

C6636051

MODEL 700™ M24

Model **SMS**™

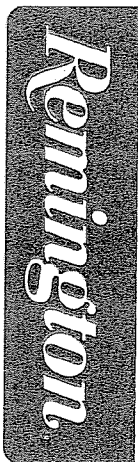
Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



Remington

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

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

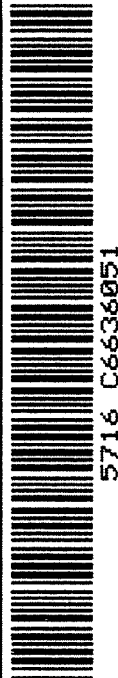
MODEL 700™ M24

SERIAL NO.
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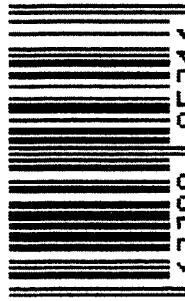
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.

20



5716 C6636051

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # *CG636051*

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	4 8	91	<i>Rw</i>
600	Proof	4 8	91	<i>Rw</i>
607	Check Headspace	4 8	91	<i>Rw</i>
610	Dis-assemble Gun	4 8	91	<i>Rw</i>
612	Magnaflux Barrel Action		APR 9 1991	<i>RR</i>
	Magnaflux Bolt		APR 9 1991	<i>cc</i>
615	Rollmark Caliber		APR 9 1991	<i>LS</i>
617	Drill and Tap Sight Holes		APR 9 1991	<i>FB</i>
618	Polish Barrel		APR 9 1991	<i>WB</i>
620	Apply Coatings (Barrel Action)		5-10-91	<i>FA</i>
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		5/14/91	<i>Rw</i>
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/14/91	<i>Rw</i>
	C) Inspect Ejector Hole for Chamfer		5/14/91	<i>Rw</i>
	D) Oil Firing Pin Ass'y		5/14/91	<i>Rw</i>
	E) Adjust Trigger Pull to Min Setting and Stake		5/25/91	<i>RU</i>

op. #	BARBER - M24 0037118 OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			5-28-91	DH
	G) Safety Off Force	3	3	3			5-28-91	DH
	H) Trigger Pull Test & Retainability						5/25/91	RU
	I) Firing Pin Indent	.022	.022	.022			5-28-91	DH
	J) Assemble Stock						5/29/91	RW
	K) Assemble Swivel Studs						6-1-91	DH
	L) Attach Front and Rear Sight Assemblies						5/29/91	RW
	M) Iron Sight Alignment						5/29/91	RW
	N) Detach Front & Rear Sights & place in numbered container						5/29/91	RW
	O) Attach Scope to Rifle						5/29/91	RW
	P) Detach & Attach Scope 20 Times						5/29/91	RW
640	Gallery Target & Test						5-31-91	AC
	A) Time						5-31-91	AC
	B) Malfunctions						5-31-91	AC
	C) Pierced Primers						5-31-91	AC
	D) Optical Clarity of Scope						5-31-91	AC
645	Inspect for Live Ammo						5-31-91	AC
655	Final Inspection							
	A) Headspace						6-1-91	DH
	B) Trigger Pull	2.29	2.33	2.30	2.31	2.30	6/1/91	RU
	C) Function						6-1-91	DH
660	Pack						6-20-91	W

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

SERIAL NO. C6636051DATE 5/25/91TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.52	2.68	2.39	2.29	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.64	2.69	2.44	2.33	
PULL #3	2.54	2.34	2.45	2.30	
PULL #4	2.62	2.25	2.48	2.31	
PULL #5	2.58	2.57	2.38	2.30	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.56	3.56		
PULL #2	3.52	3.40		
PULL #3	3.52	3.57		
PULL #4	3.54	3.57		
PULL #5	3.45	3.58		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.19	4.25		4.23
PULL #2	4.24	4.22		4.23
PULL #3	4.25	4.26		4.23
PULL #4	4.25	4.18		4.23
PULL #5	4.25	4.20		4.25
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6636051
31 May 1991

