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REMINGTON

Arms Company, Inc.

MODEL 81 AUTOLOADING CENTERFIRE RIFLE

- Shooting Safety Commandments
- Information
- Instructions for Operation & Care of Rifle
- Components Parts Listing
- Value and Reference Book Listing

NOTE: We are pleased to accommodate your request for the Model 81 Autoloading Centerfire Rifle information. The following documentation represents all information available on this model from the Remington Arms Co., Inc.

DO NOT MAKE CHANGES OR ALTERATIONS TO ANY PARTS OF A FIREARM. USE ONLY REMINGTON PARTS. NEVER MAKE AN ADJUSTMENT TO THE TRIGGER, OR CHANGE THE SHAPE OR SIZE OF THE SEAR, SEAR NOTCH, OR OTHER PARTS.

Ten Commandments of Shooting Safety

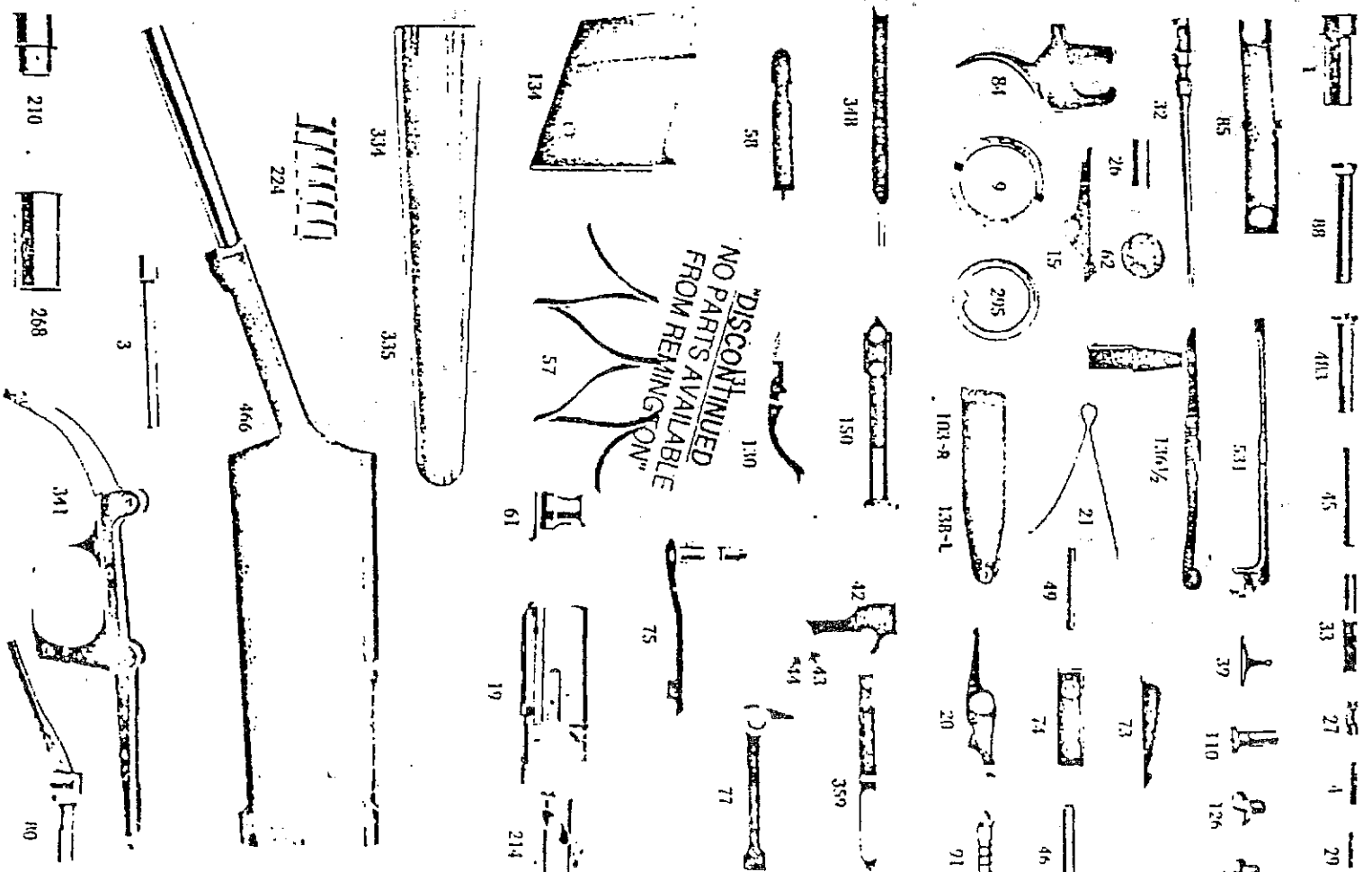
- 1. Always keep the muzzle pointed in a safe direction.**
- 2. Firearms should be unloaded when not in use.**
- 3. Don't rely on your gun's "safety".**
- 4. Be sure of your target and what is beyond it.**
- 5. Use correct ammunition.**
- 6. If your gun fails to fire when the trigger is pulled, handle with care!**
- 7. Always wear eye and ear protection when shooting.**
- 8. Be sure the barrel is clear of obstructions before shooting.**
- 9. Do not alter or modify your gun, and have guns serviced regularly.**
- 10. Learn the mechanical and handling characteristics of the firearm you are using.**

