

C6225172

MODEL 700™ M24

Model **SMS**™

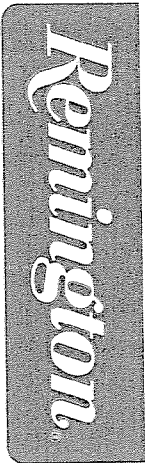
Action

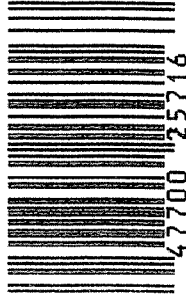
Barrel Length

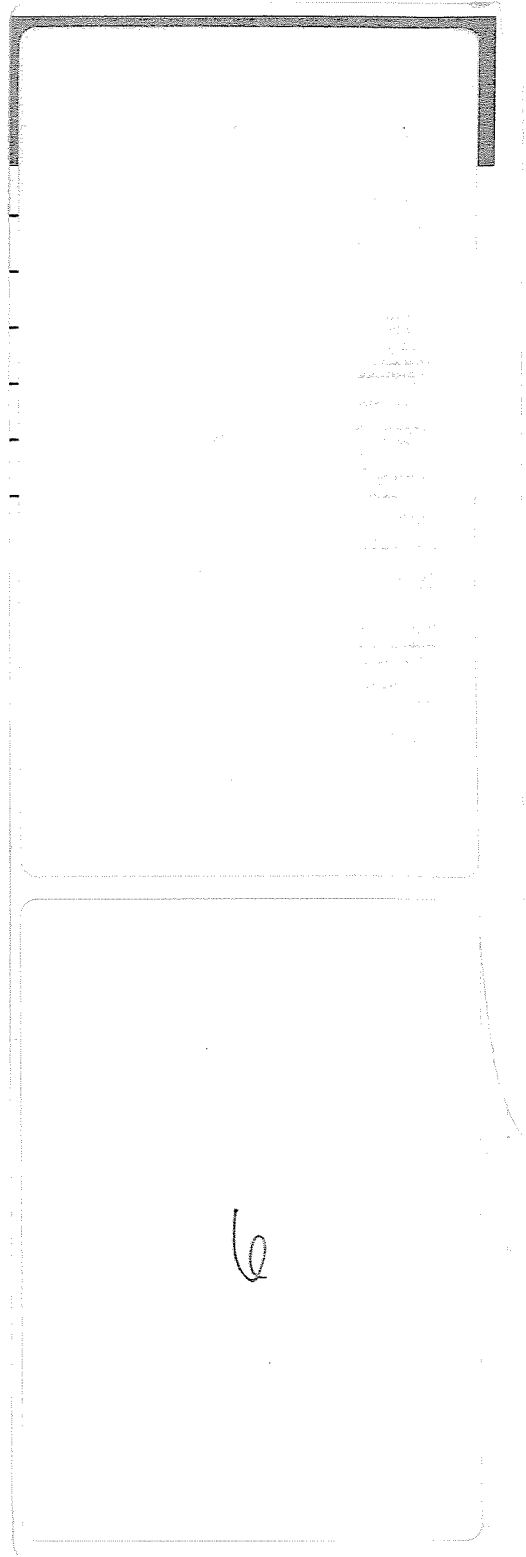
Capacity

Order No. **5715**

*Includes 1 in chamber.



Remington REG. U.S. PAT. & TM. OFF.		VERY IMPORTANT: Instruction Book enclosed to assure safe use of this firearm.	
MODEL 700TM M24		SERIAL NO. C6225172	
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.		ORDER NO. 5716	
 5716 C6225172		 0 47700 25716 7	



CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6225172

OP. #	OP. NAME	READINGS	DATE	INITIAL
575 & 580	Assemble Action and Stock	9 12	88	FB
600	Proof	9 19	88	RW
607	Check Headspace	9 19	88	RW
610	Dis-assemble Gun	9 19	88	RW
612	Magnaflux Barrel Action		9 ²² 88	PJE.
	Magnaflux Bolt		9 ²² 88	PJE.
615	Rollmark Caliber		9/26/88	G-S
617	Drill and Tap Sight Holes		10/1/88	FB
618	Polish Barrel		10/1/88	BT
620	Apply Coatings (Barrel Action)		10/31/88	TJA
	Apply Coating (Bolt)		10/31/88	TJA
625	Final Assembly A) Clean inside of Bolt Assembly		1/12/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		1/12/89	RW
	C) Inspect Ejector Hole for Chamfer		1/12/89	RW
	D) Oil Firing Pin Ass'y		1/12/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		1/12/89	RW

