

C6649003

MODEL 700™ M24

Model SMS™

Action

Barrel Length

Capacity

Order No. 5716

*Includes 1 in chamber.

Remington

Remington®



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

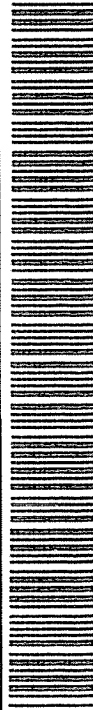
MODEL 700™ H24

SERIAL NO.
C6649003

ORDER NO.
5716

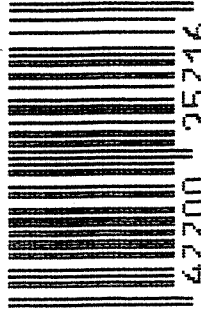
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MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.



5716 C6649003

UPC



0 47200 25716 7

GFM

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6649003

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		7/24/91	KL
600	Proof		7/24/91	KL
607	Check Headspace		7/24/91	KL
610	Dis-assemble Gun		7/24/91	KL
612	Magnaflux Barrel Action		AUG 7 1991	KR
	Magnaflux Bolt		AUG 7 1991	KR
615	Rollmark Caliber		AUG 7 1991	LS
617	Drill and Tap Sight Holes		AUG 7 1991	LB
618	Polish Barrel		AUG 13 1991	WB
620	Apply Coatings (Barrel Action)		8-27-91	KL
	Apply Coating (Bolt)			KL
625	Final Assembly A) Clean inside of Bolt Assembly		9/4/91	KL
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		9/4/91	KL
	C) Inspect Ejector Hole for Chamfer		9/4/91	KL
	D) Oil Firing Pin Ass'y		9/4/91	KL
	E) Adjust Trigger Pull to Min Setting and Stake		9/9/91	KL

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			9/9/91	JH
	G) Safety Off Force	4	4	4			9/9/91	JH
	H) Trigger Pull Test & Retainability						9-9-91	JH
	I) Firing Pin Indent	.020	.0205	.020			9/9/91	JH
	J) Assemble Stock						9/11/91	JH
	K) Assemble Swivel Studs						9/13/91	JH
	L) Attach Front and Rear Sight Assemblies						9/11/91	JH
	M) Iron Sight Alignment						9/11/91	JH
	N) Detach Front & Rear Sights & place in numbered container						9/11/91	JH
	O) Attach Scope to Rifle						9/11/91	JH
	P) Detach & Attach Scope 20 Times						9/11/91	JH
640	Gallery Target & Test						9-12-91	DH
	A) Time						9-12-91	DH
	B) Malfunctions						9-12-91	DH
	C) Pierced Primers						9-12-91	DH
	D) Optical Clarity of Scope						9-12-91	DH
645	Inspect for Live Ammo						9-12-91	DH
655	Final Inspection						9/13/91	JH
	A) Headspace						9/13/91	JH
	B) Trigger Pull	2.23	2.28	2.24	2.28	2.24	9/13/91	JH
	C) Function						9/13/91	JH
660	Pack						9-19-91	NF

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50#+ .50#

3.00#+ .75#

4.00#+1.00#

SERIAL NO 06649003

DATE 9-9-91

TESTER JY

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.52	2.62	2.45	2.23	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.48	2.51	2.42	2.28	
PULL #3	2.42	2.41	2.44	2.24	
PULL #4	2.48	2.43	2.50	2.28	
PULL #5	2.39	2.42	2.41	2.24	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.64	3.28		
PULL #2	3.22	3.47		
PULL #3	3.57	3.53		
PULL #4	3.59	3.55		
PULL #5	3.51	3.53		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.46	4.45		4.30
PULL #2	4.49	4.31		4.30
PULL #3	4.28	4.44		4.43
PULL #4	4.42	4.40		4.20
PULL #5	4.40	4.45		4.29
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6649003
12 Sep 1991