MODEL 81

HIGH-POWER AUTOLOADING RIFLE

In ordering parts, specify model, gauge, part name and the serial number of the gun. All parts marked with an asterisk (*) must be fitted at factory or by recommended gunsmith.

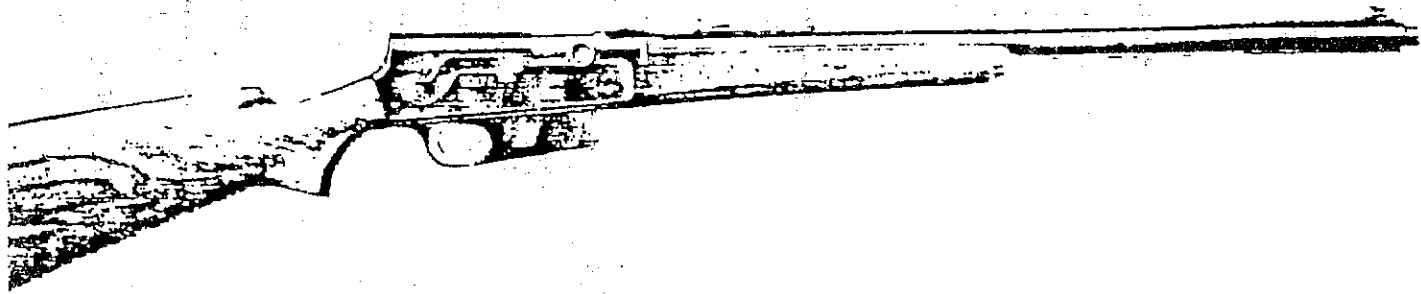
Part No.	List Price
92 Action Spring (state caliber) . . .	330
1 Action Spring Follower . . .	335
3-4 Action Spring Plug and Pin . . .	39
5 Action Spring Tube . . .	42
306 *Barrel (state caliber) . . .	46
306 *Barrel Jacket, Grade A-B . . .	45
306 *Barrel Jacket, Grade D . . .	43
306 *Barrel Jacket, Grade E . . .	44
306 *Barrel Jacket, Grade F . . .	44
9 Barrel Jacket Bushing . . .	348
22 Barrel Jacket Plug Screw . . .	49
30 Barrel Lock . . .	134
12 Barrel Lock Screw . . .	58
31 Barrel Lock Spring . . .	138
10 Barrel Nut (state caliber) . . .	103
45 Barrel Nut Washer (state caliber) . . .	57
14 *Bolt (state caliber) . . .	134 1/2
19 Bolt Carrier . . .	136 1/2
20 Bolt Carrier Latch . . .	59
10 Bolt Carrier Latch Screw . . .	60
21 Bolt Carrier Latch Spring . . .	61
15 Bolt Lock . . .	62
18 Bolt Lock Pin . . .	63
17 Bolt Lock Spring . . .	64
23 Buffer Spring (state caliber) . . .	65
24 Bolt Plate . . .	150
25 Bolt Plate Screw (2) each . . .	150 1/2
*Bolt Stock, Grade A . . .	151
*Bolt Stock, Grade B . . .	72
*Bolt Stock, Grade D . . .	73
*Bolt Stock, Grade E . . .	74
*Bolt Stock, Grade F . . .	466
26 Cam Pin (2) each . . .	483
27 Ejector . . .	84
29 Ejector Pin . . .	87
28 Ejector Spring . . .	341
31 Extractor (state caliber) . . .	341
32 Firing Pin . . .	341
33 Firing Pin Retaining Pin . . .	88
34 Firing Pin Spring . . .	85
