



# SERVICE INFORMATION LETTER

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SERVICE INFORMATION LETTER NO. 0119

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Date: December 2, 1981

Subject: Internal Timing of 2200/3300 Series Dual Bendix Magneto with Shower of Sparks

Models: All F-28F and 280F Models  
All F-28C and 280C Models equipped with Shower of Sparks Ignition

Effectivity: At Owner's Earliest Possible Convenience

It has been found that there is a possibility of improper internal timing on dual magnetos utilizing shower of sparks ignition. Suspect magnetos are those bearing P/N 10-382605-13 and P/N 10-382605-17 (-17 magnetos should also be checked per SIL 0105).

This condition does not affect the normal operation of the engine but results in difficult starting in cool weather and cold climates.

Enstrom is working with the magneto manufacturer in an effort to correct this problem where it exists. To assist in documenting the extent of the problem, Identifying and correcting the problem when found, operators are requested to have the following one time inspection performed by the nearest Enstrom Service Facility.

## Inspection

1. Set number one cylinder on compression stroke and align timing mark to 20° BTDC.
2. Remove seat access and firewall access panels.
3. Remove the magneto cover assembly.

4. View the open magneto and observe the following:
  - a. Top center window position should have a “C” visible.
  - b. Both side window positions should have a red tooth visible.

If a “K” is visible in the center window and the red teeth are visible in the side windows it is an indication the magneto internal timing is incorrect.

The magneto must be removed and internally timed per Bendix Manual No. L-945, page 14, paragraph 2.55.

The magneto can then be reinstalled and timed with the engine to number one cylinder at 20° BTDC per Enstrom Maintenance Manual instructions. The following documentation must then be made and included on a standard Enstrom Warranty Form: Magneto serial number, magneto part number, engine serial number, ship serial number and total time, along with the current owner’s name and address. The warranty form should clearly state whether or not the magneto was found correctly internally timed. This information will assist in documenting the number of mistimed magnetos. The warranty form should then be submitted to Enstrom Customer Service for credit.