

C6649278

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5715**

*Includes 1 in chamber.



Remington

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

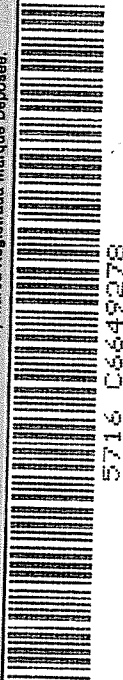
VERY IMPORTANT:
Instruction Book
enclosed to assure
safe use of this
firearm.

MODEL 700™ H24

SERIAL NO.
C6649278

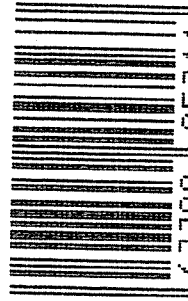
ORDER NO.
5716

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



5716 C6649278

LIPC



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CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6649278

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	7 2 91		Rw
600	Proof	7 2 91		Rw
607	Check Headspace	7 2 91		Rw
610	Dis-assemble Gun	7 2 91		Rw
612	Magnaflux Barrel Action		JUL 22 1991	GS
	Magnaflux Bolt		JUL 22 1991	GS
615	Rollmark Caliber		JUL 22 1991	GS
617	Drill and Tap Sight Holes		JUL 22 1991	FB
618	Polish Barrel		7/22/91	WB
620	Apply Coatings (Barrel Action)		7/22/91	TH
	Apply Coating (Bolt)		7/22/91	TH
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		8/15/91	GU

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	7	7			8-15-91	D/H
	G) Safety Off Force	3	3	2 1/2			8-15-91	D/H
	H) Trigger Pull Test & Retainability						8-15-91	JH
	I) Firing Pin Indent	.020	.020	.020			8-15-91	D/H
	J) Assemble Stock						8/16/91	RW
	K) Assemble Swivel Studs						8-17-91	D/H
	L) Attach Front and Rear Sight Assemblies						8/16/91	RW
	M) Iron Sight Alignment						8/16/91	RW
	N) Detach Front & Rear Sights & place in numbered container						8/16/91	RW
	O) Attach Scope to Rifle						8/16/91	RW
	P) Detach & Attach Scope 20 Times						8/16/91	RW
640	Gallery Target & Test						8-16-91	AC
	A) Time						8-16-91	AC
	B) Malfunctions						8-16-91	AC
	C) Pierced Primers						8-16-91	AC
	D) Optical Clarity of Scope						8-16-91	AC
645	Inspect for Live Ammo						8-16-91	AC
655	Final Inspection							
	A) Headspace						8-17-91	D/H
	B) Trigger Pull	264	249	249	247	243	8-17-91	D/H
	C) Function						8-17-91	D/H
660	Pack						8-17-91	D/H

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C-6649278

DATE 8-15-91

TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.49	2.46	2.43	2.64	MIN. SETTING,
PULL #2	2.18	2.47	2.44	2.49	NO AVG. OF 5
PULL #3	2.21	2.44	2.48	2.49	READINGS ACCEPT-
PULL #4	2.20	2.44	2.46	2.47	ABLE LESS THAN 2#
PULL #5	2.52	2.48	2.40	2.43	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.27	3.34		
PULL #2	3.25	3.27		
PULL #3	3.25	3.42		
PULL #4	3.32	3.25		
PULL #5	3.29	3.33		
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	4.51		4.39
PULL #2	4.32	4.38		4.21
PULL #3	4.41	4.43		4.42
PULL #4	4.51	4.51		4.39
PULL #5	4.48	4.35		4.24
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6649278
22 Aug 1991

CENTROIDAL DISTANCES

0 TO	1	.318198
1 TO	2	.299475
1 TO	3	.301617
1 TO	4	.186604
1 TO	5	.566199

 <----POA

AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0858
AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0502
AVERAGE POI RADIUS FOR THIS RIFLE IS: .0994066
THIS RIFLE IS: .95

