

November 30, 1993

TO: Richard Jackson
FROM: Jim Ronkainen

SUBJECT: November Progress Report

M/700 DM (Detachable Magazine)

Phase III of the M/700 DM trial and pilot (T&P) for the long action standard calibers was successfully completed on November 9, 1993. Phase III of the T&P testing included function testing with a wide range of ammunition types as well as magazine interchangeability testing utilizing a variety of different caliber guns, boxes, and ammunition types. Introduction of the M/700 DM for 1994 has been delayed at marketing's request; the status of its introduction is presently unknown. Work continues on this program with reduced levels of overtime.

Production of the M/700 DM commenced November 12, 1993. Start up has been slow, with parts flow/shortages being the major holdup. Early gallery testing showed a tendency for the magazine box to 'g' forward under recoil and upset the finish of the wood stocks at the front of the trigger guard. Bob Sanzo in the R&D NC Shop is reworking the wood stocks to bring the inletting to the proper depth and to provide relief around the front end of the magazine box. Maurice Monteau has updated the inletting program for the Heian to incorporate the changes on future stocks from S&K. Removal of overspray on gloss black magazine boxes limits the number of carbon steel guns that can be built. With the help of the tool room, I have several promising glass bead blasting masking concepts being built. The best design will be implemented until the high temperature vinyl masks are ready for production in mid-December.

The first tooling samples for the magnum magazine box were received on November 23. The parts are in inspection and will be used for magnum T&P testing in early December. The previous difficulty installing a loaded magazine inside the gun was caused by the inletting of the stock being too deep. T&P stocks will be inlet to model drawing.

The short action prototype magazines were delivered on November 4. They have been delayed in first article inspection due to the start of production on the long action standard calibers. Design acceptance testing of the short action magazine boxes will resume in early December.

M/700 Synthetic Stock

No change since last month.

M/700 Classic - 6.5x55 Swedish

Examination of the rifles from the Writer's Seminar showed that the cartridge would "hang up" inside the bolt face of one of the rifles. To alleviate this situation, a new bolt head with a .007 larger counterbore diameter has been designed and will be implemented for production. The new bolt head will have an identification mark to distinguish it from the standard bolt head. Mike Keeney has assumed responsibility for this item.