

# SAMSON

**MOTORCYCLE PRODUCTS, INC.**

## INSTALLATION INSTRUCTIONS

### LEGEND SERIES SHOTGUN LONGTAILS FOR 1986 & Up HARLEY SOFTAILS Model S2-910

#### **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.)
- Your pipes, removable baffles, and heat shields will arrive assembled. In order to remove the baffle you will need to remove the heat shields.

**CAUTION: WITH SOME EXHAUST DESIGNS  
GROUND CLEARANCE MAY BE REDUCED!**

#### **TOOLS REQUIRED:**

- 1/2" Combination wrench
- 9/16" Combination wrench

#### **PARTS LIST:**

Qty.	Description
1 ea	3/8" x 3/4" Hex head bolt
1 ea	3/8" Flat washer
1 ea	3/8-16 X 2--1/2" Allen head bolt
6 ea	# 24 Hose Clamps *
2 ea	1/4-20 Allen head bolts *
2 ea	SP04-20 Removable baffle *

\* Installed in head pipe assembly

#### **INSTALLATION PROCEDURE:**

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

- Install the flange and snap rings on the front and rear exhaust pipes.
- Position the front pipe at the exhaust port and loosely tighten the pipe to the engine using the stock flange nuts. Insert the 3/8" X 3/4" hex head bolt through the bottom mounting tab and loosely thread into the frame bracket mounting location.
- Position the rear pipe and loosely attach it to the rear cylinder with the stock flange nuts. Using the 3/8-16 x 2-1/2" Allen head bolt and the 3/8" washer loosely connect the pipe to the rear footpeg mounting location.
- Tighten each bolt a little at a time starting at the flanges, work toward the back and check the alignment often. Tightening each bolt a little at a time going back and forth, front to rear, to insure a proper fit.
- 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.

***CHECK ALL MOUNTING POINTS AFTER 100 MILES!!***

