

CYCLONE AX3 - SERVICE BULLETIN

BULLETIN No: 4 - Issue 1 ISSUE DATE: 20.4.93

SUBJECT: Magneto Switches AFFECTED MODELS: All AX3's

SERIAL No.s CA001 - CA002 - CA/C2083047 to 51
CA/C2103068 to 73

COMPLIANCE: Recommended

SITUATION: Two owners have had problems with the magneto switches fitted to the dual ignition circuits of the AX3. The switches have mechanically failed either in the on or off position. On investigation it was found that a plunger inside the switches had broken.

During tests carried out by ourselves on switches from the same batch, we found that the switches became progressively stiffer to operate with increasing operating cycles. Although we were unable to produce a failure, we believe that if a switch becomes stiff then it may be prone to failure.

The manufacturer of the switch was informed of the problem. At the time they had had no other problems reported, later we were informed that another customer of theirs had reported the same problem with switches from the same production batch. They have since found that some switches may have had lubrication missed from a small internal plunger. The problem switches were made between June 1992 and February 1993.

As we have been using the same switch in our carburettor heater kits and Chaser S aircraft since 1986 with complete success, we believe that the problem is limited to those switches mentioned.

If your magneto switches become at all stiff to operate, we urge you to contact Cyclone Airsports or your dealer for replacements. The switches are easily removed by unscrewing the locking ring around the toggle. The wires are connected to the switch using spade connectors. Enter that the procedure has been completed in your airframe log and get your inspector to sign it off.

If the aircraft has less than 100 hours, then the replacements will be issued free of charge (send a copy of your log for substantiation).

Should you have any problems, please take the aircraft to your dealer or to Cyclone Airsports Ltd.

W H Sherlock.
Director and Chief Executive.

Circulation: Cyclone AX3 owners. BMAA Chief Inspector. CAA x 2
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