



THE ENSTROM HELICOPTER CORPORATION

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SERVICE INFORMATION LETTER

SERVICE INFORMATION LETTER NO. T-044

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DATE: February 23, 2011

1. SUBJECT: Clarification of Linear Actuator and Droop Compensator Rigging
2. MODEL: TH-28, 480 and 480B Helicopters
3. EFFECTIVITY: All
4. BACKGROUND:

Enstrom has established a rigging procedure for the linear actuator and the droop compensator (reference TH-28/480 Series Maintenance Manual, Paragraph 13-109). The purpose of the procedures listed under the ground and flight tests as provided in Paragraph 4-60.B.14 and Paragraph 4-61.B.6 are to establish initial settings for the linear actuator so that the droop compensator can be adjusted into range in accordance with Paragraph 4-61.C.1.

This Service Information Letter clarifies the acceptable upper and lower limitations for adjusting the linear actuator and the droop compensator.

Rolls Royce CSL 1169 also addresses this subject.

5. COMPLIANCE:

The normal operating range of the power turbine governor linear actuator is from 88-103% N₂ (reference Paragraph 4-60.B.14 and Paragraph 4-61.B.6).

With the collective set at 97% $\pm$ 1%, check that the N₂ increases to 102% $\pm$ 1% as the aircraft becomes light on the skids (reference Paragraph 4-61.C.1).

NOTE

The initial linear actuator setting of 97% $\pm$ 1% supersedes the setting of 98% in the maintenance manual (reference Paragraph 4-61.C.1) and clarifies the procedures in the maintenance manual described in Paragraph 13-109.G. 3 and also the Enstrom 480 and 480B Rotorcraft Flight Manuals as described in Paragraph 2-19.4 and Paragraph 2-20.3, respectively.

NOTE

The linear actuator operating range of 88-103% N₂ supersedes the range of 90-102% N₂ provided in the maintenance manual (reference Paragraph 4-60.B.14, Paragraph 4-61.B.6, and Paragraph 13-109.G.1-2.

- 6. PARTS: None
- 7. SPECIAL TOOLS: N/A
- 8. MAN-HOURS: N/A
- 9. WARRANTY: N/A
- 10. WEIGHT CHANGE: N/A
- 11. LOG BOOK ENTRY: N/A
- 12. REPETITIVE ACTION: N/A