

# SCHWEIZER SERVICE INFORMATION LETTER

LETTER NO. L-67

DATE 6 April 1972

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TO—All owners and operators of Hughes Helicopters

SUBJECT: IMPROVED MAIN ROTOR BLADE DAMPER ASSEMBLY,  
P/N 269A1927-5

MODELS AFFECTED: All 269A, 269A-1, 269B and 269C Helicopters

## Reference

269 Series - Basic Handbook of Maintenance Instruction, Revised 1 February 1972  
269 Series - HMI Appendix C, Revised 15 October 1971

An improved main rotor damper assembly usable on all 269 Series helicopters is now available. The damper incorporates a new internal thrust spacer and thrust shims which help reduce drive friction caused by dirt accumulation at exposed surfaces between the damper shaft and housing assembly. This drive friction can vary torque settings of the damper stages, resulting in uneven damping action.

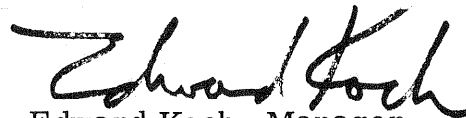
The new 269A1927-5 damper replaces in sets of three the existing 269A1222, 269A1222-3 and 269A1250 dampers. Following initial replacement, the dampers may be replaced individually with a like part-numbered damper. When ordering, specify the 269A1927-5 damper assembly, which does not include the damper arm. If the damper arm is required, specify the 269A1259 arm assembly for 269A, A-1 and B Model helicopters, or the 269A1282 arm assembly for 269C Model helicopters. The 269A1222-5 damper assembly (without arms) will still be available as a spare replacement part for those not wishing to upgrade their dampers.

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It is recommended that existing ship sets of dampers be upgraded to the new 269A1927-5 configuration at the next overhaul of the dampers. Upgrading requires only the addition or replacement of a small number of internal components, which can be accomplished easily during damper reassembly. Refer to Table 1 below for a list of the new damper components required.

Table 1. Components Required for Upgrade to  
269A1927-5 Damper Configuration

| Existing Damper Assembly  | Nomenclature   | Part Number | Qty |
|---------------------------|----------------|-------------|-----|
| 269A1222 or<br>269A1222-3 | Thrust Spacer  | 269A1928    | 1   |
|                           | Thrust Shimmer | 269A1929    | A/R |
|                           | Plate Assembly | 269A1252-9  | 1   |
| 269A1250                  | Thrust Spacer  | 269A1928    | 1   |
|                           | Thrust Shim    | 269A1929    | A/R |
|                           | Plate Assembly | 269A1252-11 | 5   |
|                           | Spring         | 269A1223    | 1   |
|                           | Retainer       | 269A1225    | 1   |
|                           | Spacer         | HS626-5-375 | 1   |
|                           | Bolt           | NAS464P4-13 | 1   |



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