

C6636113

MODEL 700™ M24

Model **SMS**™

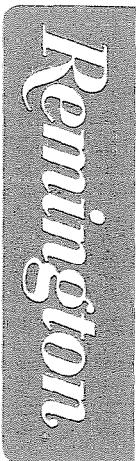
Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



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



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

MODEL 700TM M24

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

SERIAL NO.
C6636113

ORDER NO.
5716

5716 C6636113

UPC

0 47700 25716 7

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 0037855 M2400037894

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6636113

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	QUALITY AUDIT	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	ir
615	Rollmark Caliber		4/10/91	LL
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	LA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		5/22/91	K.S.
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/22/91	K.S.
	C) Inspect Ejector Hole for Chamfer		5/22/91	K.S.
	D) Oil Firing Pin Ass'y		5/22/91	K.S.
	E) Adjust Trigger Pull to Min Setting and Stake		5/24/91	PH

op. #	BARBER - M24 0037857	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			5-24-91	DH
	G) Safety Off Force	3	3	3			5-24-91	DH
	H) Trigger Pull Test & Retainability						4-24-91	DH
	I) Firing Pin Indent	.020	.021	.021			5-24-91	DH
	J) Assemble Stock						5/24/91	KS
	K) Assemble Swivel Studs						6-1-91	DH
	L) Attach Front and Rear Sight Assemblies						5/24/91	KS
	M) Iron Sight Alignment						5/24/91	KS
	N) Detach Front & Rear Sights & place in numbered container						5/24/91	KS
	O) Attach Scope to Rifle						5/24/91	KS
	P) Detach & Attach Scope 20 Times						5/24/91	KS
640	Gallery Target & Test						5-28-91	DH
	A) Time						5-28-91	DH
	B) Malfunctions						5-28-91	DH
	C) Pierced Primers						5-28-91	DH
	D) Optical Clarity of Scope						5-28-91	DH
645	Inspect for Live Ammo						5-28-91	DH
655	Final Inspection							
	A) Headspace						6-1-91	DH
	B) Trigger Pull	2.46	2.51	2.50	2.50	2.48	6/1/91	KS
	C) Function						6-1-91	DH
660	Pack						6-19-91	KS

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

SERIAL NO. C6636113DATE 5-24-91TESTER DH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.35	2.66	2.33	2.46	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.50	2.31	2.97	2.51	
PULL #3	2.49	2.97	2.84	2.50	
PULL #4	2.50	2.75	2.72	2.50	
PULL #5	2.48	2.67	2.93	2.48	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.36	3.64		
PULL #2	3.53	3.55		
PULL #3	3.68	3.66		
PULL #4	3.58	3.59		
PULL #5	3.52	3.66		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.31	4.60		4.58
PULL #2	4.42	4.60		4.39
PULL #3	4.53	4.54		4.38
PULL #4	4.50	4.56		4.52
PULL #5	4.30	4.66		4.55
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS

