

25 June '92

To: Ken Soucy
From: Tom Powers
Subject: Monthly Report for June '92

M/OU Barrels & Vent Rib

Prototype side ribs have been made in the tool room with a set of roll-forming dies. Laying the ribs in place on current barrel assemblies (which will not retain the ribs) indicates a good fit. Barrel assemblies with the correct mating parts will not be available until July 10 at the earliest. Square Stamping will get the contract to make the part. They have requested we buy extruded blank stock for them to form. We are proceeding with this action. We are also proceeding with prototype side ribs made from aluminum. Development processing of the 4140R material for the barrels is proceeding. The July 10 prototypes will be made from it.

M/11-87 Sporting Clays

No change on new choke development. General Schwarzkopf's gun will not be ready until August because of the unavailability of a left-hand barrel.

M/11-87 European

One butternut stock has been endurance tested on a M/870 to 4,000 rounds with no problems. The actual weight difference between it and the walnut stock it replaced was only four ounces!

M/870 & M/11-87 Upgrades

We will issue a new barrel assembly drawing to account for processing procedures.

M/870 & M/11-87 Magazine Follower

One cavity of the mold will be revised to produce parts to the latest design (internal geometry which prevents the duck plug from impacting the mold gate), for acceptance testing. Prototypes will not be available until after shutdown.

Detachable Recoil Pad

Modeling of the butt end of the stock is nearly complete. Once finished, the designs for the insert, pads and Norbide can begin. Estimated completion is the end of July.

M/870 Mil-Spec 3443E

The Army awarded the contract to Mossberg!

M/870 Action Bar Lock

The prototype bar locks with the tip geometry similar to that of the M/11-87 disconnecter were assembled and tested. They did not solve the problem. Four prototypes with a extra tab at the rear of the left action bar (and a corresponding notch in the slide) have been assembled and bench tested. This design will solve the problem but requires tooling changes for both parts. H&P has been requested to provide an estimate of cost and timing to do this.

Turkey Choke

The remainder of the required ammunition has arrived. Completion of this testing is tentatively scheduled for the week following shutdown. The approximate part cost is \$9 (\$5 for material and machining + \$4 for ECM rifling). Our vendors have to be notified no later than the first week of August to make '93 production.

20 Ga. Rifled Barrel

Testing of the samples in Lonoke indicate results similar to those obtained with the 12Ga. fully rifled barrel. Accuracy is the same as or better for Foster-type slugs, when compared to smooth barrels. The greatest improvement with 12Ga. occurred with sabot slugs. There are no 20Ga. sabot slugs on the market. *YET*

Shotgun POI

To be resumed in July.