CENTROIDAL DISTANCES

0 TO 1	.129619
1 TO 2	.247386
1 TO 3	.0234094
1 TO 4	.261842
1 TO 5	.570419

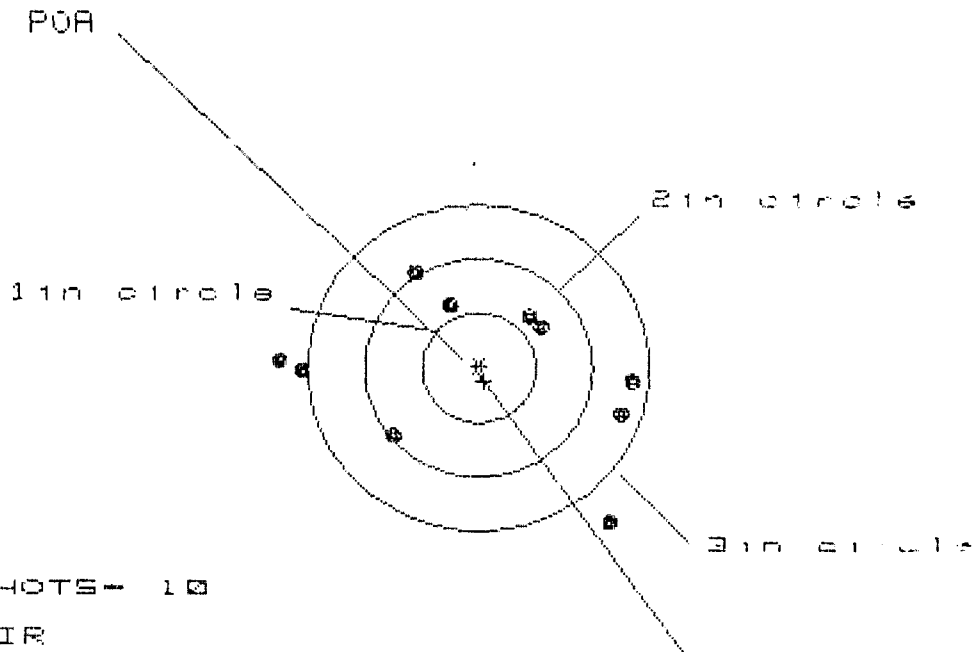
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4* <----POB

AVG X COORDINATE FOR THIS RIFLE IS: -.217
AVG Y COORDINATE FOR THIS RIFLE IS: .1033
AVG AVERAGE POI RADIUS FOR THIS RIFLE IS: .1033
POI RADIUS FOR THIS RIFLE IS: .9466

