

***Remington®***

1999

Writer's Seminar

2000 Firearms Workshop

## **1999 Firearms Business Review**

- Enjoyed double digit increases in order volume in most major product categories.
- Firearm production frozen at 1998 levels, resulting in some supply shortfalls.
- New products for 1999 were exceptionally successful.
- Key financial metrics show continued improvement.

## **Business Outlook for 2000**

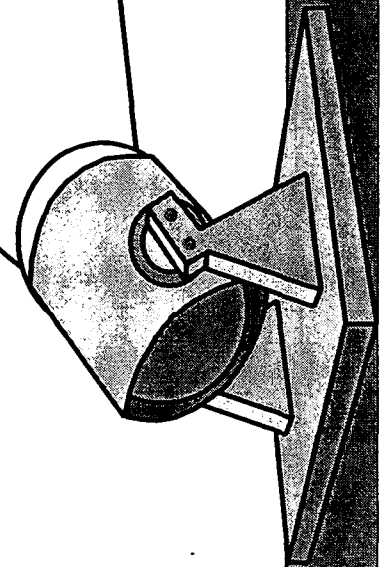
- Exceptionally low trade inventories will provide positive industry momentum for most of next year.
- Election year politics are likely to create another run on firearms and ammunition products.
- Industry and trade consolidation will continue at an accelerated pace
  - FFL Reductions
  - Health of Firearm Manufacturers.
- Additional government regulation of the industry, its' trade channels and its' end user's are highly probable.

## **Strategic Initiatives**

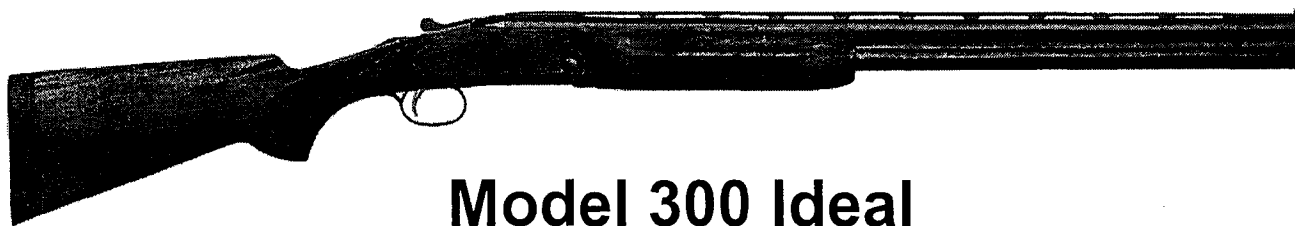
- Continue aggressive capital investment in plant equipment and operating systems.
- Lower cost with continued improvement in quality.
- Keep supply tight.
- Lead the industry with innovative new products
  - A new era for our firearm business

## Three Major New Products for 2000

- Two new shotguns
- One new centerfire rifle



## New Field Grade Over and Under Shotgun



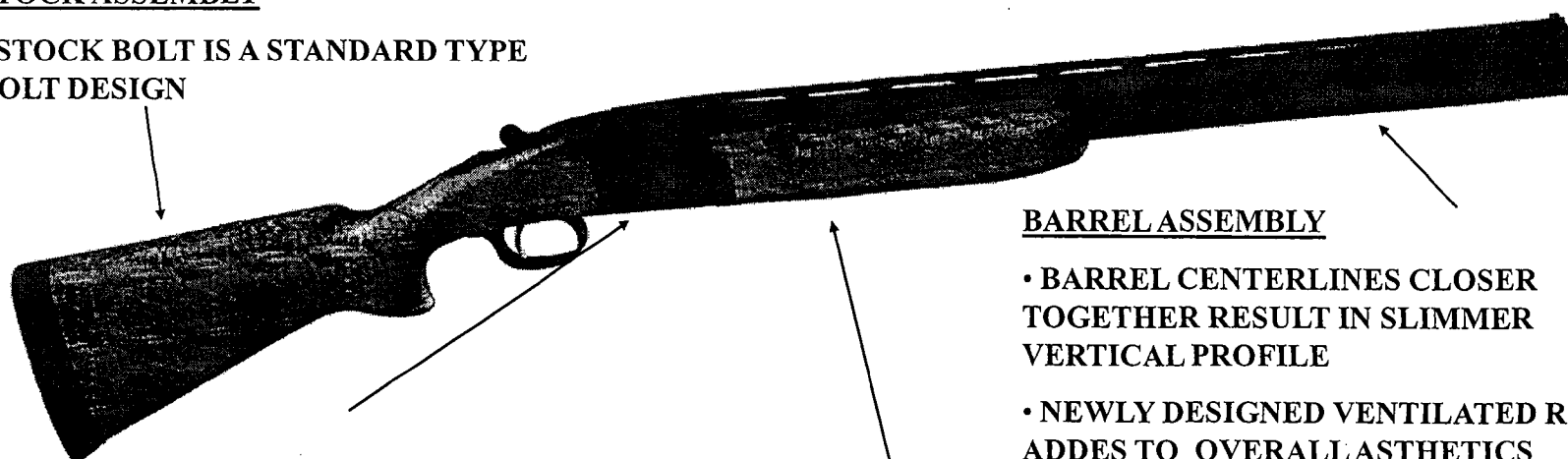
**Model 300 Ideal**

- Box lock with mechanical triggers
- Re-designed barrel and rib assembly
- Re-designed fore-end and latching assemblies
- New two piece safety/barrel selector
- Improved fits and finish
- New stock and fore-end designs
- MSRP \$1999

# Remington 300 Ideal - 12 Gauge Over/Under

## STOCK ASSEMBLY

- STOCK BOLT IS A STANDARD TYPE BOLT DESIGN



## BARREL ASSEMBLY

- BARREL CENTERLINES CLOSER TOGETHER RESULT IN SLIMMER VERTICAL PROFILE
- NEWLY DESIGNED VENTILATED RIB ADDS TO OVERALL AESTHETICS

## FRAME

- STYLISH DESIGN BLENDS WITH MONOBLOCK, STOCK AND FORE-END ASSEMBLIES

## FORE-END ASSEMBLY

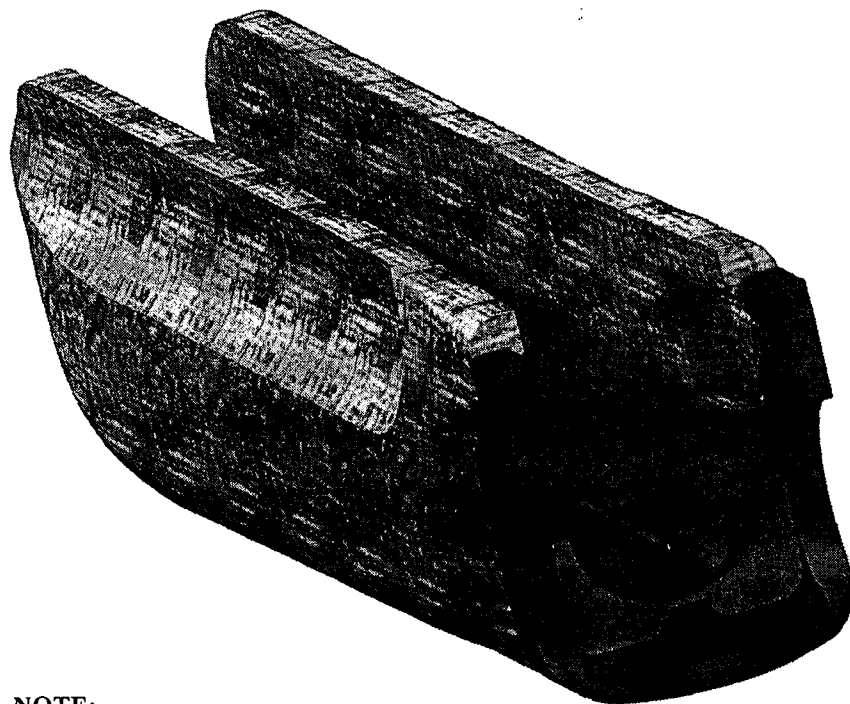
- ATTRACTIVE AND RELIABLE FORE-END LATCHING SYSTEM
- REPLACEABLE HARDENED STEEL PLATE FOR INCREASED WEAR RESISTANCE WHEN COCKING HAMMERS

### NOTE:

STOCK and FORE-END SHAPES SHOWN ARE APPROXIMATIONS OF

THE ACTUAL DESIGN

## 300 Ideal - Fore-end Assembly



NOTE:

