

2006 New Rifle Products

Model Seven CDL

To capitalize on the momentum and acceptance created in the marketplace over the Model 700 CDL, the Model Seven line will be upgraded for 2006 to include a classic styled, straight comb stock with black fore end tip and grip cap and R3 recoil pad. The new offering will replace the current Model Seven LS line in the catalog offering.

Model Seven CDL

- Scaled down version of M700 CDL
- Black FE Tip, Black Grip Cap
- R3 Recoil pad
- 20" bbl on std SA cartridges
- 22" bbl on SA Magnum Cartridges
- Satin Blued metal (clean barrels)
- Replaces Model Seven LS

FCST Volume	Incremental Volume	Margin \$	Margin %	Total Margin \$
5450	65%	\$ 202.00	44%	\$ 1,100,900.00

Model 750 Woodmaster

The Model 7400 line has been historically plagued with performance issues. Discussions with manufacturing have resulted in a position that the current Model 7400 design is a "design on the edge" where issues relating to hand finishing and gas system design (primarily orifice optimization and location). While there is a new development project on the R&D schedule for an entirely new auto loading center fire design, the horizon for that project is at least two years out. The Model 750 project is a stop-gap measure implemented by manufacturing to improve the rifles performance over a broader range of ammunition. At the same time, the cosmetics of the rifle have been enhanced and brought up to 21st century standards with an improved fore end design, modern laser checkering and a R3 recoil pad.

Model 750 Woodmaster

- Replaces Model 7400 Wood offerings
- Restyled Fore End and Stock
- R3 Recoil pad
- Improved gas system for better reliability

FCST Volume	Incremental Volume	Margin \$	Margin %	Total Margin \$
10800	28%	\$ 142.00	32%	\$ 1,533,600.00

Model 700 CDL Limited Edition

The Model 700 Limited Edition classic rifle reached the 25th anniversary mark in 2005. Demand for the current offering has diminished significantly over the past five years. It was the belief of Marketing that 25 years marked a good point to bring closure to this particular chapter in Remington rifle history. It is the opinion of Sales and Marketing that the rifle category could benefit from a fresh line of Limited Edition Model 700 rifles. The product chosen will be a stainless steel version of the current Model 700 CDL. The receiver will be roll marked "Model 700 Limited" to further stimulate consumer perceived value as a "collectible". The first year's edition will be a commemorative marking the 100th anniversary of the .30-06 Springfield cartridge.

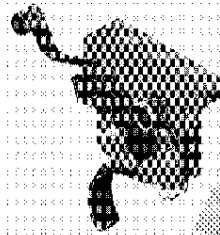
Model 700 CDL Limited Edition

- CDL Stock w/ Stainless Action
- Rolled Model 700 Limited
- 2006 offering as 100th anniversary commemorative of the .30-06 Springfield

FCS Volume	Incremental Volume	Margin \$	Margin %	Total Margin \$
1500	Replacement	\$ 248.00	48%	\$ 372,000.00

