

C6649299

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



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

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

MODEL 700™ M24

SERIAL NO. C6649299

ORDER NO. 5716

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

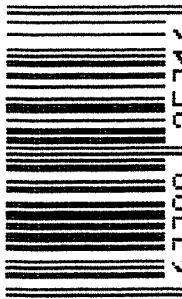
VERY IMPORTANT:
Instruction Book
enclosed to assure
safe use of this
firearm.

06



5716 C6649299

UPC



0 47700 25716 7

GFM

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6649299

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		7/24/91	KH
600	Proof		7/24/91	KH
607	Check Headspace		7/24/91	KH
610	Dis-assemble Gun		7/24/91	KH
612	Magnaflux Barrel Action		AUG 7 1991	KR
	Magnaflux Bolt		AUG 7 1991	KR
615	Rollmark Caliber		AUG 7 1991	DS
617	Drill and Tap Sight Holes		AUG 7 1991	FB
618	Polish Barrel		AUG 13 1991	WB
620	Apply Coatings (Barrel Action)		8-27-91	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		9/5/91	KH
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		9/5/91	KH
	C) Inspect Ejector Hole for Chamfer		9/5/91	KH
	D) Oil Firing Pin Ass'y		9/5/91	KH
	E) Adjust Trigger Pull to Min Setting and Stake		9/6/91	JP

op. #	BARBER M24 0067482	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	7	7			9-7-91	DH
	G) Safety Off Force	2 1/4	2 1/2	2 1/2			9-7-91	DH
	H) Trigger Pull Test & Retainability						9/6/91	SH
	I) Firing Pin Indent	1.020	1.020	1.020			9-7-91	DH
	J) Assemble Stock						9/9/91	SH
	K) Assemble Swivel Studs						9/13/91	SH
	L) Attach Front and Rear Sight Assemblies						9/9/91	SH
	M) Iron Sight Alignment						9/9/91	SH
	N) Detach Front & Rear Sights & place in numbered container						9/9/91	SH
	O) Attach Scope to Rifle						9/9/91	SH
	P) Detach & Attach Scope 20 Times						9/9/91	SH
640	Gallery Target & Test						9-10-91	NF
	A) Time						"	NF
	B) Malfunctions						"	NF
	C) Pierced Primers						"	NF
	D) Optical Clarity of Scope						"	NF
645	Inspect for Live Ammo						9-10-91	NF
655	Final Inspection						9/13/91	SH
	A) Headspace							
	B) Trigger Pull	2.66	2.64	2.61	2.42	2.47	9-12-91	SH
	C) Function						9/13/91	SH
660	Pack						9-9-91	NF

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C-6649289

DATE 9-6-91

TESTER JM

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.42	2.51	2.44	2.66	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.50	2.23	2.51	2.64	
PULL #3	2.42	2.46	2.55	2.61	
PULL #4	2.47	2.42	2.48	2.42	
PULL #5	2.51	2.49	2.40	2.47	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.41	3.27		
PULL #2	3.39	3.46		
PULL #3	3.20	3.52		
PULL #4	3.59	3.57		
PULL #5	3.47	3.34		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.55	4.40	4.44	4.44
PULL #2	4.53	4.46	4.41	4.41
PULL #3	4.51	4.23	4.47	4.47
PULL #4	4.50	4.42		4.56
PULL #5	4.46	4.47		4.49
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6649299
11 Sep 1991