35 Fore-end, Grade D . . .	330
36 Fore-end, Grade E . . .	335
37 Fore-end, Grade F . . .	39
38 Fore-end Escutcheon . . .	42
39 Front Sight . . .	46
40 Hammer . . .	45
41 Hammer Bushing . . .	43
42 Hammer Pin . . .	44
43 Hammer Roll . . .	348
44 Hammer Roll Pin . . .	49
45 Link Pin . . .	134
46 Magazine (box) . . .	58
47 Magazine Follower . . .	138
48 Magazine Slide Spring, left . . .	103
49 Magazine Slide Spring, right . . .	57
50 Magazine Spring . . .	134 1/2
51 Magazine Complete . . .	136 1/2
52 Magazine Indicator Complete . . .	59
53 Main Spring . . .	60
54 Main Spring Screw . . .	61
55 Operating Handle . . .	62
56 Operating Handle Bushing . . .	63
57 Operating Handle Plunger . . .	64
58 Operating Handle Plunger Spring . . .	65
59 Prep Sight Plug Screw . . .	150
60 Rear Sight . . .	150 1/2
61 Rear Sight Complete . . .	151
62 Rear Sight Elevator Screw . . .	72
63 Rear Sight Stop . . .	73
64 Rear Sight Stud . . .	74
65 Receiver, Grade A-B . . .	466
66 Receiver, Grade D . . .	483
67 Receiver, Grade E . . .	84
68 Receiver, Grade F . . .	87
69 Recoil Spring (state caliber) . . .	341
70 Recoil Spring Case (state caliber) . . .	341
71 Safety . . .	88
72 Safety Rocker . . .	85
73 Safety Rocker Stop Screw . . .	330
74 Safety Screw . . .	335
75 Take-Down Lever, Screw and Pin . . .	224
76 Take-Down Screw Washer . . .	224
77 Tang Screw . . .	466
78 Trigger . . .	341
79 Trigger Pin . . .	88
80 Trigger Plate, Grade A-B . . .	85
81 Trigger Plate, Grade D . . .	330
82 Trigger Plate, Grade E . . .	335
83 Trigger Plate, Grade F . . .	39
84 Trigger Plate Screw . . .	42
85 Trigger Spring . . .	46



