

C6648956

MODEL 700™ M24

Model SMS™

Action

Barrel Length

Capacity

Order No. 5716

* Includes 1 in chamber.



Remington
REG. U.S. PAT. & TM. OFF.

MODEL 700™ M24

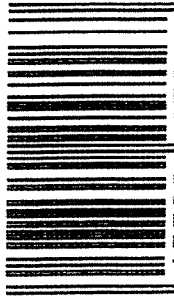
VERY IMPORTANT:
Instruction Book
enclosed to assure
safe use of this
firearm.

SERIAL NO.
C6648956

ORDER NO.
5716

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

UPC



0 47700 25716 7



5716 C6648956

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6648956

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	7 2	9 1	RW
600	Proof	7 2	9 1	RW
607	Check Headspace	7 2	9 1	RW
610	Dis-assemble Gun	7 2	9 1	RW
612	Magnaflux Barrel Action		JUL 22 1991	GS
	Magnaflux Bolt		JUL 22 1991	GS
615	Rollmark Caliber		JUL 22 1991	GS
617	Drill and Tap Sight Holes		JUL 22 1991	LB
618	Polish Barrel		7/22/91	W/B
620	Apply Coatings (Barrel Action)		7-22-91	W/B
	Apply Coating (Bolt)		7-22-91	W/B
625	Final Assembly A) Clean inside of Bolt Assembly		8/29/91	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/29/91	RW
	C) Inspect Ejector Hole for Chamfer		8/29/91	RW
	D) Oil Firing Pin Ass'y		8/29/91	RW
	E) Adjust Trigger Pull to Min Setting and Stake		9-7-91	D/H

op. #	BARBER - M24 0033750 OP. NAME	READINGS			DATE	INIT		
625 cont.	F) Safety On Force	6	5	5	9-7-91	DH		
	G) Safety Off Force	2	2	2	9-7-91	DH		
	H) Trigger Pull Test & Retainability				9-7-91	DH		
	I) Firing Pin Indent	.020	.021	.022	9-7-91	DH		
	J) Assemble Stock				9/10/91	RW		
	K) Assemble Swivel Studs				9-12-91	DH		
	L) Attach Front and Rear Sight Assemblies				9/10/91	RW		
	M) Iron Sight Alignment				9/10/91	RW		
	N) Detach Front & Rear Sights & place in numbered container				9/10/91	RW		
	O) Attach Scope to Rifle				9/10/91	RW		
	P) Detach & Attach Scope 20 Times				9/10/91	RW		
640	Gallery Target & Test				9-11-91	AC		
	A) Time				9-11-91	AC		
	B) Malfunctions				9-11-91	AC		
	C) Pierced Primers				9-10-91	AC		
	D) Optical Clarity of Scope				9-10-91	AC		
645	Inspect for Live Ammo				9-10-91	AC		
655	Final Inspection				9-12-91	DH		
	A) Headspace							
	B) Trigger Pull	267	239	267	279	271	9-10-91	DH
	C) Function						9-12-91	DH
660	Pack						9-14-91	VF

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS
2.50#+.50#
3.00#+.75#
4.00#+1.00#

SERIAL NO. 566 48956DATE 9-7-91TESTER DH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.47	2.41	2.66	2.67	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.37	2.38	2.65	2.39	
PULL #3	2.46	2.35	2.67	2.67	
PULL #4	2.40	2.32	2.80	2.79	
PULL #5	2.43	2.46	2.60	2.71	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.14	3.21		
PULL #2	3.12	2.99		
PULL #3	3.09	3.10		
PULL #4	3.12	3.16		
PULL #5	3.11	3.10		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.43	4.46		4.13
PULL #2	4.47	4.44		4.18
PULL #3	4.50	4.50		4.12
PULL #4	4.53	4.56		4.09
PULL #5	4.48	4.53		4.13
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06648956
18 Sep 1991

