

INSTALLATION INSTRUCTIONS

2 INTO 1 CALIBER POWERFLOW FOR 2007 - UP HARLEY SPORTSTERS Model C2-231



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.)
- Do not remove the exhaust gaskets unless you intend to replace them. 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 mounting bolts, to the engine case and reinstall the drive pulley cover.
2. Loosely install the 5/16 x 3/4" carriage bolts in the slot on the mounting bracket using a 5/16 flat washer and 5/16" nylock nut on the back side of the bracket.
3. Install the flange and snap ring on the front and rear head pipes.
4. Hold the pipe up to the bike, generally it is necessary to manipulate the pipe around the barrels while gently spreading the pipes to slip into the ports on the heads. Loosely install the stock flange nuts.
5. Loosely install front and rear heat shields on head pipes using the # 24 hose clamps provided in kit (Do not fully tighten at this time)
6. Tighten each bolt a little at a time starting at the flanges, work towards 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.
7. Install baffle, use the 1/4-20 button head bolt. Install the end cap using #10-32 button head bolt.
8. Reinstall O2 Sensors in the front and rear head pipes. If you do not wish to operate this system with the factory O2 Sensors you will need to consult your local dealer for tuning options as operation without these Sensors can result in engine damage. The Sensor thread size is 18mm x 1.5 pitch.
9. Carefully start tightening the exhaust flanges first to insure proper seating of the exhaust. Note that the pipes will move away or towards the engine or primary as the flange nuts are tightened. Next start to tighten the pipe to the transmission bracket and then tighten at the bag mounting bracket. Tighten the muffler clamp. Continue to work from front to back making alignment adjustments as point is made tighter.

Remember To Clean The Pipes Before Starting The Bike!

TOOLS REQUIRED:

- 5/16" Combination wrench
- 1/4" Combination wrench
- Ratchet, 6" extension and 1/2" swivel socket

PARTS LIST:

Qty.	Description
1	Mounting bracket
1	5/16" Flat washer
1	5/16"-18 Nylock nut (Thick)
1	5/16-18" x 3/4" Carriage bolt
1	1/4" -20 x 1/2" Button head bolt
1	# 10-32 x 3/8" Button head bolt
6	#24 Hose clamps
1	Baffle
1	End cap