MODEL 81

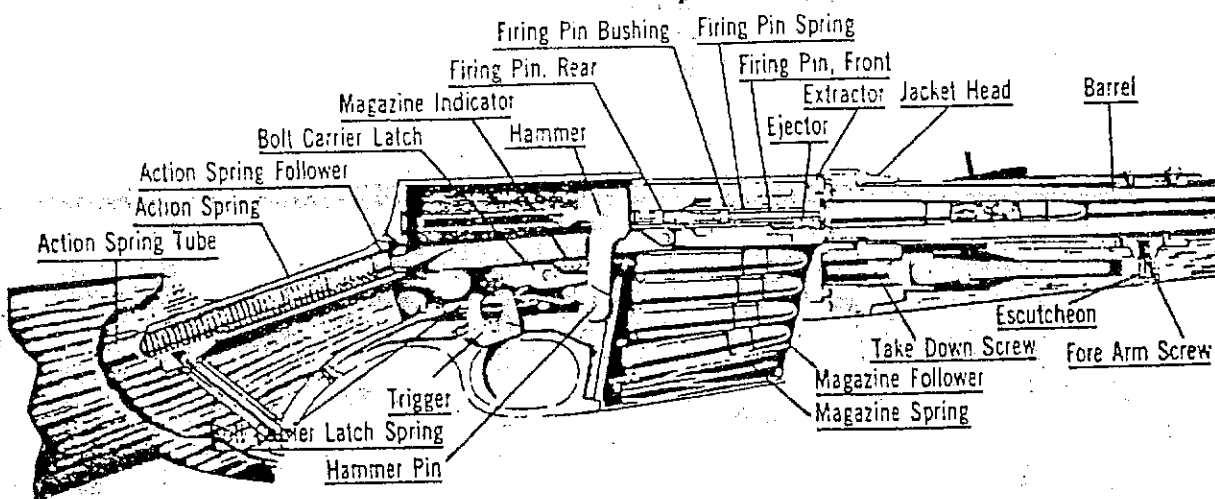
HIGH POWER AUTOLOADING RIFLE

.300 Savage, .30 Rem., .32 Rem., or .35 Rem. Caliber — Center Fire

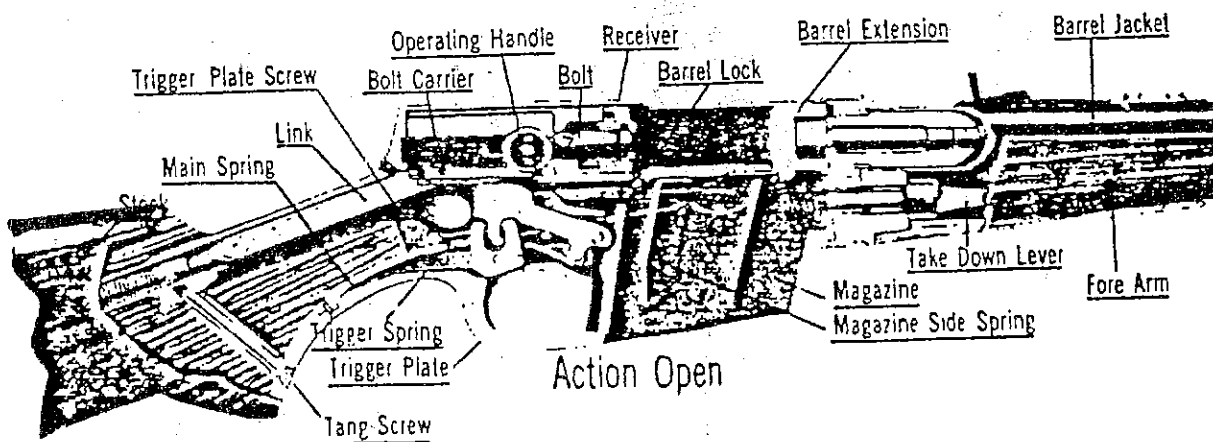


The "WOODSMaster" is everything that the name implies—truly a master of the woods for big game shooting—lightning fast, extremely powerful and amazingly accurate. The most powerful sporting rifle of autoloading type made.

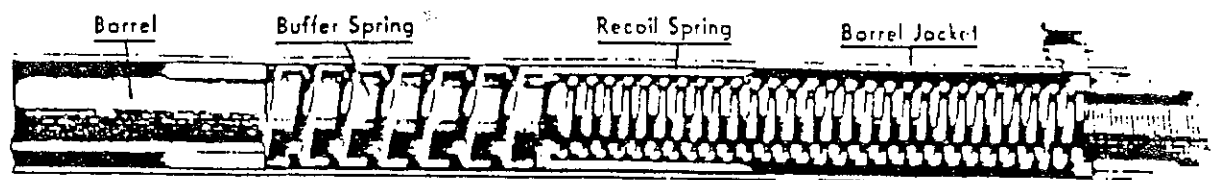
Action Open



Action Closed



Barrel Before Firing



Features to Remember

SPEED OF FIRE — Its lightning-like rapidity of fire makes it especially suitable for quick shots at running game. No other type of high power rifle can be fired as fast. This feature, coupled with the lack of any mechanical noise, makes the Model 81 an ideal big game rifle.

