

Service Bulletin

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SUBJECT Stator Bolt Failure.

CLASSIFICATION ConAir Sports Ltd consider that compliance with this bulletin is mandatory.

ENGINES AFFECTED Cors-Air M21Y, all serial numbers.

COMPLIANCE Within 1 hour operating time or 2 months, whichever is sooner.

COST

WARRANTY ENGINES (less than 1 year since supply)

PARTS	Free issue
LABOUR	Free of charge
TRAVEL OR CARRIAGE	To be paid for by end user

NON-WARRANTY ENGINES (more than 1 year since supply)

PARTS	Free issue
LABOUR	£20 inc VAT fixed price engine not installed £35 inc VAT per hour engine installed
TRAVEL OR CARRIAGE	To be paid for by end user

INTRODUCTION

Several failures have occurred of the bolts securing the stator assembly. The aluminium spacers must be replaced with ones made of steel and a lock-washer fitted under the bolt head, and the bolts replaced.

ACTION

Work should only be carried out by a competent mechanic with the correct maintenance tools. Otherwise the engine should be returned to an authorised dealer for the work to be carried out.

Ensure that the engine spark is isolated and that the battery is disconnected before proceeding.

1) Removal of Stator.

Remove the plastic flywheel cover by removing 4 x M5 cap head screws. Using a tool suitable to hold the flywheel, undo the flywheel nut. Remove flywheel using a suitable puller (take care not to use bolts that could touch the stator assembly).

Remove 2 x M6 bolts securing the stator assembly and gently remove the stator assembly to enable removal of the small aluminium spacers (leaving the wires in position). Inspect the flywheel and stator for damage, if signs of damage are found, contact the authorised dealer for further information.

Remove small aluminium spacers.

2) Refitting of Stator and Flywheel

Refit the stator ensuring that it is correctly located on the central aluminium spacer, and replace the original small aluminium spacers with the steel ones provided. Fit new bolts and spring washers supplied. Torque bolts to 10Nm. Ensure that the stator is secure, and that the wires are not trapped.

Clean and de-grease the crankshaft taper and flywheel taper. Inspect the inside of the flywheel and ensure that it is free of debris. Fit new Nyloc nut and torque to 35Nm.

Refit the flywheel cover using 4 x M5 bolts and applying Loctite 222 or similar to the bolt threads.

Ensure that the engine rotates freely. Remove the spark plug and check that the engine sparks correctly. Refit the spark plug, re-connect the battery, and test run the engine for 5 minutes, following the correct procedures out-lined in the Operators Manual.

Issued By: C.N. Beale

