

C6636194

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

* Includes 1 in chamber.

Remington



MODEL 700TM M24

MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat & Tm. Off, Marca Registrada Marque Deposee.

20

VERY IMPORTANT:
Instruction Book
enclosed to assure
safe use of this
firearm.

SERIAL NO.
C6636194

ORDER NO.
5716



5716 C6636194

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6636194

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		4/9/91	K.S.
600	Proof		4/9/91	K.S.
607	Check Headspace		4/9/91	K.S.
610	Dis-assemble Gun		4/9/91	K.S.
612	Magnaflux Barrel Action		4/10/91	KR
	Magnaflux Bolt		4/10/91	LI
615	Rollmark Caliber		4/10/91	JS
617	Drill and Tap Sight Holes		APR 19 1991	LB
618	Polish Barrel		APR 19 1991	LB
620	Apply Coatings (Barrel Action)		5-10-91	DA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		5-22/91	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5-22/91	KS
	C) Inspect Ejector Hole for Chamfer		5-22-91	KS
	D) Oil Firing Pin Ass'y		5-22-91	KS
	E) Adjust Trigger Pull to Min Setting and Stake		5-24-91	D/H

Op. #	Task	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			5/24/91	SH
	G) Safety Off Force	3	3	3			6/24/91	SH
	H) Trigger Pull Test & Retainability						5-24-91	DH
630 cont.	I) Firing Pin Indent	10205	1021	1021			5/24/91	SH
	J) Assemble Stock						5/25/91	KS
	K) Assemble Swivel Studs						6-1-91	DH
	L) Attach Front and Rear Sight Assemblies						5/25/91	KS
	M) Iron Sight Alignment						5/25/91	KS
	N) Detach Front & Rear Sights & place in numbered container						5/25/91	KS
	O) Attach Scope to Rifle						5/25/91	KS
	P) Detach & Attach Scope 20 Times						5/25/91	KS
640	Gallery Target & Test						5-30-91	AF
	A) Time						"	AF
	B) Malfunctions						"	AF
	C) Pierced Primers						"	AF
	D) Optical Clarity of Scope						"	AF
645	Inspect for Live Ammo						5-30-91	AF
655	Final Inspection							
	A) Headspace						6-1-91	DH
	B) Trigger Pull	2-63	2-69	2-73	2-70	2-70	6/1/91	SH
	C) Function						6-1-91	DH
660	Pack						6-20-91	AF

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6636194DATE 5-23-91TESTER DH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.56	2.74	2.91	2.63	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.68	2.84	2.90	2.69	
PULL #3	2.70	2.79	2.96	2.73	
PULL #4	2.66	2.74	3.00	2.70	
PULL #5	2.65	2.61	2.99	2.70	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.18	3.20		
PULL #2	3.05	3.15		
PULL #3	3.12	3.12		
PULL #4	3.21	3.19		
PULL #5	3.16	3.14		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.37	4.59		4.14
PULL #2	4.41	4.68		4.20
PULL #3	4.40	4.47		4.04
PULL #4	4.38	4.66		4.26
PULL #5	4.52	4.66		4.28
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6636194
31 May 1991

CENTROIDAL DISTANCES

0 TO	1	.133154
1 TO	2	.4484
1 TO	3	.243115
1 TO	4	.0411096
1 TO	5	.227438

25
A

<----POB

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0146
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0266
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0303434