12 Sep 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6B49003

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 0

2in = 4

3in = 7

HS= 3.097

VS= 2.258

GS= 3.275

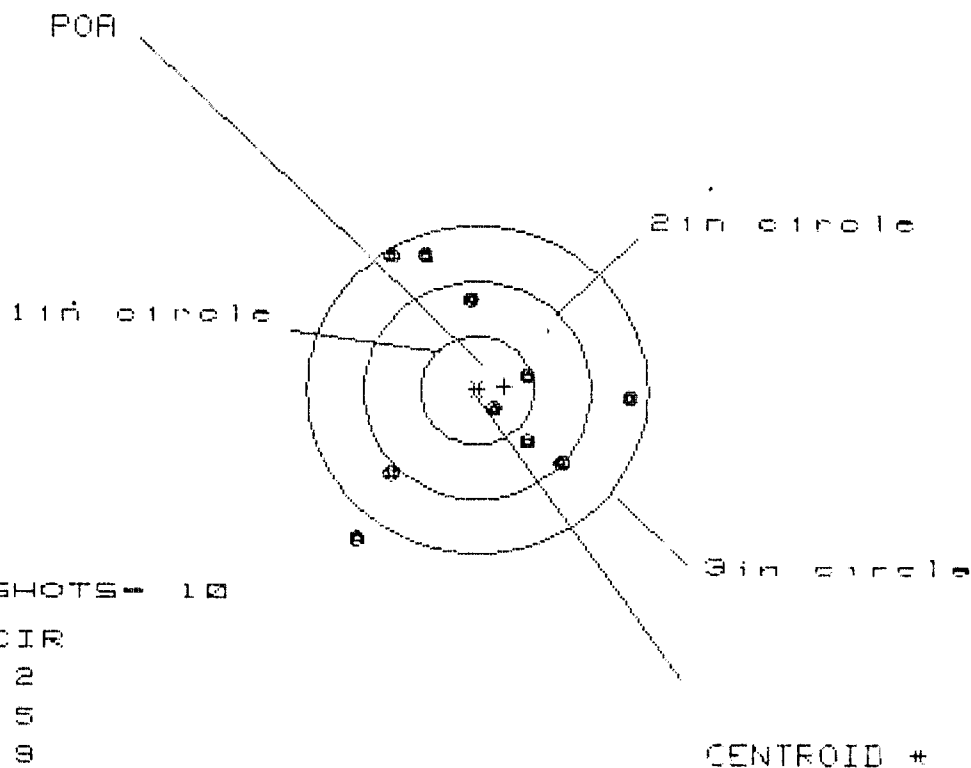
CENTROID #

PATTERN #	:	1	2	3
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.391	1.525	1.328
MINIMUM X	:	-1.706	-1.572	-1.581
MAXIMUM Y	:	.871	.717	.714
MINIMUM Y	:	-1.387	-.741	-.744
CENTROID X	:	-.049	-.182	-.015
CENTROID Y	:	.120	.274	.271
POA TO CENTROID in.	:	.129	.329	.271
HS	:	.624	.476	.468
VS	:	1.171	1.069	.901
GS	:	1.832	1.573	1.519
MAXIMUM SPREAD	:	3.097	3.097	3.400
MINIMUM SPREAD	:	2.258	1.458	1.458
AVERAGE SPREAD	:	3.275	3.105	2.910
1 INCH CIRCLE	=	0	4	7
2 INCH CIRCLE	=			
3 INCH CIRCLE	=			

