

TECHNICAL BULLETIN

Bell Helicopter **TEXTRON**

A Subsidiary of Textron Inc.

No. 222-00-164

Date 07/28/00

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DATE
REV

MODEL AFFECTED: Model 222

SUBJECT: LYCOMING LT 101 ENGINE, INTRODUCTION OF OIL WETTED STARTER GEAR DRIVE SPLINES

HELICOPTERS AFFECTED: All model 222 helicopters with LTS101-650C-2/-3 engines.

Model 222 helicopters with LTS101-650C-3A engines have oil wetted starter gear drive splines

COMPLIANCE: In accordance with Allied Signal Service Bulletin No. LTS101-72-60-0210

DESCRIPTION:

As a product improvement, Allied signal is introducing a starter drive gear with oil wetted splines. The installation of oil wetted starter drive spline extends the drive spline inspection interval from 100 hours to 600 hours.

Allied Signal Service Bulletin No. LTS101-72-60-0210 provides the instructions to modify the engine gearbox.

Compliance with Allied Signal Service Bulletin No. LTS101-72-60-0210 will require modification of starter P/N 206-062-200-001 per instructions of attached Lucas Service Bulletin Number 23032-0XX-24-04 or replacement with an approved compatible starter which has an oil wetted driveshaft.

APPROVAL:

Not required

MANPOWER:

Refer to Allied Signal Service Bulletin No. LTS101-72-60-0210 for manpower estimate to modify the engine gearbox.

Refer to Lucas Service Bulletin Number 23032-0XX-24-04 for manpower estimate to modify starter generator P/N 206-062-200-001.

MATERIAL:

Required Material:

Refer to Allied Signal Service Bulletin No. LTS101-72-60-0210 and Lucas Service Bulletin Number 23032-0XX-24-04.

In addition, the following material is required for the accomplishment of this bulletin and may be obtained through your Bell Helicopter Textron Supply Center.

<u>Part Number</u>	<u>Nomenclature</u>	<u>Quantity</u>
206-062-200-117 *	Starter generator	1
M83248/1-113	Packing	1

* Required only if removed starter P/N 222-062-200-001 is not modified per attached Lucas Service Bulletin Number 23032-0XX-24-04.

SPECIAL TOOLS:

None required

WEIGHT AND BALANCE:

Not affected

ELECTRICAL LOAD DATA:

Not affected

REFERENCES:

BHT-222/222B-MM-1, chapter 71-40-00
Allied Signal Service Bulletin No. LTS101-72-60-0210
Lucas Service Bulletin Number 23032-0XX-24-04

PUBLICATIONS AFFECTED:

BHT-222/222B-MM-1, chapter 71-40-00

ACCOMPLISHMENT INSTRUCTIONS:

1. Comply with Allied Signal Service Bulletin No. LTS101-72-60-0210.

-NOTE-

Replacement of starter generator mounting pad (Q.A.D. unit)
is not required

2. Replace starter generator P/N 206-062-200-001 with starter generator P/N 206-062-200-117 or comply with instructions of Lucas Service Bulletin Number 23032-0XX-24-04 for modification of starter generator P/N 222-062-200-001.
3. Install packing P/N M83248/1-113 on starter generator splined shaft and install starter generator to accessory mounting pad. Refer to BHT-222/222B-MM-1, chapter 71-40-00.
4. Make a log book entry showing compliance with this bulletin.