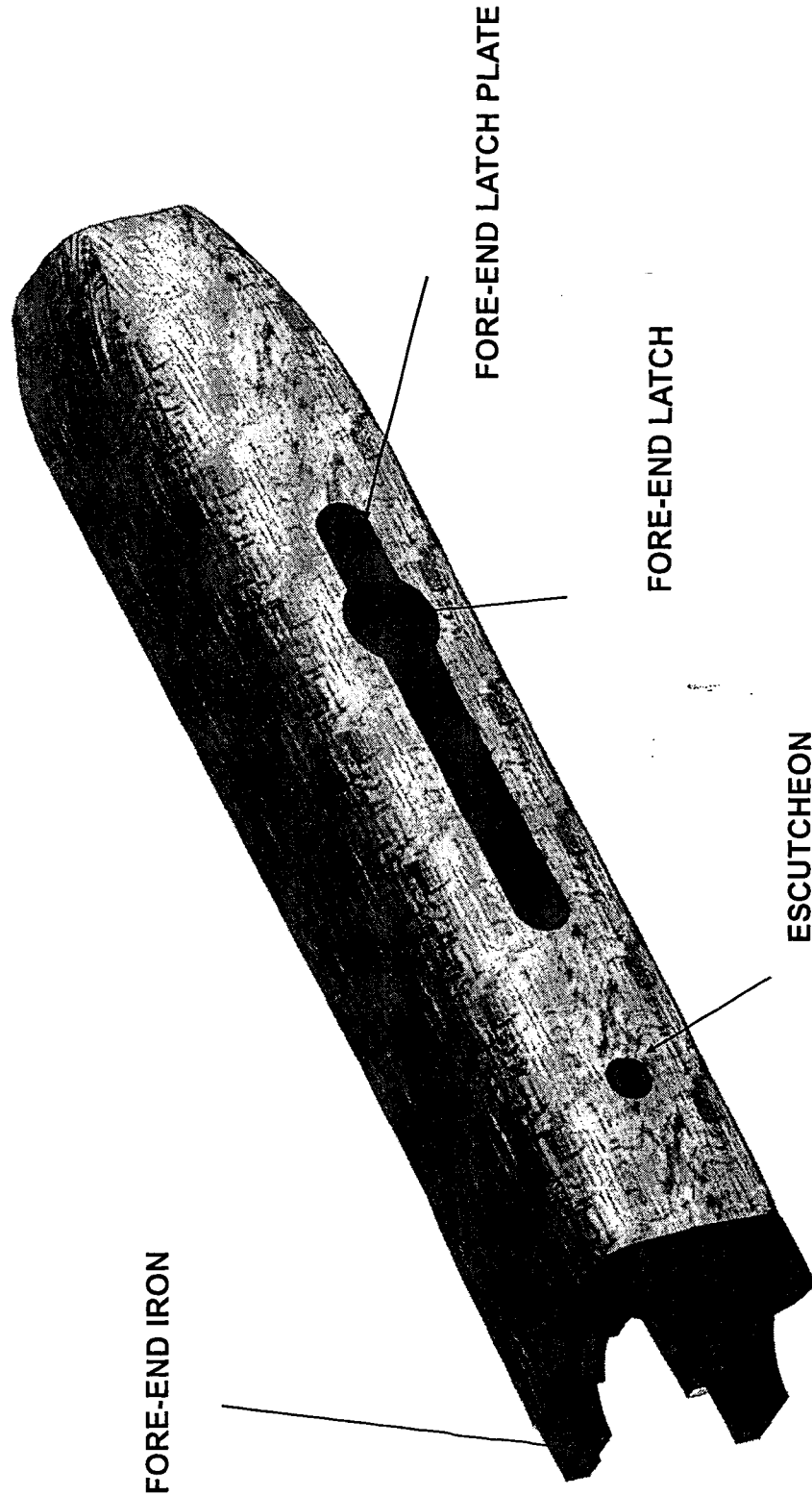
FORE-END SHAPE SHOWN IS AN  
APPROXIMATION OF THE ACTUAL  
DESIGN.



**HARDENED STEEL PLATE RESISTS WEAR  
FROM HAMMER COCKING RODS  
(REPLACEABLE IF NEEDED)**

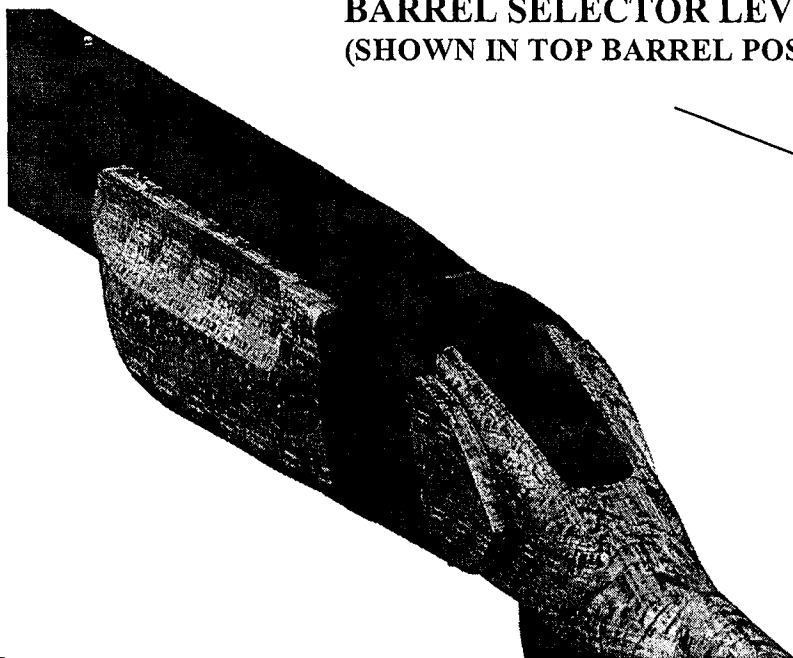


## 300 Ideal - Fore-end Latching System

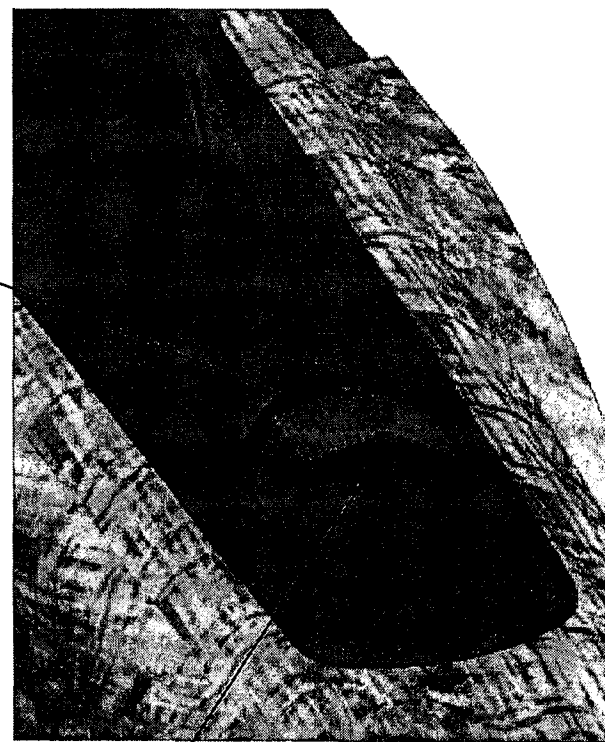


## 300 Ideal - Two Piece Safety System

BARREL SELECTOR LEVER  
(SHOWN IN TOP BARREL POSITION)



NOTE:  
STOCK and FORE-END SHAPES  
SHOWN ARE APPROXIMATIONS  
OF ACTUAL DESIGN.