CENTROIDAL DISTANCES

0 TO	1	.185311
1 TO	2	.037054
1 TO	3	.0218403
1 TO	4	.381819
1 TO	5	.211021

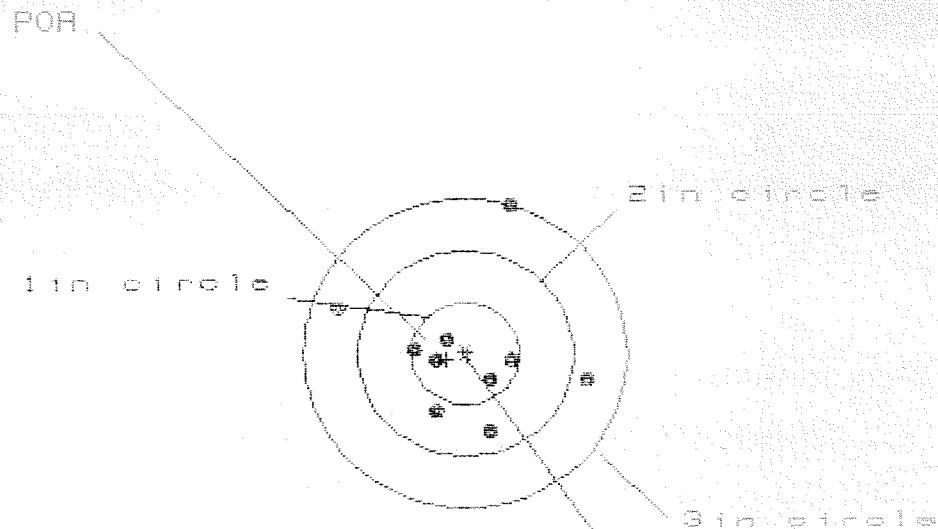
4
42 ←---POB

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1614
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .099
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .189343
THE AMR FOR THIS RIFLE IS: .7706

10 Sep 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6648956

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1 in = 5

2 in = 7

3 in = 9

HS= 2.227

VS= 2.195

GS= 2.314

PATTERN

SHOTS (BEST OF)

	10	9	8
MAXIMUM X	1.082	1.131	.994
MINIMUM X	-1.145	-1.096	-.546
MAXIMUM Y	1.435	.552	.363
MINIMUM Y	-.760	-.600	-.531
CENTROID X	.176	.127	.264
CENTROID Y	.058	-.102	-.171
POA TO CENTROID in.	.186	.163	.314
MIN RADIUS	.199	.243	.111
MEAN RADIUS	.696	.582	.494
MAX RADIUS	1.502	1.227	.994
HORIZONTAL SPREAD	2.227	2.227	1.540
VERTICAL SPREAD	2.195	1.152	.894
EXTREME SPREAD	2.314	2.314	1.570
NUMBER IN ONE INCH CIRCLE	= 5		
NUMBER IN TWO INCH CIRCLE	= 7		
NUMBER IN THREE INCH CIRCLE	= 9		

18 Sep 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C864B956

CENTERFIRE PATTERNS # 2

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS= 10

IN CIR

1in = 2

2in = 7

3in = 10

HS= 2.268

VS= 1.736

GS= 2.294

PATTERN #

2

SHOTS (BEST OF)

10

9

8

MAXIMUM X

1.203

1.110

1.202

MINIMUM X

-1.065

-.932

-.840

MAXIMUM Y

.744

.746

.622

MINIMUM Y

-.992

-.990

-.573

CENTROID X

.213

.080

-.012

CENTROID Y

.060

.058

.182

POA TO CENTROID in.