BARBER - M24 0009919

op. #	OP. NAME	READINGS					DATE	INITIAL
625 cont.	F) Safety On Force	6	6	6			11 Jan 89	928
	G) Safety Off Force	4	4	4			11 Jan 89	928
	H) Trigger Pull Test & Retainability						11 Jan 89	928
	I) Firing Pin Indent	.021	.0215	.0215			11 Jan 89	928
	J) Assemble Stock						1/12/89	RW
	K) Assemble Swivel Studs						3/1 Jan 89	928
	L) Attach Front and Rear Sight Assemblies						1/12/89	RW
	M) Iron Sight Alignment						1/12/89	RW
	N) Detach Front & Rear Sights & place in numbered container						1/12/89	RW
	O) Attach Scope to Rifle						13 Jan 89	928
	P) Detach & Attach Scope 20 Times						13 Jan 89	928
640	Gallery Target & Test	380	115L				1/16/89	AC
	A) Time							
	B) Malfunctions			NONE				AC
	C) Pierced Primers			NONE				AC
	D) Optical Clarity of Scope			OK			1/26/89	AC
645	Inspect for Live Ammo			NONE			1/26/89	AC
655	Final Inspection							
	A) Headspace						31 Jan 89	928
	B) Trigger Pull	2.59	2.57	2.58	2.58	2.59	31 Jan 89	928
	C) Function						31 Jan 89	928
660	Pack						22 Mar 89	928

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AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. 5172DATE 3-22-90TESTER 981

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	2.59	2.41	2.62	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.54	2.52	2.65	
PULL #3	2.44	2.39	2.45	
PULL #4	2.39	2.44	2.56	
PULL #5	2.40	2.39	2.60	
TOTAL	12.36	12.15	12.88	
AVG.	2.472	2.43	2.576	

	3.00# INITIAL	3.00# AFTER 20 CYCLES	COMMENTS
PULL #1	3.31	3.26	
PULL #2	3.21	3.21	
PULL #3	3.20	3.25	
PULL #4	3.14	3.14	
PULL #5	3.16	3.10	
TOTAL	16.02	15.96	
AVG.	3.204	3.192	

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.25	4.17		
PULL #2	4.26	4.54		
PULL #3	4.24	4.24		
PULL #4	4.17	4.26		
PULL #5	4.17	4.09		
TOTAL	21.09	21.25		
AVG.	4.218	4.25		

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06225172
26 Jan 1989

CENTROIDAL DISTANCES

0 TO	1	.293218
1 TO	2	.582403
1 TO	3	.605392
1 TO	4	.863713
1 TO	5	1.26735

1+ 2+ (---POR
3+
5

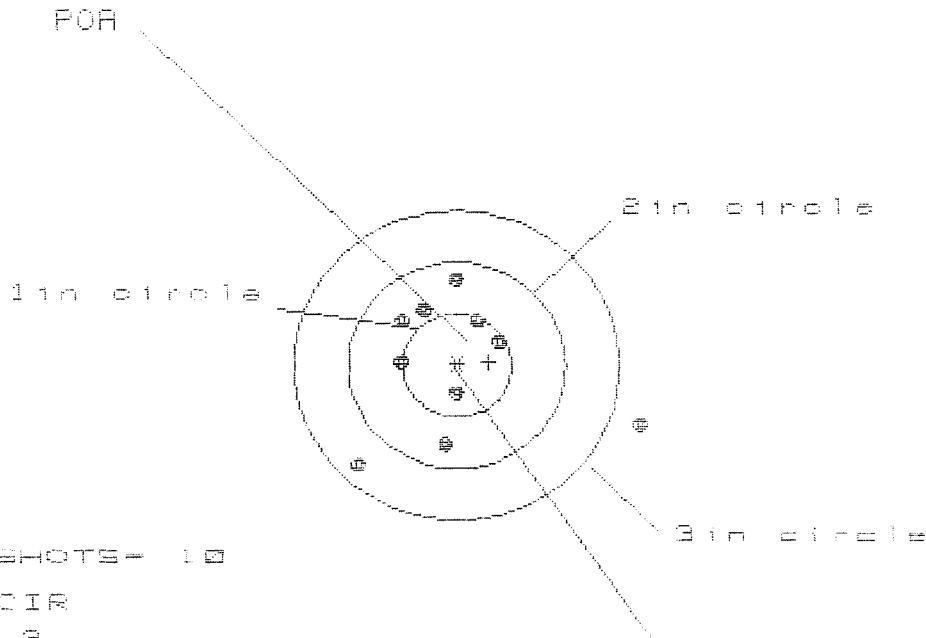
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1866
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.484
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .511871
THE AMR FOR THIS RIFLE IS: .8816

