

Cycle Electric Inc.

Installation Instructions

CE-82T

The CE-82T is a three phase charging system designed to fit all 2007 Dyna models as a direct replacement for stock. Will fit 2006 Dyna models as an upgrade.

These are generalized instructions and are not intended to be all-inclusive. For more detail see a service manual on your model.

Alternator Removal

- 1) Disconnect negative battery terminal.
- 2) Drain primary case oil.
- 3) Remove outer primary cover.
- 4) Consult appropriate service manual and remove compensator sprocket.
- 5) Remove rotor.
- 6) Unplug regulator from stator and remove plastic plug receptacle from stator side. Use a small needle nose pliers to remove the orange lock clip from inside the plug. Then use a same small screwdriver to release the locking tab and remove each wire from the plug receptacle one at a time. Save plastic plug receptacle for reassembly.
- 7) Remove 4 stator-mounting screws. From the out side of the case, push the protruding lip of the stator wire grommet into the engine case using a small flat blade screw dver. Pull the wires through the case while removing the stator.

Alternator Installation

- 2) Mount stator to engine case with new mounting screws (supplied). Screws have thread-locking compound already applied. Torque screws to 30-40 in-lbs.
- 3) Install stator wires into plug housing. Insert wires in hole #1 #2 and #3. It dose not matter which wire goes in which hole. Push in until terminal snaps in. after all three wires are fully inserted install the orange locking clip.
- 4) Install rotor slowly. Take care not to let the magnets hit the stator. Do not let the rotor snap in to place or magnet damage may occur.
- 9) Install outer primary and other parts removed.
Note: Don't forget to add oil on wet clutch models.

Remove Old Regulator

- 1) Unplug both regulator plugs
- 2) Unbolt two ¼-20 Allen screws and remove regulator.

Install New Regulator

- 1) Mount new regulator. Reuse Allen screws.
- 2) Reconnect both regulator plugs
- 3) Start motor. Test battery voltage. Voltage should run 14.2 to 14.6.