

C6594562

MODEL 700™ M24

Model **SMS**™

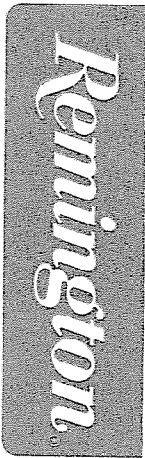
Action

Barrel Length

Capacity

Order No. **5715**

*Includes 1 in chamber.



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

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

MODEL 700™ M24

SERIAL NO.
 06594560

ORDER NO.
 5716

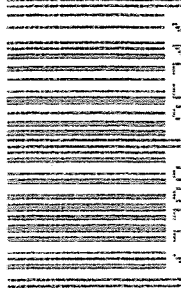
VERY IMPORTANT:
 Instruction Book
 enclosed to assure
 safe use of this
 firearm

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



5716 06594560

LPC



0 4700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6594560

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	1228	90	RW
600	Proof	1228	90	RW
607	Check Headspace	1228	90	RW
610	Dis-assemble Gun	1228	90	RW
612	Magnaflux Barrel Action		1-7-91	KR
	Magnaflux Bolt		"	KR
615	Rollmark Caliber		"	GL
617	Drill and Tap Sight Holes	1	1091	LB
618	Polish Barrel	1	1091	WB
620	Apply Coatings (Barrel Action)		1-13-91	TJA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		1/19/91	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		1/19/91	RW
	C) Inspect Ejector Hole for Chamfer		1/19/91	RW
	D) Oil Firing Pin Ass'y		1/19/91	RW
	E) Adjust Trigger Pull to Min Setting and Stake		1-25-91	RU

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op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4	4	4			1/25/91	WB
	G) Safety Off Force	2 1/4	2 1/4	2 1/4			1/25/91	WB
	H) Trigger Pull Test & Retainability						1-25-91	JV
	I) Firing Pin Indent	.0205	.0205	.0205			1/25/91	WB
	J) Assemble Stock						1/28/91	RW
	K) Assemble Swivel Studs						2-4-91	AC
	L) Attach Front and Rear Sight Assemblies						1/28/91	RW
	M) Iron Sight Alignment						1/28/91	RW
	N) Detach Front & Rear Sights & place in numbered container						1/28/91	RW
	O) Attach Scope to Rifle						1/28/91	RW
	P) Detach & Attach Scope 20 Times						1/28/91	RW
640	Gallery Target & Test						1-28-91	NF
	A) Time						"	NF
	B) Malfunctions						"	NF
	C) Pierced Primers						"	NF
	D) Optical Clarity of Scope						"	NF
645	Inspect for Live Ammo						1-28-91	NF
655	Final Inspection							
	A) Headspace						2-4-91	AC
	B) Trigger Pull	2.36	2.36	2.36	2.37	2.20	2-1-91	JV
	C) Function						2-4-91	AC
660	Pack						3-18-91	NF

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6594560

DATE 1-25-91

TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.25	2.26	2.50	2.36	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.18	2.37	2.41	2.36	
PULL #3	2.21	2.45	2.40	2.36	
PULL #4	2.34	2.42	2.51	2.37	
PULL #5	2.20	2.49	2.50	2.20	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.36	3.22		
PULL #2	3.27	3.18		
PULL #3	3.13	3.20		
PULL #4	3.23	3.16		
PULL #5	3.34	3.22		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.29	4.38		4.25
PULL #2	4.26	4.31		4.14
PULL #3	4.28	4.38		4.15
PULL #4	4.31	4.32		4.26
PULL #5	4.29	4.36		4.20
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6594560
29 Jan 1991

CENTROIDAL DISTANCES

0 TO	1	.303908
1 TO	2	.437919
1 TO	3	.253513
1 TO	4	.342965
1 TO	5	.430048

5
31 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.04
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0248
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0470642

THE AMR FOR THIS RIFLE IS: .8926

29 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6594560

CENTERFIRE PATTERNS # 1

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS - 10

IN CIR

1 in = 0

2 in = 3

3 in = 8

HS = 2.256

VS = 3.025

GS = 3.306

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.314	1.080	1.096
MINIMUM X	-.942	-.796	-.780
MAXIMUM Y	1.390	1.464	1.279
MINIMUM Y	-1.635	-1.480	-1.333
CENTROID X	-.034	-.180	-.196
CENTROID Y	-.302	-.457	-.272
POA TO CENTROID in.	.304	.491	.335
MIN RADIUS	.621	.470	.469
MEAN RADIUS	1.192	1.078	1.017
MAX RADIUS	1.913	1.494	1.354
HORIZONTAL SPREAD	2.256	1.876	1.876
VERTICAL SPREAD	3.025	2.944	2.612
EXTREME SPREAD	3.306	2.949	2.613
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =	3		

