

INSTALLATION INSTRUCTIONS

WARLORD™ CANNONS

FOR 2001 - PRESENT HONDA VTX and VTXR MODELS
Model 110-101

SHOGUN 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.**
- Shōgun ® 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.

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.

**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.	SP06-37 Mounting Bracket
2ea.	1 7/8" Barrel Clamps
2ea.	5/16" x 3/4" Carriage Bolts
2ea.	5/16" Nylock Nuts (thin)
2ea.	5/16" Flat Washer
2ea.	1/4"-20 x 2-3/4" Hex Head Cap Screw
2ea.	1/4"-20 Nylock Nuts
1ea.	3/8"-18 x 1-3/4" Hex Head Bolt
1ea.	3/8"-18 Nylock Nut
1ea.	12m x 1.25 x 1/2" Hex Head Bolt
1ea.	9/16" x 1" Chrome Spacer
2ea.	5/8" x 7/16" Chrome Spacers
6ea.	# 24 Hose Clamps
2ea.	12m x 1.25 x 1/2" Hex Head Bolts (used for O2 Sensor nut on pipe)

1. Loosely install front and rear heat shields on head pipes using the hose clamps provided in kit. **Do not fully tighten at this time.** *On models without O2 sensors, insert the 12m x 1/2" bolt into the nut welded to the front and rear pipes.*
2. Install the mounting bracket on the frame, using the stock bottom bolt and a 9/16" x 1" spacer between the frame and the bracket. Use the 3/8" x 1 3/4" bolt with a 3/8" Nylock nut and flat washer on the top mounting hole in the frame. Mount the regulator on the tire side of the mounting bracket using the two 1/4" x 2 3/4" cap screws with 1/4" Nylock nuts. Position the 5/8" x 7/16" Chrome Spacers between the bracket and the regulator. Loosely install the carriage bolts in the upper and lower slots of the mounting bracket, using the 5/16" flat washer and 5/16" **thin** Nylock nuts on the tire side of the bracket.
3. Loosely attach the front pipe to the front exhaust port using the stock nuts and washer.
4. Attach a slip-on tip to the end of the front pipe, using a Barrel clamp. *NOTE: Install the clamp on the tip before slipping it on the head pipe. If baffles are to be used, they should be installed before installing the slip-on tip on to the head pipe.* Slip the tip on the head pipe and the lower carriage bolt on the mounting bracket **at the same time.**
5. Install the rear pipe and tip using the same procedure. Use the top carriage bolt in the mounting bracket for the rear tip.
6. **Tighten each bolt a little at a time** starting at the flanges and work to the back. **Check alignment often to insure proper fit.**
7. On models with O2 sensors, install the sensors by first twisting the sensor counter clockwise (to prevent damaging the sensor wires), so that the sensor may be tightened into the Sensor nuts welded to each pipe.

RETIGHTEN ALL HARDWARE AFTER 100 MI.

