

**McDonnell Douglas
Helicopter Company**
SERVICE INFORMATION LETTER

LETTER NO. HL-37
DATE 28 August 1974
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TO—All owners and operators of Hughes Helicopters

SUBJECT: EXTREME TURBINE OUTLET TEMPERATURE EFFECTS ON TURBINES

MODELS AFFECTED: All 369H Series Helicopters equipped with 250-C20 Engine

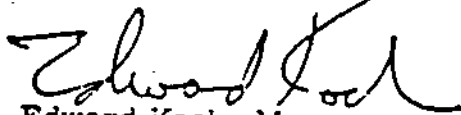
Reference

Allison-Div of GM; Commercial Service Letter CSL-1023 Rev. No. 3, dated 6/12/74.
Federal Aviation Agency Airworthiness Directive (AD) 74-14-03.
500 Series - Basic HMI, Issued 1 October 1972; Revision No. 3, 1 January 1974.
500 Series - HMI Appx A, Issued 1 October 1972; Revision No. 3, 1 August 1974.

Hughes directs your attention to the referenced CSL and AD.

Excessive TOT readings have been experienced during engine shut down with the twist grip in the "fuel off" position with resultant damage to the turbines. The problem has been traced to leakage of fuel into the combustion chamber. The referenced documents provide the data to correct the problem.

Section II of the Basic HMI and Section 12 of the HMI Appendix A provides information for rigging and other maintenance of the engine controls. Strict adherence to the procedures in the manual in conjunction with the Allison and FAA data will aid in preventing problems traceable to the engine fuel controls system.



Edward Koch, Manager
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