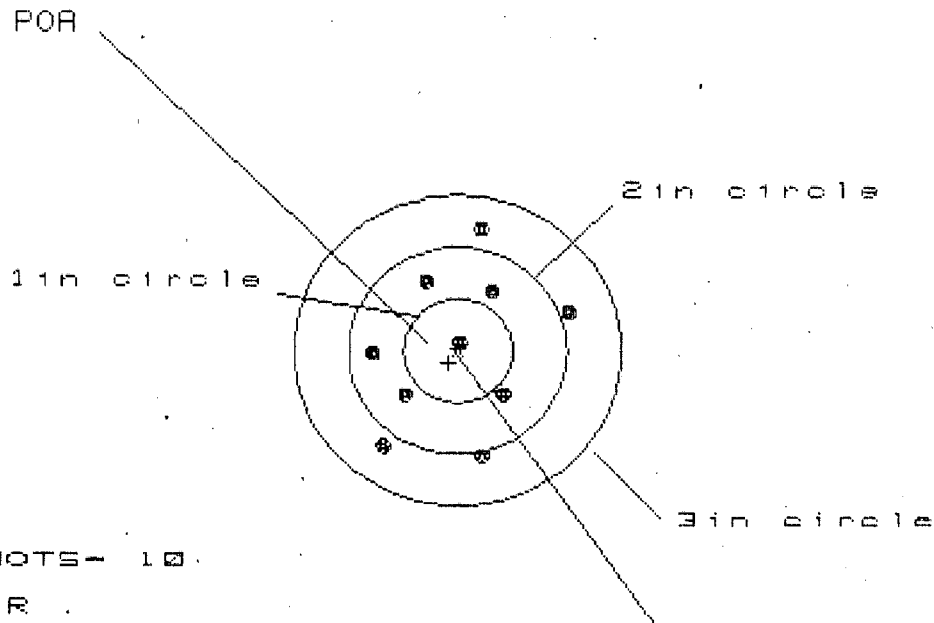
BARBER - M24 0019288

NUMBER IN THREE INCH CIRCLE = 8

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CENTERFIRE PATTERNS # 2



OF SHOTS - 10

IN CIR

1 in = 1

2 in = 6

3 in = 10

HS = 1.849

VS = 2.217

GS = 2.218

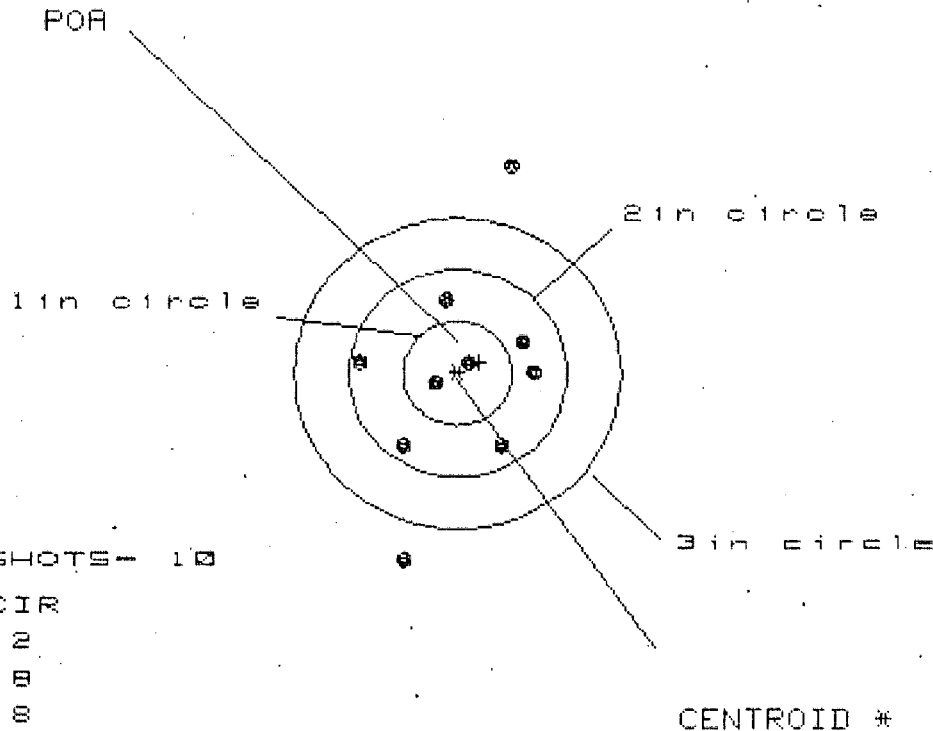
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.026	1.047	.969
MINIMUM X	-.823	-.802	-.880
MAXIMUM Y	1.168	.822	.729
MINIMUM Y	-1.049	-.919	-1.012
CENTROID X	.083	.062	.140
CENTROID Y	.120	-.010	.083
POA TO CENTROID in.	.146	.063	.163
MIN RADIUS	.114	.243	.138
MEAN RADIUS	.801	.761	.719
MAX RADIUS	1.183	1.152	1.044
HORIZONTAL SPREAD	1.849	1.849	1.849
VERTICAL SPREAD	2.217	1.741	1.741
EXTREME SPREAD	2.218	2.070	1.896
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	10		

