

[Objectives]

- Design a less expensive alternative to the X-Mark Pro
 - Block trigger when gun is in safe
 - Return trigger to minimum engagement when moved from fire to safe
 - Remove the connector
- Address other manufacturing concerns associated with the current 770 FC

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[Meeting Project Objectives]

- Add as few new parts as possible
 - Total part count is unchanged
- Keep the current plastic receiver insert with modifications
- Utilize a proven safety design
 - X-Mark Pro safety arm
- Provide adjustable translating trigger block

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[Parts]

- New Parts

- Receiver Insert
- Side Plate
- ✓ Trigger
- Trigger Block
- Trigger Block Screw
- Safety Arm (possibly X-Mark Pro)
- Safety Detent Spring (possibly X-Mark Pro)
- Safety Pivot Pin
- Engagement Screw

- Obsolete Parts

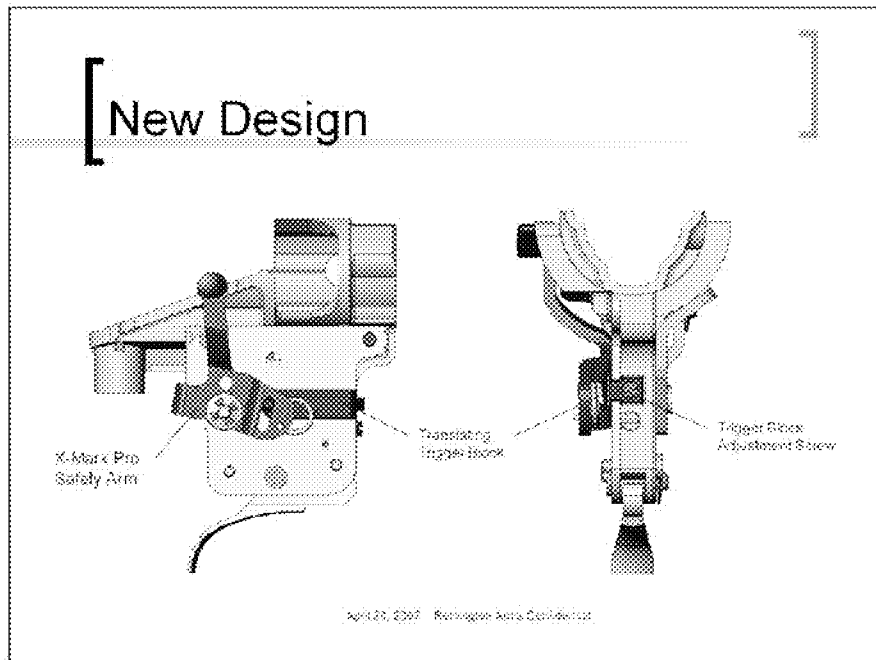
- Over Travel Screw
- Connector

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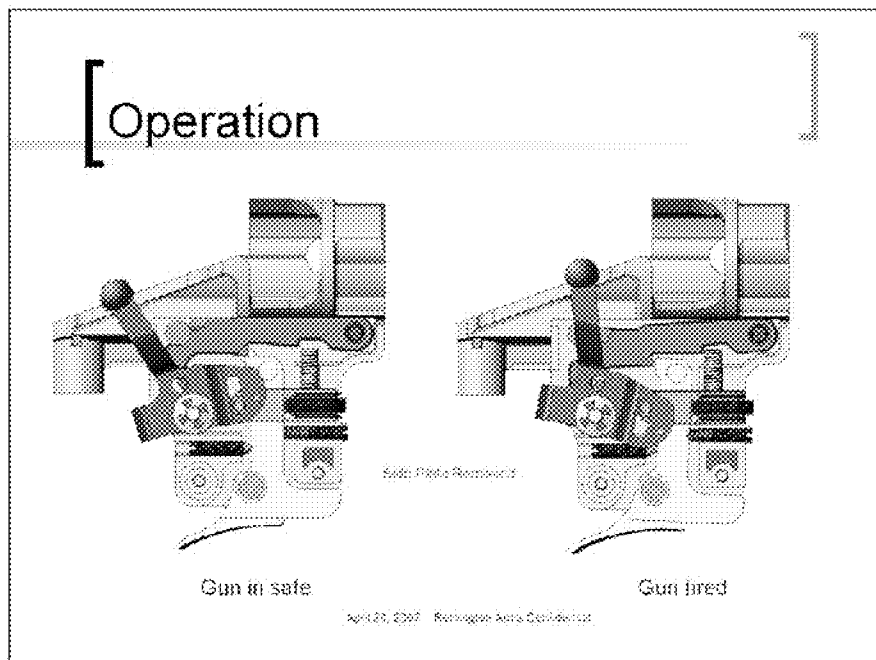
Potential Tooling Required

- Receiver Insert
 - New injection molding tool
 - Possibly can modify existing tooling
- Trigger and Trigger Block
 - New MIM tool required for both
- Side Plate
 - New stamping tool
 - Possibly can modify existing tooling
- Safety Arm
 - New stamping tool
 - Possibly can add use X-Mark Pro safety arm

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[Technical Issues]

- Stability/Rigidity of the plastic insert
- Permanent fixing of the engagement screw in the plastic receiver insert
 - Recess head in housing and fill in
- Balance Trigger
 - Trigger is balanced within .003" in x direction and .002" in y direction
- Assembly issues/Design for assembly

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[Action Items]

Action Item	Status	Responsible	Due Date
Order EET Parts	On Order	Norton/McCollum	4/23/07
FEA of New Trigger	In Progress	Davidson	4/25/07
Write EET Test Plan	Pending	Norton/Dennison	5/18/07

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[Schedule]

- Prove out concept using rapid prototypes
 - Complete – January 9, 2007
- Order EET parts
 - April 23, 2007
- Build EET guns (3)
 - May 23, 2007
- Complete EET
 - June 8, 2007

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