

# INSTALLATION INSTRUCTIONS

## EXTREME SERIES "ZOOMIES" FOR 1986 - PRESENT SOFTAIL MODELS Model E2-102



### 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:

- Remove all existing heat shields. Remove the clamp on the crossover pipe, if so equipped.
- Remove the four flange nuts securing the exhaust to the cylinder heads.
- Remove the bolts holding the front and rear pipes to the exhaust mounting bracket.
- Remove the two bolts holding the mounting bracket to the frame. The mounting bracket is not needed to install this set of Samson® 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.)

*Caution: With Some Exhaust Designs,  
Ground Clearance May Be Reduced !*

**Remember To Clean The Pipes**

### TOOLS REQUIRED:

- 1/2" combination wrench
- 1/2" combination wrench
- ratchet, 6" extension and 1/2" swivel socket

### parts list;

- 1ea 5/16 x 1/2 hex bolt
- 1 ea. 5/16 flat washer

### INSTALLATION PROCEDURE:

**Note: Do not tighten connections when first installing the system. To ensure proper fit and alignment all bolts and bracket are tightened at the end of the installation.**

1. Install the flange and snap ring on the front and rear pipes.
2. Attach the front pipe to the front cylinder using two stock 1/2" flange nuts.
3. Install the rear pipe to the rear cylinder using two stock 1/2" flange nuts.
4. Tighten each bolt a little at a time checking the alignment often. Tightening each bolt a little at a time going back and forth will insure a proper fit.
5. install bracket on the front and rear pipes.  
re install O2 sensors on front and rear pipes.

**RETIGHTEN ALL HARDWARE AFTER 100 MI.**

