

Product:	Corvid-50 Reed Mount
Currawong part number:	CE1381 Revision C
Serial numbers range:	NA



Introduction

The Corvid-50 Reed Mount has been manufactured from Ertacetal, a plastic material selected for its good mechanical properties for this application. Currawong Engineering would like to now advise, via this product update bulletin, that this component has undergone a revision and will now be made from aluminium.

Background

While endurance testing of this engine did not uncover any issues, there have been customer reports of some oil leakage from the bottom of the flange securing this part to the crank case, occurring on some engines in the field.

Currawong conducted investigation and determined that RTV sealant adhesion to the Ertacetal material was not as effective as on aluminium. Some additional grooves were machined into the interface to promote adhesion and more effective sealing on the Ertacetal, which yielded positive results. However, the advantage in adhesion of the RTV sealant product to aluminium could not be overlooked, and it was determined that the component should be changed to aluminium material under a Revision C.

Outcomes

Corvid-50s sold from January 1st 2021 will be fitted with a Revision C of this component. There is no requirement for upgrades to engines in the field, however if customers experience oil leakage and wish to change to the Revision C component, upgrade kits will be available.

Recommendations

The results of this investigation give Currawong confidence in recommending the following to customers:

1. If existing engines fitted with an Ertacetal Reed Mount show no evidence of oil leakage from the interface, there is no required action.
2. If existing engines fitted with an Ertacetal Reed Mount exhibit oil leakage around the interface, please contact Currawong Engineering with the relevant engine serial number, logged engine hours, and photographs of the detected oil leakage.

Update approved by:

Gavin Brett
Chief Executive Officer