

# McDonnell Douglas Helicopter Company

LETTER NO. HL-45  
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PAGE 1 OF 1

## SERVICE INFORMATION LETTER

TO—All owners and operators of Hughes Helicopters

SUBJECT: NEW MAIN ROTOR DAMPER ASSEMBLY, PN 369A1423-501

MODELS AFFECTED: All 500 Model 369H Series Helicopters

### Reference

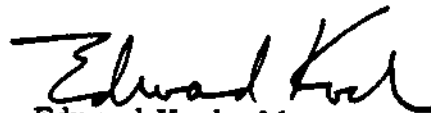
500 Series - Basic HMI, Issued 1 October 1972; Revision No. 6, 1 November 1976  
500 Series - HMI Appendix C, Issued 1 April 1976; Revision No. 1, 1 August 1976

A new 369A1423-501 main rotor damper assembly is now available as replacement, when required, for existing 369A1400 series dampers installed on 369H Series helicopters. This new four-stage damper features lower torque and smoother damping characteristics, and improved seal design and longer service life. The new 369A1423-501 dampers are to be installed in ship sets at original installation only, and are not to be intermixed with earlier three-stage or four-stage dampers.

It is to be noted that the low-stage torque adjustment for the new four-stage 369A1423-501 damper is 190 to 200 inch-pounds at 70° ambient temperature. The low-stage torque adjustment for existing dampers is 300 to 325 inch-pounds.

Field modification of any three-stage damper to the new four-stage configuration may be accomplished as desired, per Damper Modification Kit M50443. The current price for Modification Kit M50443 for each damper is \$148.73. Early type dampers returned in sets with the main rotor hub to Hughes Helicopters for overhaul will be upgraded to the new four-stage configuration. The current price for overhaul of each damper to the new 369A1423-501 configuration is \$192.00.

All service and maintenance information for the new 369A1423-501 damper assembly is provided in the above referenced Basic HMI and HMI Appendix C, including procedures for field modification to the new four-stage damper.



Edward Koch, Manager  
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Hughes Helicopters

Product Support Department

McDonnell Douglas  
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