CENTROIDAL DISTANCES

0 TO 1	.1814
1 TO 2	.138293
1 TO 3	.381168
1 TO 4	.300093
1 TO 5	.174568

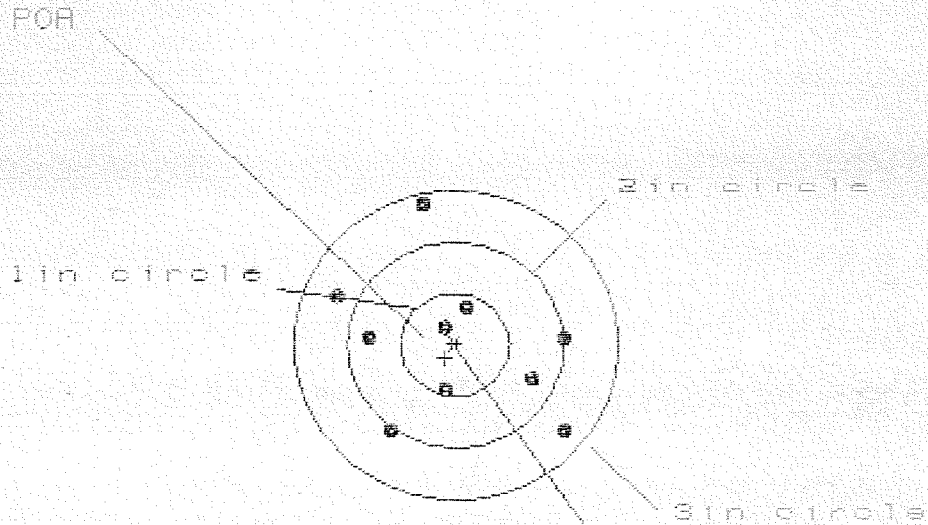
5
4.3 <----FOR

AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0964
AVERAGE X-COORDINATE FOR THIS RIFLE IS: .036
AVERAGE AVERAGE POI RADIUS FOR THIS RIFLE IS: .102903
AVERAGE POI RADIUS FOR THIS RIFLE IS: .85

11 Sep 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06649299

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1 in = 3

2 in = 5

3 in = 10

HS= 2.091

VS= 2.223

GS= 2.601

PATTERN #

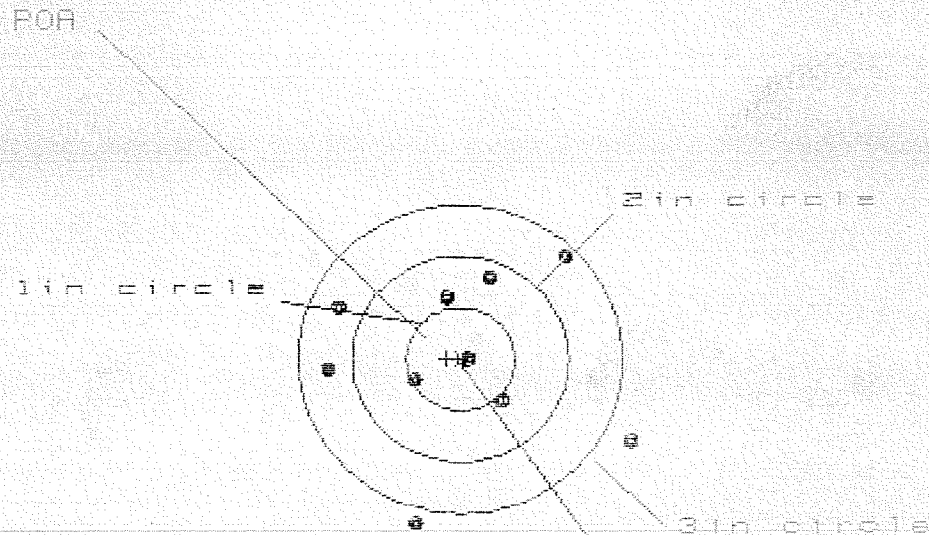
1

SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.037	1.002	1.105
MINIMUM X	-1.054	-1.089	-.964
MAXIMUM Y	1.354	.574	.404
MINIMUM Y	-.869	-.718	-.744
CENTROID X	.097	.132	.007
CENTROID Y	.129	-.022	.068
POA TO CENTROID in.	.161	.134	.068
MIN RADIUS	.187	.273	.224
MEAN RADIUS	.845	.785	.710
MAX RADIUS	1.390	1.233	1.109
HORIZONTAL SPREAD	2.091	2.091	2.069
VERTICAL SPREAD	2.223	1.292	1.228
LARGEST SPREAD	2.601	2.458	2.107
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	10		