FOR RIFLE # C6636113

28 May 1991

CENTROIDAL DISTANCES

0 TO	1	.182099
1 TO	2	.166184
1 TO	3	.0494975
1 TO	4	.172986
1 TO	5	.349337

54
5

<----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.1542

THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0608

THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .165754

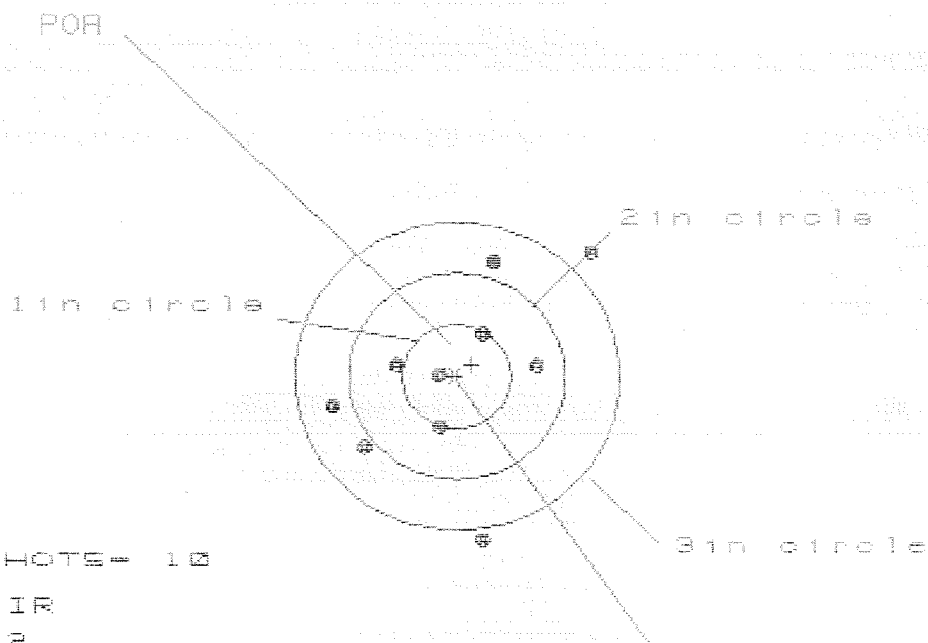
THE AMR FOR THIS RIFLE IS: .9042

28 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6636113

CENTERFIRE PATTERNS

1



OF SHOTS= 10

IN CIR

1in = 2

2in = 5

3in = 8

HS= 2.378

VS= 2.780

GS= 2.955

CENTROID #

PATTERN #

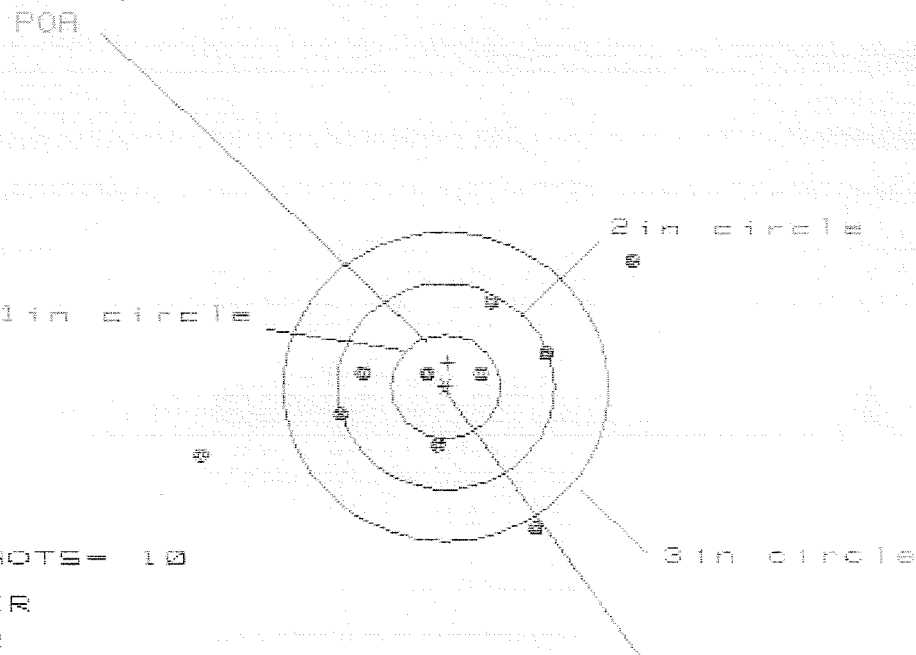
1

SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.261	.919	.968
MINIMUM X	-1.117	-.977	-.928
MAXIMUM Y	1.215	1.199	1.021
MINIMUM Y	-1.565	-1.430	-.735
CENTROID X	-.142	-.282	-.331
CENTROID Y	-.114	-.249	-.071
POA TO CENTROID in.	.182	.376	.339
MIN RADIUS	.148	.152	.050
MEAN RADIUS	.929	.819	.712
MAX RADIUS	1.751	1.484	1.168
HORIZONTAL SPREAD	2.378	1.896	1.896
VERTICAL SPREAD	2.780	2.629	1.756
EXTREME SPREAD	2.955	2.632	2.153
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		8	

