

SUBJECT: BATTERY/ALTERNATOR MASTER SWITCH

APPLICATION: Service Bulletin 10 applies to Glasair electrical system kits.

DESCRIPTION: The battery/alternator master switch supplied with your electrical system kit allows you to turn off the alternator and the battery separately. Switching off the battery while the engine is running, without first shutting down the alternator, removes the load from the alternator which could result in damage to the regulator and other electrical equipment.


CAUTION: The old battery/alternator switch can be used, but only if placarded clearly on the instrument panel to specify the above conditions. A suggested wording of the placard is, "CAUTION! Alternator must be off when battery is off."

SOLUTION: Alternatively, Stoddard-Hamilton has available a new type switch which allows switching off the alternator and the battery simultaneously or switching off the alternator only. The new switch will not allow the battery to be switched off without switching off the alternator.

The ability to switch off the alternator without switching off the battery is necessary in the event of an electrical malfunction or overvoltage situation during flight. Switching off the alternator allows the flight to be continued on the battery alone, without the risk of damaging expensive avionics equipment or overheating the battery.

WARNING: If an alternator malfunction (such as an overvoltage situation) occurs during flight, switch off the alternator and all non-essential electrical equipment and land at the nearest available airport to remedy the problem. Especially if electrical equipment is essential for safety, such as at night or in IFR conditions, do not rely on the battery alone for more than the minimum time necessary to make a safe landing.

Please be sure to follow the proper wiring instructions outlined for the alternator you are using.

 STODDARD-HAMILTON AIRCRAFT, INCORPORATED					
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