TEST WFCO CONVERTER FOR ABILITY TO SUPPLY RATED LOAD

Disconnect the batteries

Turn off as much 12 volt load as possible

Monitor the voltage at the blue wire and DC negative (battery negative)

The voltage at no load really should be close to 13.8VDC measured with a good quality voltmeter

Turn on 12 volt light bulbs one at the time

See how many bulbs will illuminate until the voltage drops below 12.5volts

Each incandescent lamp (bulb) will draw about 1.5 amperes

Total that amp load. If the voltage drops below 12.5 with significantly less than a total of 55 ampere load, the converter section would be considered defective and would require replacement.

Unfortunately, without a DC ammeter capable of reading 55-60 DC amperes to use in conjunction with the voltmeter, you cannot know with absolute certainty the converter is defective.

However the test above works very well most of the time.