**Model 700/Model Seven
Trigger Assembly Review
(Safety Pivoted Link Design)**

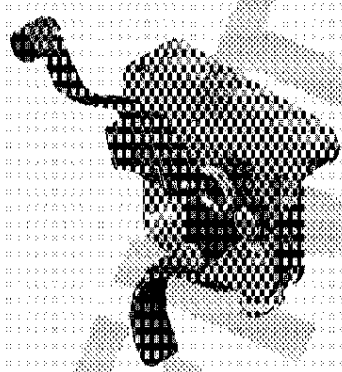
Safety Pivoted Link Design Highlights



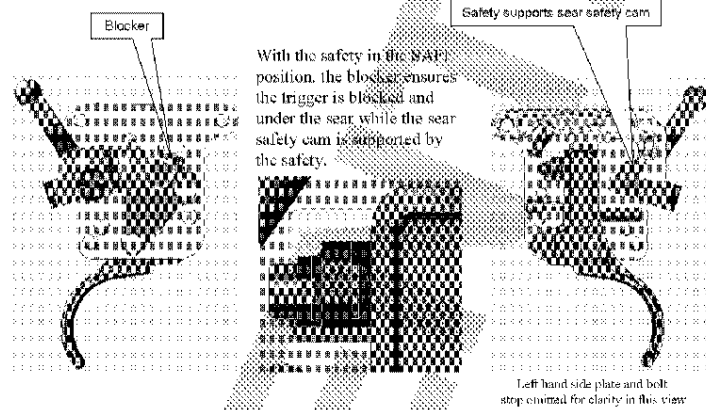
Features

- Improved out-of-the-box feel
- Better surface finish on key components for crisper trigger pull
- Designed to accommodate all products in the Model 700 and Model Seven families
- Design allows for lower trigger pull settings from the factory
- Enhanced corrosion resistance
- Operates like current fire control
- Safety blocks sear and trigger
- Trigger pull adjustable by Authorized Repair Centers

