

REMINGTON ARMS COMPANY, INC.

INTER-DEPARTMENTAL CORRESPONDENCE



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Lonoke, Arkansas
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TO: R. E. Fielitz
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FROM: P. S. Hebert (STA)

**REMINGTON ARMS AMMUNITION PROGRAMS
 ER&D FIELD GROUP HIGHLIGHTS REPORT
 MAY, 1983**

SHOTSHELL BODY FORMING

The machine system is reassembled and undergoing check-out while operating throughout the speed range, but without tooling. Key modifications made during the shutdown period included:

- Improved main cam lubrication
- New crosshead cam followers
- Increased preloading between crosshead followers and main cam to insure against separation
- Improved alignment

The schedule is to complete check-out with product by May 27, and begin production runs on June 1, 1983. Our immediate goal is to get the equipment back into full production status, then follow up with completion of manuals, acceptance testing, and project closing.

CENTER FIRE MODERNIZATION PROTOTYPES

The center fire modernization prototype equipment status is as follows:

Bullet Assembly:

Improvements to bullet grooving has resulted in acceptable groove depth control. Under limited testing, good product runs have been achieved with satisfactory machine performance. The machine has now been turned over to the Process Engineering group for more extensive testing and evaluation.

Jacket Draw:

Complete and in production use.

Header:

The machine is reassembled with a new in-line reject/recovery feature which allows the machine to reject backwards parts and handle unbalanced conditions at full operating speed. Prior to this improvement, the machine had to stop and go into reverse mode to recover.

The equipment will be back in operation the latter part of this week.

Turret Trim/Head Turn:

The equipment is now relocated with all modifications complete with the exception of new trim motors. The present air motors are being replaced because of poor life expectancy. The system will be turned over to production for extensive testing within the next three weeks.

Anneal/Taper/Anneal:

Debugging is nearing completion. An experimental run will be made later this week with an efficiency run scheduled for June 15, 1983. An early July turnover to Process Engineering is projected at this time.

Loading:

Debugging is well underway with the following projected events:

- Experimental run - June 8
- Efficiency run - June 22
- Turnover to Process Engineering - July 15

Quotes for 38 Special tooling to allow loader conversion from rifle to pistol have been received and the appropriate people advised.

bta