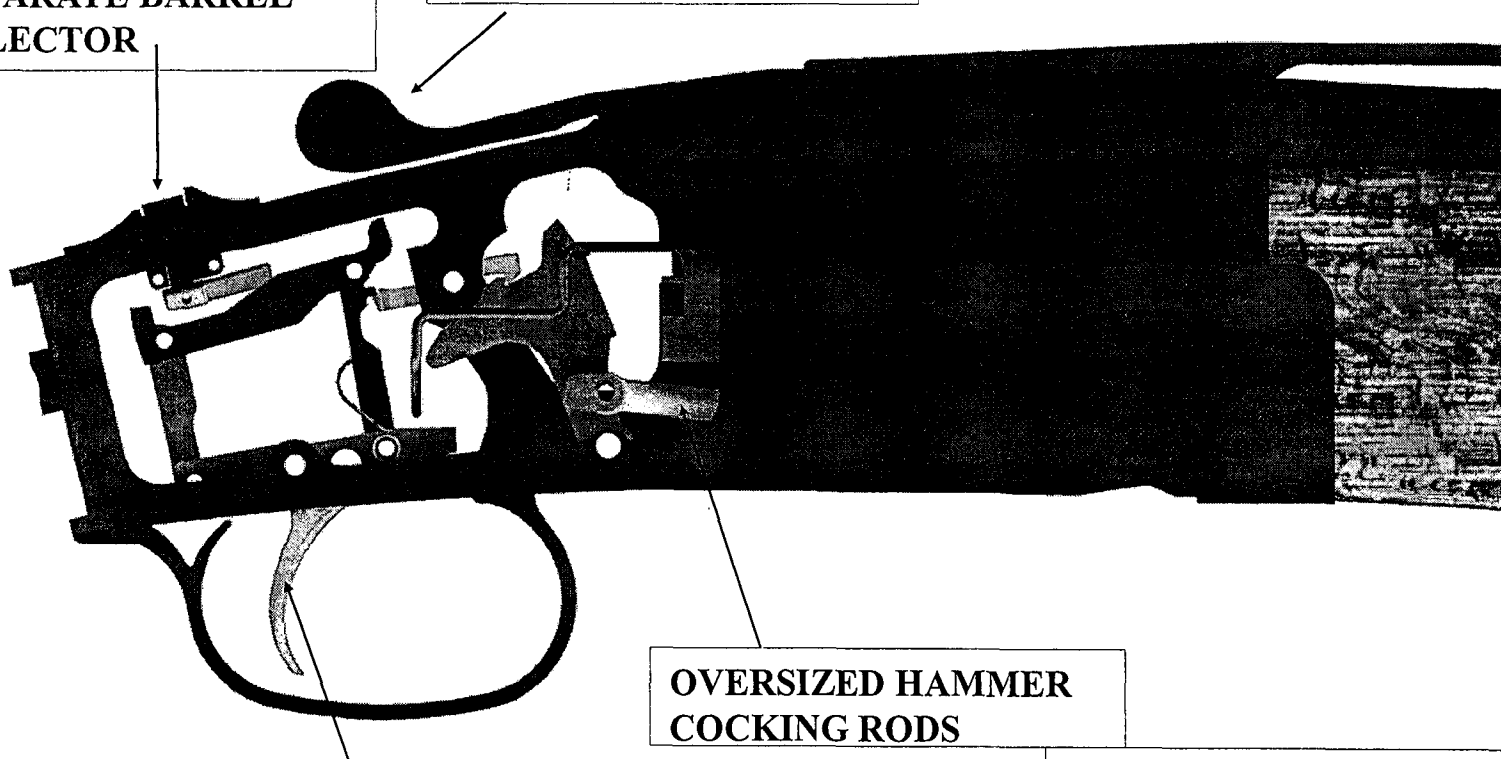


SAFETY SELECTOR  
(SHOWN IN SAFE "ON" POSITION)

