

C6636229

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5715**

*Includes 1 in chamber.

Remington

Remington®



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

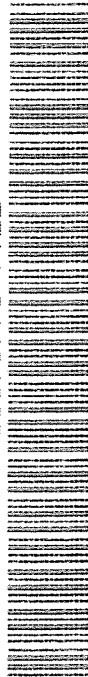
MODEL 700™ M24

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

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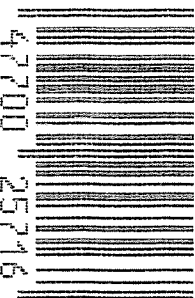
SERIAL NO.
C6636229

ORDER NO.
5716



5716 C6636229

UPC



0 47700 25716 2

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # **C6636229**

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		6/27/91	KL
600	Proof		6/27/91	KL
607	Check Headspace		6/27/91	KL
610	Dis-assemble Gun		6/27/91	KL
612	Magnaflux Barrel Action		JUL 2 1991	KR
	Magnaflux Bolt		JUL 2 1991	KR
615	Rollmark Caliber		JUL 2 1991	KR
617	Drill and Tap Sight Holes		JUL 2 1991	EB
618	Polish Barrel		JUL 7 1991	WB
620	Apply Coatings (Barrel Action)		8-6-91	KL
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		8/14/91	KL
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/14/91	KL
	C) Inspect Ejector Hole for Chamfer		8/14/91	KL
	D) Oil Firing Pin Ass'y		8/14/91	KL
	E) Adjust Trigger Pull to Min Setting and Stake		8/17/91	WB

op. #	NAME BARBER M24 0031978	READINGS			DATE	INIT		
625 cont.	F) Safety On Force	5	5	5½	8-17-91	DH		
	G) Safety Off Force	2½	2½	2½	8-17-91	DH		
	H) Trigger Pull Test & Retainability				8/17/91	WB		
	I) Firing Pin Indent	.021	.020	.020	8-17-91	DH		
	J) Assemble Stock				8/17/91	KH		
	K) Assemble Swivel Studs				8-22-91	DH		
	L) Attach Front and Rear Sight Assemblies				8/17/91	KH		
	M) Iron Sight Alignment				8/17/91	KH		
	N) Detach Front & Rear Sights & place in numbered container				8/17/91	KH		
	O) Attach Scope to Rifle				8/17/91	KH		
	P) Detach & Attach Scope 20 Times				8/17/91	KH		
640	Gallery Target & Test				8/19/91	KH		
	A) Time					KH		
	B) Malfunctions					KH		
	C) Pierced Primers					KH		
	D) Optical Clarity of Scope					KH		
645	Inspect for Live Ammo				8/19/91	KH		
655	Final Inspection							
	A) Headspace				8-22-91	DH		
	B) Trigger Pull	261	272	273	280	268	8-21-91	DH
	C) Function						8-22-91	DH
660	Pack						8-22-91	DH

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6636229
23 Aug 1991

CENTROIDAL DISTANCES

0 TO	1	.0793095
1 TO	2	.251348
1 TO	3	.148273
1 TO	4	.157003
1 TO	5	.0326497

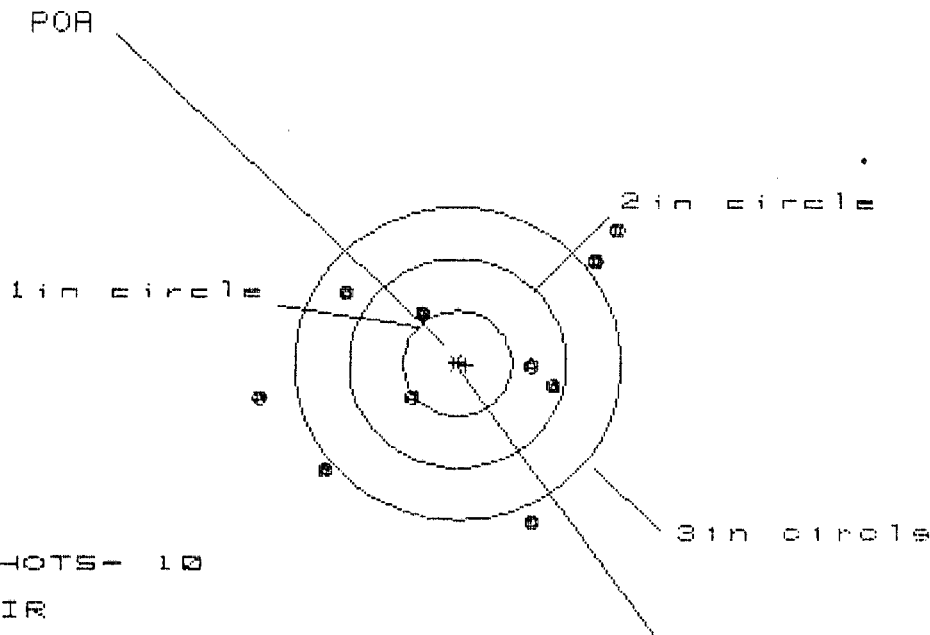
←----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0478
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0212
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0522903
THE AMR FOR THIS RIFLE IS: 1.03

