

MINUTE # 10 - MAY 19, 1982

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SUBJECT: MODEL 700 TRIGGER PULL SPECIFICATIONS

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Production reviewed the current standards and proposed changes to the Model 700 Trigger Assembly.

The Model 700 Trigger Assembly is adjusted with the aid of a 10 power optical comparator. The Trigger Assembly is held in a special fixture on the comparator while the operator makes the following adjustments to preset limits:

- o Sear engagement is adjusted to give .015 - .020 of an inch bearing on the Trigger Connector (Specifications .015" - .020".)
- o Trigger overtravel is adjusted to yield .005 inch clearance between the Connector and Sear.
- o Trigger pull is adjusted with a dead weight of four pounds. (Specifications 3 to 5 pounds.)

The safety mechanism cams the Sear Safety Cam away from the Connector, disengaging the Trigger. The clearance is presently checked with shim stock through the inspection hole. For improved operator convenience this technique will be replaced by a special gage which fits in the bolt slot and measures the sear lift with a dial indicator. The gages are on order and implementation is expected in three months.

It is proposed the Trigger Assemblies be lubricated with a recently developed improved lubricant. All the process equipment required has been received and it is expected Research will complete the lubrication testing by June 1, 1982.

To improve the yield of chrome plated Sear Safety Cams, Trial and Pilot parts are being run with an additional sintering operation. This added operation will decrease the porosity of the powdered metal part, improving its plating properties.



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