CENTROIDAL DISTANCES

0 TO	1	.0730068
1 TO	2	.153688
1 TO	3	.311117
1 TO	4	.0276586
1 TO	5	.385188

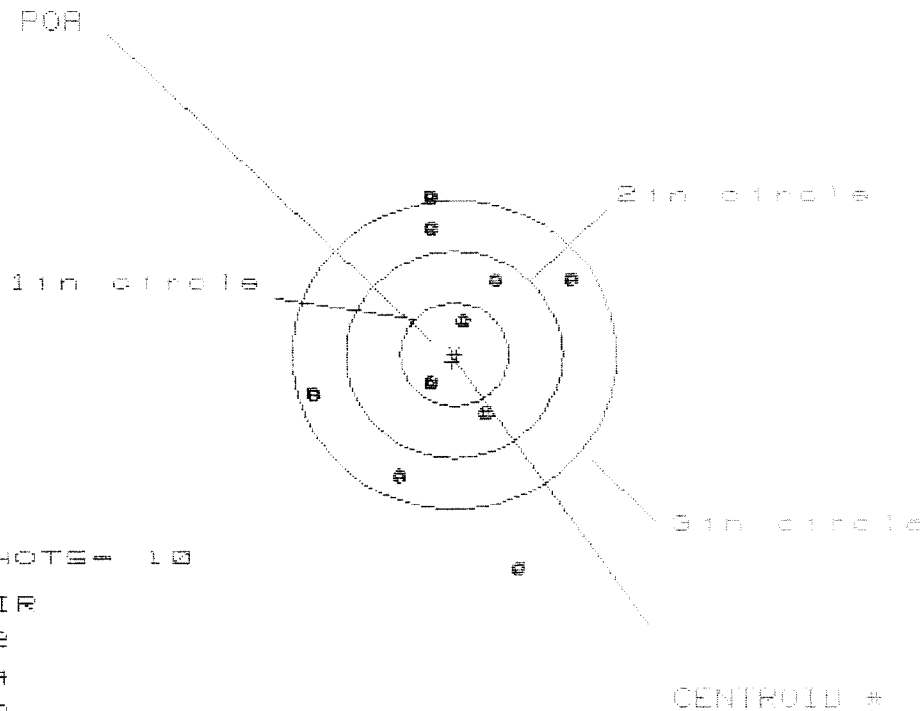
$\frac{5}{43}$ <----FOR

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .108
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .141
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .177609
THE AMR FOR THIS RIFLE IS: 1.025

31 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08636051

CENTERFIRE PATTERNS # 1



OF SHOTS = 10

IN CIR

1in = 2

2in = 4

3in = 8

H0 = 2.352

V0 = 3.657

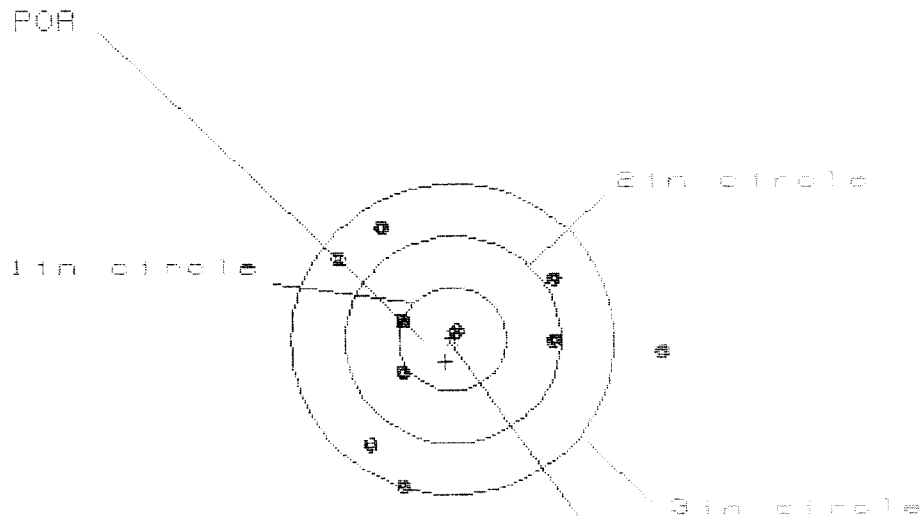
G0 = 3.743

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.077	1.143	1.126
MINIMUM X	-1.275	-1.289	-1.226
MAXIMUM Y	1.542	1.387	1.154
MINIMUM Y	-2.115	-1.441	-1.277
CENTROID X	.017	-.049	-.032
CENTROID Y	.071	.306	.142
POA TO CENTROID in.	.073	.309	.146
MIN RADIUS	.327	.201	.288
MEAN RADIUS	1.114	.973	.921
MAX RADIUS	2.196	1.510	1.361
HORIZONTAL SPREAD	2.352	2.352	2.352
VERTICAL SPREAD	3.657	2.748	2.431
EXTREME SPREAD	3.743	2.766	2.685
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	8		