23 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C68636229

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1 in = 0

2 in = 4

3 in = 5

HS= 3.263

VS= 2.839

GS= 3.637

CENTROID #

PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.446	1.391	1.184
MINIMUM X	-1.817	-1.656	-1.293
MAXIMUM Y	1.296	1.169	1.148
MINIMUM Y	-1.543	-1.399	-1.420
CENTROID X	-.077	-.238	-.031
CENTROID Y	.019	-.125	-.104
POA TO CENTROID in.	.079	.268	.108
MIN RADIUS	.525	.313	.512
MEAN RADIUS	1.262	1.173	1.104
MAX RADIUS	1.942	1.817	1.649
HORIZONTAL SPREAD	3.263	3.047	2.477
VERTICAL SPREAD	2.839	2.568	2.568
EXTREME SPREAD	3.637	3.327	3.237
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	5		

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FILE:/PATTERNING/CENTERFIRE_PATT/C6636229

CENTERFIRE PATTERNS # 2

POR

1in circle

2in circle

3in circle

OF SHOTS- 10

IN CIR

1in = 2

2in = 5

3in = 10

HS= 1.582

VS= 2.259

GS= 2.262

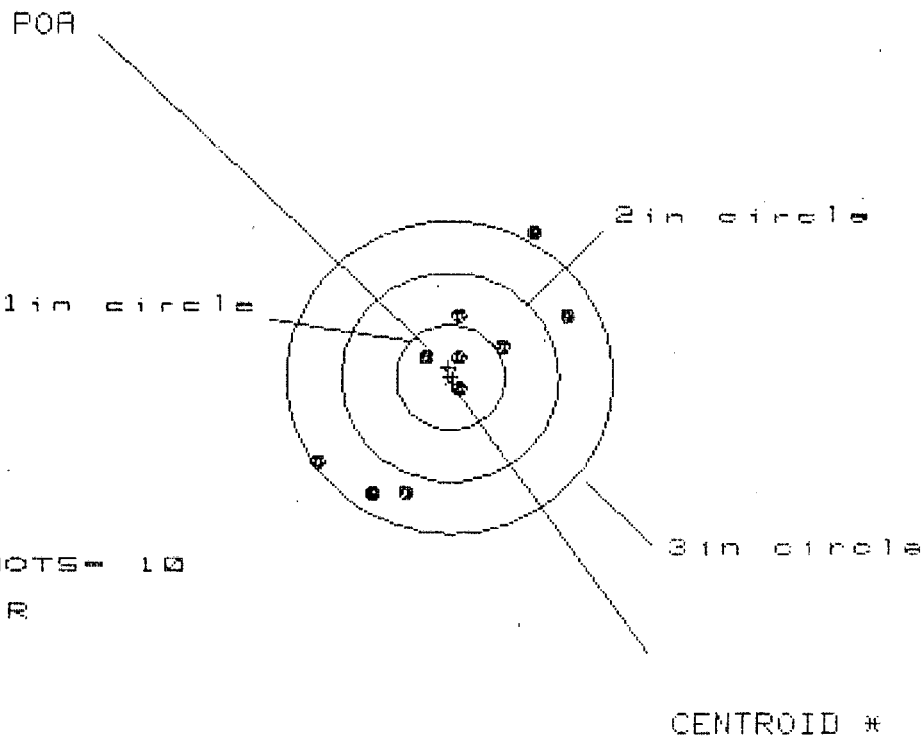
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.778	.729	.645
MINIMUM X	:	-.804	-.853	-.937
MAXIMUM Y	:	1.138	1.139	1.093
MINIMUM Y	:	-1.121	-.994	-.852
CENTROID X	:	.149	.198	.282
CENTROID Y	:	-.091	-.218	-.360
POR TO CENTROID in.	:	.174	.294	.457
MIN RADIUS	:	.272	.200	.195
MEAN RADIUS	:	.822	.741	.632
MAX RADIUS	:	1.222	1.322	1.269
HORIZONTAL SPREAD	:	1.582	1.582	1.582
VERTICAL SPREAD	:	2.259	2.133	1.945
EXTREME SPREAD	:	2.262	2.262	2.262
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		10	

