

Love Jugs

Cool Master Fan Installation

Story by **Jason Mook** – Photos by **Jesse B. Nelson**

Air Cooled V-twin engines have always battled against overheating. The air-cooled design requires air flowing around it in order to maintain a decent operating temperature. An engine in a motorcycle that is traveling at highway speeds, receives the necessary air to keep it cool and running properly. When that same motor gets stopped in traffic and has to sit stationary, engine temperatures can rise and create a dangerous situation for your V-twin. Although improvements such as increased oil capacity, larger cooling fin surface area and the EITMS (Engine Idle Temperature Management System) have helped the problem, an air-cooled motor needs air flowing on it to keep the temperature down. Love Jugs Cool Master Cooling System keep air flowing around the engine when it is stopped with two high powered fans, one for each cylinder. Whether the bike is stationary or moving, stay cool simply with the touch of a button.

Difficulty Level: 1/5 **Estimated Time to Complete:** 0.75 hours



The Love Jugs Cool Master in flat black, with Vibration Master optional installation kit.



The 2014 Street Glide ready for the Love Jugs installation and cooler operating temperatures.

Tool & Supplies Needed

- SAE Wrench Set
- 1/4" Ratchet Wrench with Extensions
- SAE Socket Set
- Phillips Screwdriver
- 10mm Wrench
- Vise Grip Pliers
- Wire Cutters
- Crimpers
- Thread Locker (blue)
- Optional – for 2014 – later touring models, adaptor OEM# 69200722



1 Use a 1/2" deep well socket to remove the acorn nut holding the horn bracket to the vibration isolator.



2 When removing the horn bracket from the isolator, turn it over to unplug the positive and negative wires for the horn.



3 The horn and bracket can now be set to the side.



4 Use Vise-Grips or Channel-Lock pliers to remove the stock vibration isolator from the top motor bracket. This is usually difficult due to the thread locker used at the factory. It is okay if you destroy it during removal, it will not be reused.

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Starting with assembly, install one 5/16" bolt and lock washer through the polished stainless steel Vibration Master bracket followed by one of the 1/4" thick included rubber washers.



Install the two included thick vibration isolators in the bracket with lock washers and nuts. Blue thread locker is recommended.



Use a 1/2" socket to install the assembled Vibration Master bracket on to the top motor bracket. Apply blue thread locker to the bolt prior to installation.



With a 3/8" socket, remove the two bolts holding the horn cover to the horn bracket.



Position the included stainless steel insert in the stock horn bracket.



Install the included hardware through the Cool Master bracket, into the insert and stock horn bracket.



Position the stock horn cover on the bracket.



Use a 7/16" socket to tighten down the hardware. Include the stock wiring guide as shown.



Insert the non-polished bracket in the polished stainless steel outer cover.



Install an included 5/16" bolt and lock washer through the bracket and cover from the inside.

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15 Thread the second 1/4" rubber washer over the bolt.



16 Install the polished cover, bracket and hardware on the stock horn bracket. Use the included acorn nut and washer to tighten.



17 Position the Cool Master assembly over the two vibration isolators previously installed on the top motor bracket.



18 Use the included acorn nuts and washers on the studs of the vibration isolators. With a 1/2" deep well socket, tighten down the hardware.



19 Reconnect the stock horn wiring.



20 Remove the seat to access the battery. Carefully route the wiring from the Love Jugs to the battery compartment. Ensure the wiring is clear of any components that could get hot and burn a wire.



21 We elected to connect the Cool Master directly to the battery of the 2014 Street Glide. To do so, cut the accessory port plug from the Love Jugs' wiring harness.



22 Strip 1/4" of insulation from the positive and negative wires.

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23 Crimp the black terminal to the negative wire.



24 Install the in-line fuse to the positive (red) wire, and crimp the red terminal to the wiring from the fuse.



25 Install the red terminal to the positive of the battery and the black to the negative side.



26 Reinstall the seat on the motorcycle.



AFTER

LOVE JUGS

*The Cool Master,
Flat Black*

(Part # CMBKF)

The Vibration Master

(Part # VM-1)

Email - info@Love-Jugs.com
www.LoveJugs.com

BLACK HILLS CYCLES

- Work Performed By -

605.717.5009
www.BlackHillsCycles.com

The 2014 Street Glide with Love Jugs Cool Master system installed.