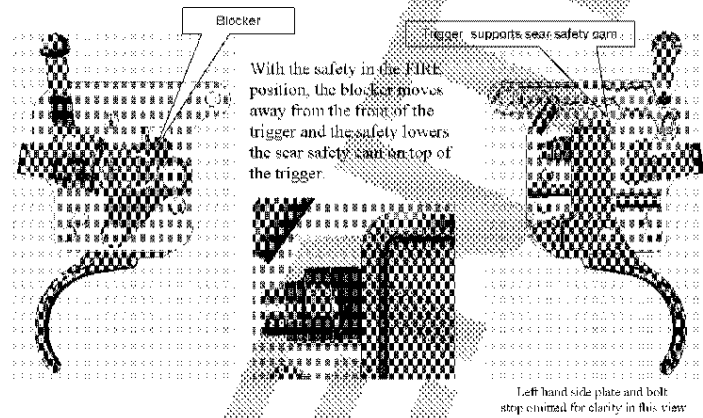
How The SPL Trigger Assembly Works



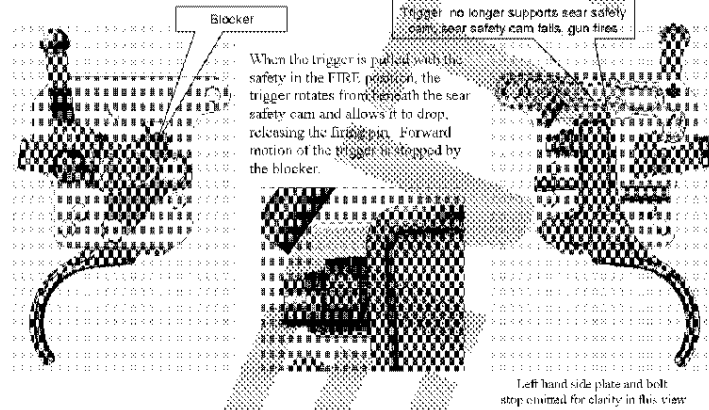
Safety in SAFE Position

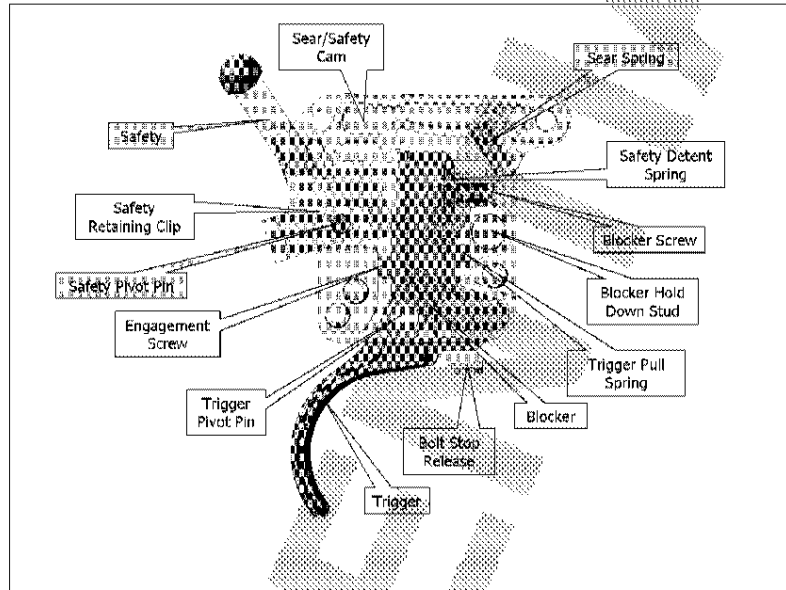


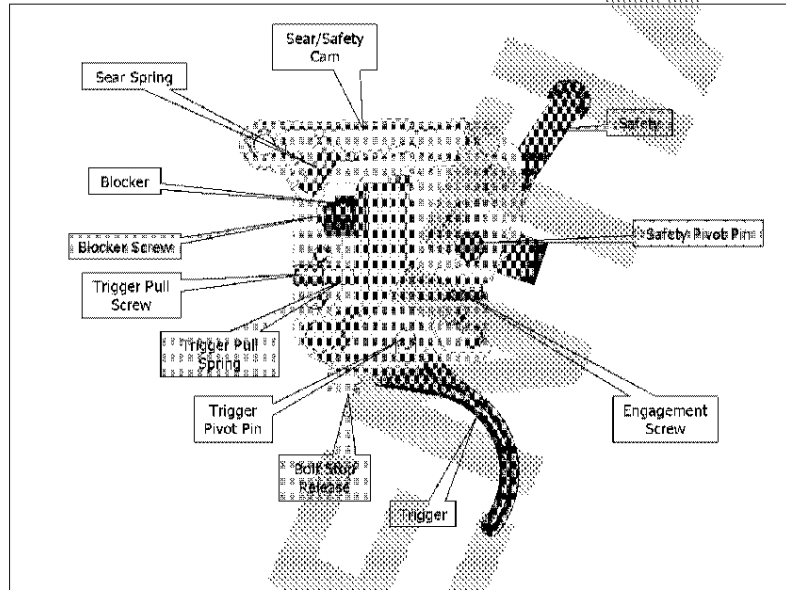
Safety in FIRE Position



Trigger Assembly - Fired







Development Items - Rifles

2007 and Beyond

Model 710 Short Action

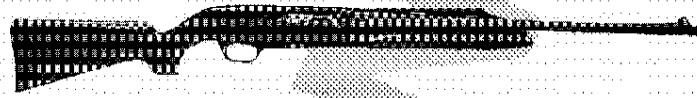
- Short Action version of Model 710 chambered for .243 Win (other calibers such as .308 Win, 7mm-08 Rem can expand on same platform)
- Utilizes existing long action receiver and stock
- Magazine box utilizes a rear spacer to accommodate short action rounds
- Capital and Ops required = \$160k
- Question – Do we spend the capital in 2005?
- Capacity at Mayfield – Do we expand?

FCST Volume	Incremental Volume	Margin \$	Margin %	Total Margin \$
10000	100%	\$ 122.00	48%	\$ 1,220,000.00

