



## ▶ AIRCRAFT

- SUBJECT:** 10-353110 bearing in D-2000/D-2200 Series Magneto.
- REASON FOR BULLETIN:**
- Part 1. To alert users of D-2000/D-2200 Series Magnetos of possible bearing difficulty.
  - Part 2. To provide a procedure for inspection of subject bearing.
- EQUIPMENT AFFECTED:**
- Part 1. D-2000/D-2200 magnetos with Red name plates having Serial Numbers above 3000 and below 17510, (including magnetos identified with the letters "A" or "R" preceding the Serial Number), which DO NOT have the letter "B" stamped in the approximate center of the bottom line on the name plate.  
  
D-2000/D2200 magnetos having Red name plates with Serial Numbers above X2454 and below X2562 which DO NOT have the letter "B" stamped in the approximate center of the bottom line on the name plate.  
  
Remanufactured D-2000/D-2200 magnetos with Blue name plates having Serial Numbers below 806001 (including magnetos identified with the letters "A" or "R" preceding the Serial Number), which DO NOT have the letter "B" stamped in the approximate center of the bottom line on the name plate.
  - Part 2. Same magnetos as listed in Part 1.

**Spare Parts Affected:**

10-382874      10-382505  
10-382876      10-382519  
10-382878

**Compliance:**

Within the next 10 hours of magneto operating time.

**General Information:**

Field reports indicate that occasionally the magneto rear bearing, Part No. 10-353110, can become overheated. This condition may be the result of a tight bearing fit. To insure a "free" bearing fit, all affected magnetos should be checked as outlined in this bulletin.

**Detailed Instructions:**

Part 1. Determine if magneto Serial Number is listed under Equipment Affected. If magneto is within the serial numbers shown and is not identified with the letter

"B" in the approximate center of the bottom line on the name plate, proceed to Part 2 of this bulletin.

- Part 2. Procedure for inspection of bearings in affected magnetos to insure a "free" fit that will permit the distributor block and bearing to fall from the shaft when the magneto is turned upside down.
- A. Place magneto in secure upright position with drive end down.
  - B. Remove cam securing screw and breaker cam/cams.
  - C. Remove distributor block retaining screws.



- D. Prepare a soft surface for the distributor block to drop on or position hand to catch block when it falls from magneto shaft. Invert magneto so drive end is up (See Figure 1) and the distributor block/bearing assembly should drop from the shaft. **Do not side load magneto shaft** by gripping both housing and drive member. Acceptable magnetos should be reassembled in accordance with Bendix Overhaul Manual, Publication Form L-945.

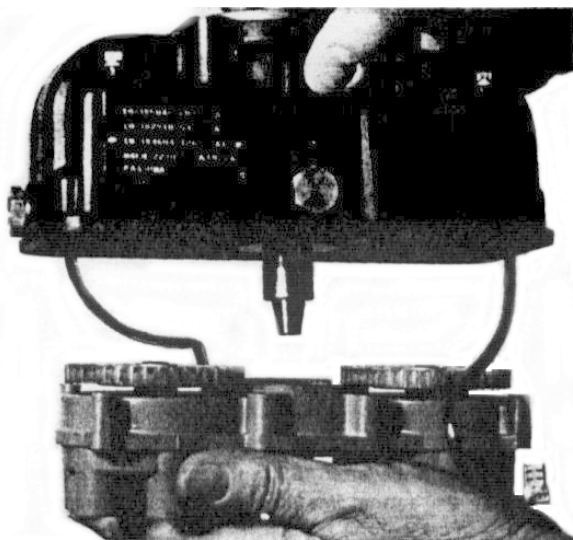


Figure 1.

Position of magneto for checking free fall test of bearing tolerance.

- E. If distributor block does not drop from shaft in step D procedure, insure that block is not sticking by moving the block approximately 1/8 inch away from housing. If block still does not drop from shaft, the bearing must be replaced.
- F. Remove distributor block from magneto and replace the bearing with a new 10-353110 part having "Bendix" identification. The 11-9998 pressing tool and 11-9999 bearing support tool must be used for this procedure.

- G. After the new bearing is installed, repeat the block drop test described in paragraph D and reassemble magneto as noted.
- H. If any magneto still fails the free fall test, install a new distributor block and bearing assembly which has been tested at the factory. These assemblies have the following parts numbers:

Green Blocks	Black Blocks
10-382974 (4 cyl.)	10-382970 (4 cyl.)
10-382976 (6 cyl.)	10-382972 (6 cyl.)
10-382978 (8 cyl.)	

- I. Reassemble magneto in accordance with instructions in Bendix Overhaul Manual, Publication Form L-945.
- J. After compliance with this Bulletin, stamp letter "B" in the approximate center of bottom line on magneto name plate and make Engine Log Book entry.

**Parts Required:**

As necessary.

**Special Tools Required:**

Part 1. None

Part 2. Special tools as required in Bendix Overhaul Manual, Publication Form L-945.

**Man Hours Required:**

Part 1. Approximately 1 1/2 hours to remove and reinstall magneto.

Part 2. Approximately 1 hour to perform inspection and reassemble magneto.

**Weight Change:**

None