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CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1 in = 3

2 in = 5

3 in = 9

IS = 0.0000

VS = 0.524

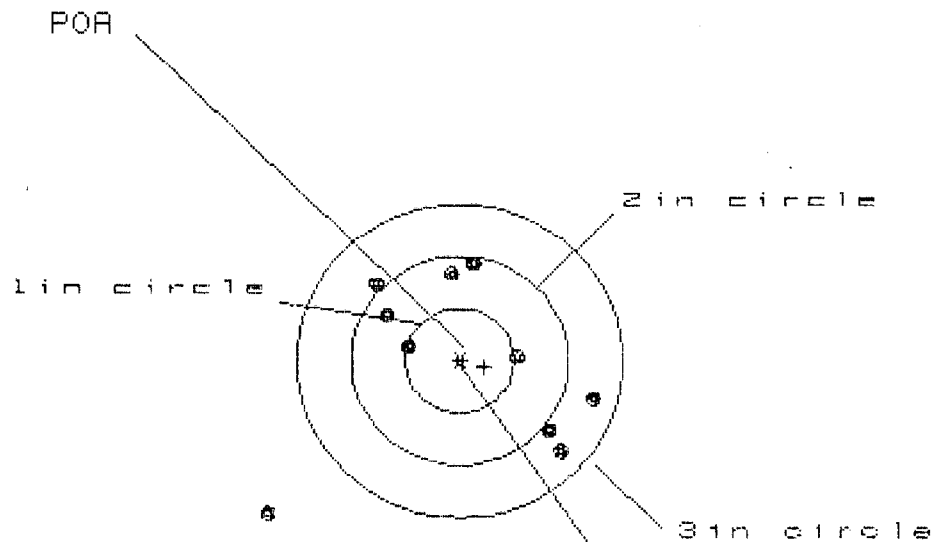
GS = 0.970

PATTERN #	3	3	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.042	1.125	.987
MINIMUM X	-1.181	-1.098	-.817
MAXIMUM Y	1.408	.736	.649
MINIMUM Y	-1.116	-.959	-1.046
CENTROID X	.019	-.064	.074
CENTROID Y	-.094	-.251	-.164
POA TO CENTROID in.	.096	.259	.180
MIN RADIUS	.131	.179	.044
MEAN RADIUS	.841	.790	.675
MAX RADIUS	1.593	1.344	1.291
HORIZONTAL SPREAD	2.223	2.223	1.804
VERTICAL SPREAD	2.524	1.695	1.695
EXTREME SPREAD	2.970	2.645	2.444
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	9		

23 Aug 1981

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CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 5

