

To: Ken Soucy  
From: Ken Rowlands/Tom Bauman

**MONTHLY REPORT - OCT. 1992: OVER/UNDER SHOTGUN**

A number of barrel assemblies of the latest side rib design have now been shot to determine accuracy. All exhibited the same unacceptably large point of impact spread between the top and bottom barrels. The solution appears to be to converge the barrels at the muzzle. A number of barrel assemblies have been modified and tested, with the best results so far provided by a convergence of .110". An optimum convergence and a satisfactory process to accomplish this is still being investigated. This change will also affect a number of additional parts as well as project timing, which cannot yet be determined.

The first draft of the owners instruction manual is complete and is circulating. The goal is to have it ready to go to the printers by mid November. Work has started on the field service manual.

The packaging insert vendor has not yet started to build the mold for this part, which will take ten weeks to complete. The delay has been caused by our inability to provide the five guns required for the shake test. We have now requested that the mold be built in spite of not performing this test.

Suitable processes for hardening the frame have been investigated and a preferred process selected. Unfortunately this cannot be performed at Ilion. A number of frames should be ready to ship to the heat treat vendor by Nov.9 to confirm that the process has no adverse dimensional affect. Frames for the Gun Writers Seminar will not be heat-treated.

The endurance test gun that survived the intentional abuse test has now been drop tested successfully from a height of eight feet.

The Engineer responsible for setting up the assembly process has been instructed on the procedure developed by R & D, as well as the hand tool requirements. If time allows, plant assembly personnel will be invited to observe and assist in the assembly of the guns for the writers seminar.