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CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 5

3 in = 8

HS= 2.870

VS= 2.576

GS= 3.011

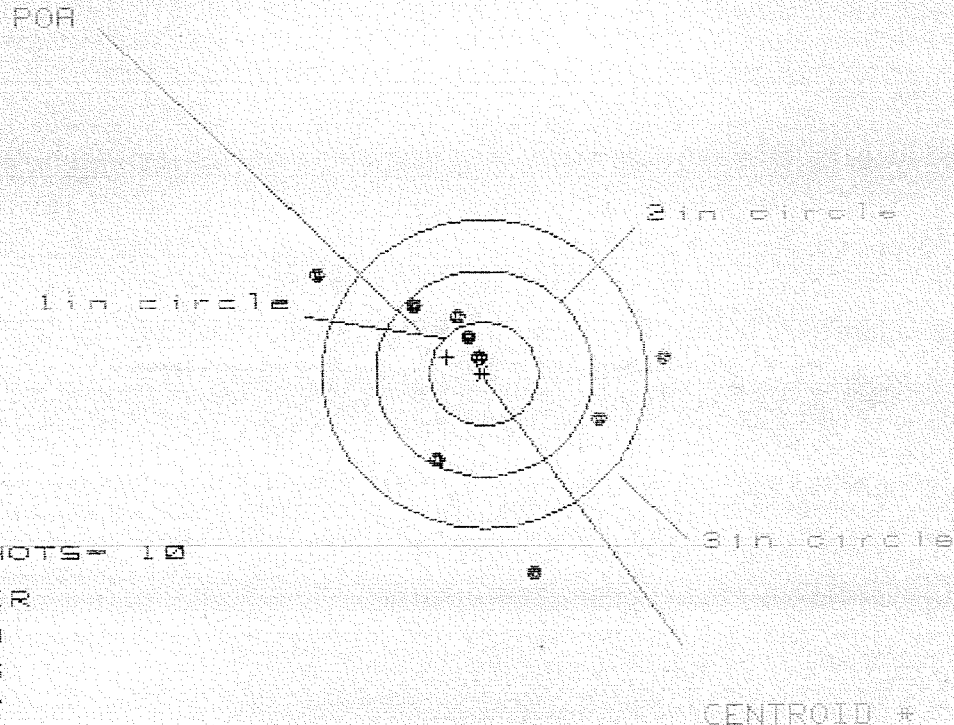
CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.594	1.142	1.109
MINIMUM X	-1.276	-1.099	-1.132
MAXIMUM Y	.980	.897	.687
MINIMUM Y	-1.596	-1.679	-.694
CENTROID X	.127	-.050	-.017
CENTROID Y	-.006	.077	.287
POA TO CENTROID in.	.127	.092	.287
MIN RADIUS	.053	.247	.361
MEAN RADIUS	.994	.904	.795
MAX RADIUS	1.761	1.700	1.304
HORIZONTAL SPREAD	2.870	2.241	2.241
VERTICAL SPREAD	2.576	2.576	1.381
EXTREME SPREAD	3.011	2.936	2.503
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		8	

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CENTERFIRE PATTERNS # 3



OF SHOTS = 10

IN CIR

1 in = 3

2 in = 6

3 in = 7

HS = 3.195

VS = 2.937

GS = 3.577

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.628	1.681	1.492
MINIMUM X	-1.567	-1.514	-1.801
MAXIMUM Y	1.007	.793	.594
MINIMUM Y	-1.938	-1.045	-.946
CENTROID X	.342	.289	.478
CENTROID Y	-.163	.051	-.048
POA TO CENTROID in.	.379	.294	.481
MIN RADIUS	.165	.019	.196
MEAN RADIUS	.995	.809	.760
MAX RADIUS	1.987	1.709	1.492
HORIZONTAL SPREAD	3.195	3.195	2.293
VERTICAL SPREAD	2.937	1.838	1.540
EXTREME SPREAD	3.577	3.305	2.357
NUMBER IN ONE INCH CIRCLE	= 3		
NUMBER IN TWO INCH CIRCLE	= 6		
NUMBER IN THREE INCH CIRCLE	= 7		