28 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8636113

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 5

3 in = 7

HS= 3.949

VS= 2.607

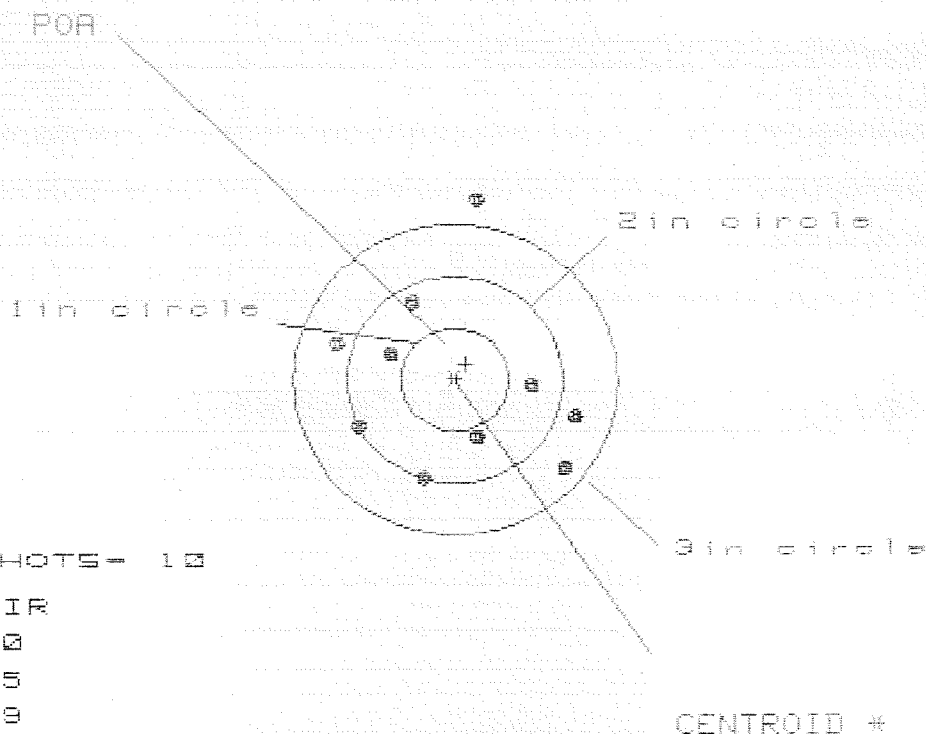
GS= 4.374

PATTERN #	2	3	4
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.719	1.472	.692
MINIMUM X	-2.230	-1.222	-1.038
MAXIMUM Y	1.229	1.157	.906
MINIMUM Y	-1.378	-1.450	-1.305
CENTROID X	-.026	.221	.037
CENTROID Y	-.233	-.161	-.306
POA TO CENTROID in.	.235	.274	.308
MIN RADIUS	.228	.124	.322
MEAN RADIUS	1.105	.959	.834
MAX RADIUS	2.323	1.872	1.530
HORIZONTAL SPREAD	3.949	2.694	1.920
VERTICAL SPREAD	2.607	2.607	2.211
EXTREME SPREAD	4.374	3.067	2.278
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	7		

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FILE: /PATTERNING/CENTERFIRE PAIT/06636113

