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L. B. Bosquet	J. P. Linde
J. W. Bower	R. J. Long
H. K. Boyle	F. E. Martin
J. J. Burns	N. W. Menard
R. J. Chesebrough	C. O. Pardee
W. W. Cook	C. F. Prosser
<u>A. A. Hugick</u>	File

January 6, 1976

A. D. KERR

C. B. WORKMAN

CENTER FIRE - FIRE CONTROL - SAFETY PROBLEMS

Center Fire - Design Process Problems

A program has been set up to review weekly with R & D and P E & C personnel, relating to Fire Control and Safety problems on M/700, 600, 788 and 580 Series.

Next meeting will be held in H. K. Boyle's office - Bldg. 52-4 on 1/13/76 at 8:15 A. M.

Program

1. Model 600 - 250 guns to be assembled with the following altered parts; this will allow M/700 trigger housings to be used in M/600.
  - A. Alter trigger housing side plates - 250 - ready 1/7/76. Ready for sub-assembly - 1/6/76. D. Anderson
  - B. Alter sear-safety cam - 20 complete 1/6/76. F. Martin
  - C. Alter M/700 safety levers. 20 complete - 1/6/76. 250 ready 1/7/76. F. Martin
  - D. Transmit drawings for model drawing changes. J. Linde
  - E. First 20 guns to be ready for test 1/6/76. J. Bower  
C. Prosser

Program (cont.)

## 1. (cont.)

F. Guns to be regular gallery tested, then turned over to R & D for test.

A. Hugick

G. When change in safety occurs, what is status of XP100?

J. Linde

## 2. M/788 - Safety and related problems.

A. Fit of Receiver to Stock - drawings transmitted to tie up dimensions of Barrel bracket slot and front take down screw hole in Stock to front take down screw hole in Receiver. Complete 12/30/75.

J. Linde

1. Process Engineering to correct process to new drawings.

B. Bosquet  
J. Bower

B. Double click safe - present process.

1. Chamfer on safety to new sample - complete 12/18/75.

C. Prosser

2. Stone c'sink on safety detent hole on safety.

C. Prosser

3. Triggers being used - not ground.

J. Bower

4. H. T. study on safety warpage.

G. Hill

C. Double click safe - future process.

1. Housing - sample of 27 available to model drawing dimensions.  
- Mill thickness of safety .349-.346

G. Hill  
D. Anderson

2. New type safeties - available.

3. Triggers - H. T. Study to be completed by 1/5/76. From these results M/D dimension to be determined. Ready 1/13/76.

J. Linde  
J. Bower


4. Receivers with new safety clearance cut - available approximately 1/15/76.

W. Cook

Program (cont.)

2. (cont.)

- C. 5. Assemblies to be made with these parts -  
1/15/76. J. Bower
- 6. New pin with shoulder - 250 samples to be  
made by R & D. J. Linde
- 3. M/700 Assembly - bolt closes hard.
  - A. Vendor was contacted on bolt plug problems  
on concentricity - threads to firing pin  
hole. B. Bosquet
  - B. New gaging to be investigated. B. Bosquet
- 4. M/700 Assembly - hard under rail
  - A. Supersheen operation to be reinstated on  
follower. J. Bower
  - B. Review radius on undersize of Receiver  
rails. Correct M/D to dimension needed. J. Bower  
J. Linde
  - C. Temp. operation in on Receivers to file  
bottom of right rail in magazine opening. J. Bower
  - D. Investigate polishing of follower - contact  
vendor for equipment. D. Anderson
  - E. Magazine spring retainer - should it be  
used in gun. J. Linde
  - F. Study needed on Stock for position of  
Barrel radius. This may contribute to  
HUR malfunction. G. Hill

by   
G. J. Hill, Supervisor  
for the Committee

GJH/bdm