

REMINGTON ARMS COMPANY, INC.

INTER-DEPARTMENTAL CORRESPONDENCE

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"CONFINE YOUR LETTER TO ONE SUBJECT ONLY" \_\_\_\_\_

September 4, 1985

TO: J.W. Bower  
R.S. Murphy  
F.E. Martin

FROM: F.H. Smith

NBAR Firing Pin

A test request was issued to measure lock-time of the NBAR design bolt assembly and compare the results with the M/700 to determine:

- is the NBAR's lock-time faster than the M/700?
- if it is faster, is it significant?

The test was conducted in the Measurement Lab. A copy of that report is attached.

Results of the testing were:

- NBAR lock-time is 2.8 milliseconds.
- Documented M/700 lock-time is 3.3 milliseconds.
- NBAR shows a 15% reduction in lock-time over the M/700.

NBAR does show a significant improvement in lock-time and previous testing has shown that endurance and function has not been effected.

FHS:sps  
Attach.