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CENTERFIRE PATTERNS # 3



HS= 1.564

VS= 3.806

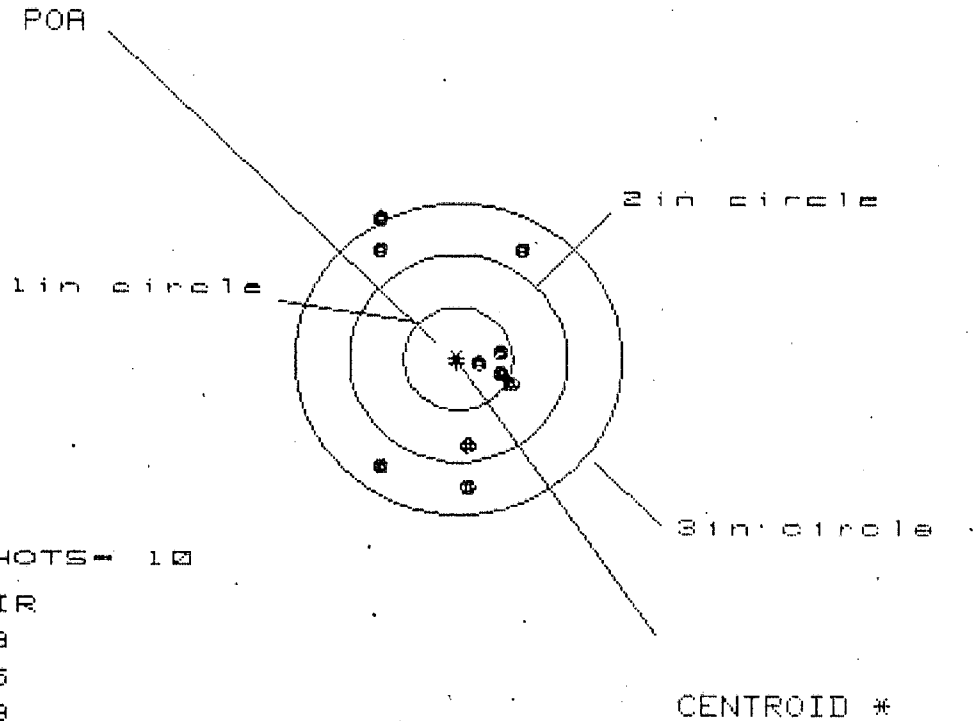
GS= 3.940

PATTERN #	3		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.697	.750	.690
MINIMUM X	-.867	-.814	-.874
MAXIMUM Y	2.055	.890	.699
MINIMUM Y	-1.751	-1.522	-.658
CENTROID X	-.198	-.251	-.191
CENTROID Y	-.107	-.336	-.145
POA TO CENTROID in.	.225	.419	.240
MIN RADIUS	.127	.204	.159
MEAN RADIUS	.885	.758	.615
MAX RADIUS	2.111	1.597	.881
HORIZONTAL SPREAD	1.564	1.564	1.564
VERTICAL SPREAD	3.806	2.412	1.357
EXTREME SPREAD	3.940	2.450	1.567
NUMBER IN ONE INCH CIRCLE	=	2	
NUMBER IN TWO INCH CIRCLE	=	8	
NUMBER IN THREE INCH CIRCLE	=	8	

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CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 5

3 in = 8

HS= 1.268

VS= 2.606

GS= 2.712

CENTROID *

PATTERN #	4	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.569	.491	.396
MINIMUM X	-.699	-.761	-.839
MAXIMUM Y	1.411	1.193	1.083
MINIMUM Y	-1.196	-1.039	-1.149
CENTROID X	.011	.089	.184
CENTROID Y	.038	-.118	-.008
POA TO CENTROID in.	.040	.148	.184
MIN RADIUS	.180	.126	.022
MEAN RADIUS	.874	.749	.661
MAX RADIUS	1.574	1.406	1.370
HORIZONTAL SPREAD	1.268	1.252	1.235
VERTICAL SPREAD	2.606	2.232	2.232
EXTREME SPREAD	2.712	2.417	2.344
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		5	

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NUMBER IN THREE INCH CIRCLE =

9

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FILE:/PATTERNING/CENTERFIRE_PATT/C6534560

CENTERFIRE PATTERNS # 5

POA

1 in circle

2 in circle

3 in circle

OF SHOTS- 10

IN CIR

1 in = 3

2 in = 7

3 in = 10

HS= 1.215

VS= 2.039

GS= 2.280

CENTROID #

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.602	.660	.605
MINIMUM X	-.613	-.555	-.473
MAXIMUM Y	1.129	.709	.614
MINIMUM Y	-.910	-.785	-.880
CENTROID X	-.064	-.122	-.204
CENTROID Y	.127	.002	.097
POA TO CENTROID in.	.142	.122	.226
MIN RADIUS	.247	.371	.267
MEAN RADIUS	.711	.662	.595
MAX RADIUS	1.241	1.011	.953
HORIZONTAL SPREAD	1.215	1.215	1.078
VERTICAL SPREAD	2.039	1.494	1.494
EXTREME SPREAD	2.280	1.782	1.782
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		10	