THE AMR FOR THIS RIFLE IS: .9706

30 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06636194

CENTERFIRE PATTERNS

1

POR

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS- 10

IN CIR

1 in = 2

2 in = 3

3 in = 9

HS= 2.371

VS= 3.562

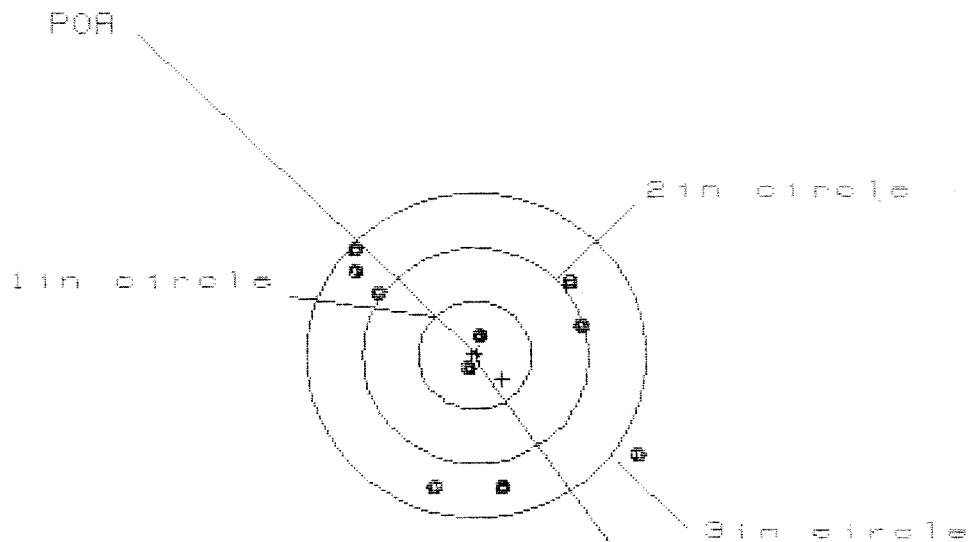
GS= 3.669

PATTERN #	:	1	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.129	1.195	1.048
MINIMUM X	:	-1.242	-1.176	-.675
MAXIMUM Y	:	1.120	.848	.822
MINIMUM Y	:	-2.442	-1.346	-1.372
CENTROID X	:	.123	.057	.204
CENTROID Y	:	-.051	.221	.247
POR TO CENTROID in.	:	.133	.228	.320
MIN RADIUS	:	.103	.257	.123
MEAN RADIUS	:	1.068	.860	.806
MAX RADIUS	:	2.514	1.360	1.407
HORIZONTAL SPREAD	:	2.371	2.371	1.723
VERTICAL SPREAD	:	3.562	2.194	2.194
EXTREME SPREAD	:	3.669	2.410	2.299
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		9	

30 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6636194

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 2

2in = 3

3in = 5

HS= 2.559

VS= 2.141

GS= 3.156

CENTROID #

PATTERN #	:	2	3	4
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.455	1.077	.961
MINIMUM X	:	-1.104	-.943	-1.059
MAXIMUM Y	:	.945	.843	.738
MINIMUM Y	:	-1.196	-1.298	-1.192
CENTROID X	:	-.234	-.395	-.279
CENTROID Y	:	.217	.319	.213
POA TO CENTROID in.	:	.319	.508	.351
MIN RADIUS	:	.165	.240	.162
MEAN RADIUS	:	1.034	.960	.899
MAX RADIUS	:	1.720	1.334	1.291
HORIZONTAL SPREAD	:	2.559	2.020	2.020
VERTICAL SPREAD	:	2.141	2.141	1.931
EXTREME SPREAD	:	3.156	2.498	2.329
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		9	

30 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8636194

CENTERFIRE PATTERNS # 3

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS- 10

IN CIR

1in = 1

2in = 5

3in = 9

HS= 1.929

VS= 2.747

GS= 2.793

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.034	1.067	1.114
MINIMUM X	:	-.895	-.862	-.815
MAXIMUM Y	:	.848	.637	.431
MINIMUM Y	:	-1.899	-1.650	-.604
CENTROID X	:	-.089	-.122	-.169
CENTROID Y	:	-.170	.041	.247
POA TO CENTROID in.	:	.192	.129	.299
MIN RADIUS	:	.351	.477	.434
MEAN RADIUS	:	1.017	.883	.752
MAX RADIUS	:	1.922	1.692	1.144
HORIZONTAL SPREAD	:	1.929	1.929	1.929
VERTICAL SPREAD	:	2.747	2.287	1.035
EXTREME SPREAD	:	2.793	2.377	2.010
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

30 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6B3B194

CENTERFIRE PATTERNS

4

POA

1in circle

2in circle

3in circle

CENTROID #

OF SHOTS = 10

IN CIR

1in = 4

2in = 5

3in = 7

HS = 3.007

VS = 3.256

GS = 3.395

PATTERN #	:	4	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.906	.862	.393
MINIMUM X	:	-1.101	-.889	-.781
MAXIMUM Y	:	1.590	1.452	.775
MINIMUM Y	:	-1.666	-1.804	-1.622
CENTROID X	:	.096	-.116	-.224
CENTROID Y	:	-.020	.118	-.064
POA TO CENTROID in.	:	.098	.166	.233
MIN RADIUS	:	.131	.078	.135
MEAN RADIUS	:	.934	.734	.617
MAX RADIUS	:	2.273	1.804	1.624
HORIZONTAL SPREAD	:	3.007	1.751	1.174
VERTICAL SPREAD	:	3.256	3.256	2.397
EXTREME SPREAD	:	3.395	3.377	2.397
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		7	

30 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08638194

CENTERFIRE PATTERNS # 5

POA

1 in circle

2 in circle

3 in circle

OF SHOTS = 10

IN CIR

1 in = 3

2 in = 6

3 in = 10

CENTROID *

HS = 1.899

VS = 2.359

GS = 2.360

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.087	1.061	1.086
MINIMUM X	:	-.812	-.838	-.813
MAXIMUM Y	:	.975	.821	.650
MINIMUM Y	:	-1.384	-1.370	-.502
CENTROID X	:	.031	.057	.032
CENTROID Y	:	.157	.311	.482
POA TO CENTROID in.	:	.160	.316	.483
MIN RADIUS	:	.252	.141	.129
MEAN RADIUS	:	.800	.698	.580
MAX RADIUS	:	1.405	1.385	1.175
HORIZONTAL SPREAD	:	1.899	1.899	1.899
VERTICAL SPREAD	:	2.359	2.191	1.152
EXTREME SPREAD	:	2.360	2.252	1.917
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	