NEW CENTER FIRE AUTO LOADING RIFLE

Product Over-View
and Status

NCAR Prototype



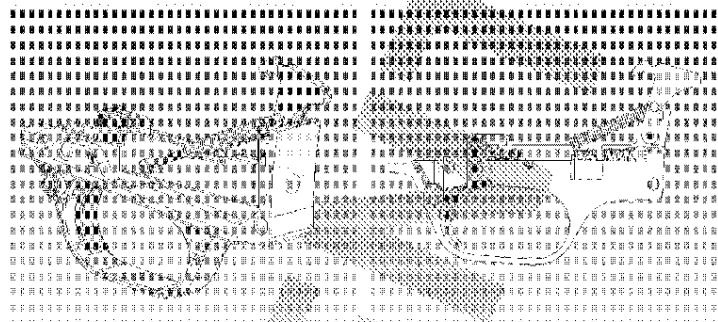
Magnum Capable Receiver, 7075 Aluminum

Bolt Assembly, 3 Lug Bolt Head

CONFIDENTIAL

Detachable Rear Stock Fixture for Maintenance

NCAR Fire Control

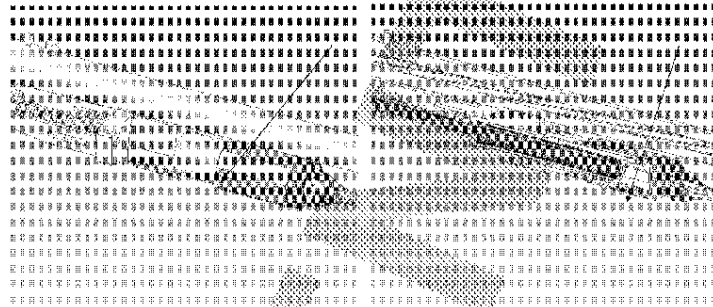


Incorporation of Existing M700 DM Magazines

Incorporation of Enidine Recoil/Rate Reducer

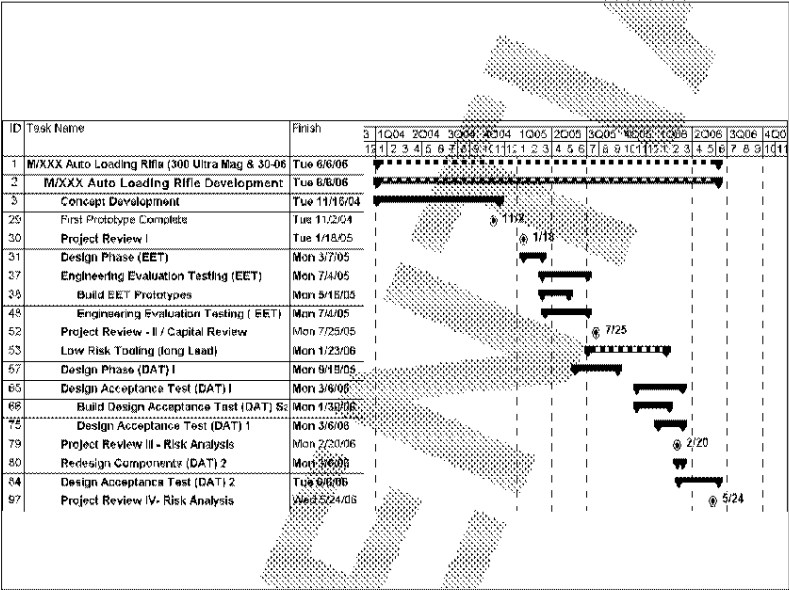
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NCAR, Kinetic Energy Gas System (Similar to Browning BAR)



NCAR STATUS

- Key Features:
 - Incorporates a modified standard M700 DM magazine
 - Recoil/Rate Reducer
 - Gas system easy to disassemble for cleaning
 - Built in gas cut off for enhanced reliability
 - Bolt hold open release not mounted on magazine
 - Rear stock attachment system allows for easy removal
- EET Status:
 - Prototypes built by May 20th
 - Testing complete by end of June
 - Received revised prototype stock
- Design Concerns:
 - Not Proven Gas and Fire Control Systems
 - Weight Requirement
 - Magnum Rifle not to exceed 7.25 lbs
 - Obtained by standard configuration?

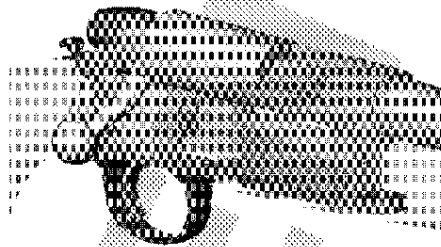


MODEL 504 HORNET

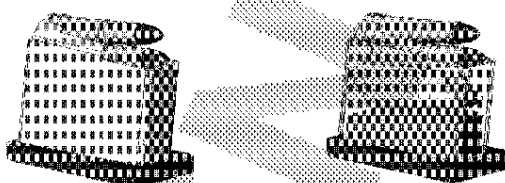
.22 and .17 Caliber Development

MODEL 504 CENTERFIRE

Utilizes common Model 504 rimfire components
with the same overall receiver length

