

## REMINGTON ARMS COMPANY, INC.

INTER-DEPARTMENTAL CORRESPONDENCE

Xc: T. L. Capeletti

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

February 4, 1982

TO: J. S. Martin  
FROM: F. E. Martin  
SUBJECT: Gallery Malfunctions M/700 .222 - .223

These calibers are notorious for their high rejection rates. To have guns of these calibers pass gallery testing it is necessary for the assemblers to alter a majority of the magazine components used. Parts altered are followers, springs, and magazine boxes. To determine the cause and provide a solution for this problem, the following work should be completed:

- All components of a sample (gallery rejects) be screened for dimensional discrepancy.
- A functional layout be completed using the screened dimensions.
- A functional layout be completed using M/D dimensions with parts redesigned as necessary i.e., receiver, magazine, etc.
- Components found out of tolerance be brought to M/D or obtained from Production and/or vendors.
- Unaltered dimensionally correct parts be assembled and tested.

A determination based on test and layout results could then be made and corrective action taken.

A program of this size could, without interruption, be completed in five months. A portion of the work has been completed i.e., design of a new follower, and the program should be altered toward the acceptance of this new no-drag system.

*M*  
FEM:ws