



Quality aircraft since 1974

NOTIFICATION – JAN 07 2020

Issue Date

January 07 2020, Rev. 1

Subject/Purpose

Electrical systems for aircraft with engines that must have continuous power to operate.

Affected Models:

All CH aircraft designs equipped with engines that require continuous electrical power to operate.

Compliance Time:

As required.

Operator/Owner Safety Recommendation:

Verify the alternator/generator is charging the system during engine run-up before take-off and periodically in flight.

Install a light (and optionally a buzzer) that activates if charging system is not working. Make this part of the run-up test in conjunction with the ammeter. If you do not have a way of knowing that the battery is being continuously charged, know how long the engine can run with a stand-alone battery. Remember that any electrically powered items (such as lighting, instruments, radios, etc.) will reduce the time the engine will be able to run.

Some EFIS/EMS systems are capable of warning if the battery is not being continuously charged. Contact your EFIS/EMS manufacturer (such as Dynon, MGL, Garmin, etc.) to see if your system is equipped with this feature and for proper installation instructions.

Use a trickle charger when airplane is stored in a hanger. Ensure the aircraft battery is completely charged before each flight. Some batteries (such as the Odyssey) requires a significant amount of power to charge so contact the battery manufacturer regarding trickle charging procedure and type of charging unit required.

Inspect the electrical wiring and terminal ends to verify that they are tightly installed, with no possibility of coming apart. Remember using the proper terminal crimping tool while installing wiring is very important. See <http://www.homebuilthelp.com/wiring101.htm> and FAA AC43-13 for more information on the installation of electrical wiring.

Remember to check www.newplane.com for all the latest service documentation.

For additional information contact Zenair Ltd.

ZENAIR LTD, HURONIA AIRPORT, MIDLAND, ONTARIO, CANADA L4R 4K8

TEL:(705) 526-2871 - FAX:(705)526-8022