



**HUGHES
SERVICE INFORMATION
LETTER**

LETTER NO. L-24
DATE May 5, 1967
PAGE 1 OF 2

TO—All owners and operators of Hughes Helicopters

SUBJECT: **PROPER HEIGHT OF CONTACT SPRINGS IN - 200
BENDIX MAGNETO DISTRIBUTOR BLOCK**

MODELS AFFECTED: All 269 Series Helicopters equipped with Lycoming
Engines using - 200 high tension magnetos.

Reference

Avco Lycoming Division Service Instruction No. 1163, dtd, Sept. 24,
1966 Scintilla Division, The Bendix Corp. Service Bulletin No. 518,
dtd, June, 1966.

Contact springs of an insufficient height can cause arcing at the end of the spring. Carbon tracks then occur which induce cracks in the distributor block thus causing ignition system malfunctions.

The above references describe a method for inspection and replacement of the springs. The Hughes Tool Company urges owners and operators to comply with the instructions.



Service Instruction

LYCOMING DIVISION
WILLIAMSPORT, PA. 17701



DATE: September 24, 1966 Service Instruction No. 1163
Approved by FAA

SUBJECT: Scintilla Division Service Bulletin No. 518

MODELS AFFECTED: All Avco Lycoming aircraft engines

TIME OF COMPLIANCE: As required

Bendix Scintilla's Service Bulletin No. 518, reprinted herewith in its entirety, pertains to inspection and replacement of contact springs in the magneto distributor block. The Part No. 11-8627 spring seating kit and No. 10-50737 helical springs are not carried in stock at Avco Lycoming; they may be procured directly from Scintilla Division, Sidney, New York.

Scintilla Division
SIDNEY, NEW YORK 13839



SERVICE BULLETIN NO. 518

Printed June 1966
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AIRCRAFT

SUBJECT: Proper Height of Contact Springs in Distributor Block.

REASON FOR BULLETIN: To advise users to check height of distributor contact springs.

EQUIPMENT AFFECTED: S-20, -200, -700 and -1200 High Tension Magnetos.

Maintenance (Spare) Parts Affected:
Not Applicable

Compliance:
Anytime the harness cable outlet plate is removed or malfunctioning of engine is thought to be caused by ignition.

Detailed Instructions:
Remove cable outlet plate from the magneto. Inspect distributor contact springs for burning or other apparent damage. Remove defective springs and replace using the 11-8627 Spring Seating Kit.

Check height of all distributor block contact springs using a flush pin gage, small scale or other suitable measuring device. This dimension is determined by measuring from top of block outlet tower down to top of spring. Outlets in which the measurement is 0.422 inch or less contain acceptable contact springs. Outlets in which the measurement exceeds 0.422 inch contain springs which are defective or have been improperly installed (two bottom coils of spring caught in recessed groove of brass insert in block). Using a pointed instrument (scribe or etc.), wiggle top end of spring in a circular motion to be sure only the bottom turn of spring is captivated in groove of brass insert

in block. Recheck spring height in accordance with figure 1. If dimension still exceeds 0.422 inch, replace contact spring.

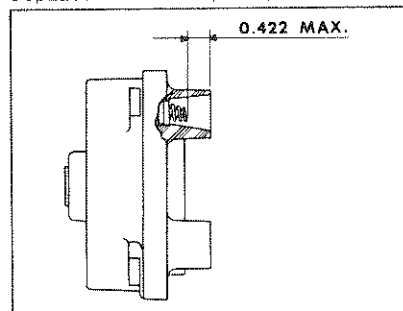


Figure 1

Parts Required Per Article:
10-50737 Helical Spring

Special Tools Required:
None

Man Hours Required:
Negligible

Weight Change:
Not Applicable