.222

.099

.183

MIN RADIUS

.314

.283

.129

MEAN RADIUS

.853

.799

.716

MAX RADIUS

1.203

1.233

1.234

HORIZONTAL SPREAD

2.268

2.042

2.042

VERTICAL SPREAD

1.736

1.736

1.195

EXTREME SPREAD

2.294

2.146

2.106

NUMBER IN ONE INCH CIRCLE =

2

NUMBER IN TWO INCH CIRCLE =

7

NUMBER IN THREE INCH CIRCLE =

10

10 Sep 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6848958

CENTERFIRE PATTERNS # 3

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS= 10

IN CIR

1in = 4

2in = 7

3in = 9

HS= 1.967

VS= 2.480

GS= 2.667

PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.768	.635	.591
MINIMUM X	-1.199	-.395	-.439
MAXIMUM Y	1.332	1.204	.791
MINIMUM Y	-1.148	-1.026	-.875
CENTROID X	.182	.315	.359
CENTROID Y	.037	.165	.014
POA TO CENTROID in.	.186	.356	.360
MIN RADIUS	.176	.300	.193
MEAN RADIUS	.738	.653	.560
MAX RADIUS	1.660	1.255	1.056
HORIZONTAL SPREAD	1.967	1.030	1.030
VERTICAL SPREAD	2.480	2.230	1.666
EXTREME SPREAD	2.667	2.438	1.959
NUMBER IN ONE INCH CIRCLE =	4		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	9		

10 Sep 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8648356

CENTERFIRE PATTERNS # 4

POR

1in circle

2in circle

3in circle

OF SHOTS- 10

IN CIR

1in = 6

2in = 8

3in = 10

HS= 2.249

VS= 1.829

GS= 2.505

CENTROID *

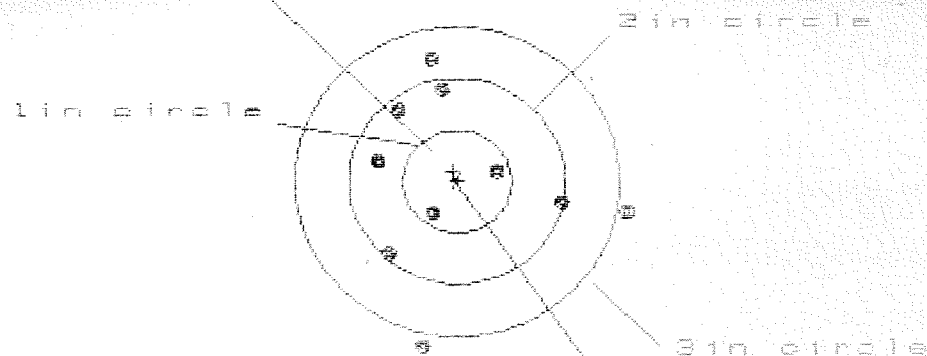
PATTERN #	4	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.866	.951	.798
MINIMUM X	-1.383	-1.298	-.467
MAXIMUM Y	1.163	.376	.376
MINIMUM Y	-.666	-.537	-.537
CENTROID X	.201	.116	.278
CENTROID Y	.439	.309	.309
POR TO CENTROID in.	.482	.330	.416
MIN RADIUS	.025	.147	.126
MEAN RADIUS	.590	.506	.397
MAX RADIUS	1.391	1.298	.874
HORIZONTAL SPREAD	2.249	2.249	1.256
VERTICAL SPREAD	1.829	.913	.913
EXTREME SPREAD	2.505	2.280	1.342
NUMBER IN ONE INCH CIRCLE =		6	
NUMBER IN TWO INCH CIRCLE =		8	
NUMBER IN THREE INCH CIRCLE =		10	

10 Sep 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C084B956

CENTERFIRE PATTERNS # 5

POA



OF SHOTS- 10

IN CIR

1in = 2

2in = 6

3in = 8

HS= 2.326

VS= 2.847

GS= 2.850

CENTROID #

PATTERN #

5

SHOTS (BEST OF)

10

9

8

MAXIMUM X

1.589

1.550

1.135

MINIMUM X

-.737

-.776

-.582

MAXIMUM Y

1.234

1.055

1.000

MINIMUM Y

-1.613

-.872

-.927

CENTROID X

.035

.074

-.120

CENTROID Y

-.099

.080

.135

POA TO CENTROID in.

.105

.109

.100

MIN RADIUS

.354

.330

.517

MEAN RADIUS

.976

.890

.773

MAX RADIUS

1.650

1.610

1.224

HORIZONTAL SPREAD

2.326

2.326

1.717

VERTICAL SPREAD

2.847

1.927

1.927

EXTREME SPREAD

2.850

2.362

1.975

NUMBER IN ONE INCH CIRCLE =

2

NUMBER IN TWO INCH CIRCLE =

6

NUMBER IN THREE INCH CIRCLE =

8