

C6649074

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



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

MODEL 700™ H24

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.

SERIAL NO.
C6649074

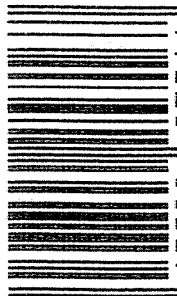
ORDER NO.
5716

20



5716 C6649074

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6649074

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	7 2 9 1	7 2 9 1	RW
600	Proof	7 2 9 1	7 2 9 1	RW
607	Check Headspace	7 2 9 1	7 2 9 1	RW
610	Dis-assemble Gun	7 2 9 1	7 2 9 1	RW
612	Magnaflux Barrel Action	JUL 2 2 1991	JUL 2 2 1991	GS
	Magnaflux Bolt	JUL 2 2 1991	JUL 2 2 1991	GS
615	Rollmark Caliber	JUL 2 2 1991	JUL 2 2 1991	GS
617	Drill and Tap Sight Holes	JUL 2 2 1991	JUL 2 2 1991	LB
618	Polish Barrel		7/22/91	WB
620	Apply Coatings (Barrel Action)		8/9/91	LB
	Apply Coating (Bolt)		8/9/91	LB
625	Final Assembly A) Clean inside of Bolt Assembly		8/9/91	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/9/91	RW
	C) Inspect Ejector Hole for Chamfer		8/9/91	RW
	D) Oil Firing Pin Ass'y		8/9/91	RW
	E) Adjust Trigger Pull to Min Setting and Stake		8-10-91	PL

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			8-12-91	DH
	G) Safety Off Force	3	3	3			8-12-91	DH
	H) Trigger Pull Test & Retainability						8-10-91	JH
	I) Firing Pin Indent	.020	.021	.021			8-12-91	DH
	J) Assemble Stock						8/12/91	RW
	K) Assemble Swivel Studs						8-13-91	DH
	L) Attach Front and Rear Sight Assemblies						8/12/91	RW
	M) Iron Sight Alignment						8/12/91	RW
	N) Detach Front & Rear Sights & place in numbered container						8/12/91	RW
	O) Attach Scope to Rifle						8/12/91	RW
	P) Detach & Attach Scope 20 Times						8/12/91	RW
640	Gallery Target & Test						8-12-91	N
	A) Time						"	N
	B) Malfunctions						"	N
	C) Pierced Primers						"	N
	D) Optical Clarity of Scope						"	N
645	Inspect for Live Ammo						8-12-91	N
655	Final Inspection							
	A) Headspace						8-13-91	DH
	B) Trigger Pull	2.65	2.45	2.38	2.20	2.40	8-13-91	JH
	C) Function						8-13-91	DH
660	Pack						9-17-91	DH

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS
2.50# + 50#
3.00# + 75#
4.00# + 100#

SERIAL NO. C6649074DATE 8-10-91TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.25	2.36	2.50	2.65	MIN. SETTING,
PULL #2	2.34	2.40	2.40	2.45	NO AVG. OF 5
PULL #3	2.35	2.40	2.38	2.38	READINGS ACCEPT-
PULL #4	2.35	2.49	2.42	2.20	ABLE LESS THAN 2#
PULL #5	2.36	2.43	2.42	2.40	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES			COMMENTS
PULL #1	3.49	3.55			
PULL #2	3.54	3.52			
PULL #3	3.56	3.60			
PULL #4	3.54	3.63			
PULL #5	3.56	3.62			
TOTAL					
AVG.					

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.23	4.35		4.37
PULL #2	4.26	4.36		4.51
PULL #3	4.26	4.34		4.50
PULL #4	4.19	4.38		4.48
PULL #5	4.35	4.47		4.50
TOTAL				
AVG.				

