

INSTALLATION INSTRUCTIONS

2 INTO 1 CALIBER COLLECTOR For 1986 - 2006 HARLEY SOFTTAILS Model C-710



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.)
- Do not remove the exhaust gaskets unless you intend to replace them. We recommend replacement with Genuine James thick gaskets. Samson® part # A-144.

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

TOOLS REQUIRED:

- 5/16" Combination wrench
- 1/4" Combination wrench
- Ratchet, 6" extension and 1/2" swivel socket

PARTS LIST:

Qty.	Description
1	Mounting bracket
1	5/16" Flat washer
1	5/16"-18 Nylock nut (Thick)
1	5/16-18" x 3/4" Carriage bolt
1	1/4" -20 x 1/2" Button head bolt
1	# 10-32 x 3/8" Button head bolt
6	#24 Hose clamps
2	#44 Hose clamps
1	1-3/4" Veriteck baffle
1	2" Veriteck baffle
1	Caliber 3" end cap
2	3/8-16 x 3/4" Hex head bolts

INSTALLATION PROCEDURE:

1. Install the new mounting bracket, using the 3/8-16 x 3/4" Hex head bolts.
2. Loosely install the 5/16 x 3/4" carriage bolts in the slot on the mounting bracket using a 5/16 flat washer and 5/16" nylock nut on the back side of the bracket.
3. Install the flange and snap ring on the front and rear head pipes.
4. Hold the pipe up to the bike, generally it is necessary to manipulate the pipe around the barrels while gently spreading the pipes to slip into the ports on the heads. Loosely install the stock flange nuts.
5. Loosely install front and rear heat shields on head pipes using the # 24 hose clamps provided in kit (Do not fully tighten at this time)
6. Tighten each bolt a little at a time starting at the flanges, work towards the back and check the alignment often. Tightening each bolt a little at a going back and forth, front to rear, to insure proper fit.
7. Install the collector heat shield using the two #44 hose clamps. Align the three heat shields with a 1/32" gap between the front and rear shields.
8. Install baffle, use the 1/4-20 button head bolt. (Note: Use the 1-3/4" baffle on stock bike for the best performance.) Install the end cap using #10-32 button head bolt.

Remember To Clean The Pipes Before Starting The Bike!

