

INSTALLATION INSTRUCTIONS

**SAMSON® CHOLO True Duals 4" LONGTAILS
FOR 2010 HARLEY FLH MODELS
Model FL2-142**



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 the muffler clamps holding the mufflers to the head pipes.
- Remove the bolts holding the mufflers to the mounting brackets.
- Remove the mufflers by pulling and twisting toward the rear of the bike. Use caution not to damage the head pipes.
- Remove heat shields from header pipes, remove flange nuts at exhaust ports, loosen and remove the clamps located under the transmission cover and behind the rear cylinder. Remove both header pipes.
- Remove snap rings and flanges from both pipes for re-use.

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.

- Install the stock flanges and snap rings on both pipes.

- Install the rear pipe first by loosely attaching the flange to the exhaust port.
- Using a 1-7/8" barrel clamp, slide clamp over front of muffler. Slide the muffler over the end of the head pipe with the muffler clamp in place. Loosely secure the muffler to the bag mounting bracket using the 5/16-18 x 1-1/2" hex head bolts, the 3/4" spacers, and 5/16 lock washers.
- Install the front pipe by loosely attaching the flange at the exhaust port. Slide the 1-3/4" side clamp over front pipe. Using a 5/16" -18X 1" hex head bolt, 5/16" flat washer and 5/16" nylock nut, secure to the stock pipe support bracket.
- Install the right muffler to the front head pipe, using the same procedure as done on the rear/left pipe.
- Loosely install front and rear heat shields on head pipes using the # 24 hose clamps provided in kit.
- 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.
- Carefully start tightening the exhaust flanges first to insure proper seating of the exhaust. Note that the pipes will move away or towards the engine or primary as the flange nuts are tightened.
- Next start to tighten the pipe to the pipe support bracket, and then tighten at the bag mounting brackets of both sides. Tighten the muffler clamps. Continue to work from front to back making alignment adjustments as each point is made tighter.

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

TOOLS REQUIRED:

- 1/2" Combination wrench
- 1/4" Allen wrench
- Ratchet, 1/2" and 5/16" socket
- 3/16" Allen wrench
- 1/4" Allen wrench

PARTS LIST:

Qty.	Description
1	5/16-18 flat washers
1	5/16-18 nylock nuts
1	5/16-18 X 1" hex head bolts
1	1-3/4" side clamp
2	1-7/8" barrel clamps
4	5/16-18 x 1-1/2" hex head bolts
4	5/16 lock washers
8	# 24 hose clamps

CHECK ALL MOUNTING POINTS AFTER 100 MILES!!