OPERATES WITHOUT PHYSICAL EFFORT — Operation does not depend on muscular control or physical effort, so shooter's nervousness cannot balk operation.

CONTROLLED FIRING — Under shooter's control at all times. Trigger must be pulled and released for each shot.

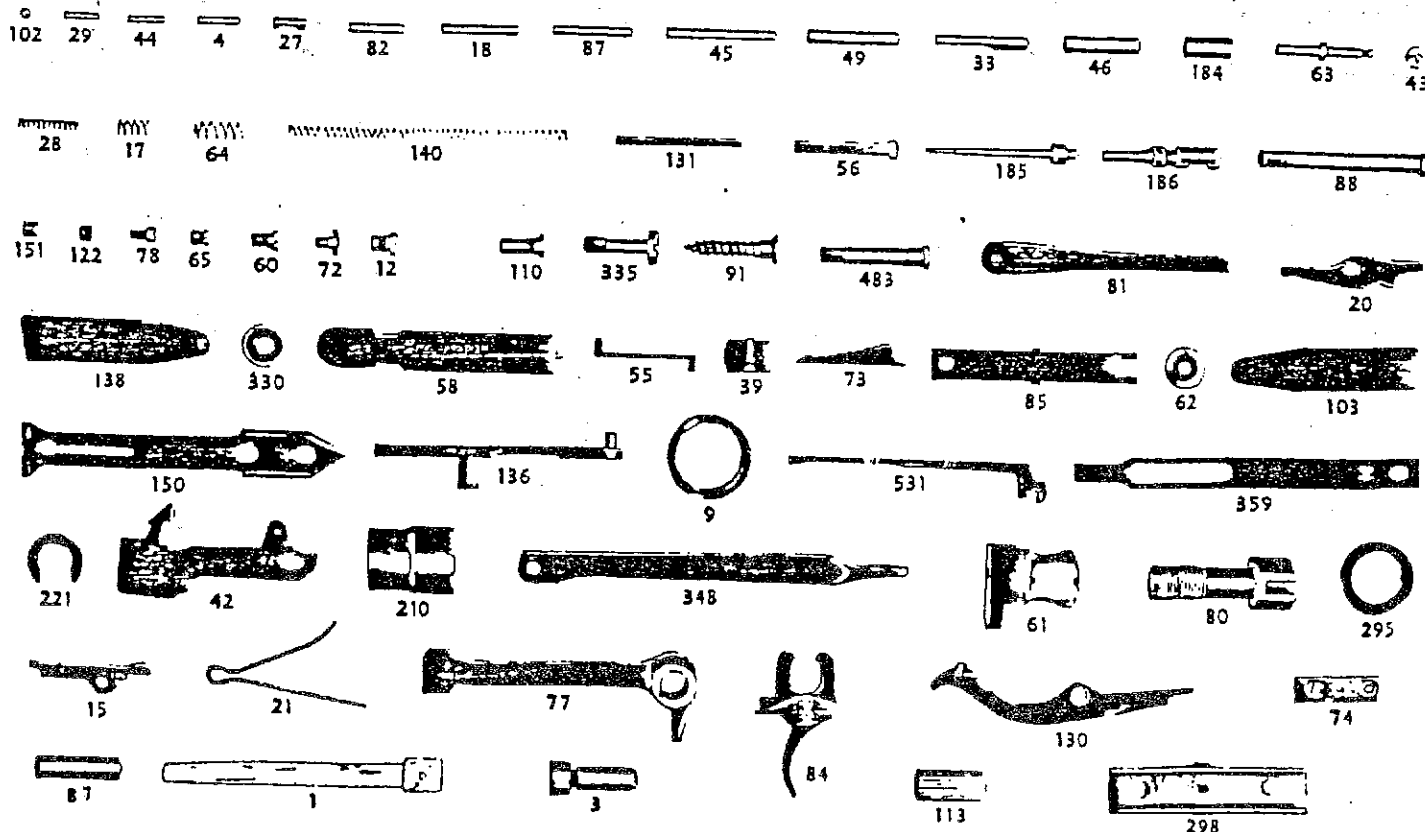
LOCKED BREECH — The only high power auto-loading rifle which positively locks cartridge in chamber until bullet has left the muzzle. Prevents loss of killing power and insures utmost safety.