CENTERFIRE PATTERNS # 3



OF SHOTS - 10

IN CIR

$$117 = 0$$

24-11-19

$$215 = 0$$

HS- 2,208

VS = 2.040

G3= 2.728

PATTERN #

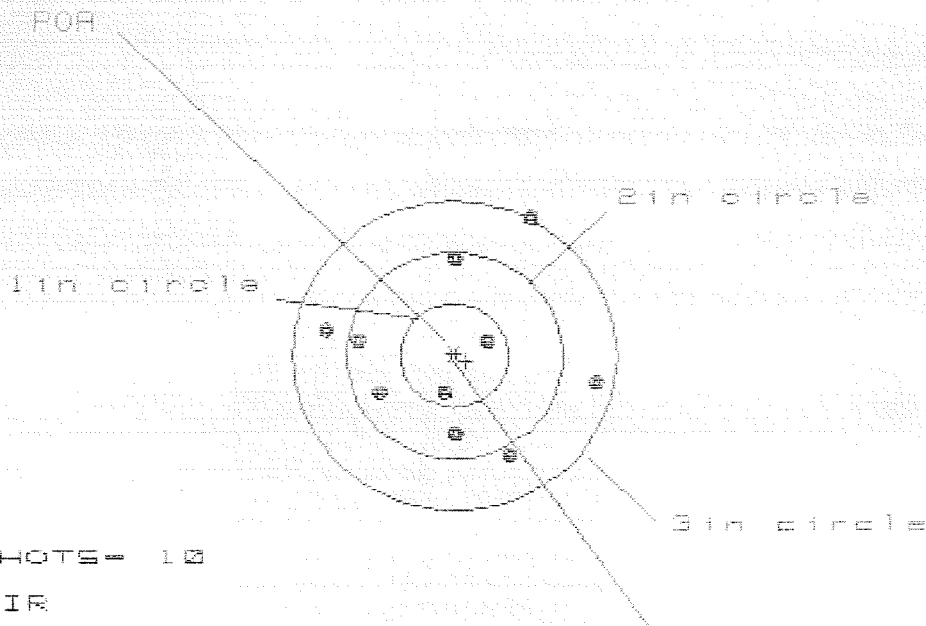
199

SHOTS (BEST OF)		10	9	8
MAXIMUM	X	1.148	1.171	1.300
MINIMUM	X	-1.060	-1.037	-.908
MAXIMUM	Y	1.719	.984	.897
MINIMUM	Y	-.924	-.733	-.820
CENTROID	X	-.107	-.130	-.259
CENTROID	Y	-.149	-.340	-.253
POA TO CENTROID in.		.184	.364	.362
MIN RADIUS		.562	.405	.554
MEAN RADIUS		1.025	.923	.873
MAX RADIUS		1.731	1.245	1.320
HORIZONTAL SPREAD		2.208	2.208	2.208
VERTICAL SPREAD		2.543	1.717	1.717
EXTREME SPREAD		2.728	2.412	2.312
NUMBER IN ONE INCH CIRCLE		=	0	
NUMBER IN TWO INCH CIRCLE		=	5	
NUMBER IN THREE INCH CIRCLE		=	9	

28 MAR 1991

FILE: X/PATTERNING/CENTERFIRE PATT/C6636113

CENTERFIRE PATTERNS # 4



OF SHOTS = 12

IN CIR

$$1 \text{ in } = 2$$

5-11-21

215 - 19

4E4-1

VS= 2.241

GS- 2.405

CENTROID

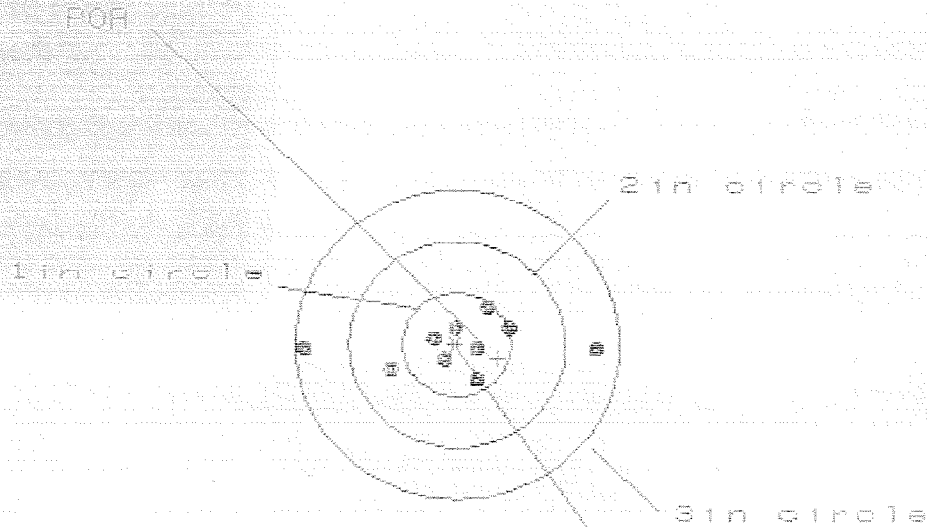
PATTERN # : 4

SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.282	1.360	.728
MINIMUM X	-1.151	-1.074	-.904
MAXIMUM Y	1.324	1.049	1.030
MINIMUM Y	-.917	-.770	-.789
CENTROID X	-.110	-.187	-.357
CENTROID Y	1.054	1.093	1.074
POA TO CENTROID in.	1.122	1.209	1.364
MIN RADIUS	.354	.200	.282
MEAN RADIUS	.906	.813	.735
MAX RADIUS	1.496	1.369	1.074
HORIZONTAL SPREAD	2.434	2.434	1.632
VERTICAL SPREAD	2.241	1.819	1.819
EXTREME SPREAD	2.485	2.485	1.977
NUMBER IN ONE INCH CIRCLE	=	2	
NUMBER IN TWO INCH CIRCLE	=	6	
NUMBER IN THREE INCH CIRCLE	=	10	

28 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6636113

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 6

2in = 8

3in = 10

HS= 2.713

VS= .647

GS= 2.713

CENTROID #

PATTERN #	5
SHOTS (BEST OF)	10
MAXIMUM X	1.388
MINIMUM X	-1.485
MAXIMUM Y	.339
MINIMUM Y	-.388
CENTROID X	-.386
CENTROID Y	.136
POA TO CENTROID in.	.409
MIN RADIUS	.177
MEAN RADIUS	.556
MAX RADIUS	1.407
HORIZONTAL SPREAD	2.713
VERTICAL SPREAD	.647
EXTREME SPREAD	2.713
NUMBER IN ONE INCH CIRCLE	6
NUMBER IN TWO INCH CIRCLE	8
NUMBER IN THREE INCH CIRCLE	10