

INSTALLATION INSTRUCTIONS

EXTREME SERIES "BONE SHAKERS" FOR 1986 - PRESENT SOFTAIL MODELS Model E2-101



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
Before Starting The Bike !**

TOOLS REQUIRED:

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

parts list;

- 2ea. 5/16x2/5" hex bold
- 2ea. 5/16 flat washer
- 1ea. strap bracket

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 the strap bracket on the front and rear pipes
re-install O2 sensors on front and rear pipes

RETIGHTEN ALL HARDWARE AFTER 100 MI.