## 300 Ideal - Fire Control System

MANUAL SAFETY with  
SEPARATE BARREL  
SELECTOR

CLOSE FIT BETWEEN  
TOP LEVER and FRAME

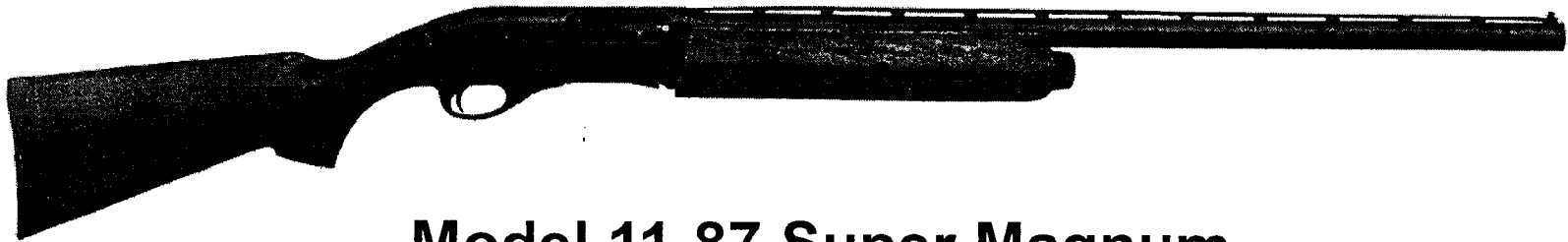


OVERSIZED HAMMER  
COCKING RODS

MECHANICAL FIRE  
CONTROL IS KNOWN FOR  
FEEL AND RELIABILITY

**NOTE:**  
SOME PARTS AND DETAIL NOT  
SHOWN FOR VISUALIZATION  
PURPOSES

**New 3 1/2", "Shoot Everything",  
Gas Operated Auto-Loading Shotgun**



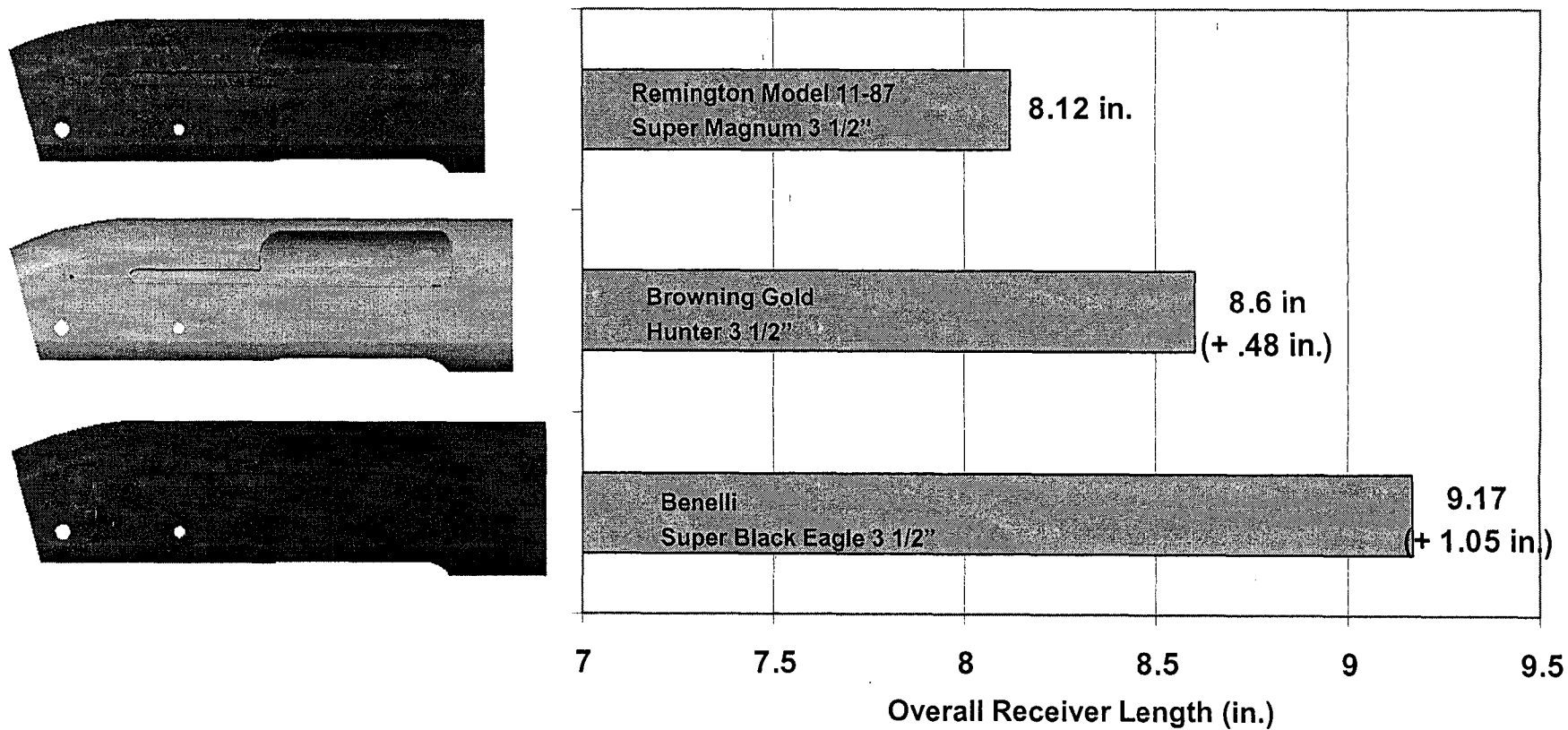
**Model 11-87 Super Magnum**

- **Special Purpose - Wood**
- **Special Purpose Synthetic**

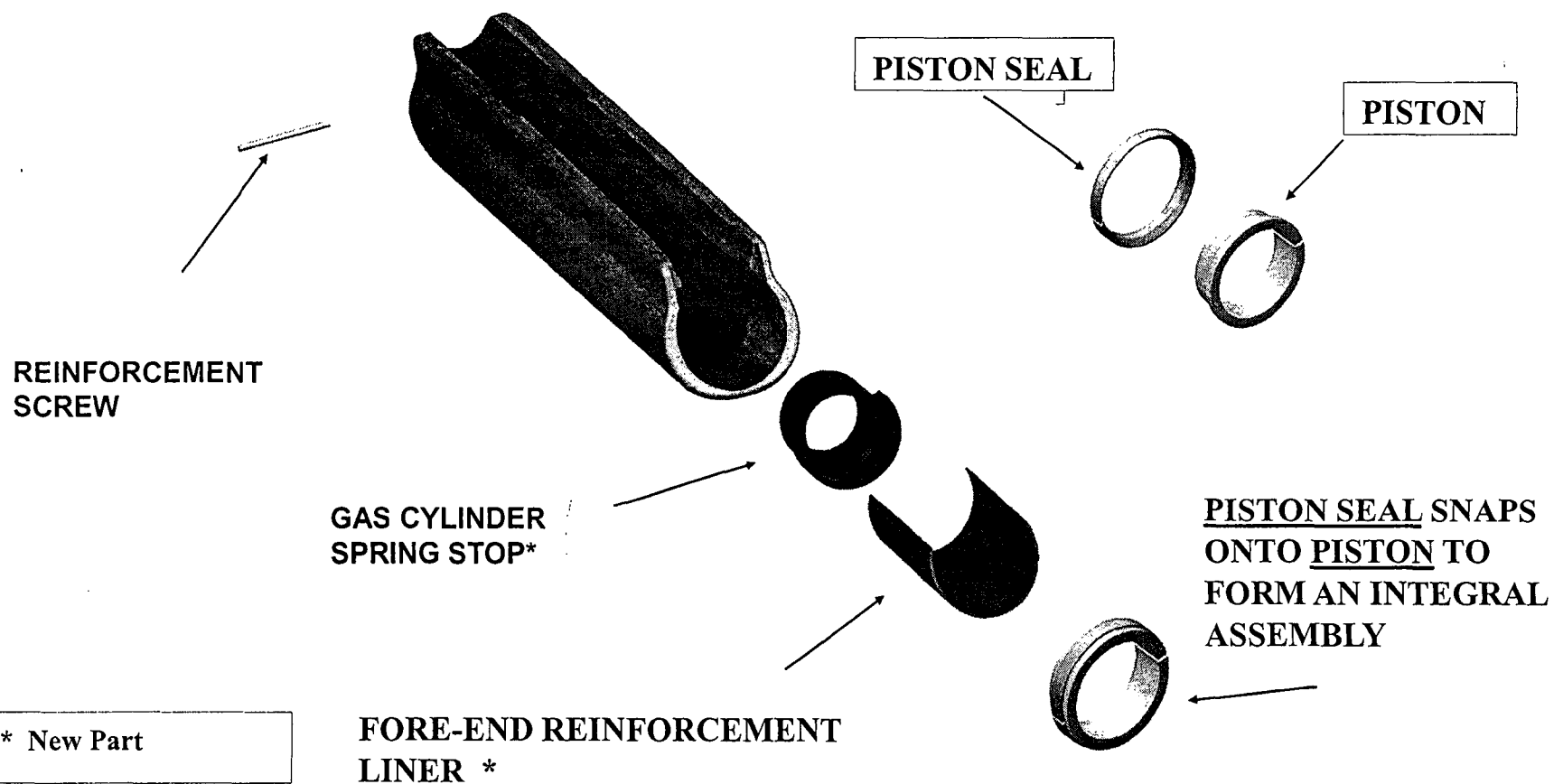
## **11-87 Super Magnum**

- Same simple operation as 11-87 Premier
- Overall receiver length increased by 1/4", but unlike 870 SM, no port cover, weight 8 1/4 lbs.
- 25 new or altered components, little interchangeability with standard 11-87
- New fore-end reinforcement
- New integrated PC spring collar with fore-end assembly
- Improved link
- MSRP \$852

