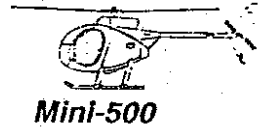




REVOLUTION

HELICOPTER CORP., INC.



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

August 21, 1996

Service information letter #082196

Subject: Main rotor blade installation

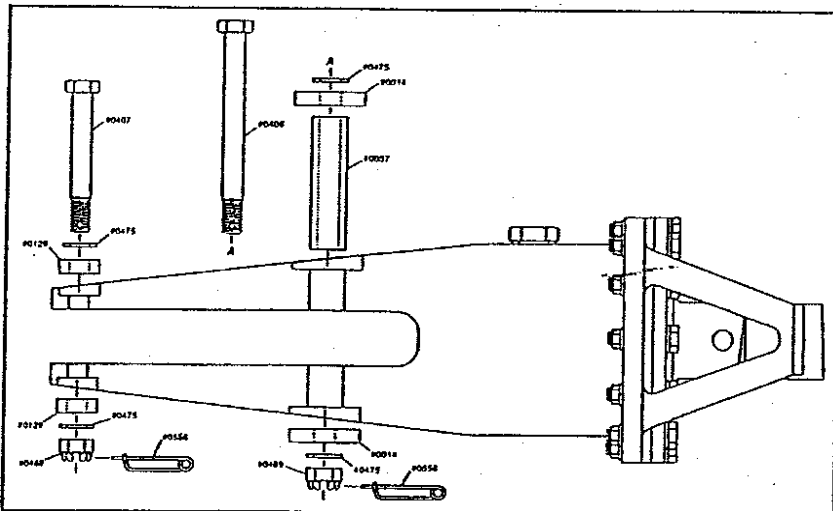
Applicability: All Mini-500's

This letter is to give further guidance in the installation of the main rotor blades.

Refer to the drawing below and on the reverse side. The rear attach point for the blades use a precision pin #0037. This pin virtually eliminates any slop in this area. The front attach point simply uses an AN bolt #0407. Although the slop in this bolt is only about 2 thousandths, that is enough to change the balance of the blades if you remove them and do not get them installed back in the same position. To aid in removal and reinstallation of the main rotor blades we have developed the following procedure.

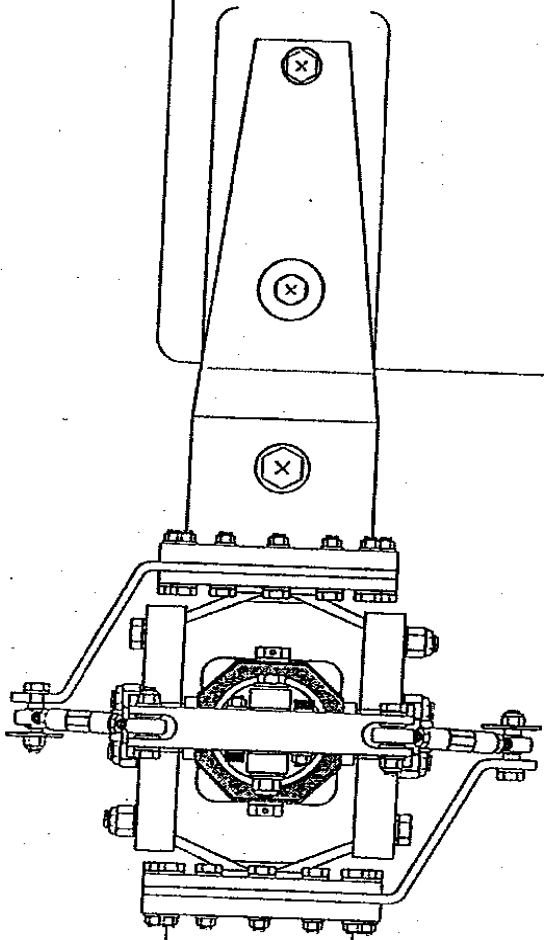
1. Put on both blades and install the hardware but do not tighten the bolts.
2. Have someone lift up on both blades to relieve the pressure. While still lifting up on the blades, put pressure on one blade toward the trailing edge and tighten the bolts. Have the other person do the same to the other blade and tighten those bolts.
3. Track and balance the aircraft with the blades in this position. Whenever you remove the blades, reinstall them using this same procedure and the balance should not change.

If you have any questions please contact RHCI at (816) 637-2800.





Put pressure toward the trailing edge



Put pressure toward the trailing edge