22 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6649278

CENTERFIRE PATTERNS

1

POA

1 in circle

2 in circle

3 in circle

OF SHOTS- 10

IN CIR

1 in = 1

2 in = 4

3 in = 9

HS= 2.634

VS= 2.736

GS= 2.786

CENTROID *

PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.576	.704	.761
MINIMUM X	:	-1.058	-.883	-.826
MAXIMUM Y	:	1.289	1.350	1.176
MINIMUM Y	:	-1.446	-1.386	-1.283
CENTROID X	:	.045	-.130	-.187
CENTROID Y	:	.315	.254	.428
POA TO CENTROID in.	:	.318	.286	.467
1 in RADIUS	:	.335	.413	.409
2 in RADIUS	:	1.053	.983	.907
3 in RADIUS	:	1.666	1.460	1.341
HORIZONTAL SPREAD	:	2.634	1.587	1.587
VERTICAL SPREAD	:	2.736	2.736	2.459
EXTREME SPREAD	:	2.786	2.754	2.529
SHOTS IN ONE INCH CIRCLE	=		1	
SHOTS IN TWO INCH CIRCLE	=		4	
SHOTS IN THREE INCH CIRCLE	=		9	

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CENTERFIRE PATTERNS # 2

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS - 10

IN CIR

1 in = 1

2 in = 8

3 in = 9

HS = 2.518

VS = 2.506

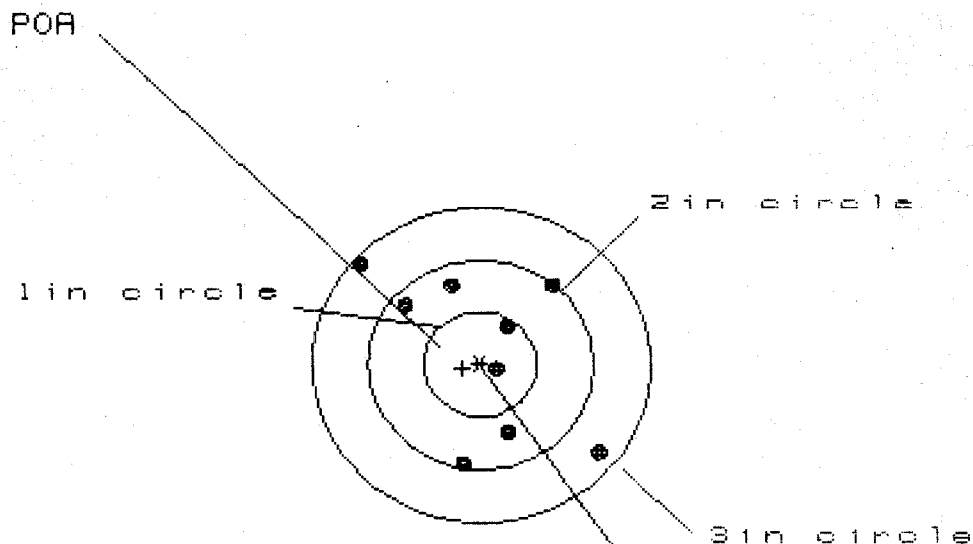
GS = 3.372

PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.839	.575	.548
MINIMUM X	:	-.679	-.475	-.502
MAXIMUM Y	:	1.382	1.257	.872
MINIMUM Y	:	-1.124	-1.085	-.928
CENTROID X	:	.102	-.102	-.075
CENTROID Y	:	.021	.146	-.011
POA TO CENTROID in.	:	.104	.178	.076
MIN RADIUS	:	.209	.115	.225
MEAN RADIUS	:	.970	.798	.742
MAX RADIUS	:	2.155	1.275	1.028
HORIZONTAL SPREAD	:	2.518	1.050	1.050
VERTICAL SPREAD	:	2.506	2.342	1.800
EXTREME SPREAD	:	3.372	2.439	1.909
NUMBER IN ONE INCH CIRCLE =	:	1		
NUMBER IN TWO INCH CIRCLE =	:	8		
NUMBER IN THREE INCH CIRCLE =	:	9		

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CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 8

