

Remington Arms Technical Center

**Project Name:** Model 700 EtronX Varmint (EV) **Revised:** 3-6-00  
**Project Number:** 241039  
**R&D Engineer(s):** Jim Ronkainen, Mike Pendleton **Marketing Manager:** Al Russo  
**Plant Contact:** John Mroz

**Status:**

- ρ Results from January ammunition process confirmation test - 0 misfires in 9600 rounds.
- ρ Safety operating force measurement fixture shipped to Ilion 1/21/00.
- ρ Ball plunger for safety operating force enhancement transmitted to Ilion on 1/24/00.
- ρ Final transmittal of design package to Ilion (including formal turnover of the CAD databases) completed on 2/8/00. All future design changes are to be handled by Ilion.
- ρ Instruction Book is complete. First copies received from printer.
- ρ Five guns built for another 10K round ammunition process confirmation test. Test to commence on 3/6/00.
- ρ Made trip to Ilion on 2/16-17 to support T&P testing. Helped manufacturing identify the causes of several issues seen in T&P testing.
- ρ At Ilion's request, completed tolerance stack analysis for stock blindmate board slot position for stock vendor.
- ρ Start of drop/jar-off/rotation testing delayed due to other time commitments. Vendor found for trigger CG eccentricity measurement for minimum trigger pull testing. Measurement of CG eccentricity of 27 triggers (22 machined, 5 MIM) completed 2/14/00. Triggers assembled and set 3/1/00. Request to production for 50 trigger assemblies to increase sample size made 3/3/00. All testing to be complete by 3/31/00.

**Issues:**

1. 50 production trigger assemblies needed ASAP for minimum trigger pull force testing.

**Action Items:**

Action Item	Status	Responsible	Date
1. Finalize changes for ball plunger and transmit	Complete	Ronkainen	1/24/00
2. Ship safety force fixture to Ilion	Complete	Ronkainen	1/21/00
3. Final transmittal of <u>all</u> databases and drawings to production	Complete	Ronkainen Pendleton	2/8/00
4. Finalize Instruction Book	Complete	Smithson Ronkainen	2/1/00
5. Minimum trigger pull force testing vs. trigger CG eccentricity	Triggers set awaiting test. Requested more trigger assemblies from production.	Ronkainen	3/31/00

**Schedule / Key Milestones:**

Milestone	Original Date	Current Date
DAT Complete	9/15/98	7/1/99
T&P	1/15/99	2/00
Warehouse Position	3/15/99	2/20/00
Year of Introduction	1999	2000

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