

CHRISTEN *

PRODUCT LETTER

No: 000357

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By: FLC Date: 02-08-84 Page: 1 of 1

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U CHRISTEN INDUSTRIES INC.
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Subject: LYCOMING SERVICE
BULLETINS 465 AND 465A
CONCERNING CRANKSHAFT
PROPELLER FLANGES

*** IMPORTANT! RESPONSE TO THIS LETTER MAY BE CRITICAL FOR FLIGHT SAFETY ***

Previous Christen Product Letter 331 was accompanied by a copy of Lycoming Service Bulletin 465 requiring inspection or replacement of crankshafts used in aerobatic aircraft. Subsequent Product Letter 333 explained that Lycoming was revising the bulletin requirements. Enclosed is a copy of the revised Bulletin 465A which should be read carefully by all Eagle II aircraft owners.

In summary, the revised bulletin states that all AEIO-360 series engines which are used for aerobatics must have the crankshaft propeller flange serviced in one of three ways: (1) Visual inspection for cracks every 25 hours, (2) Magnaflux inspection for cracks every 100 hours, or (3) Replacement of the crankshaft with a new redesigned crankshaft which features a thicker propeller flange without lightening holes and which is suitable for aerobatic usage.

Lycoming is offering a crankshaft exchange kit to owners of AEIO-360 engine owners at a price of \$2466.60 plus return of the original crankshaft. The kit is available from Lycoming distributors only, and the purchase price must be accompanied by an additional \$1500.00 deposit which will be refunded on return of the original crankshaft. The crankshaft kit is available at no charge to owners of AEIO-360 engines which are within the warranty period of six months from initial engine use. In addition, Lycoming will reimburse these owners for crankshaft exchange labor at posted shop rates up to 33 hours for in-stalled engines and 13 hours for non-installed engines. No exchange benefits are being offered to owners of non-AEIO engines, but exchange parts can be purchased at list prices from Lycoming distributors.

As a convenience to Eagle II owners, Christen will perform visual or magnaflux inspections or crankshaft exchanges by appointment at a shop rate of \$35.00 per hour. For crankshaft exchange, the crankshaft and related parts must be purchased by the aircraft owner from a Lycoming distributor and supplied to Christen. The owner will be responsible for all warranty claim processing in accordance with the Lycoming service bulletin. The inspections can also be performed by any well equipped aircraft service facility or by Magnaflux Corporation. A list of Magnaflux offices is included in the service bulletin, and a list of Lycoming distributors is enclosed.

ENCLOSURES: AVCO/Lycoming Service Bulletin 465A
List of AVCO/Lycoming Distributors