

CE-608 Three Phase 50 Amp Regulator

Cycle Electric Inc.

Charging Systems
for American V-Twins
Top Quality Made In U.S.A

Installation Instructions: CE-608

The CE-608 regulator is designed for use on 2009-2013 FLH-FLT with the stock oil cooler.

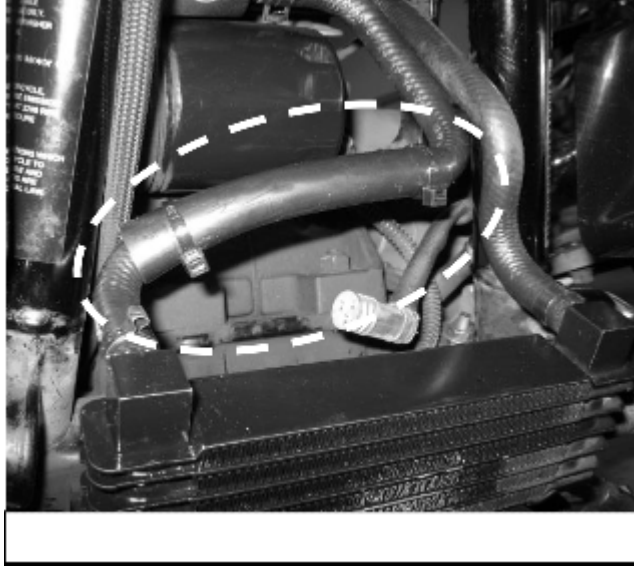
Package Contents

- 1x CE-608 regulator w/ plug clips
- 2x $\frac{3}{4}$ long, $\frac{1}{4}$ - 20 bolts
- 2x steel washers
- 2x rubber washers
- 1x 4 $\frac{3}{4}$ " plastic tube w/ slit
- 2x zip ties

Remove Old Regulator

- 1) Remove the oil cooler cover. Remove the two Button head TORX screws located below the oil cooler. This will allow the oil cooler to shift out of the way allowing access to the regulator mounting bolts. **Leave the oil lines connected.**
- 2) Remove the two- $\frac{1}{4}$ 20 nuts that hold the old regulator on.
- 3) Lift the old regulator off the mounting studs and tilt it forward to access the wire connections.
- 4) Remove the locking clips and disconnect the stator and battery plugs.

Install New Regulator



- 1) Reattach the oil cooler with the two button head torx bolts removed in step 1 above. Leave the cover off.
- 2) Remove the 4 $\frac{3}{4}$ long, $\frac{3}{4}$ ID black tube from the hardware package that came with the new regulator. Locate the oil line that connects to the front port on the oil filter plate. Use two fingers to open the slit in the supplied black tube then slip it over the oil line on the section that runs left to right. See Photo 1 for orientation. This will straighten the slight downward bend in the oil line. Secure the tube with two zip ties supplied about one inch from each end. (Photo 2, below) This tube will allow the oil cooler line that went over the stock regulator to now run underneath the re-located CE-608 regulator. The tube will also prevent chafing during any contact with the wires.

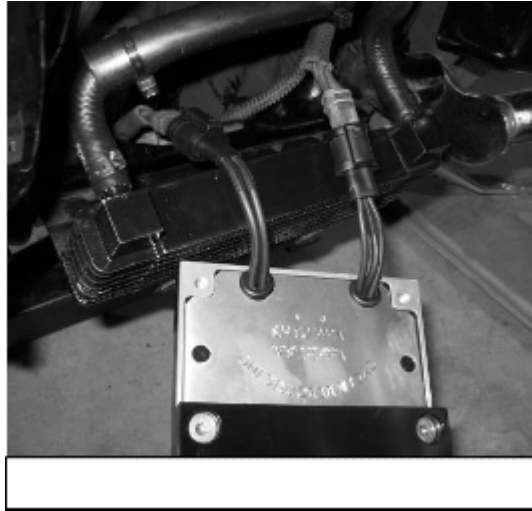
Photo 1- Installing tube over oil line

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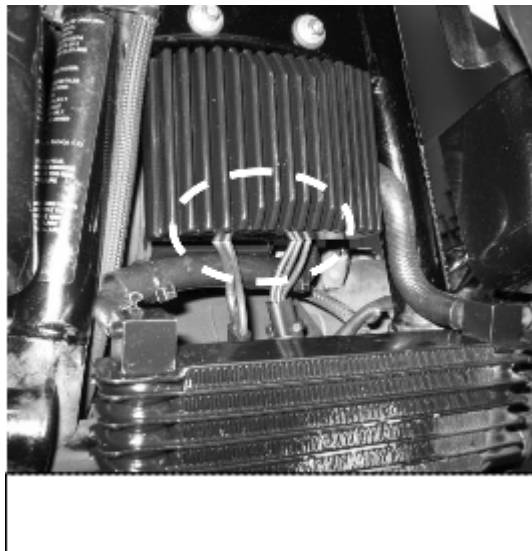
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- 3) Remove the retaining clips from the stator and battery connectors on the new regulator. Save them for reassembly
- 4) Connect the stator and battery plugs with wires routed in front of the oil line covered with plastic tube. (Photo 2, right) The wires should not contact the raw rubber hose, but may rest on the plastic tube.
- 5) The new regulator will attach to the back side of the cross bracket located about half way down the front frame tubes. Position the regulator so the $\frac{1}{4}$ -20 mounting holes line up behind the holes in the cross bracket. Using the $\frac{1}{4}$ -20x $\frac{3}{4}$ allen head cap screws supplied, install a flat washer then a rubber washer on each bolt. Install one bolt in each hole and tighten. (Photo 2, right) The wires should not contact the bare rubber hose, but may rest on the plastic tube.
- 6) Reinstall oil cooler cover.
- 7) Start the motor and check battery voltage. Battery voltage should run 14 to 14.6 volts.

Photo 2- Connect plugs and install clips

Photo 3- CE-608 installed on frame cross member. Wires contact installed tube only.



Have A Good Ride!!