31 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6836051

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1in = 2

2in = 4

3in = 9

HS= 3.018

VS= 2.491

GS= 3.142

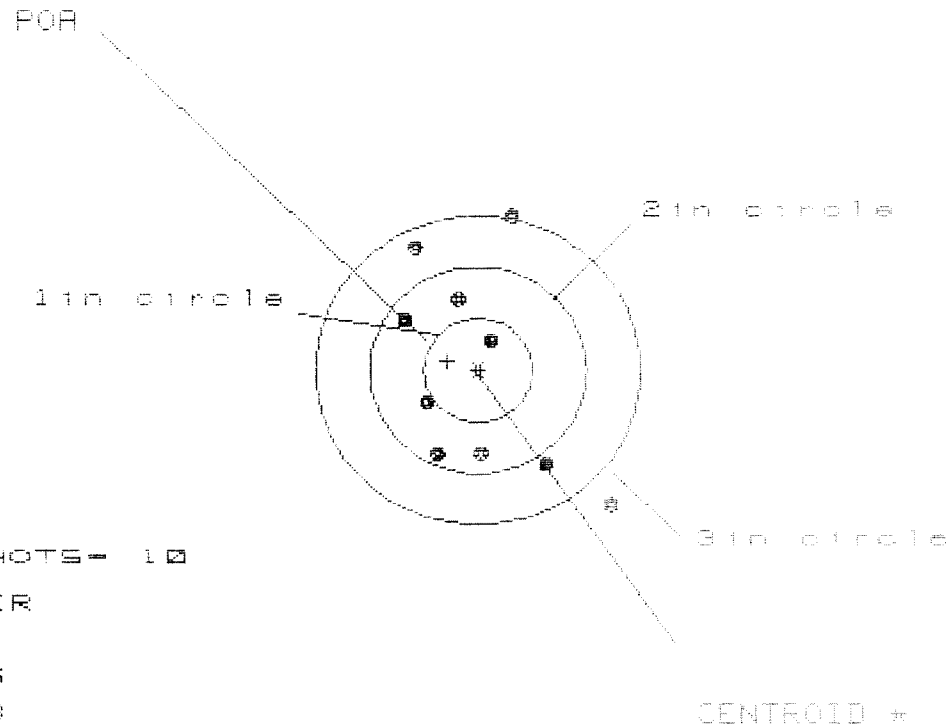
CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.950	1.179	1.148
MINIMUM X	-1.068	-0.852	-0.883
MAXIMUM Y	1.090	1.079	.902
MINIMUM Y	-1.401	-1.412	-1.206
CENTROID X	.065	-.151	-.128
CENTROID Y	.217	.228	.405
POA TO CENTROID in.	.227	.274	.423
MIN RADIUS	.096	.261	.234
MEAN RADIUS	1.047	.921	.846
MAX RADIUS	1.952	1.434	1.318
HORIZONTAL SPREAD	3.018	2.031	2.031
VERTICAL SPREAD	2.491	2.491	2.108
EXTREME SPREAD	3.142	2.501	2.300
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		4	
NUMBER IN THREE INCH CIRCLE =		9	

31 May 1981

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CENTERFIRE PATTERNS # 3



OF SHOTS - 10

IN CIR

1in = 1

2in = 6

3in = 8

HS = 1.908

VS = 2.770

GS = 3.039

PATTERN #	:	3
SHOTS (BEST OF)	:	10 9 8
MAXIMUM X	:	1.225 .784 .842
MINIMUM X	:	-.683 -.547 -.489
MAXIMUM Y	:	1.491 1.349 1.196
MINIMUM Y	:	-1.279 -1.081 -.912
CENTROID X	:	.282 .146 .088
CENTROID Y	:	-.092 .050 -.119
POR TO CENTROID in.	:	.296 .154 .148
MIN RADIUS	:	.291 .259 .346
MEAN RADIUS	:	.989 .875 .797
MAX RADIUS	:	1.771 1.427 1.255
HORIZONTAL SPREAD	:	1.908 1.331 1.331
VERTICAL SPREAD	:	2.770 2.436 2.108
EXTREME SPREAD	:	3.039 2.451 2.437
NUMBER IN ONE INCH CIRCLE =	:	1
NUMBER IN TWO INCH CIRCLE =	:	6
NUMBER IN THREE INCH CIRCLE =	:	8