DISTANCE CALCULATIONS

RIFLE # C6649074

1991

POIDAL DISTANCES

0 TO	1	.332002
1 TO	2	.449782
1 TO	3	.325208
1 TO	4	.318215
1 TO	5	.674906

S₁² <----POA

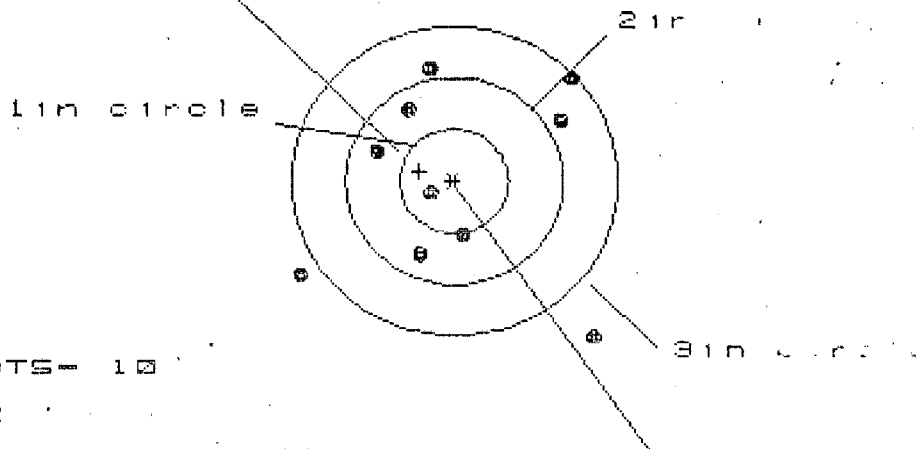
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .123
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1554
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS:

THE RMR FOR THIS RIFLE IS: .9922

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CENTERFIRE PATTERNS

POH



OF SHOTS- 10

IN CIR

1in = 1

2in = 5

3in = 8

HS= 2.685

VS= 2.597

GS= 3.174

CENTROID *

PATTERN #

114

SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.242	1.200	1.037
MINIMUM X	-1.443	-1.305	-.769
MAXIMUM Y	1.126	.963	.826
MINIMUM Y	-1.471	-1.090	-.997
CENTROID X	.319	.181	.344
CENTROID Y	-.092	.071	.208
POA TO CENTROID in.	.332	.195	.402
MIN RADIUS	.250	.313	.499
MEAN RADIUS	1.060	.944	.861
MAX RADIUS	1.925	1.701	1.264
HORIZONTAL SPREAD	2.685	2.505	1.806
VERTICAL SPREAD	2.597	2.053	1.023
EXTREME SPREAD	3.174	3.174	2.178
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	8		

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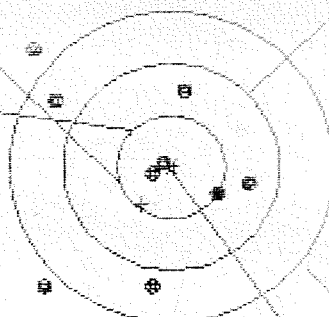
CENTERFIRE PATTERNS # 2

POA

1in circle

2in circle

3in circle



OF SHOTS- 10

IN CIR

1in = 2

2in = 5

3in = 7

HS= 3.984

VS= 2.311

GS= 4.116

CENTROID #

PATTERN #

2

SHOTS (BEST OF)

10

9

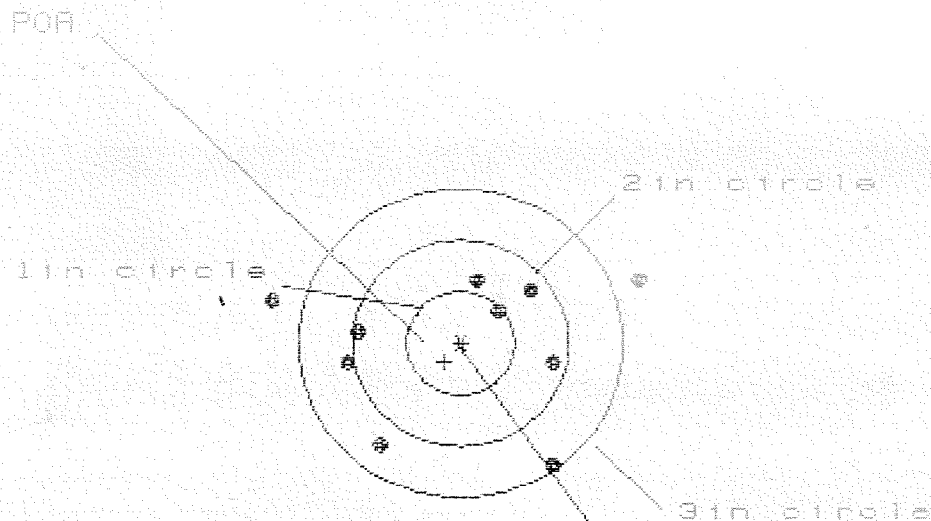
8

MAXIMUM X	2.741	.978	.861
MINIMUM X	-1.243	-.939	-.949
MAXIMUM Y	1.146	1.170	.867
MINIMUM Y	-1.165	-1.141	-.994
CENTROID X	.279	-.025	.092
CENTROID Y	.356	.332	.185
POA TO CENTROID in.	.452	.333	.207
MIN RADIUS	.111	.100	.147
MEAN RADIUS	1.068	.881	.787
MAX RADIUS	2.750	1.500	1.374
HORIZONTAL SPREAD	3.984	1.917	1.810
VERTICAL SPREAD	2.311	2.311	1.851
EXTREME SPREAD	4.116	2.515	2.228
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		7	

