



**HUGHES
SERVICE INFORMATION
LETTER**

LETTER NO. L-48

DATE Sept. 11, 1968

PAGE 1 OF 1

TO—All owners and operators of Hughes Helicopters

SUBJECT: BALANCE WEIGHT INSTALLATION-MAIN ROTOR BLADES

MODELS AFFECTED: All Model 269B Helicopters with P/N 269A1107 balance weight assembly installed on 269B1145 series main rotor blades.

Reference

269B Handbook of Maintenance Instruction, Reissued 1 April 1968 and Revised 1 July 1968.

Prior to the delivery of each new Hughes helicopter, the manufacturer conducts a thorough flight test of each aircraft, including a check to ensure that the main rotor system is in proper balance.

As required, a balance weight assembly may be installed to the tip of one or two main rotor blades to obtain proper balance of the main rotor system.

It is to be noted that, where installed, these balance weight assemblies (P/N 269A1107) must be removed when tracking operations are performed, to prevent damage to the tracking flag. When the balance weight assemblies (balance weights or washers) are removed, it is most important that each assembly be identified with its corresponding blade location, and reinstalled on the same blade exactly as originally installed. If a blade is replaced, the weight must remain with the rotor system, i. e., the weight must be transferred to the new blade.

Balance weight assemblies will be available in the near future for field installation by owners or operators to help minimize or eliminate vibration caused by an out-of-balance condition of the main rotor system.