

FIREARMSSHOTGUNSMODEL 1100 AUTOLOADING SHOTGUN12 GaugeManufacturing Costs

Production compared the Model 1100 manufacturing costs to date against the Project and the improvements forecasted in May. The respective comparisons are shown in Table 1 and Figure 1, attached. August's factory cost was \$2.34 over the first year Project estimate and \$3.21 more than the July cost. A reduction in the number of guns produced to the warehouse caused by the vacation shutdown increased the unit expense and burden applicable to the model. Material cost is showing continued improvement but it, as well as labor cost, exceed project estimates. September costs will be lower than August and should be nearer to \$57.00. Twenty-two cost improvement items are currently being followed on this model. The Fire Control is being reviewed for long range improvements such as a change in the Trigger Plate Casting and refinements in trigger pull.

The desirability of high gloss in the RK-W finish on the stock and fore end was discussed, but Sales reported no adverse criticism from the field.

Improvement to the Gas System

Research and Development is currently testing an "O" ring of a high temperature and corrosion resistant material to replace the present metal barrel seal. The mouth of the Gas Cylinder is also being chamfered as an aid in power improvement. It is anticipated that these changes will improve power on light loads and have no adverse effects with heavy loads. Extended testing will be conducted by R & D before a firm recommendation to change is made.

Production indicated that final test failures for "don't blow back" which could be attributed to low power have stabilized at 5% since June. The Sportsman 58, during its high production period, experienced a 2% test failure level for "don't blow back".

Research and Production were requested to continue reporting on the status of this development.

Gun Functioning With SP Target Load

Testing with the SP target load with power piston is continuing.

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