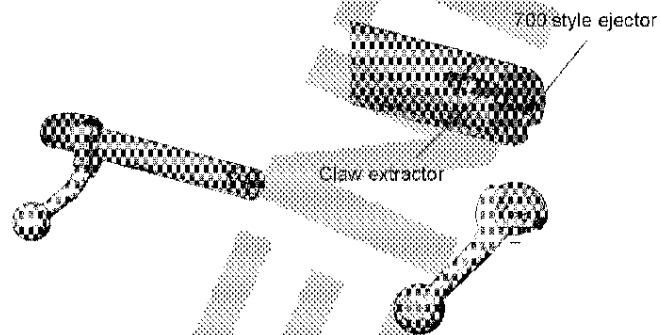


M504 CENTER FIRE MAGAZINE BOX



4-Round detachable magazine box

M504 CENTER FIRE BOLT ASSEMBLY



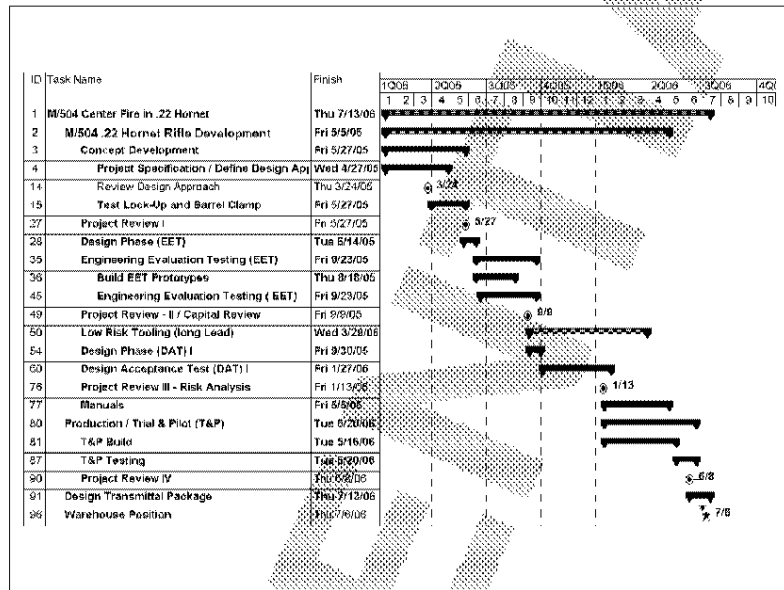
M504 CENTER FIRE FIRING PIN ASSEMBLY

New firing pin tip & main spring utilizing
the same M504 rimfire design



M/504 CENTER FIRE .22 HORNET

- Component Design Changes Include:
 - Magazine:
 - Magazine Box, Follower, Spring, Box Bottom
 - Bolt:
 - Bolt Body, Main Spring, Firing Pin, Extractor, Ejector
 - Stock and Receiver:
 - Enlarge Magazine Well
- Design Concerns:
 - Center Fire Chamber Pressure
 - 17HMR Pressure
 - 26K PSI
 - 22 Hornet Pressure
 - 43K PSI
 - Verification of Lock-Up and Barrel Clamping System
 - Test Complete by 5/25/05
- Capital Expenditures
 - Mayfield estimates \$150k in Capital and Ops