12 Aug 1991

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CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 1

2in = 5

3in = 8

HS= 3.443

VS= 1.793

GS= 3.446

CENTROID *

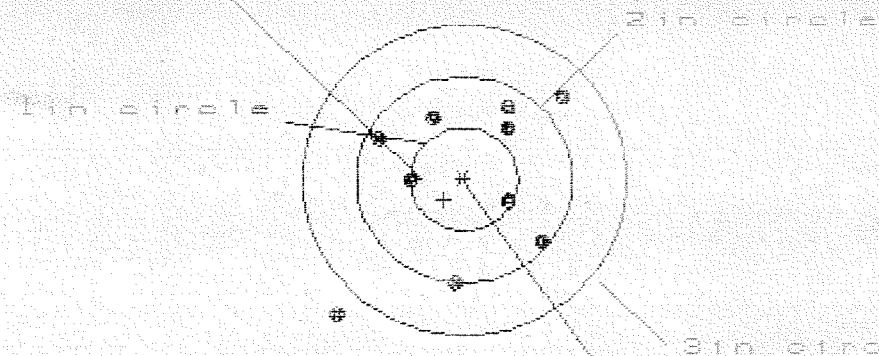
PATTERN #	3		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.681	1.485	.884
MINIMUM X	-1.762	-1.280	-1.095
MAXIMUM Y	.656	.706	.786
MINIMUM Y	-1.137	-1.087	-1.007
CENTROID X	.147	.343	.158
CENTROID Y	.184	.134	.054
POA TO CENTROID in.	.236	.369	.167
MIN RADIUS	.420	.351	.510
MEAN RADIUS	1.126	1.029	.967
MAX RADIUS	1.819	1.618	1.340
HORIZONTAL SPREAD	3.443	2.765	1.979
VERTICAL SPREAD	1.793	1.793	1.793
EXTREME SPREAD	3.446	2.894	2.255
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		8	

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CENTERFIRE PATTERNS # 4

POA



OF SHOTS= 10

IN CIR

1in = 2

2in = 8

3in = 9

HS= 2.161

VS= 2.064

CS= 2.988

CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.929	.792	.681
MINIMUM X	:	-1.232	-.903	-.804
MAXIMUM Y	:	.753	.607	.635
MINIMUM Y	:	-1.311	-1.107	-1.031
CENTROID X	:	.188	.325	.226
CENTROID Y	:	.198	.344	.268
POA TO CENTROID in.	:	.273	.473	.351
MIN RADIUS	:	.454	.427	.453
MEAN RADIUS	:	.893	.764	.735
MAX RADIUS	:	1.799	1.125	1.036
HORIZONTAL SPREAD	:	2.161	1.695	1.485
VERTICAL SPREAD	:	2.064	1.714	1.666
EXTREME SPREAD	:	2.988	1.981	1.794
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		9	

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CENTERFIRE PATTERNS # 5

POA

1in circle

2in circle

3in circle

OF SHOTS= 10

IN CIR

1in = 2

2in = 6

3in = 9

HS= 2.523

VS= 1.929

GS= 2.797

CENTROID +

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.140	.987	.803
MINIMUM X	:	-1.382	-1.467	-.869
MAXIMUM Y	:	1.076	.566	.535
MINIMUM Y	:	-.853	-.733	-.704
CENTROID X	:	-.318	-.164	.019
CENTROID Y	:	.131	.011	-.018
POA TO CENTROID in.	:	.343	.164	.026
MIN RADIUS	:	.144	.214	.262
MEAN RADIUS	:	.814	.668	.538
MAX RADIUS	:	1.752	1.485	1.053
HORIZONTAL SPREAD	:	2.523	2.454	1.673
VERTICAL SPREAD	:	1.929	1.299	1.299
EXTREME SPREAD	:	2.797	2.466	1.770
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	