

March 3, 1993

TO: Ken Soucy  
FROM: Jim Ronkainen *JR*

SUBJECT: February 1993 Monthly Report

M/700 DM

The final drawing for the long action trigger guard casting is complete and has been sent to the vendor. The die cast tooling for the long action trigger guard was released in mid-February for build. The drawing for the short action trigger guard is being "drafted and sculpted" for the final drawing. An IGES file of the short action trigger guard will be sent to the vendor as soon as the modeling is complete. A prototype short action trigger guard is being made in the Tool Room.

Two prototype long action magazines were received from the vendor on 2/25/93. The boxes are being inspected to check with conformity to the print. After inspection, the boxes will be assembled and tested for feeding and function. The design for the short action magazine box was completed on 3/2 and sent to the vendor for prototypes.

Maurice Monteau and I visited S&K the week of 2/15 to discuss the stock design for the M/700 DM. Our consensus was that the stocks could be made on existing equipment with a programming change and new cutter at the current inletting operation. We also found that the inletting of the M/700 MR stock was shifted  $\sim .030$ " to the shooter's right with respect to the outside surfaces of the stock. If the inletting is not central to the outside surfaces of the stock, the magazine latch on the "thin" side of the stock extends too far beyond the side of the stock and can dig into your hand. The MR stock formers were shipped back to Ilion for inspection in the Tool Room to determine the cause of the inletting offset. Depending on the outcome of the inspection, the formers may need to be replaced. Walt Bazan and Gerry Helmer are running an experiment to determine the effect of finish build up on inletting depth dimensions of M/700 BDL stocks. Based on outcome of their experiment, we may alter the finishing process to minimize finish build up in the inletting.

Finished drawings for the MIM components of the M/700 DM will be available by 3/9.

M/700 SS for 1993

Trial and pilot for the M/700 SS has been moved from May/June to March by using synthetic stocks from Six Enterprises until Remington made synthetic stocks are available. Trial and pilot testing for this product line needs to be scheduled with the R&D Test Lab.

M/700 Synthetic Stock

The model drawing for the backer plate is complete. The model drawings for the recoil pad and the backer are underway and will be complete in approximately one week. Bob Sanzo has finished fixing the outside form of the stock and sent the data files to the vendor. Drawings for the stock will be started when detailing time is available in the CAD group.

M/700 Classic for 1994 - 6.5 x 55 Swedish Mauser

Transmittal of this drawing package has been held up pending the outcome of SAAMI's debate over accepting the CIP or the current SAAMI standards for this chamber and cartridge. The decision whether or not to keep the 6.5x55 as the 1994 Classic caliber will be made at the March Product Team meeting.

M/700 VS - Stainless Barrel

No activity.

M/870 Latches

The vendor had difficulty with cracking of the latch tips during forming. They have revised their tooling with our approval and the cracking has ceased. Small gauge latches are still not available due to the demands of the 12 gauge schedule.