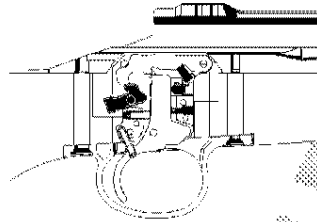


**40X SPL Replacement Trigger
Assembly**

Approach

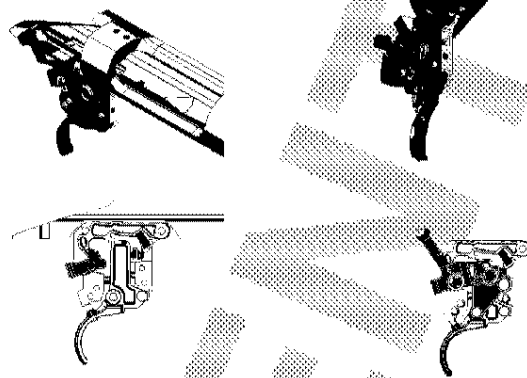
- Use SPL design as starting point
- Minimize creation of new parts
- Meet performance metrics of current XR-100 trigger assembly

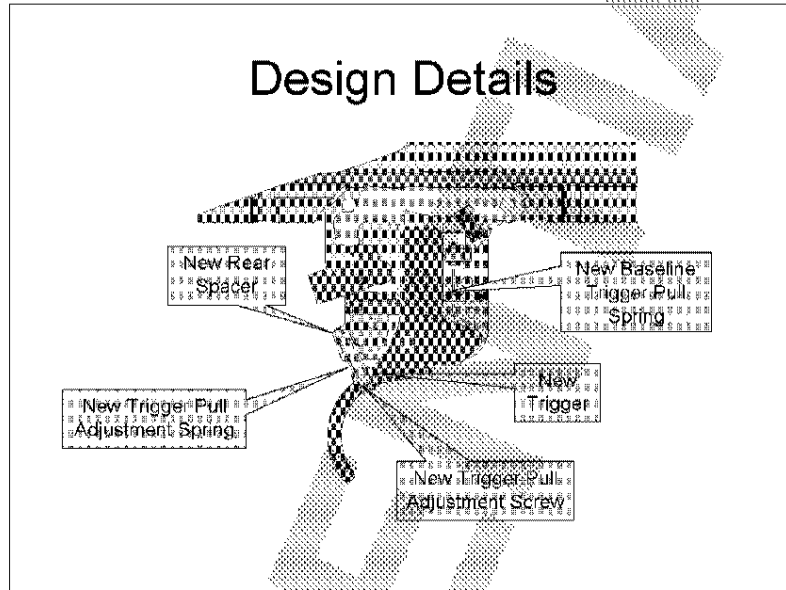
Design Highlights



- "Plug compatible" with current trigger assembly
- Minimizes use of new parts
- Adjustment spring is permanently captured in trigger assembly, even if adjustment screw is removed
- Provides better access for trigger pull adjustment than current design

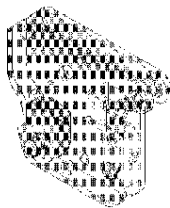
Trigger Assembly on Action





Trigger Housing

- Rear spacer of LH side plate removed and replaced with PM rear spacer



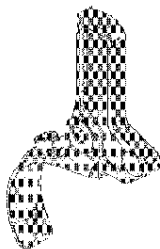
Rear Spacer



- PM part with rivet holes in blank (same concept as current trigger assembly)
- Engagement screw hole and trigger pull adjustment spring done after assembly

Trigger

- Design same as current SPL trigger except screw boss molded as part of trigger blank



Schedule

ID	Task Name	Duration	Start	Finish
1	doX SPL Trigger Assembly	157 days	Wed 4/27/85	Thu 12/19/85
2	Design	33 days	Fri 5/15/85	Tue 6/18/85
11	Build BRT	57 days	Wed 4/27/85	Thu 6/20/85
20	Engineering Evaluation Test	15 days	Fri 7/1/85	Thu 7/21/85
30	Redesign	15 days	Fri 7/2/85	Thu 8/1/85
02	Build DAT	69 days	Fri 8/12/85	Thu 9/26/85
39	Design Acceptance Test	20 days	Fri 11/4/85	Thu 12/14/85

- Program timing tied to SPL T&P to provide parts
- Use of internal resources wherever possible to gain upfront experience with design

Status

- Initial design complete
- Sample two piece prototype trigger made
- Remaining SPL parts on order with plant
- **Note: this project is unbudgeted**