

INSTALLATION INSTRUCTIONS

“LEGENG SERIES” STREET SWEEPERS

FOR 04 - 09 YAMAHA V-STAR 1100 MODELS
Model 220-959

SHÖGUN EXHAUST

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 or re-mapping air/fuel mixtures on fuel injected motors. Lean air/fuel 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 stock head pipes, mufflers and Stock Mounting Bracket.
- The stock flange nuts and the stock mounting bracket bolts will be re-used for this installation.
- Remove rear exhaust manifold from cylinder, it will not be used with this pipe set.

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

**Remember To Clean The Pipes
Before Starting The Bike !**

TOOLS REQUIRED:

- 5/16” combination wrench
- 9/16” combination wrench
- 1/2” combination wrench
- ratchet, 6” extension and 1/2” swivel socket
- Assorted metric combination wrenches and sockets

PARTS LIST:

Qty.	Description
1ea.	SP06-77 Mounting Bracket
6ea.	#24 Hose clamp
2ea.	5/16 Nylock nut THICK
2ea.	5/16” Flat washer
2ea.	5/16”-18x3/4” Carriage bolt
2ea.	1/4-20 bolt

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 both pipes onto head using the stock nuts.
2. **Do not fully tighten at this time.**
3. Install the mounting bracket on the frame, using the stock mounting bracket bolts. The slots in the bracket will be at the rear of the bike. Loosely install the 5/16” Carriage bolts into the upper and lower slotted holes in the bracket. Attach the 5/16” flat washers and 5/16” Nylock **thick** nuts on the tire side of the bracket **Do not fully tighten at this time.**
4. Loosely attach the front pipe to the exhaust port using the stack flange nuts.
5. Follow the same mounting procedure for the rear pipe.
6. **Tighten each bolt a little at a time starting at the flanges and work to the back. Tighten each point moving from the front of each pipe to the back, and back to front for a proper fit alignment. Check alignment often to insure proper fit.**

RETIGHTEN ALL HARDWARE AFTER 100 MI.