3 in = 10

HS= 2.119

VS= 1.896

GS= 2.741

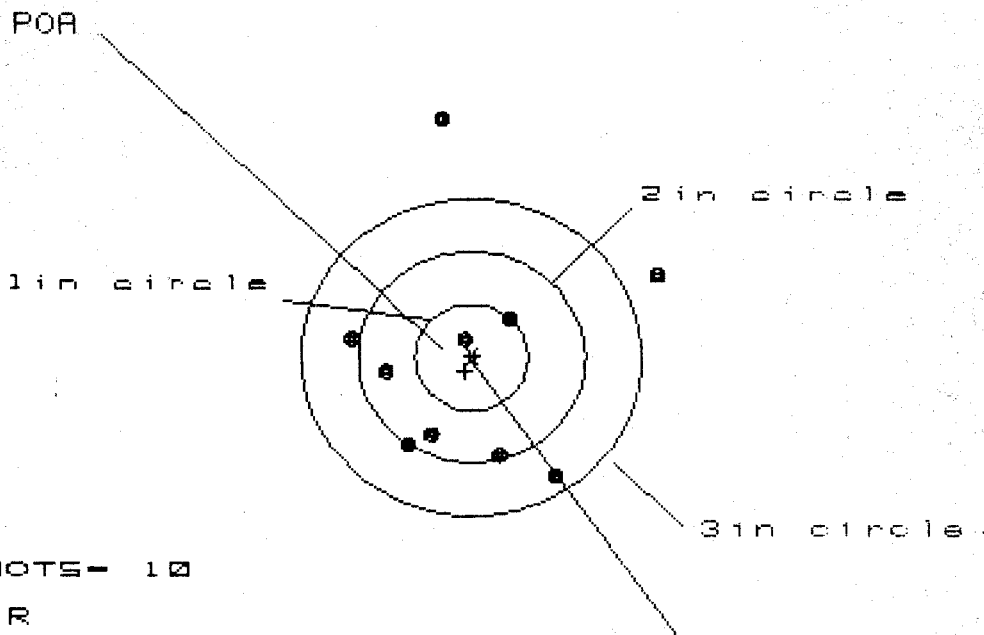
CENTROID *

PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.051	.932	.609
MINIMUM X	:	-1.068	-.776	-.660
MAXIMUM Y	:	.925	.838	.749
MINIMUM Y	:	-.971	-.868	-.957
CENTROID X	:	.162	.281	.165
CENTROID Y	:	.037	-.066	.023
POA TO CENTROID in.	:	.166	.289	.166
MIN RADIUS	:	.102	.114	.102
MEAN RADIUS	:	.844	.773	.712
MAX RADIUS	:	1.413	1.172	.973
HORIZONTAL SPREAD	:	2.119	1.708	1.269
VERTICAL SPREAD	:	1.896	1.706	1.706
EXTREME SPREAD	:	2.741	2.206	1.861
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		10	

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CENTERFIRE PATTERNS # 4



OF SHOTS - 10

IN CIR

1 in = 2

2 in = 4

3 in = 8

HS = 2.719

VS = 3.444

GS = 3.575

PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.646	1.622	.926
MINIMUM X	-1.073	-1.097	-.894
MAXIMUM Y	2.296	1.072	.713
MINIMUM Y	-1.148	-.893	-.759
CENTROID X	.060	.084	-.119
CENTROID Y	.129	-.126	-.260
POA TO CENTROID in.	.142	.152	.286
MIN RADIUS	.131	.385	.346
MEAN RADIUS	1.071	.915	.743
MAX RADIUS	2.306	1.945	1.197
HORIZONTAL SPREAD	2.719	2.719	1.820
VERTICAL SPREAD	3.444	1.965	1.472
EXTREME SPREAD	3.575	2.798	2.240
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	8		

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CENTERFIRE PATTERNS # 5

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS- 10

IN CIR

1in = 3

2in = 7

3in = 10

HS= 1.919

VS= 2.394

GS= 2.546

PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.658	.659	.502
MINIMUM X	:	-1.261	-1.260	-.916
MAXIMUM Y	:	.917	.753	.823
MINIMUM Y	:	-1.477	-.744	-.674
CENTROID X	:	.060	.059	.216
CENTROID Y	:	-.251	-.087	-.157
POA TO CENTROID in.	:	.258	.105	.267
MIN RADIUS	:	.344	.197	.237
MEAN RADIUS	:	.812	.711	.585
MAX RADIUS	:	1.477	1.380	1.037
HORIZONTAL SPREAD	:	1.919	1.919	1.418
VERTICAL SPREAD	:	2.394	1.497	1.497
EXTREME SPREAD	:	2.546	2.322	1.877
NUMBER IN ONE INCH CIRCLE =	:	3		
NUMBER IN TWO INCH CIRCLE =	:	7		
NUMBER IN THREE INCH CIRCLE =	:	10		