(1 Sep 1991)

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CENTERFIRE PATTERNS

4

POB

1 in circle

2 in circle

3 in circle

OF SHOTS= 10

IN CIR

1 in = 3

2 in = 7

3 in = 10

HS= 1.848

VS= 1.922

GS= 2.430

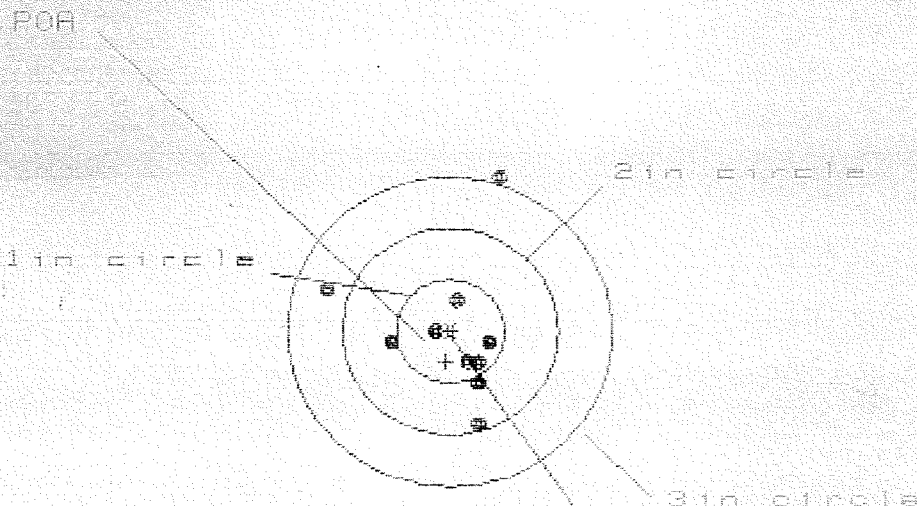
CENTROID #

PATTERN #	4	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.891	.794	.800
MINIMUM X	-.957	-1.054	-1.048
MAXIMUM Y	.713	.599	.433
MINIMUM Y	-1.209	-1.323	-.754
CENTROID X	-.124	-.027	-.033
CENTROID Y	-.074	.040	.205
POB TO CENTROID in.	.144	.043	.208
MIN RADIUS	.159	.182	.160
MEAN RADIUS	.782	.696	.581
MAX RADIUS	1.345	1.324	1.073
HORIZONTAL SPREAD	1.848	1.848	1.848
VERTICAL SPREAD	1.922	1.922	1.187
EXTREME SPREAD	2.430	2.038	1.906
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	10		

(1 Sep 1991)

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CENTERFIRE PATTERNS # 5



OF SHOTS = 10

IN CIR

1 in = 5

2 in = 8

3 in = 9

HS = 1.582

VS = 2.377

GS = 2.384

PATTERN #	5
SHOTS (BEST OF)	10
MAXIMUM X	.488
MINIMUM X	-1.094
MAXIMUM Y	1.481
MINIMUM Y	-.896
CENTROID X	.040
CENTROID Y	.294
POA TO CENTROID in.	.297
MIN RADIUS	.165
MEAN RADIUS	.634
MAX RADIUS	1.559
HORIZONTAL SPREAD	1.582
VERTICAL SPREAD	2.377
EXTREME SPREAD	2.384
NUMBER IN ONE INCH CIRCLE =	5
NUMBER IN TWO INCH CIRCLE =	8
NUMBER IN THREE INCH CIRCLE =	9