DOUBLE LOCKING LUGS — An important safety feature. Bolt has two lugs which rotate and lock into a recess in barrel extension as close to the head of the cartridge as possible. This provides the utmost strength.

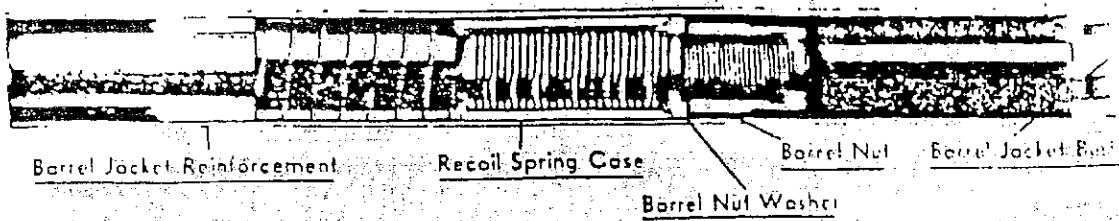
BREECH BOLT EASILY REMOVED FOR CLEANING.

Component Parts

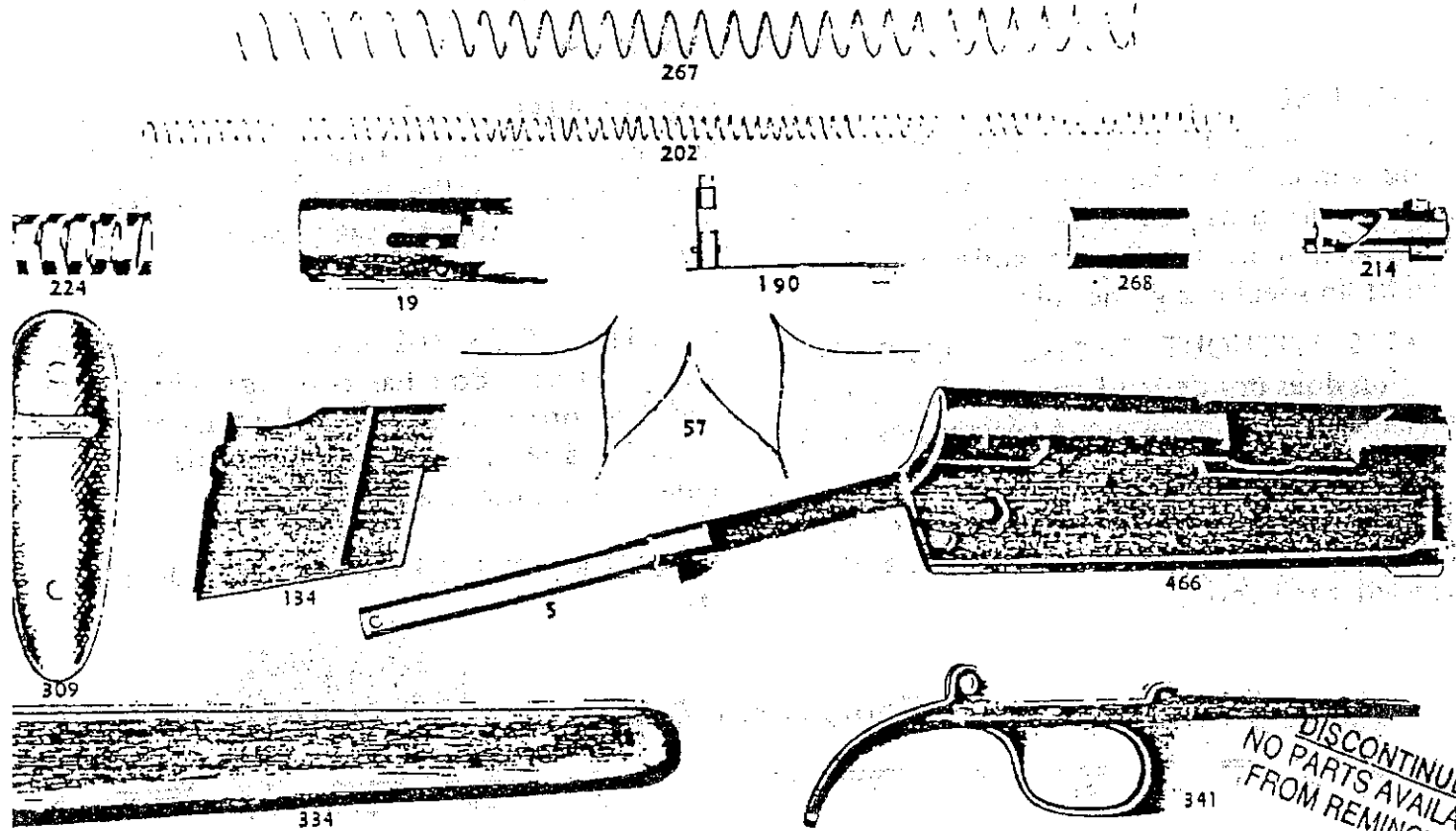
"DISCONTINUED"
NO PARTS AVAILABLE
FROM REMINGTON