## Receiver Length Comparison of 3 1/2" Autoloading Shotguns

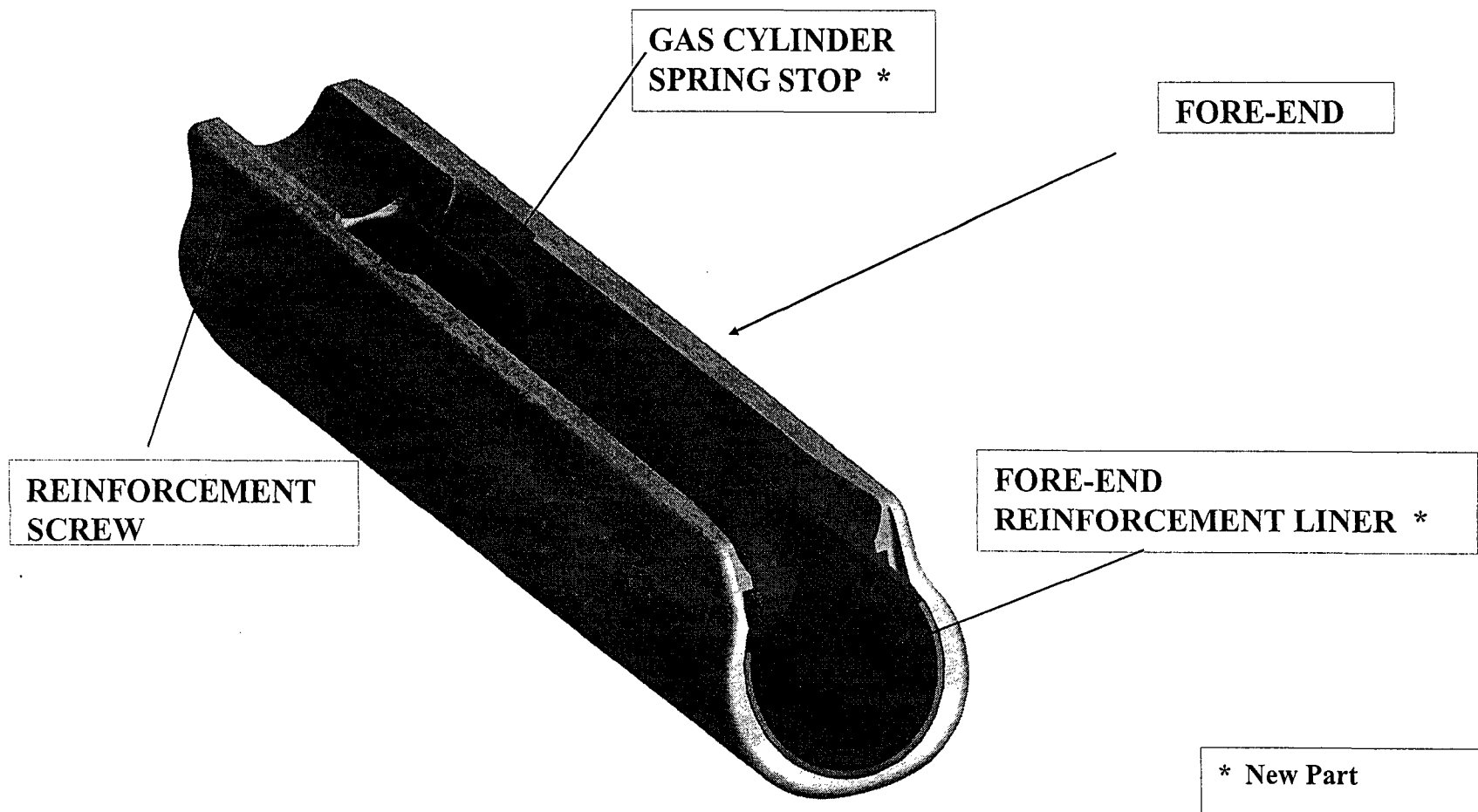


# Model 11-87 Super Magnum: Fore-end





## Model 11-87 Super Magnum: Fore-end Assembly

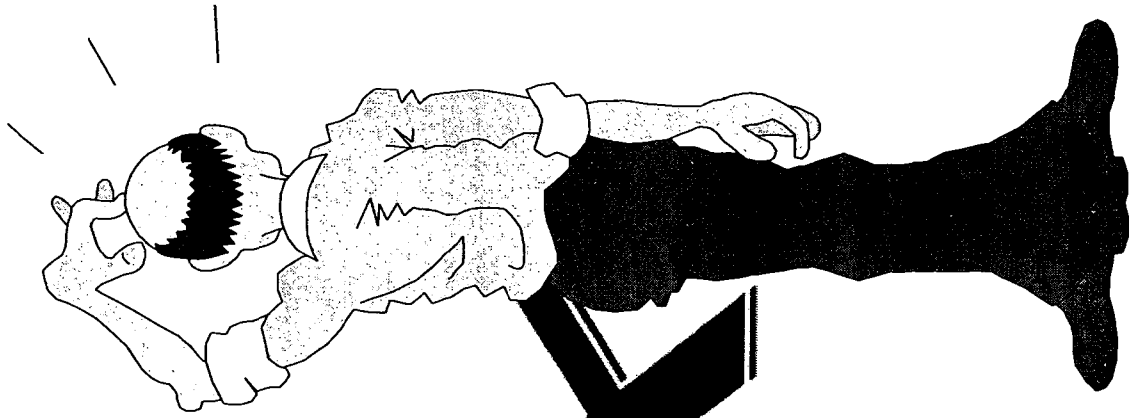




**Imagine the Ultimate Centerfire Rifle**

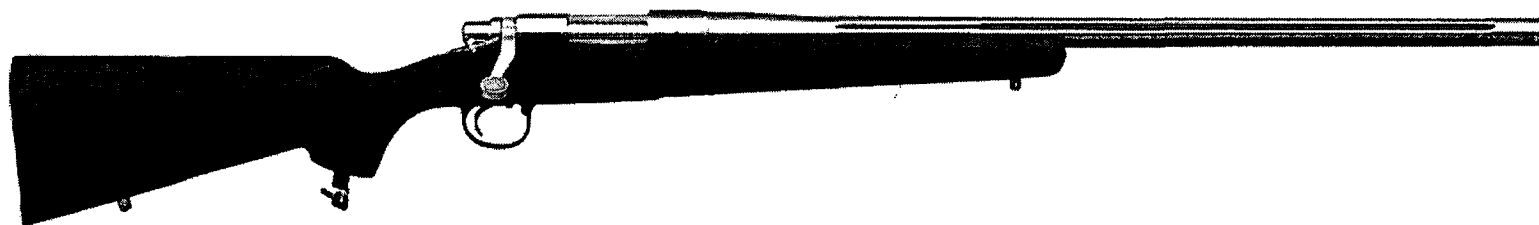
**What would it be like?**

**ETREON**  
*by Remington.*



700

**ETRONX**  
*by Remington.*



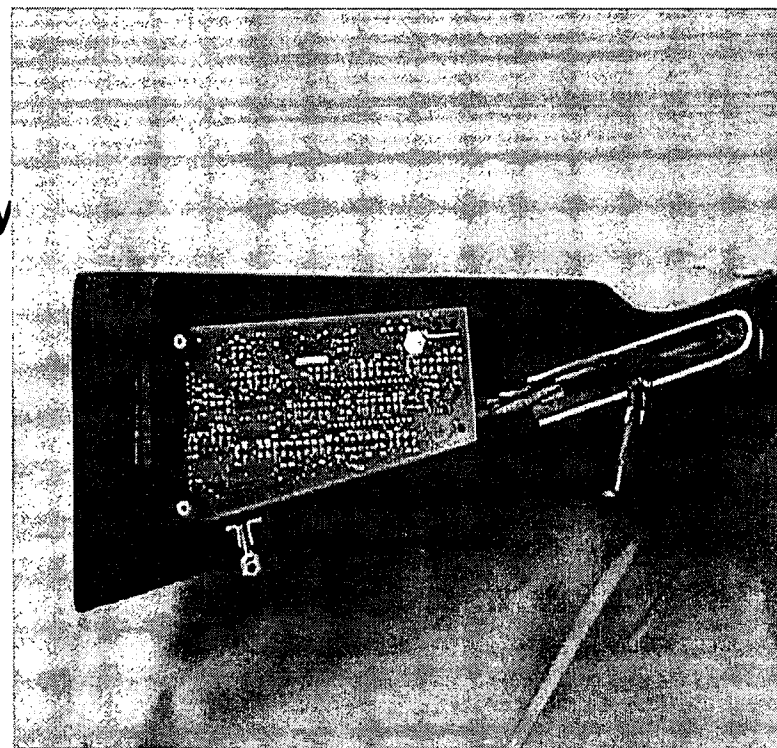
- Control of firing is electronic
- Basic operation same as Model 700
- Ergonomics same as Model 700
- Initial introduction in a varmint/bench rest product: 700 EtronX VS-SF
- MSRP \$1999.

## Performance Platform

- Near zero locktime: < 27 micro seconds  
(99% reduction from standard M/700)
- No moving parts to fire round
- World's best production trigger
  - Minimum travel (36% less than STD 700)
  - Excellent trigger pull force repeatability
  - Adjustable down to 2 lbs.
- Not a smart gun

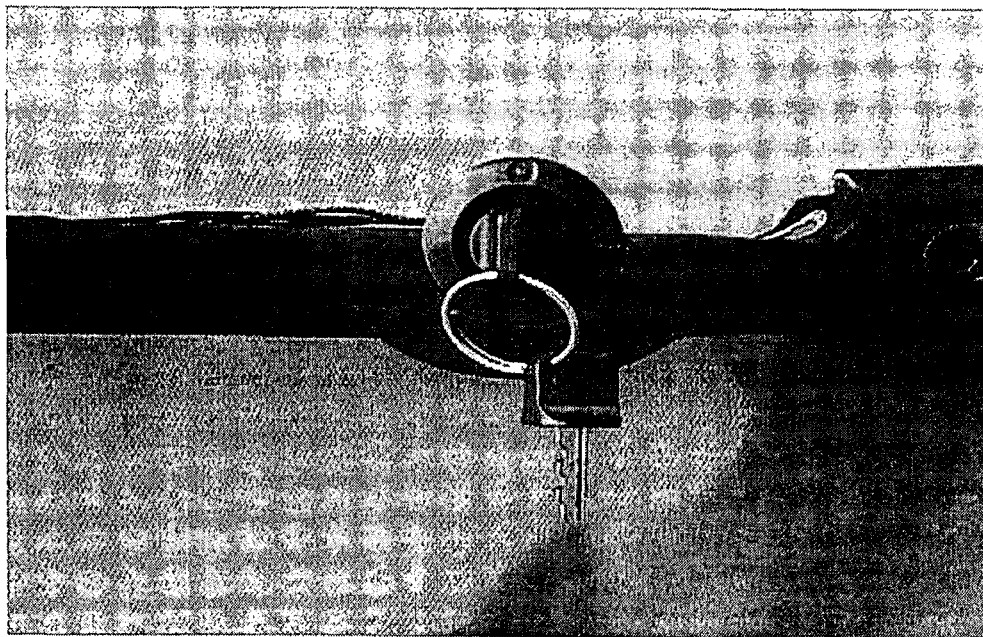
## Technology

- Commercially proven 8-Bit on board computer
- Operates on a single 9V alkaline battery
  - Supplies 150 volt fire pulse
  - Battery life approximately 1500 rounds
- On board diagnostics and status - LED
  - Ready to fire
  - Low battery
  - Battery replacement required
  - Key switch locked
  - Trigger pulled before moving safety



## Technology - Continued

- Components environmentally hardened
  - Moisture resistant
  - Shock resistant
  - Coated electronics
  - ESD / EMS resistant