28 Jan 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08285172

CENTERFIRE PATTERNS

1



OF SHOTS= 10

IN CIR

1 in = 3

2 in = 3

3 in = 4

CENTROID *

HS= 2.581

VS= 1.769

GS= 2.613

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.659	.569	.477
MINIMUM X	-.922	-.738	-.432
MAXIMUM Y	.791	.728	.598
MINIMUM Y	-.978	-1.041	-.995
CENTROID X	-.291	-.475	-.393
CENTROID Y	-.036	.027	.157
POA TO CENTROID in.	.293	.476	.414
MIN RADIUS	.292	.295	.409
MEAN RADIUS	.782	.650	.546
MAX RADIUS	1.754	1.276	.996
HORIZONTAL SPREAD	2.581	1.307	.909
VERTICAL SPREAD	1.769	1.769	1.593
EXTREME SPREAD	2.613	2.004	1.595
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	3		
NUMBER IN THREE INCH CIRCLE =	4		

26 Jan 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225172

CENTERFIRE PATTERNS # 2

POR

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS= 10

IN CIR

1in = 3

2in = 8

3in = 10

HS= 2.0000

VS= 1.971

GS= 2.007

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.610	.453	.359
MINIMUM X	:	-1.410	-.756	-.393
MAXIMUM Y	:	.994	.971	.744
MINIMUM Y	:	-.977	-1.000	-.878
CENTROID X	:	.241	.398	.492
CENTROID Y	:	-.273	-.250	-.372
POR TO CENTROID in.	:	.364	.470	.617
MIN RADIUS	:	.185	.057	.098
MEAN RADIUS	:	.695	.563	.457
MAX RADIUS	:	1.425	1.231	.889
HORIZONTAL SPREAD	:	2.020	1.209	.752
VERTICAL SPREAD	:	1.971	1.971	1.622
EXTREME SPREAD	:	2.097	2.097	1.623
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		10	

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CENTERFIRE PATTERNS # 3

POR

1in circle

2in circle

3in circle

OF SHOTS= 10

IN CIR

1in = 5

2in = 6

3in = 9

HS= 1.766

VS= 2.526

GS= 2.638

CENTROID #

PATTERN #	3
SHOTS (BEST OF)	10
MAXIMUM X	.943
MINIMUM X	-.843
MAXIMUM Y	1.447
MINIMUM Y	-1.079
CENTROID X	-.061
CENTROID Y	-.596
POR TO CENTROID in.	.599
MIN RADIUS	.224
MEAN RADIUS	.771
MAX RADIUS	1.674
HORIZONTAL SPREAD	1.786
VERTICAL SPREAD	2.526
EXTREME SPREAD	2.638
NUMBER IN ONE INCH CIRCLE =	5
NUMBER IN TWO INCH CIRCLE =	6
NUMBER IN THREE INCH CIRCLE =	9

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FILE:/PATTERNING/CENTERFIRE_PATT/06225172

CENTERFIRE PATTERNS # 4

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS = 10

IN CIR

1 in = 1

2 in = 7

3 in = 10

H0 = 2.0002

V0 = 2.655

G0 = 2.672

PATTERN #	1	4	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.668	.733	.574
MINIMUM X	-1.334	-1.269	-1.744
MAXIMUM Y	1.280	1.127	1.150
MINIMUM Y	-1.375	-.980	-.957
CENTROID X	.445	.380	.539
CENTROID Y	-.488	-.335	-.358
POA TO CENTROID in.	.660	.507	.647
MIN RADIUS	.238	.106	.266
MEAN RADIUS	.989	.829	.776
MAX RADIUS	1.494	1.282	1.165
HORIZONTAL SPREAD	2.002	2.002	1.318
VERTICAL SPREAD	2.655	2.107	2.107
EXTREME SPREAD	2.672	2.107	2.107
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		10	

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FILE:/PATTERNING/CENTERFIRE_PATT/C8225172

CENTERFIRE PATTERNS # 5

POA

1 in circle

2 in circle

3 in circle

CENTROID #

OF SHOTS= 10

IN CIR

1 in = 0

2 in = 3

3 in = 8

HS= 2.141

VS= 3.954

GS= 4.015

PATTERN #	5		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.261	1.333	.988
MINIMUM X	-.880	-.808	-.641
MAXIMUM Y	1.311	1.018	.922
MINIMUM Y	-2.643	-1.306	-1.402
CENTROID X	.499	.427	.261
CENTROID Y	-1.027	-.734	-.638
POA TO CENTROID in.	1.142	.849	.689
MIN RADIUS	.561	.282	.311
MEAN RADIUS	1.251	1.006	.907
MAX RADIUS	2.720	1.536	1.433
HORIZONTAL SPREAD	2.141	2.141	1.629
VERTICAL SPREAD	3.954	2.324	2.324
EXTREME SPREAD	4.015	2.585	2.475
NUMBER IN ONE INCH CIRCLE =		0	
NUMBER IN TWO INCH CIRCLE =		3	
NUMBER IN THREE INCH CIRCLE =		9	