



REVOLUTION

HELICOPTER CORP., INC.



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

August 20, 1996

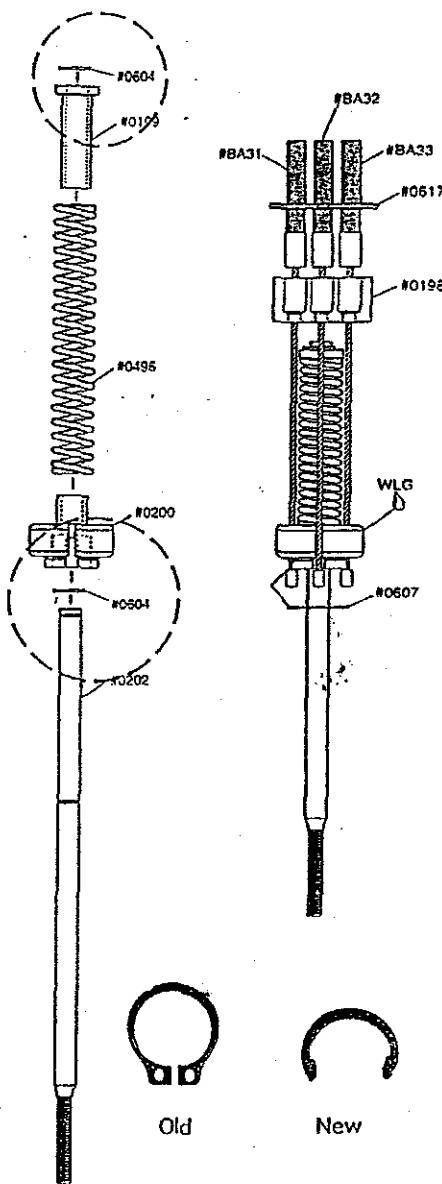
Revolution Helicopter Airworthiness Directive (AD) #082096

Effected Aircraft: All Mini-500 Helicopters shipped before August 20, 1996.

AD Type: Urgent (Must be complied with before further flight.)

Subject: When installing snap rings #0604 onto junction box shaft #0202, some customers are expanding the snap rings too much when sliding them over the shaft. The snap rings are not contracting back to their original size and do not fit tightly into the groove. If one of the snap rings should pop loose in flight, the engine will go to full throttle. The only option would then be to shut off the engine to prevent a rotor over speed.

Corrective action: We have changed to a different snap ring that does not have to be expanded during installation. You simply push the snap ring into the groove. This new snap ring is much stronger and easier to install correctly. All existing kits must be updated with the new snap rings before further flight. Updated snap rings are supplied with this AD. Refer to this drawing and section 5 page 17 of your assembly manual. Discard the old snap rings.



Initials
cd

If you have any questions, please contact: Brian Thomas at (816) 637-2800.

Please sign and date this AD to acknowledge completion of the modifications and return it to us by fax at (816) 637-7936, or mail to:

Revolution Helicopter Corp.
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Excelsior Springs, Mo. 64024

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Date: _____

Signature: _____