Barrel After Firing



Component Parts (Continued)



Part No.		Name of Part	Part No.		Name of Part	Part No.		Name of Part
2	309	Action Spring (state cal.)	49	150 1/2	Link Pin	150 1/2	151	Rear Sight Complete
1	91	Action Spring Follower	134	151	Magazine (box)	151	72	Rear Sight Elevator Screw
3	325	Action Spring Plug	58	72	Magazine Follower	72	73	Rear Sight Screw (2)
4	184	Action Spring Plug Pin	138	73	Magazine Side Spring, left	73	74	Rear Sight Step
5	298	Action Spring Tube	103	74	Magazine Side Spring, right	74	466	Rear Sight Stud
6	27	Barrel (state caliber)	57	466	Magazine Spring	466	267	Receiver
8	29	Barrel Jacket	134 1/2	267	Magazine Complete	267	268	Recoil Spring (state caliber)
9	28	Barrel Jacket Bushing	55	268	Magazine Indicator	268	75	Recoil Spring Case (state cal.)
22	531	Barrel Jacket Plug Screw	55	75	Thumb Piece	75	102	Safety
30	187	Barrel Lock	136 1/2	102	Magazine Indicator Complete	102	77	Safety Detent Ball
12	185	Barrel Lock Screw	56	77	Magazine Indicator Spring	77	78	Safety Rocker
51	186	Barrel Lock Spring	136	78	Magazine Indicator	78	126	Safety Rocker Stop Screw
10	33	Barrel Nut (state caliber)	359	126	Main Spring	126	81	Safety Screw
25	140	Barrel Nut Washer (state cal.)	60	81	Main Spring Screw	81	82	Take-Down Lever
14	330	Bolt (state caliber)	61	82	Operating Handle	82	80	Take-Down Lever Pin
19	335	Bolt Carrier	62	80	Operating Handle Bushing	80	221	Take-Down Screw
20	39	Bolt Carrier Latch	63	221	Operating Handle Plunger	221	483	Take-Down Screw Washer
10	42	Bolt Carrier Latch Screw	64	483	Operating Handle Plunger Spring	483	113	Tang Screw
21	46	Bolt Carrier Latch Spring	64	113	Peep Sight Plug Screw	113	64	Tang Screw Bushing
15	45	Bolt Lock	65	64	Rear Sight	64	87	Trigger
18	43	Bolt Lock Pin	150	87		87	341	Trigger Pin
17	44	Bolt Lock Spring		341		341	88	Trigger Plate
24	348	Buffer Spring (state cal.)		88		88	85	Trigger Plate Screw
				85		85		Trigger Spring

Work must be done at factory or by recommended gunsmith.

Features to Remember (Continued)

EXTREME ACCURACY — The double locking lugs close up to the head of the cartridge and the specially bored and rifled barrel contribute to fine accuracy.

