

# SAMSON

MOTORCYCLE PRODUCTS, INC.

## INSTALLATION INSTRUCTIONS

### LEGEND SERIES CANNONS FOR 1986 2003 HARLEY SPORTSTERS Model XL1-901

#### **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.
- 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.

#### **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 new mounting bracket, using the stock mounting bolts to the frame.
- slide the pipes into the heat shields, slide the hose clamps through the clips attached to the heat shields, leave loose at this time.
- Slide the exhaust flanges over the new pipes and install the snap rings. Hold front pipe assembly in place and loosely install the flange nuts. Attach the rear of the front pipe assembly to the mounting brackets bottom slot, using a 5/16-18 x 3/4" carriage bolt, 5/16-18 flat washer, and 5/16-18 nylock nut. Loosely install the rear pipe assembly with the same procedure, using the top slot on the mounting bracket.
- Adjust pipes as necessary to insure that they are straight and parallel. Tighten all bolts a little at a time. You will notice that as you tighten each nut, the pipe will move one way or another, use this method to maintain pipe alignment.
- install O2 Sensors plugs in the front and rear head pipes.

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

#### **TOOLS REQUIRED:**

- 1/2" Combination wrench
- 5/16" Combination wrench
- 9/16" Combination wrench
- 1/2" Combination wrench
- Ratchet, 6" extension and 1/2" swivel socket

#### **PARTS LIST:**

Qty.	Description
2 ea	5/16 -18 X 3/4" Carriage bolts
2 ea	5/16 -18 Nylock nuts (Thick)
2 ea	5/16" Flat washers
5 ea	# 24 Hose clamps *
1 ea	SP06-114 Mounting Bracket
2 ea	1/4-20 Allen head bolts *
2 ea	SP04-20 Baffle *

\* Installed in head pipe assembly

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

