

REMINGTON ARMS COMPANY, INC.

INTER-DEPARTMENTAL CORRESPONDENCE



"CONFINE YOUR LETTER TO ONE SUBJECT ONLY" _____

May 11, 1982

TO: J. S. Martin
FROM: R. S. Murphy
SUBJECT: 788/580 Safety Detent System

To bring you up-to-date:

- The 788 safety detent plunger cone and safety countersink were changed from 120° to 100° and a new plunger spring was designed to give acceptable on-off forces.
- No evidence of design acceptance testing has been found.
- The design change was transmitted to production.
- Production has purchased 20,000 new springs and plungers (4 - 5 month supply).
- To distinguish between the new design and the current 580 design, (120° cone and countersink), the new parts have been colored.

Future work will include:

- Testing of the colored springs and plungers in the 788 fire control to determine the effect of the black oxide on safety on-off forces. This was submitted for test on 5-10-82.
- Testing of the colored new design spring and plunger in the 580 fire control. This should alleviate any interchangeability problems that could occur since the 788 and 580 will again have common safety detent plungers and springs. If the design change works in the 580, we will also eliminate the need for the color operation.

To date, 23 580 safety levers have been countersunk by production to accept the new plunger. They are in heat treat to be hardened and colored. Upon their return, they will be assembled (by production), and tested for design acceptance. They should be ready for test by May 14, 1982.

Transmittal to production will follow pending the results of these tests.

RSM:ws