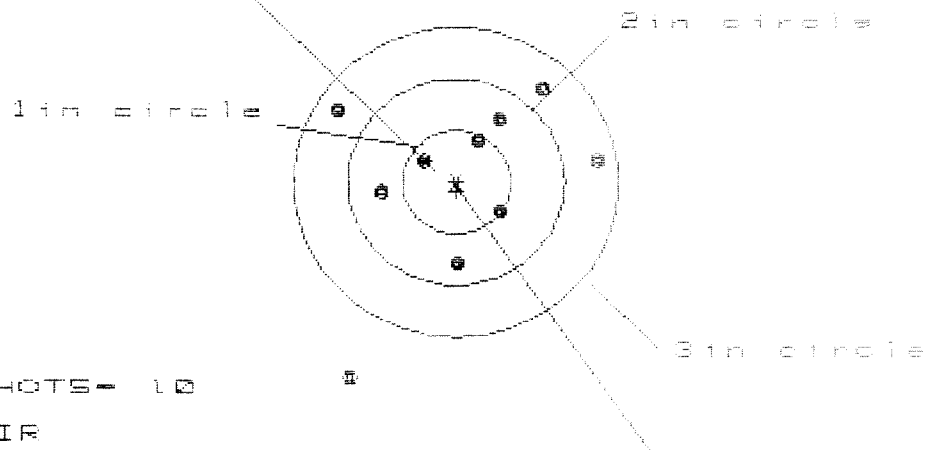
31 May 1981

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CENTERFIRE PATTERNS

4

POA



OF SHOTS - 10

IN CIR

1 in = 3

2 in = 6

3 in = 9

HS = 3.407

VS = 2.736

GS = 3.291

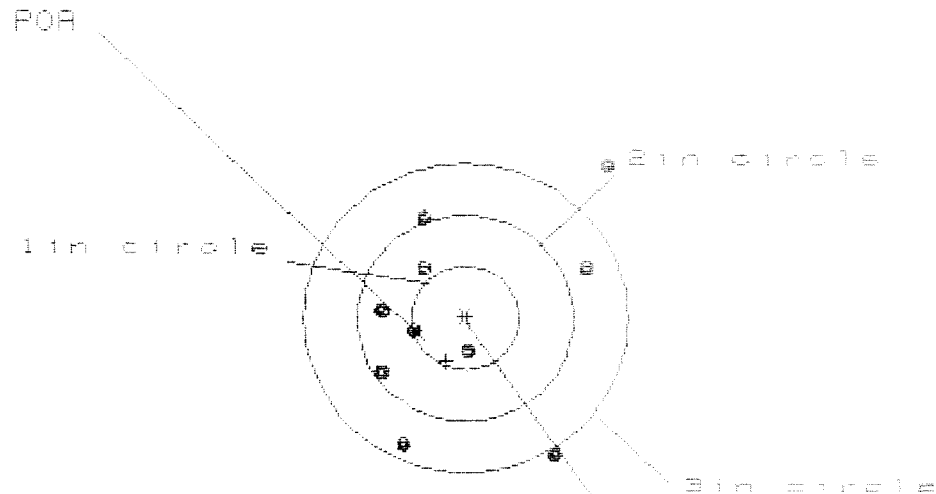
CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.299	1.190	1.036
MINIMUM X	:	-1.108	-1.217	-1.991
MAXIMUM Y	:	.877	.670	.735
MINIMUM Y	:	-1.859	-1.965	-1.900
CENTROID X	:	-.004	.105	.257
CENTROID Y	:	.089	.296	.231
POA TO CENTROID in.	:	.089	.314	.345
MIN RADIUS	:	.379	.261	.328
MEAN RADIUS	:	.952	.793	.721
MAX RADIUS	:	2.102	1.322	1.040
HORIZONTAL SPREAD	:	2.407	2.407	2.029
VERTICAL SPREAD	:	2.736	1.635	1.635
EXTREME SPREAD	:	3.291	2.463	2.057
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

31 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08636051

CENTERFIRE PATTERNS # 5



OF SHOTS = 10

IN CIR

1 in = 2

2 in = 5

3 in = 3

ME = 2.085

VE = 2.730

GE = 3.253

CENTROID *

PATTERN #	5	5	5
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.290	1.309	1.427
MINIMUM X	-1.795	-1.651	-1.533
MAXIMUM Y	1.431	1.165	1.022
MINIMUM Y	-1.299	-1.140	-1.244
CENTROID X	.180	.036	-.082
CENTROID Y	.420	.261	.404
POA TO CENTROID in.	.457	.264	.412
MIN RADIUS	.337	.232	.206
MEAN RADIUS	1.025	.870	.768
MAX RADIUS	1.927	1.403	1.527
HORIZONTAL SPREAD	2.085	1.960	1.960
VERTICAL SPREAD	2.730	2.305	2.266
EXTREME SPREAD	3.253	2.571	2.466
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	3		