



REVOLUTION HELICOPTER CORP., INC.



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

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Affected Aircraft: All Mini-500 helicopters.

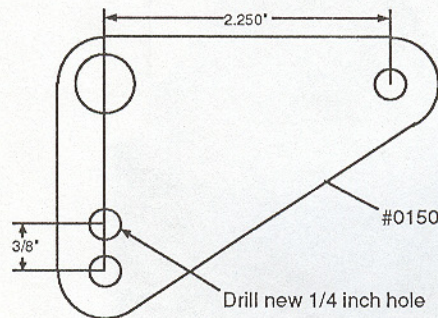
Subject: Optional Cyclic Bell Horn Modification.

Through the ongoing factory testing and evaluation program carried out on the Mini-500 helicopter, RHCI will occasionally find ways to improve the Mini-500's flight characteristics. It has been discovered that with a small modification made to the cyclic bell horns (#0150), as seen in the Mini-500 Assembly Manual on Section 5, page 15 and 16, Fig. 30 and 31, will reduce the amount of fore-and-aft movements required, and allows for a more comfortable control range of movement.

The advantages found are: less throw necessary through translational lift, quick-stops, and less correction for entering autorotation. This modification is optional, and to the discretion of the builder/operator.

Solution:

1. Disassemble and remove the cyclic bell horns (#0150) from the control system.
2. Place both #0150 together, and align with bolts or pins for accuracy.
3. Mark and drill a 1/4 inch hole through both parts, 3/8 inch away from center of previous 1/4 inch hole, as shown in drawing provided.



4. Reassemble both #015 to control system, and connect #BA12 assembly into new hole. Insure that all rod-ends are attached with ample threads, and jam-nuts are tight!
5. It may be necessary to adjust cyclic position to your comfort.

If you have any questions, contact:

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