your motorcycle while under the influence of alcohol and/or drugs. Enjoy the new look of your motorcycle and please ride safely. DOCUMENT NO. 0017 REV. A



8 23801 E. La Palma Ave., Yorba Linda, Ca 92887 Ph. 714.692.8180, Fax. 714.692.5016

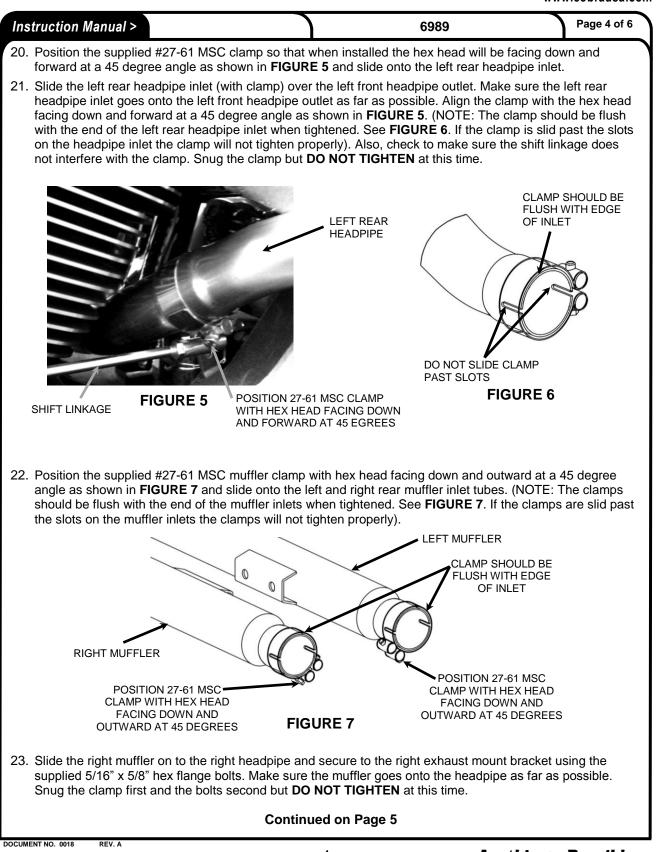








8 23801 E. La Palma Ave., Yorba Linda, Ca 92887 Ph. 714.692.8180, Fax. 714.692.5016





Instruction Manual >		6989	Page 5 of 6
24. Install the left muffler in the sam headpipe as far as possible. Sn			
25. Make sure the left and right hear sure the left front and left rear h rear frame. From the rear of the other. When all the pipes are ali (slowly tightening opposing nuts finally the muffler clamps. (NOT tightened. See FIGURE 7 . If the not tighten properly).	eadpipes have the proper c motorcycle make sure the gned tighten in the followin), mufflers to the exhaust n E: The muffler clamps shou	learance between the rea muffler outlets are flush ar g order; headpipe flanges hount bracket, left rear hea Ild be flush with the end of	r cylinder fins and the nd level with each to the cylinders adpipe clamp, and f the muffler inlet when
26. Plug the O_2 sensors back into m	notorcycle wire harnesses.		
27. Unscrew the HS-28 and HS-24 the heatshields. The larger clam to the headpipe heatshields. Se heatshields. (NOTE: The arrows clamps should be accessible for help hide the clamps on the mu outward at a 45 degree angle.)	hps (HS-28) go on the muffl e FIGURE 8 and FIGURE 9 s point to the positioning of r tightening but not visible w	er heatshields. The smalle for proper positioning of the hex head of the clamp /hen heatshields are mour	er clamps (HS-24) go the clamps on the s. The hex head of the nted to the pipes. To
28. Install the right headpipe heatsh Slide the rear portion of the muf muffler heatshield underneath the apart slightly to make it easier to does not interfere with the heats	fler heatshield forward over ne rear of the right headpip o slide them over the muffle	the muffler while gently p e heatshield. (NOTE: Spre r and headpipes.) Make s	ushing the front of the ad the hose clamps
29. Slowly snug the heatshield clam the muffler heatshield. Leave th as necessary. The ends of the r Also be sure to rotate the muffle are flush. (NOTE: The muffler m muffler heatshield with the head	e clamps loose enough to r nuffler heatshield and head er heatshield around the mu nay have to be adjusted up	nake adjustments to the h pipe heatshield should be ffler so that the inner edge	eatshields positioning flush with each other. es of the heatshields
 Align the tapped holes in the sid the heatshield. (NOTE: If it is dir heatshield. Failure to do this ma button head screws making sur 	ficult to slide the tip into the ty cause damage to the tips	e heatshield loosen the cla s.) Fasten the tip with (2) o	mps on the muffler of the supplied ¼-20
31. Check to make sure the fishtail heatshield are flush. When the l hide the clamps on the muffler h outward at a 45 degree angle.)	neatshields are aligned prop	perly, tighten the hose clar	mps. (NOTE: To help
 Install the left front headpipe he between the rear cylinder fins a heatshield clamps. 			
 Install the left rear headpipe heatshields. Make sure they are FIGURE 9. 			
34. Rotate the right floor board mou	nt back into position and tig	phten the bolts to factory s	pecifications.
35. Install the right floorboard back	onto the mount.		
36. Install the battery and the seat.			
 Make sure all the hardware (bra appropriately. 	ckets, headpipes, heatshie	lds, clamps, and tips) has	been tightened
	Continued on Pa	age 6	