3 in = 9

ME = 2.999

VS = 2.354

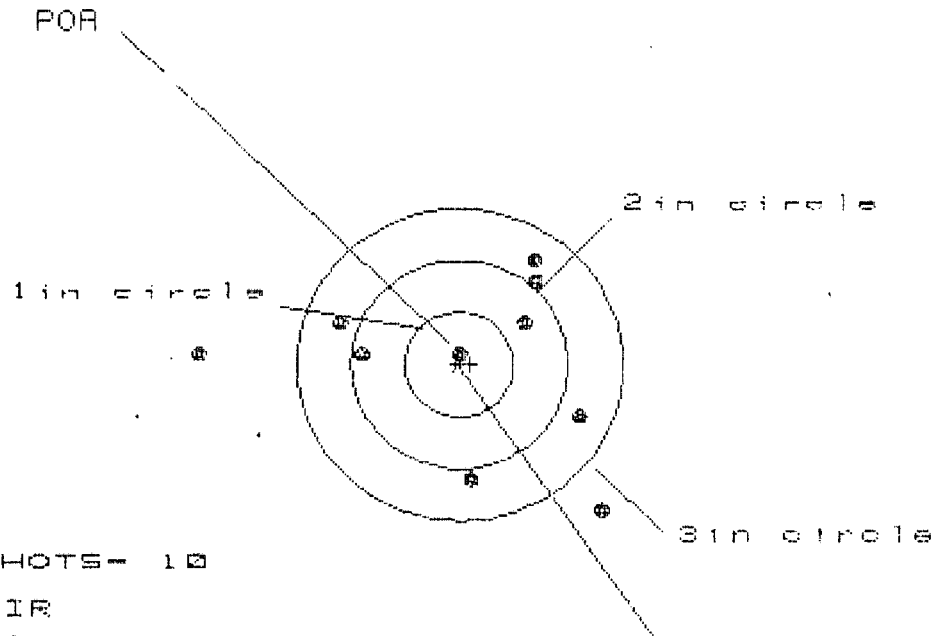
GS = 3.188

PATTERN #	4	3	2
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.243	1.048	.821
MINIMUM X	-1.756	-.973	-.842
MAXIMUM Y	.930	.772	.710
MINIMUM Y	-1.423	-1.008	-1.070
CENTROID X	-.228	-.033	-.164
CENTROID Y	.062	.221	.283
POA TO CENTROID in.	.237	.223	.327
MIN RADIUS	.498	.385	.530
MEAN RADIUS	1.057	.888	.833
MAX RADIUS	2.260	1.221	1.349
HORIZONTAL SPREAD	2.999	2.021	1.663
VERTICAL SPREAD	2.354	1.780	1.780
EXTREME SPREAD	3.188	2.330	2.330
NUMBER IN ONE INCH CIRCLE =	1	5	9
NUMBER IN TWO INCH CIRCLE =	5	9	9
NUMBER IN THREE INCH CIRCLE =	9	9	9

23 Aug 1981

FILE:/PATTERNING/CENTERFIRE_PATT/C6636229

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 3

3 in = 8

HS = 2.752

VS = 2.389

CS = 4.044

CENTROID *

PATTERN #	15	16	17
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.314	1.043	.913
MINIMUM X	-2.438	-1.361	-1.231
MAXIMUM Y	1.029	1.046	.878
MINIMUM Y	-1.360	-1.343	-1.259
CENTROID X	-.102	.169	.039
CENTROID Y	-.002	-.013	.149
POA TO CENTROID in.	.102	.170	.154
MIN RADIUS	.114	.296	.141
MEAN RADIUS	1.170	1.009	.888
MAX RADIUS	2.443	1.701	1.266
HORIZONTAL SPREAD	3.752	2.404	2.144
VERTICAL SPREAD	2.389	2.389	2.137
EXTREME SPREAD	4.044	3.009	2.349
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	3		
NUMBER IN THREE INCH CIRCLE =	8		

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

SERIAL NO. C6636279DATE 8/17/91TESTER WB

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.35	2.36	2.55	2.61	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.39	2.36	2.52	2.72	
PULL #3	2.36	2.31	2.42	2.73	
PULL #4	2.32	2.45	2.40	2.80	
PULL #5	2.32	2.47	2.45	2.68	
TOTAL	11.74	11.95	12.34		
AVG.	2.35	2.39	2.47		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.22	3.09		
PULL #2	3.09	3.18		
PULL #3	3.13	3.24		
PULL #4	3.16	3.21		
PULL #5	3.15	3.18		
TOTAL	15.75	15.90		
AVG.	3.15	3.18		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.11	4.17		4.04
PULL #2	3.95	4.09		4.02
PULL #3	4.17	4.26		4.06
PULL #4	4.04	4.18		4.00
PULL #5	4.06	4.13		4.00
TOTAL	20.33	20.83		20.12
AVG.	4.07	4.17		4.02