12 Sep 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06649083

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 2

2in = 5

3in = 9

HS= 2.471

VS= 2.681

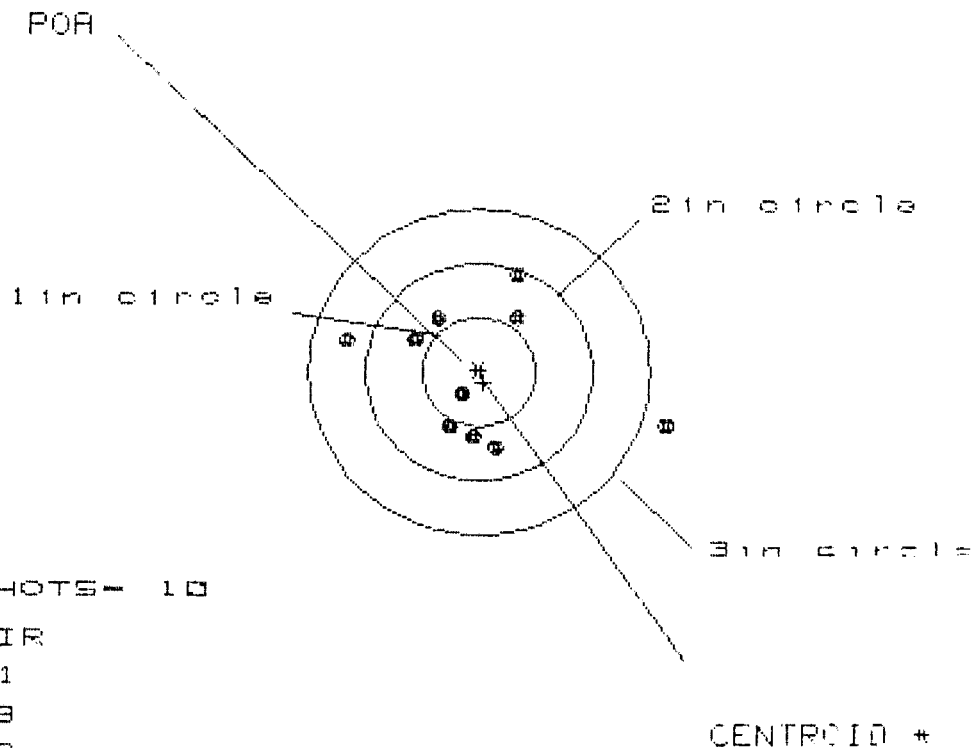
GS= 2.824

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.372	1.250	1.145
MINIMUM X	:	-1.099	-0.896	-1.001
MAXIMUM Y	:	1.268	1.110	1.207
MINIMUM Y	:	-1.413	-0.890	-0.751
CENTROID X	:	-0.241	-0.119	-0.014
CENTROID Y	:	-0.036	.122	-0.017
POA TO CENTROID in.	:	.244	.170	.022
MIN RADIUS	:	.237	.300	.202
MEAN RADIUS	:	1.016	.915	.809
MAX SPREAD	:	1.790	1.391	1.244
ROULETTE SPREAD	:	2.471	2.146	2.146
CENTROID SPREAD	:	2.681	2.000	1.755
EXTREME SPREAD	:	2.824	2.466	2.255
1 INCH IN ONE INCH CIRCLE	=		2	
2 INCH IN TWO INCH CIRCLE	=		5	
3 INCH IN THREE INCH CIRCLE	=		9	

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FILE:/PATTERNING/CENTERFIRE_PATT/C6849003

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 1

2in = 8

3in = 9

HS= 2.802

VS= 1.641

GS= 2.912

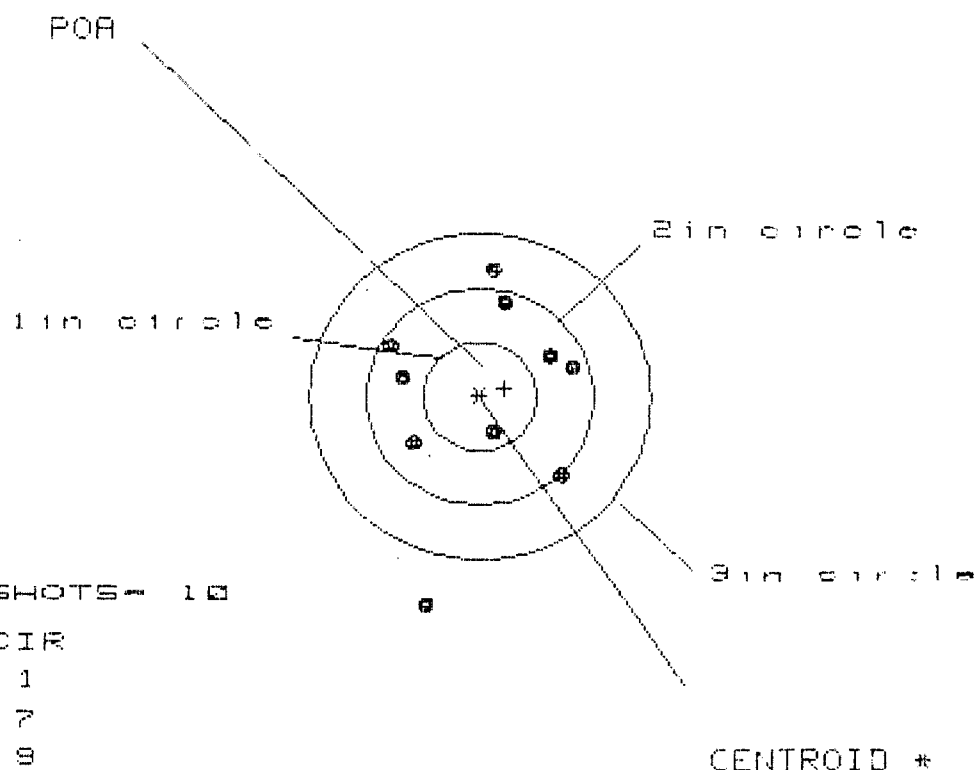
PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.670	.559	.441
MINIMUM X	:	-1.132	-.946	-.500
MAXIMUM Y	:	.920	.868	.901
MINIMUM Y	:	-.721	-.773	-.740
CENTROID X	:	-.041	-.227	-.109
CENTROID Y	:	.098	.150	.117
POA TO CENTROID in.	:	.106	.272	.159
MIN RADIUS	:	.277	.281	.262
MEAN RADIUS	:	.791	.662	.617
MAX RADIUS	:	1.736	1.011	.906
HORIZONTAL SPREAD	:	2.802	1.505	.941
VERTICAL SPREAD	:	1.641	1.641	1.741
EXTREME SPREAD	:	2.912	1.655	1.655
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		9	

