

INSTALLATION INSTRUCTIONS

BULL DAWGS FOR 2004-UP HARLEY SPORTSTERS Model XL3-601



WARNING PLEASE READ BEFORE INSTALLATION!

- Read all instructions thoroughly and confirm that all listed components are available for installation.
- Adding a free flowing exhaust systems may require rejetting of the carburetor. Lean carburetor settings are a major factor causing exhaust discoloration and potential engine damage.
- Samson® exhaust systems are designed to fit and work with OEM frames and motors.
- After installation thoroughly clean the new exhaust system before starting the motor.

REMOVAL PROCEDURE:

- Loosen heat shield clamps and remove the four flange nuts securing the exhaust to the cylinder heads.
- Remove the bolts holding the mufflers to the mounting / crossover bracket and remove the system from the motorcycle.
- Remove the drive pulley cover and the stock mounting / crossover bracket from the engine case. This bracket will not be used with the new pipes..
- To remove the flanges from old exhaust pipes remove the snap ring from the exhaust and slide the flange off the pipe. (Note: the snap rings may be lodged in the groove in the flange. Carefully pry the snap ring from the flange.)
- We recommend replacement with Genuine James thick gaskets. Samson® part # A-144.

CAUTION: WITH SOME EXHAUST DESIGNS

GROUND CLEARANCE MAY REDUCED!

INSTALLATION PROCEDURE:

1. Install the new mounting bracket, using the stock

TOOLS REQUIRED:

- 5/16" Combination wrench
- 1/2" Combination wrench
- Ratchet, 6" extension and 1/2" swivel socket
- 5mm Allen wrench

PARTS LIST:

Qty.	Description
2	5/16" Flat washers
2	Barrel clamps
2	5/16-18" Nylock nuts
2	5/16-18 X 3/4" Carriage bolts
6	#24 Hose Clamps
1	Mounting bracket

mounting bolts, to the engine case and reinstall the drive pulley cover.

2. The slots in the bracket will be facing the rear of the bike. Loosely install the 5/16 x 3/4" carriage bolts in the upper & lower slots of the mounting bracket using a 5/16 flat washer and 5/16" nylock nut on the back side of the bracket.

3. Loosely install front and rear heat shields on head pipes using the hose clamps provided in kit (Do not fully tighten at this time)

4. Install the flange and snap ring on the front and rear pipes.

5. Loosely attach the front pipe to the front cylinder using (2) 1/2" flange nuts.

6. Attach the muffler to the front pipe and mounting bracket using the Barrel clamp. (Note: install the clamp on the muffler before slipping it on the head pipe, if you intend to run baffles they should be installed before installing muffler on the bike). Slip the muffler onto the head pipe and lower carriage bolt on the mounting bracket at the same time.

7. Install the rear pipe and muffler using the same procedure, use the top carriage bolt in the mounting bracket for the rear muffler.

8. Tighten each bolt a little at a time starting at the flanges, work the back and check the alignment often. Tightening each bolt a little at a going back and forth, front to rear, to insure proper fit.

9. Reinstall O2 sensors on Front and Rear Pipes.

Remember To Clean The Pipes Before Starting The Bike!

