

SERVICE BULLETIN

SB No. 72 Issue No. 1

TITLE

INSPECTION OF THERMOSTATIC BYPASS VALVES

CLASSIFICATION

This Service Bulletin has been classified Mandatory by Textron Lycoming

COMPLIANCE

Within the next 25 hours of operation and then annually thereafter

APPLICABILITY:

T67M260-T3A Aircraft.

Find attached Textron Lycoming Service Bulletin No. 518 which is reprinted in its entirety. This has been made Mandatory by Textron Lycoming and is not covered by CAA or FAA Airworthiness Directives.

ISSUED BY:

B Mellors

Date 3 Feb 1995

for and on behalf of **SLINGSBY AVIATION LIMITED**
Kirkbymoorside, York YO6 6EZ England Tel 0751 32474 Telex 57597

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MANDATORY
SERVICE BULLETIN

DATE: November 4, 1994
Service Bulletin No. 518
(Supersedes Service Instruction No. 1423)
Engineering Aspects are
FAA Approved

SUBJECT: Inspection of Thermostatic Bypass Valves

MODELS AFFECTED: All Textron Lycoming engines employing thermostatic bypass valves P/N 53E19600, P/N 75944, P/N LW-13230 and P/N 53E19980.

TIME OF COMPLIANCE: Within the next 25 hours of operation and then annually thereafter.

Textron Lycoming has received reports that a number of thermostatic bypass valves are in service with loose crimp nuts. It has been shown that the nut can work free and drop into the engine causing severe engine damage.

All thermostatic bypass valves must be inspected within the next 25 hours of operation with subsequent inspection each year thereafter.

The thermostatic bypass inspection consists of two steps:

Step 1 is the dimensional inspection of the crimp nut. The crimp depth on the nut must be .161-.167 as shown in Figure 1.

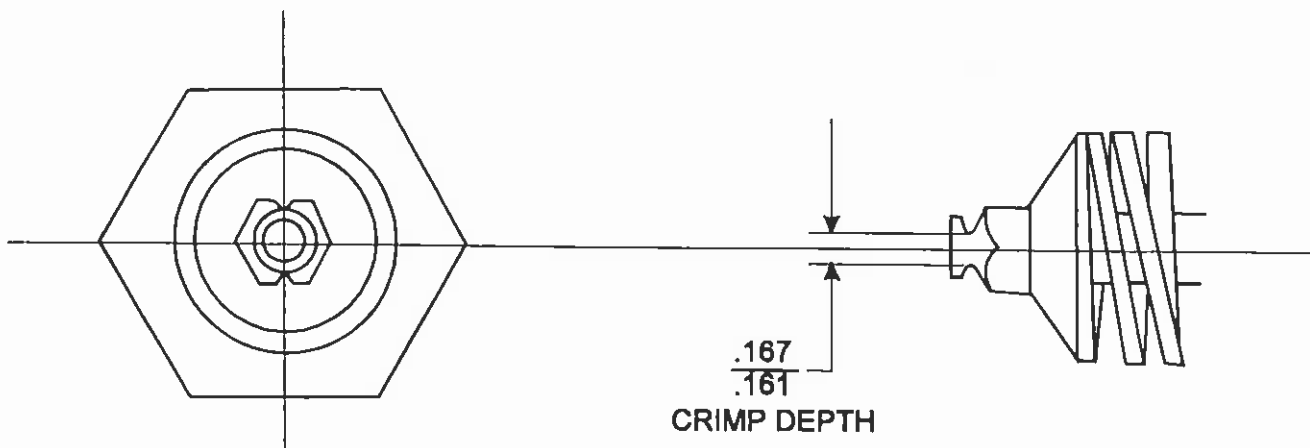


Figure 1.

Step 2 is the physical inspection of the crimp nut to ensure it is seated and solid on the shaft. Separate the seat and retaining nut by holding the valve assembly in one hand and compressing the valve spring with the forefinger and thumb. (See Figure 2.) With the seat and nut separated, grasp the crimp nut with the other hand and attempt to move it. The crimp nut must not move.

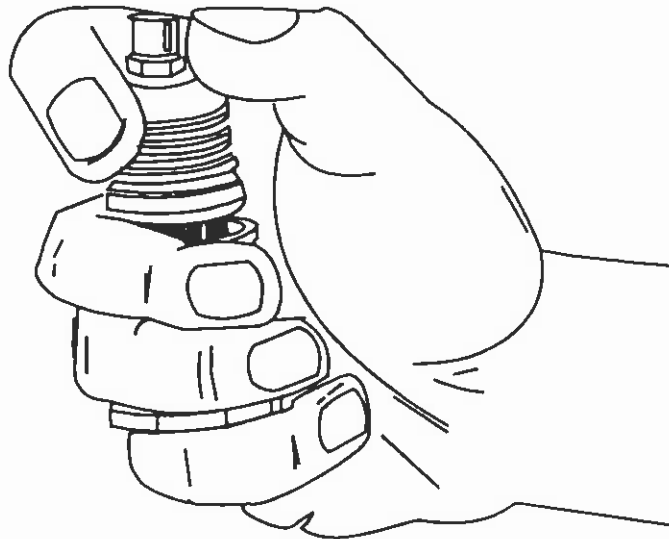


Figure 2.

If the thermostatic bypass valve does not meet either step of the inspection, it must be replaced immediately.

Make appropriate log book entries for each inspection.