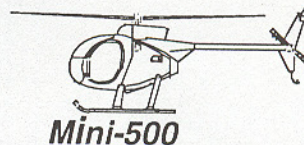




REVOLUTION
HELICOPTER CORP., INC.



1905 W. Jesse James Rd. • Excelsior Springs, Missouri 64024
Phone (816) 637-2800 • Fax (816) 637-7936

May 1, 1998

Service Information Letter #050198

Subject: Control System Inspection

Applicability: All Mini-500 helicopters

During the 1998 Sun 'N Fun airshow, a Mini-500 pilot announced to the controller that he was experiencing a strange vibration and was performing an immediate landing. When pulling collective just before landing, the Mini-500 lost control, impacted the ground and rolled forward upside down. The pilot received no injuries, and the Mini-500 sustained typical roll over damages.

Upon FAA investigation, it was discovered that the **AN bolt #0434** that retained the Control Rod Assembly part #BA16 to the Control Yoke Teeter Block part #0026, departed the assembly which is located below the Main Transmission, because the **AN nut #0470** came loose.

This FAA approved hardware is correct for the application, but any metal to metal locking nut **can only be used once**, and then both the nut and the bolt must be disposed of and replaced with new ones. Any metal to metal self locking nut must be brought to torque only, and not loosened whatsoever, or the metallic grip will be lost which could lead to possible failure, according to FAA guidelines of AN hardware.

We recommend that if the slightest possibility exist that the locking nuts **part #0470** have been loosened once, or re-used, both the nut and the bolt **part #0434** must be immediately replaced with new ones before further operation. Insure that resistance is felt when tightening the new hardware so that you know that locking has occurred. As indicated in the Mini-500 assembly manual, put slippage marks on all fasteners where indicated, and visually inspect before every flight.

If you need to order these parts, or have any questions, please contact RHCI Customer Service at **(816) 637-2800**, or e-mail: **parts@revolutionhelicopter.com**.

Please print your name, aircraft serial # and date, then mail or fax a copy of this letter to:

Revolution Helicopter Corp.
1905 W. Jesse James Rd.
Excelsior Springs, MO 64024
Tel. (816) 637-2800
Fax (816) 637-7936

Name: _____ Serial # _____ Date: _____