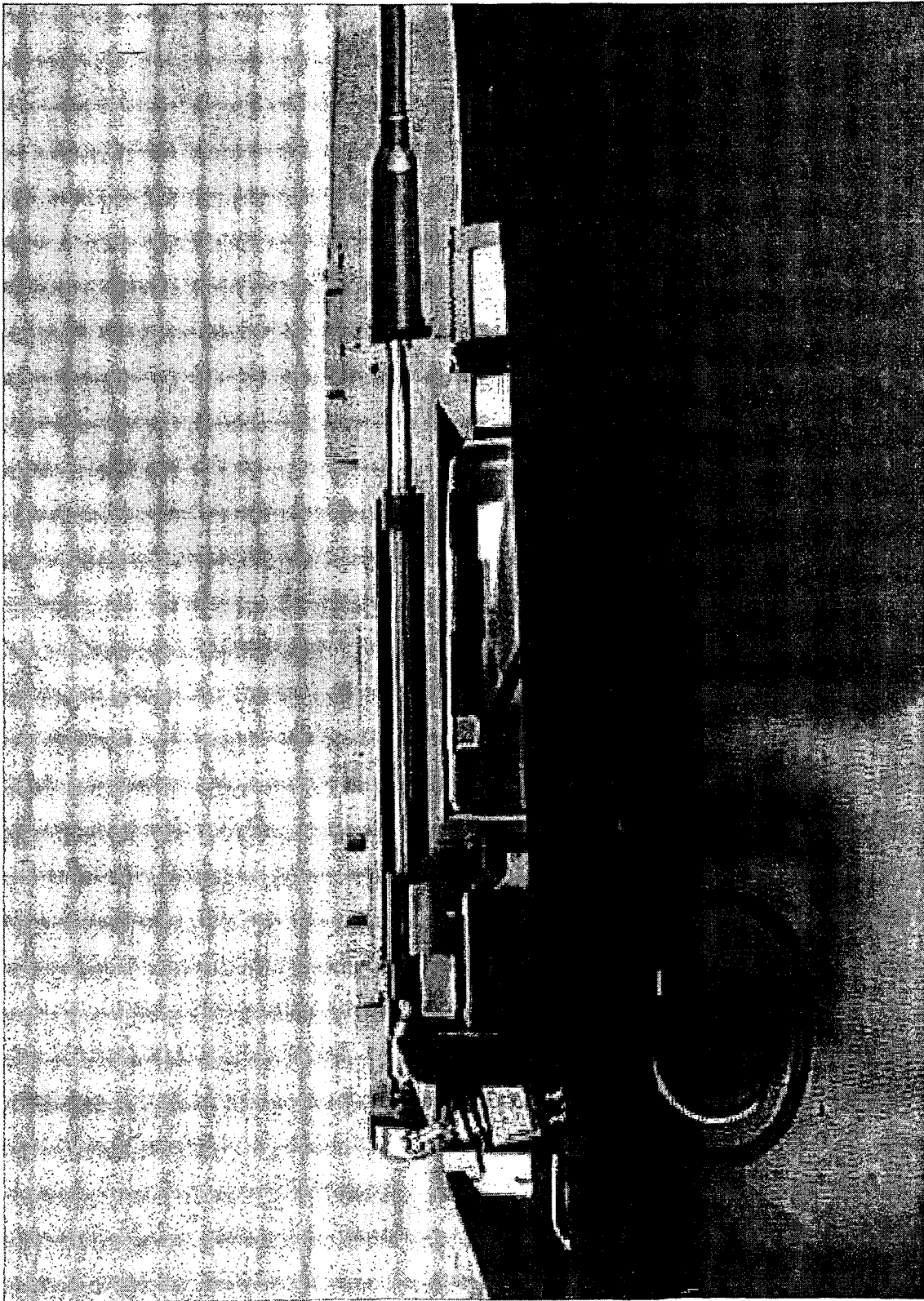


## Operation

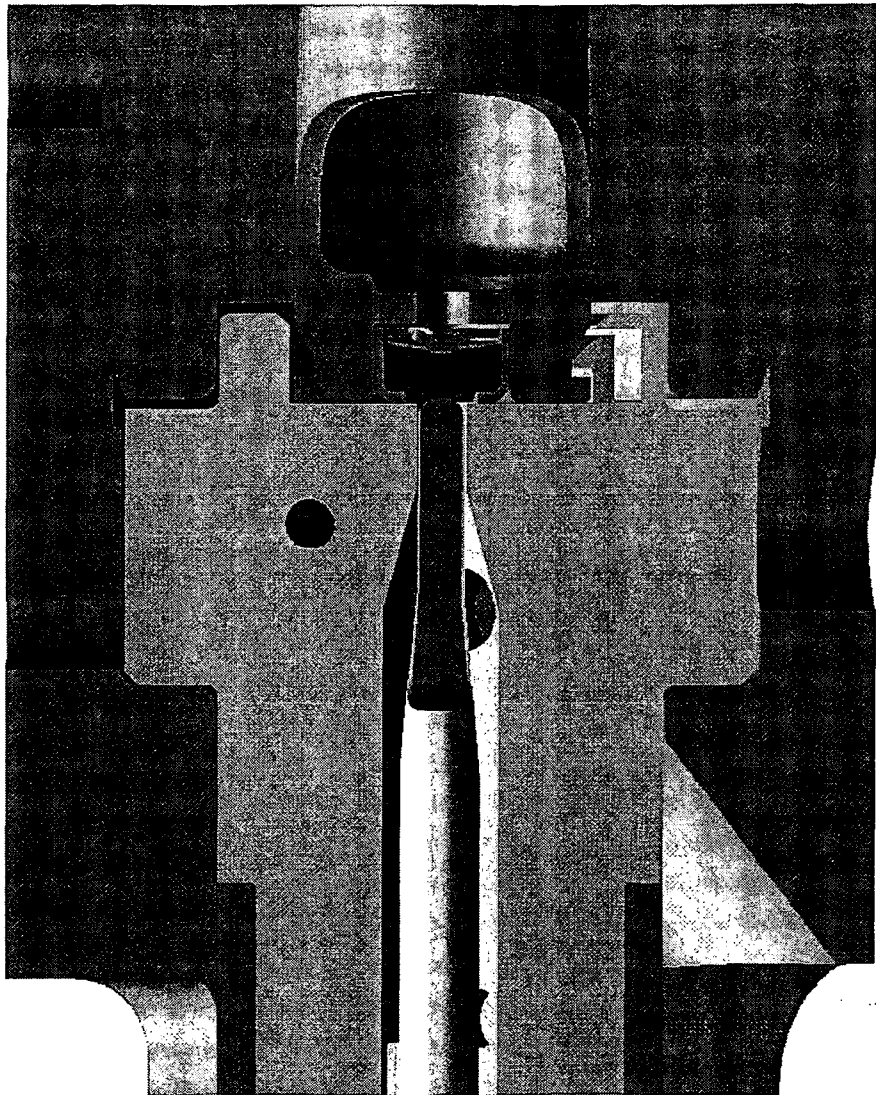
### Easy to Use:

- Key switch on - In line with barrel
- Safety in fire position with round in chamber
  - LED on until trigger pulled
    - 30 minutes of inactivity, time-out to safe state
- Safety in fire position with empty chamber
  - Indicator light off
  - 2 hours of inactivity, time-out to safe state
- Time out recovery
  - Cycle safety

