

- BUSHING DESIGN?

Bolt Action Maintenance Review

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Remington Arms Confidential

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Agenda

- ☐ Project Design Objectives
- ☐ Safety Pivoted Link Design Highlights
- ☐ DAT Scope and Key Activities
- ☐ Specification Comparison
- ☐ Project Status
- ☐ Important Items

Project Design Objectives

☐ Design Requirements (Must Have)

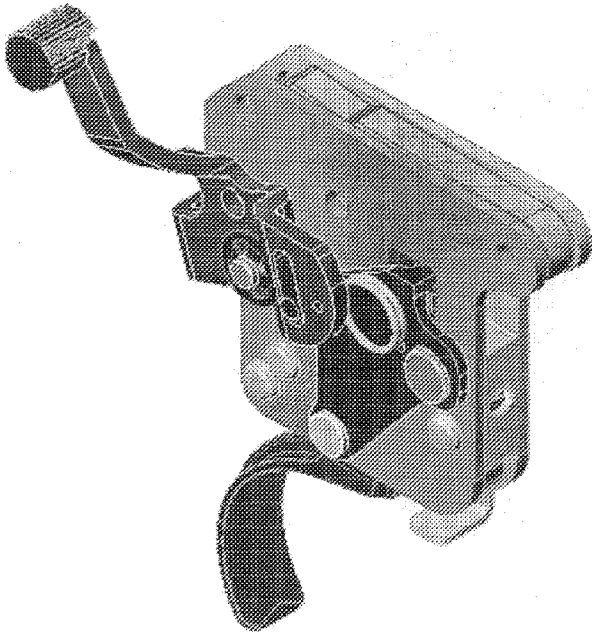
- ✓ Positive return of trigger to at least 75% of full engagement when safety is in SAFE position
- ✓ Safety must not return to SAFE position if return to 75% of full engagement is not possible
- ✓ Block trigger when safety is in SAFE position
- ✓ Fit into a M/700 and M/7 action

Project Design Objectives (cont'd)

☐ Optional Features (Nice to Have)

- ✓ Block both trigger and sear in SAFE position
- ✓ Corrosion resistant construction
- ✓ No or minimal lubrication required
- ✓ Tamper resistant
- ✓ Same or fewer parts than the current trigger assembly
- ✓ Improved performance characteristics
- ✓ Design portable to the M/710

Safety Pivoted Link Design Highlights



□ Features

- ✓ Balanced trigger
- ✓ Sear lifted and trigger blocked
- ✓ Trigger blocking controlled in both directions by safety
- ✓ Sear stays in housing when disassembled from action (no additional parts required)
- ✓ Factory adjustment of engagement, trigger pull, and blocker
- ✓ Excessive trigger force causes safety engagement to increase
- ✓ Tamper evident
- ✓ LH trigger assembly only requires 4 different parts than RH

Design Selection for DAT

☐ Safety Pivoted Link Design

- ✓ Meets all primary and “nice to have” design objectives
- ✓ Drops into all stocks *except HS Precision* without stock modification © BELL & CARLSON
- ✓ Easier to assemble and make settings – similar to current methods
- ✓ Controls trigger blocking means at all times
- ✓ More consistent safety operating forces
- ✓ Easier to service
- ✓ Requires less capital tooling to produce LH version