

**HUGHES
SERVICE INFORMATION
LETTER**

LETTER NO. L-77

DATE 31 JULY 1973

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TO—All owners and operators of Hughes Helicopters

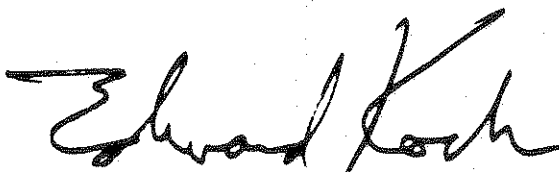
SUBJECT: AVCO LYCOMING SERVICE BULLETIN NO. 365, DATED 1 JUNE 1973 -
BENDIX MAGNETO CONVERSION TO INCORPORATE FLEXIBLE DRIVE

MODELS AFFECTED: Model 269C Helicopter Serial No. 0001 thru 0141, 0143 thru
0180, 0183 thru 0184, and 0187 equipped with Bendix Mag-
netos Part No. 10-349285-5

Your attention is directed to the subject Avco Lycoming Service Bulletin reprinted
as part of this Service Information Letter.

The bulletin provides information for conversion or exchange of Bendix part No.
10-349285-5 magnetos installed on the above affected helicopters, to eliminate the
presently required inspection, lubrication and parts replacement as described in
Avco Lycoming Service Bulletins No. 336B and 343B. A mandatory periodic replace-
ment of the magneto rubber drive grommet, part No. 10-391315, is also noted in
the subject bulletin.

Hughes Helicopters recommends to owners and operators that compliance with the
subject Avco Lycoming Service Bulletin be accomplished as specified.



Edward Koch, Manager
Customer Service Department
Hughes Helicopters
division of Summa Corporation

 **AVCO LYCOMING DIVISION**
WILLIAMSPORT, PENNSYLVANIA 17701
Service Bulletin



DATE: June 1, 1973

Service Bulletin No. 365
Engineering Aspects are
FAA (DEER) Approved

SUBJECT: Bendix Magneto Conversion to Incorporate Flexible Drive

MODELS AFFECTED: Avco Lycoming HIO-360-D1A aircraft engines installed in Hughes Model 269C Helicopters.

TIME OF COMPLIANCE: During next 100 hour inspection of the aircraft or earlier at owner's discretion.

A conversion kit is now available for the model 1200 series magnetos used on the HIO-360-D1A engines that eliminates the necessity for periodic inspection, lubrication, and parts replacement described in Avco Lycoming Service Bulletins 336B and 343B.

This kit provides parts to convert both right and left magnetos to conform with current production including slotted flange mounting, rubber cushion drive members, and improved design distributor gear.

The kit, No. 10-391330 for converting both magnetos is available from all Avco Lycoming distributors at the special price of \$150.00. Complete instructions for converting the magnetos, Bendix Form No. L-1015 is included with the kit. Bendix part no. 10-349285-5 magnetos converted by kit installation are redesignated 10-349235-3 and 10-349235-4.

For owners and operators not wishing to convert their present magnetos, an exchange program has been

arranged by Bendix Electrical Controls Division whereby Blue Label Exchange magnetos, part numbers 10-349235-3 and -4 are available from Bendix - ECD Distributor Organization at a net price of \$154.17 each, less the regular allowance of \$20.07 for each magneto returned. Note, conversion kits are available from Avco Lycoming distributors, while exchange magnetos are available through Bendix - ECD Distributor Organization.

CAUTION

No. 10-349235-3 and -4 magnetos, installed in HIO-360-D1A engines by replacement or by conversion must be removed after 300 hours operation and the rubber drive grommet P/N 10-391315 replaced in accordance with Avco Lycoming Service Bulletin No. 364.

PARTS DATA:

Kit 10-391330 containing conversion instructions L-1015 and material - to convert (2) 10-349285-5 magnetos to one 10-349235-3 magneto and one 10-349235-4 magneto as follows:

Material to convert (10-349285-5 to 10-349235-3)

(4) 10-35936-7 screw, (1) 10-35936-10 screw, (1) 10-35937-24 screw, (5) 10-53397 washer, (1) 10-70616 identification plate, (2) 10-90500-8 drive screw, (1) 10-90751-19 cotter pin, (1) 10-90788-5 key, (8) 10-92879-43 lockwasher, (5) 10-349652 screw, (1) 10-353112 bushing, (1) 10-391311 nut, (1) 10-391314-1 drive plate, (1) 10-391315 grommet, (1) 10-391318 bowed washer, (1) 10-391324 drive gear, (1) 10-391345-1 flange and rotor assembly, (1) 10-391347 distributor block and gear assembly.

Material to convert (10-349285-5 to 10-349235-4)

(4) 10-35936-7 screw, (1) 10-35936-10 screw, (1) 10-35937-24 screw, (5) 10-53397 washer, (1) 10-70616 identification plate, (2) 10-90500-8 drive screw, (1) 10-90751-19 cotter pin, (1) 10-90788-5 key, (8) 10-92879-43 lockwasher, (5) 10-349652 screw, (1) 10-353112 bushing, (1) 10-391311 nut, (1) 10-391314-2 drive plate, (1) 10-391315 grommet, (1) 10-391318 bowed washer, (1) 10-391324 drive gear, (1) 10-391345-2 flange and rotor assembly, (1) 10-391347 distributor block and gear assembly.