NEW STYLE SPORTING STOCK WITH SHOT-GUN STEEL BUTT PLATE, deeply checkered to prevent slipping. Real pistol grip, properly shaped to fit the hand.

NEW STYLE, FULL, WELL-ROUNDED FORE-END of the semi-beavertail type permits steady holding.

DEPENDABILITY — Every part is hand fitted by skilled workmen so that it will function properly in coordination with other parts. And Remington's rigid system of testing and inspection insures perfect operation. Every part is carefully inspected before used.

SOLID BREECH — A solid wall of steel lies between the shooter's face and the firing chamber. The utmost safety is assured.

THE BOX MAGAZINE IS PERMANENTLY ATTACHED — Cannot become lost or damaged.

EASY LOADING — Cartridges may be loaded in the magazine one at a time or with clip.

WHEN MAGAZINE IS EMPTY, ACTION STAYS OPEN AUTOMATICALLY — No chance of losing a shot by pulling trigger on an empty chamber.

POSITIVE SAFETY DEVICE — Locks the trigger into the hammer so that it is impossible to jar off. Since it works at right angles to the recoil it cannot jar "on" from recoil. When safety is "on" the bolt cannot be opened. Conveniently located on the right side of the receiver for quick operation.

Remedies for Malfunctions

Complaint: Fails to Feed Shells From Magazine

CAUSE	REMEDY
Magazine spring assembled with wide side toward front of arm.	Assemble spring with wide side of spring toward rear.
Top of magazine sides not opened wide enough.	Bend top edges of magazine slightly wider at points about middle of cartridge.
Bullet incline in magazine rough or rusted.	Polish incline at front end of magazine very smooth.
Sides of magazine dented or closed in slightly causing follower to stick.	Adjust sides of magazine to relieve sticking.

Complaint: Fails to Extract Shells

CAUSE	REMEDY
Extractor claw slips off shell rim.	Bend middle of extractor upward to increase tension of claw.
Extractor broken at lug which engages bolt or claw may be broken.	Fit new extractor.
Chamber rusted or gas cut, allowing shells to swell.	*Return to factory for fitting new barrel.

* Work must be done at factory or by recommended gunsmith.

Complaint: Fails to Eject Shells

CAUSE	REMEDY
Extractor has light tension at claw.	Bend upward the middle of the extractor to produce more tension at claw.
Extractor has too much space between claw and bottom of counterbore in face of breech bolt.	Fit new extractor.
Ejector spring weak or ejector rusted fast in bolt.	If spring is weak, fit new spring; if rusted, remove ejector spring, clean and polish, oil thoroughly and reassemble.
Ejector does not have enough forward motion.	Remove ejector and file rear end of clearance slot to provide more forward motion. Be sure lower front corner of ejector is filed below front face of bolt to permit shell head to feed upward freely.

Firearms Value & Reference Books

NOTE: We do not provide information on firearms' values. You may want to have your firearm appraised by a gunsmith. The following sources may also be helpful. We do not accept responsibility for the goods or services provided by these sources.

Firearms Value Books

Blue Book of Gun Values

Blue Book Publications
8009 34th Avenue South #175
Minneapolis, MN 55425
800-877-GUNS

Flayderman's Guide to Firearm Values

Gun List
Modern Gun Values
Krause Publications
700 East State Street
Iola, WI 54990-0001
847-573-8530

Gun Trader's Guide

Stoeger Publishing Company
5 Mansard Court
Wayne, NJ 07470
973-872-9500

Reference Books

The Remington 700

John Flacy
Brownells, Inc.
200 South Front Street
Montezuma, IA 50171
515-623-5401

Cartridges of the World

Frank C. Barnes
Standard Catalog of Firearms
Krause Publications
700 East State Street
Iola, WI 54990-0001
847-573-8530

Shooter's Bible

Stoeger Publishing Company
5 Mansard Court
Wayne, NJ 07470
973-872-9500

Remington, America's Oldest

Gunmanker
Remington Arms Co.
PO Box 700
Madison, NC 27025
Attention: History Book
800-423-8495