12 Sep 1991

FILE: PATTERNING/CENTERFIRE_PATT/C6649003

CENTERFIRE PATTERNS

4



OF SHOTS - 10

IN CIR

1in = 1

2in = 7

3in = 9

HS = 1.655

VS = 3.061

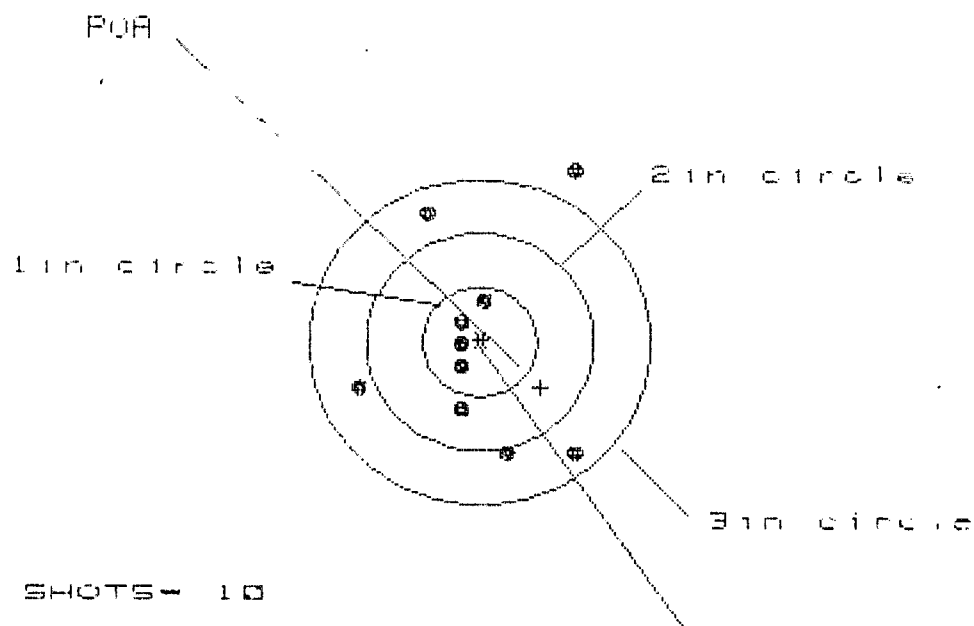
GS = 3.111

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.857	.804	.807
MINIMUM X	:	-.798	-.851	-.848
MAXIMUM Y	:	1.145	.932	.767
MINIMUM Y	:	-1.916	-.909	-.793
CENTROID X	:	-.218	-.165	-.169
CENTROID Y	:	-.080	.133	.017
POA TO CENTROID in.	:	.232	.212	.169
MIN RADIUS	:	.329	.531	.416
MEAN RADIUS	:	.936	.802	.778
MAD RADIUS	:	1.975	1.141	1.051
HORIZONTAL SPREAD	:	1.655	1.655	1.655
VERTICAL SPREAD	:	3.061	1.841	1.560
EXTREME SPREAD	:	3.111	1.957	1.936
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

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CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1 in = 4

2 in = 5

3 in = 9

HS= 1.888

VS= 2.586

GS= 2.693

CENTROID +

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.884	.981	.452
MINIMUM X	:	-1.014	-.917	-1.034
MAXIMUM Y	:	1.543	1.336	1.219
MINIMUM Y	:	-1.043	-.871	-.916
CENTROID X	:	-.536	-.633	-.756
CENTROID Y	:	.417	.245	.352
POA TO CENTROID IN.	:	.679	.679	.834
MIN RADII	:	.151	.112	.036
MEAN RADII	:	.819	.688	.596
MAJ RADII	:	1.775	1.386	1.154
HORIZONTAL SPREAD	:	1.898	1.898	1.24
VERTICAL SPREAD	:	2.586	2.207	1.917
EXTREME SPREAD	:	2.693	2.575	2.117
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	