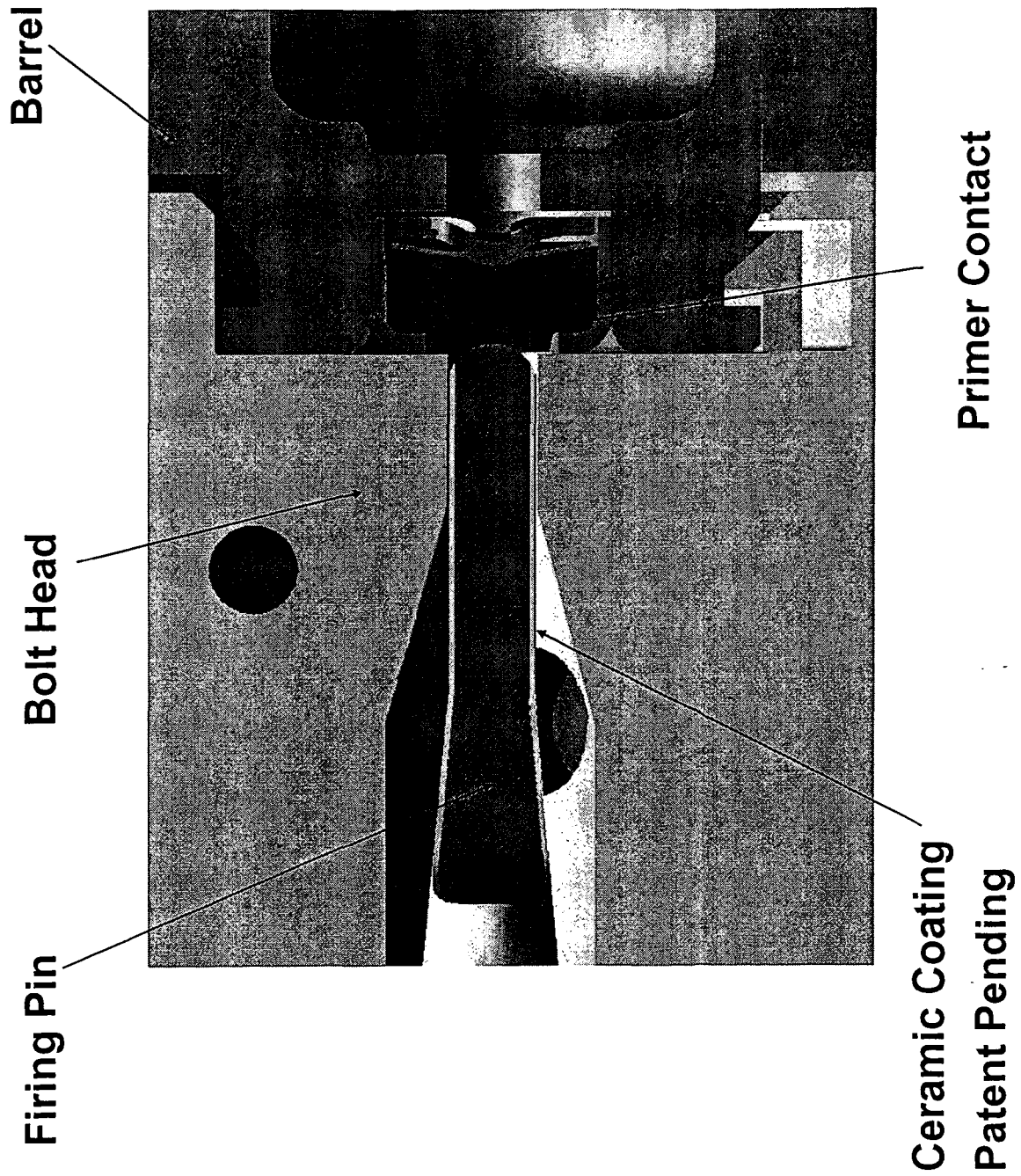


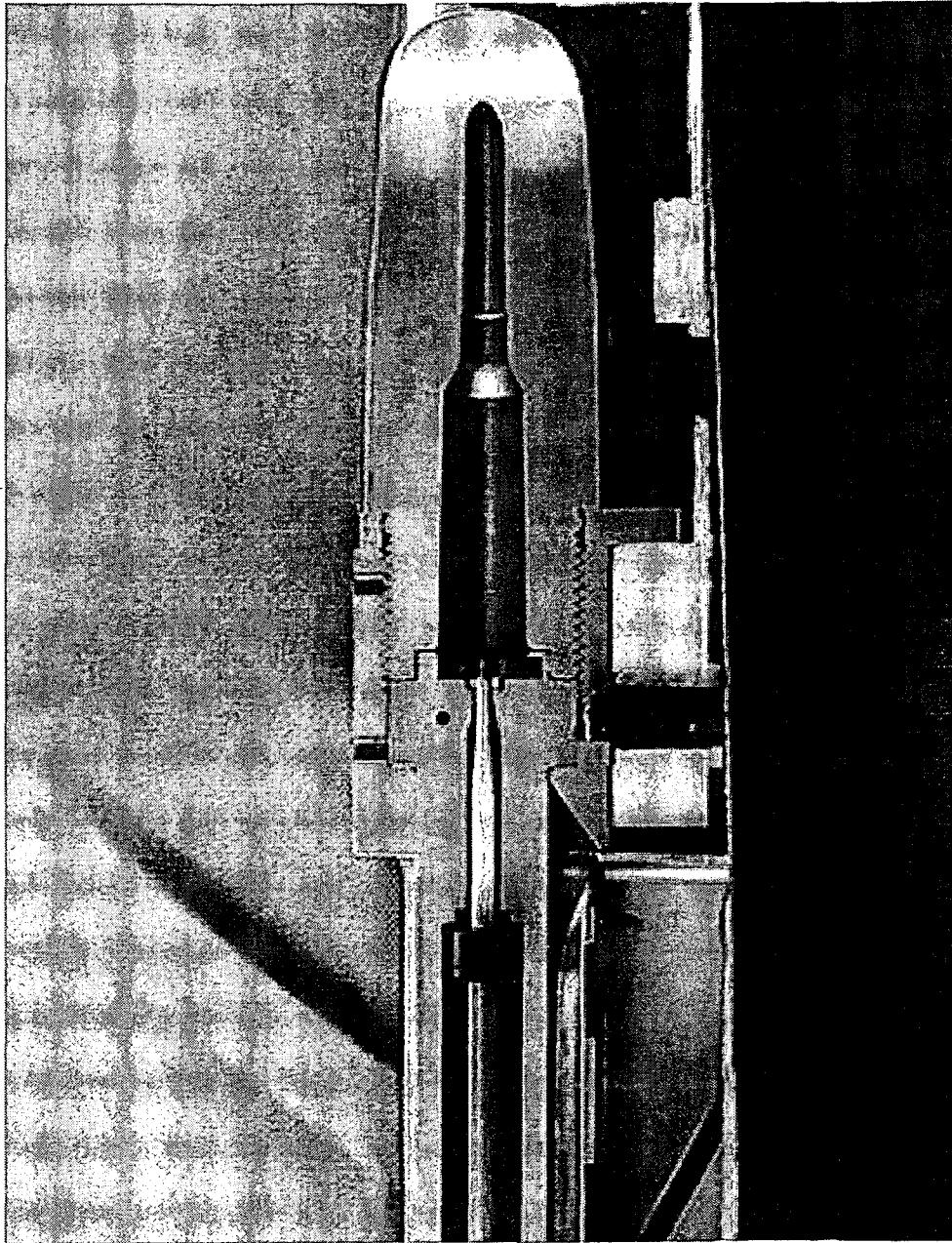


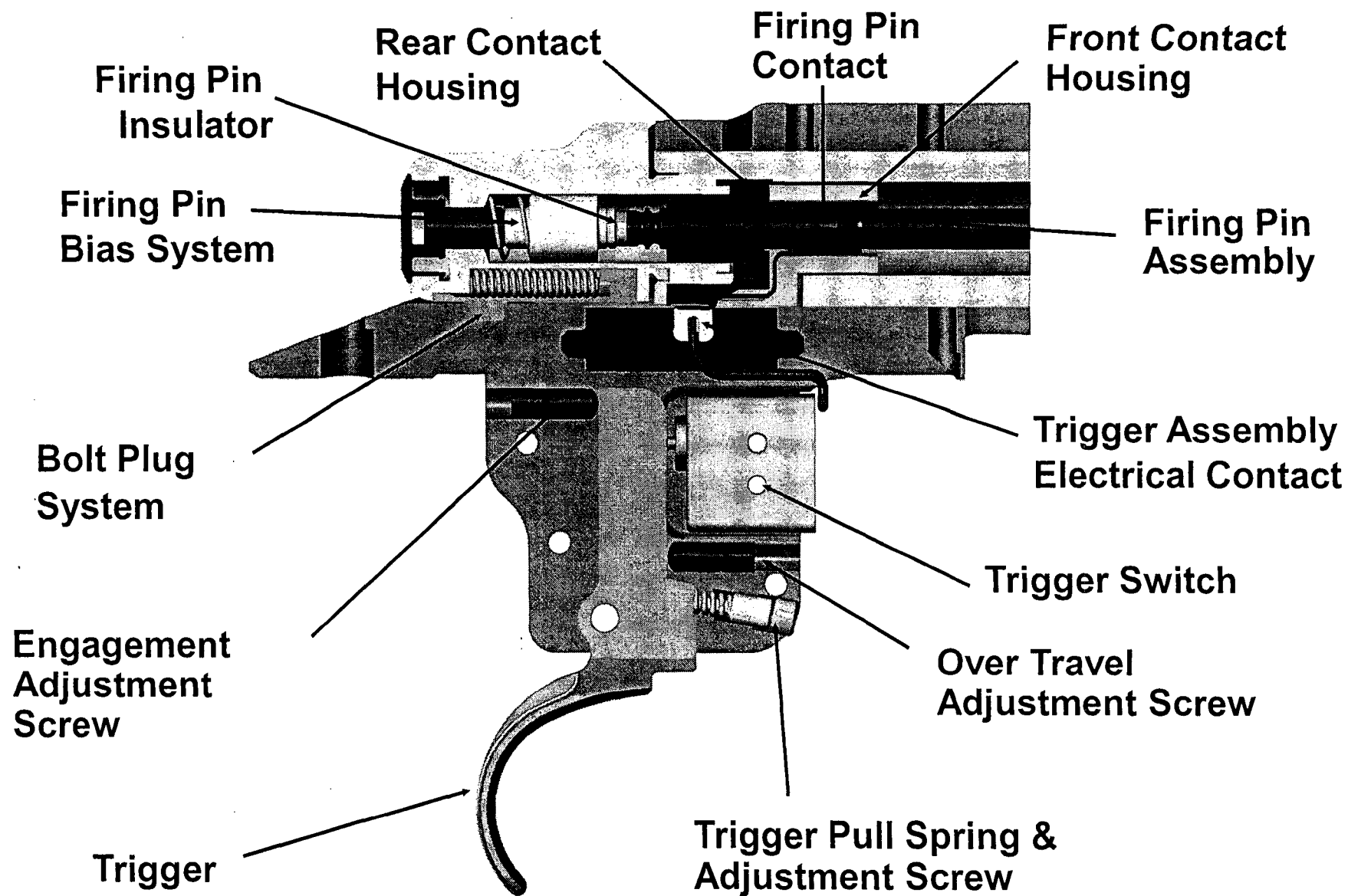
Three Rings of Steel

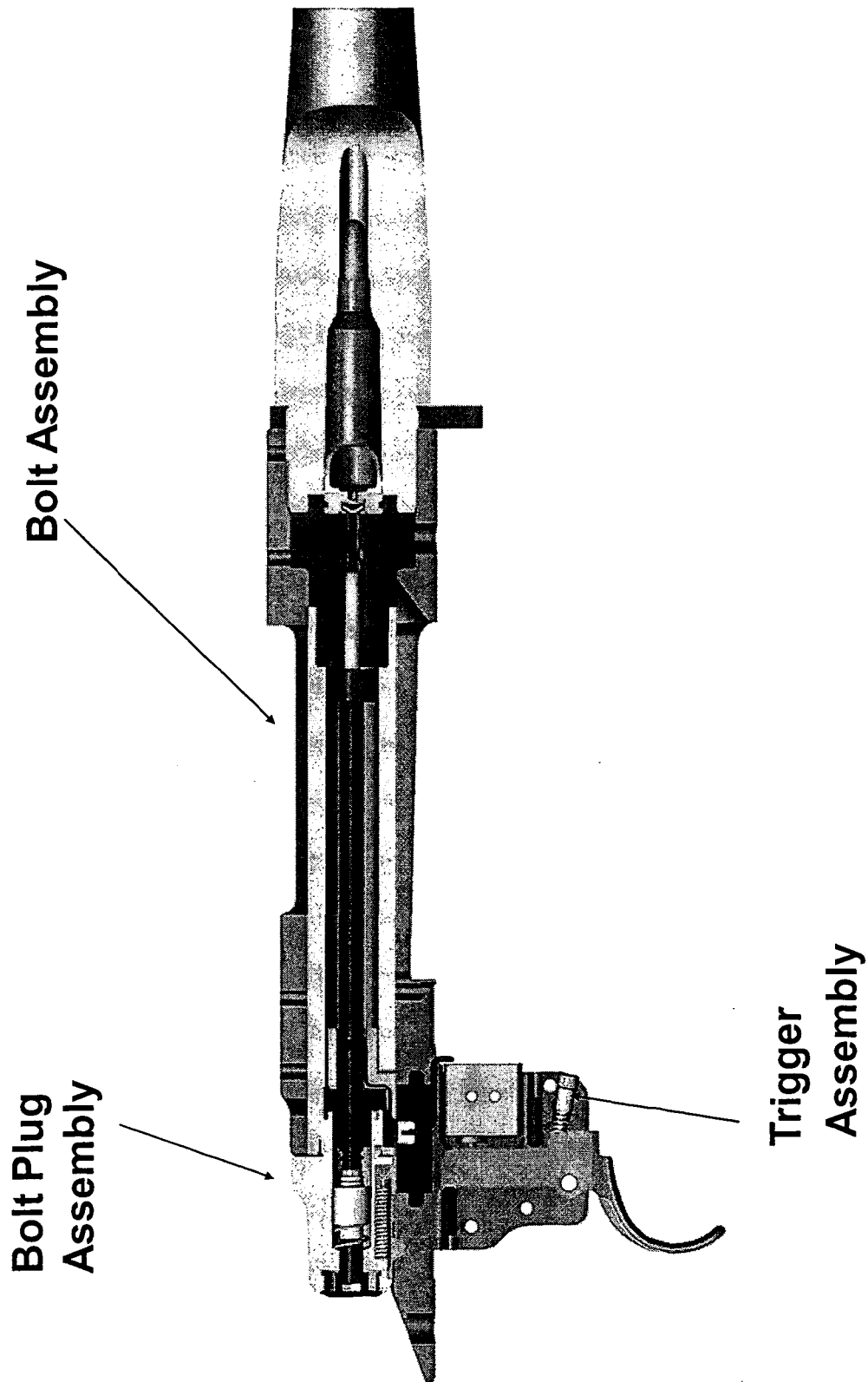


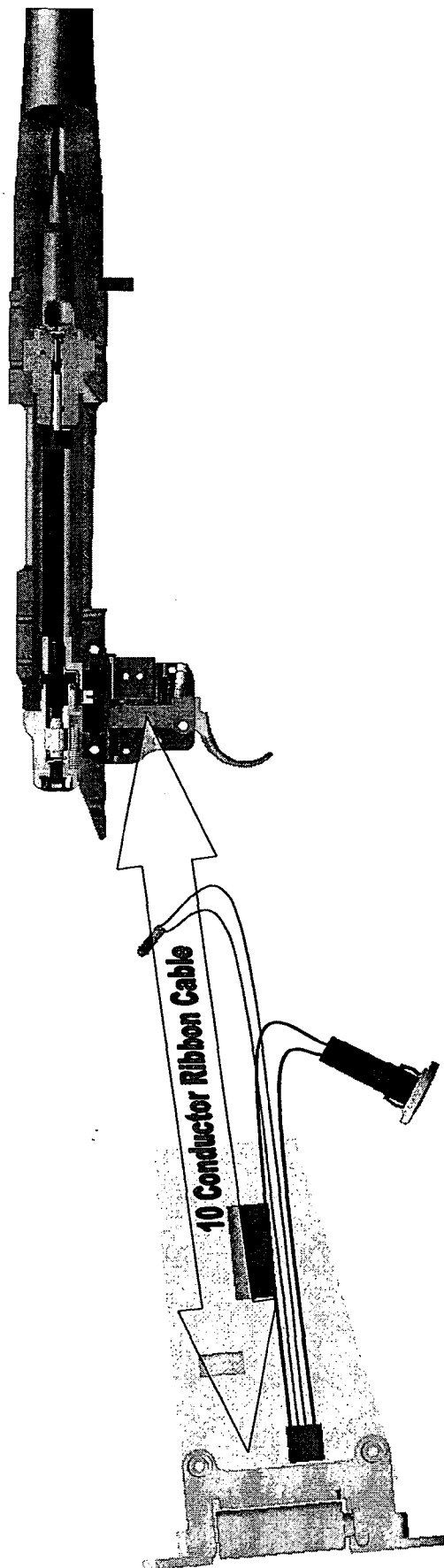












## **Reliability**

- Over 2 million shots fired on the EtronX system
- Misfire rate comparable to percussion systems
- Utilizes many existing M/700 components that are field proven
- Firing pin coating is key to reliable operation
  - 7500+ round life, (2X expected useful barrel life)



## **Remington Patented Features**

- **Electronic Firearm and Process for Controlling an Electronic Firearm**
  - US Patent No. 5,755,056
- **Round Sensing Mechanism**
  - US Patent No. 5,779,433
- **Bolt Assembly for Electronic Firearm**
  - US Patent No. 5,806,226
- **Conductive Primer Mix**
  - US Patent No. 5,646,367
- **Other Patents Applied For**

## **Major Benefits of EtronX System**

- Easy to understand and use
- Ammunition compatible
- Eliminates lock time
- Eliminates inconsistencies of mechanical triggers
- No moving parts to break or vibrate
- Builds on strengths of the M/700