

C6649137

MODEL 700TM M24

Model SMSTM

Action

Barrel Length

Capacity

Order No. 5716

*Includes 1 in chamber.

Remington

Remington®

MODEL 700™ M24

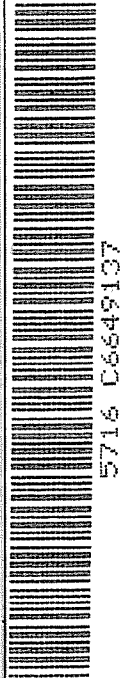
VERY IMPORTANT:
Instruction Book
enclosed to assure
safe use of this
firearm.

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

SERIAL NO.
C6649137

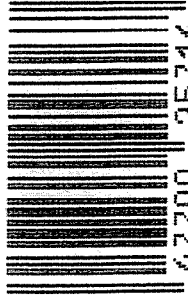
ORDER NO.
5716

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



5716 C6649137

UPC



0 47700 25716 7

GFY

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6649137

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	KP
	Magnaflux Bolt		AUG 7 1991	KP
615	Rollmark Caliber		AUG 7 1991	GL
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		9/5/91	KL
	A) Clean inside of Bolt Assembly		9/5/91	KL
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		9/5/91	KL
	C) Inspect Ejector Hole for Chamfer		9/5/91	KL
	D) Oil Firing Pin Ass'y		9/5/91	KL
	E) Adjust Trigger Pull to Min Setting and Stake		9/6/91	GL

op. #	BARBER M24 0065233	READINGS				DATE	INIT
625 cont.	F) Safety On Force	6	6	6		9/7/91	SH
	G) Safety Off Force	4	4	4		9/7/91	SH
	H) Trigger Pull Test & Retainability					9/6/91	SH
	I) Firing Pin Indent	.021	.022	.022		9/7/91	SH
	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	DH
	A) Time					9-10-91	DH
	B) Malfunctions					9-10-91	DH
	C) Pierced Primers					9-10-91	DH
	D) Optical Clarity of Scope					9-10-91	DH
645	Inspect for Live Ammo					9-10-91	DH
655	Final Inspection						
	A) Headspace					9/13/91	SH
	B) Trigger Pull	2.44	2.38	2.39	2.41	2.38	9-12-91
	C) Function					9/13/91	SH
660	Pack					9-17-91	DH

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS
2.50# + .50#
3.00# + .75#
4.00# + 1.00#

SERIAL NO. C-6649137DATE 9-6-91TESTER JP

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.52	2.60	2.53	2.44	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.60	2.59	2.50	2.38	
PULL #3	2.58	2.64	2.52	2.39	
PULL #4	2.58	2.54	2.58	2.41	
PULL #5	2.53	2.51	2.50	2.38	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.37	3.39		
PULL #2	3.37	3.55		
PULL #3	3.48	3.40		
PULL #4	3.38	3.60		
PULL #5	3.50	3.64		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.21	4.32		4.37
PULL #2	4.24	4.32		4.28
PULL #3	4.25	4.23		4.32
PULL #4	4.19	4.25		4.31
PULL #5	4.32	4.20		4.29
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
 RIFLE # 06649137
 2 Sep 1991

CENTROIDAL DISTANCES

0 TO	1	.302804
1 TO	2	.794899
1 TO	3	.681001
1 TO	4	.989245
1 TO	5	.106104

42 ³/₄ <----POB

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.2134
 THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1174
 THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS:

1.012

Sep 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06B49137

CENTERFIRE PATTERNS # 1

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS - 10

IN CIR

1in = 1

2in = 5

3in = 7

HS = 2.931

VS = 2.537

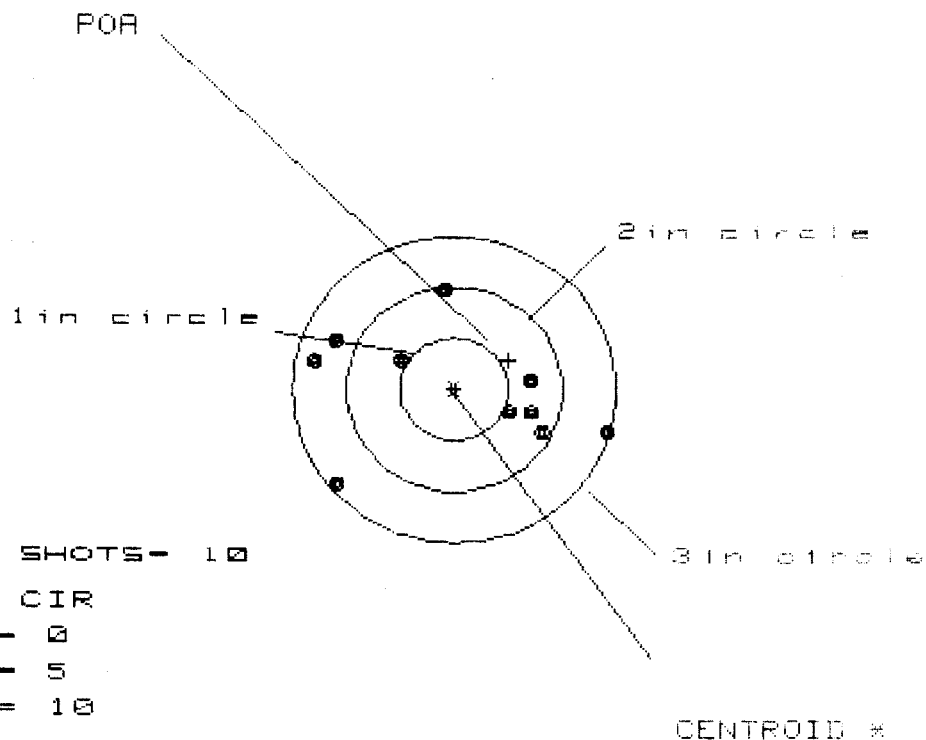
GS = 3.674

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.611	1.308	1.171
MINIMUM X	-1.320	-1.141	-1.278
MAXIMUM Y	1.303	1.195	1.176
MINIMUM Y	-1.234	-1.342	-1.199
CENTROID X	.273	.094	.131
CENTROID Y	-.131	-.023	-.101
POA TO CENTROID in.	.303	.097	.171
MIN RADIUS	.436	.331	.331
MEAN RADIUS	1.071	.955	.955
MAX RADIUS	1.882	1.762	1.762
HORIZONTAL SPREAD	2.931	2.449	2.449
VERTICAL SPREAD	2.537	2.537	2.537
DIAMETER SPREAD	3.674	2.905	2.905
NUMBER IN ONE INCH CIRCLE =	1	1	1
NUMBER IN TWO INCH CIRCLE =	5	5	5
NUMBER IN THREE INCH CIRCLE =	7	7	7

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CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 0

2 in = 5

3 in = 10

HS= 2.685

VS= 1.932

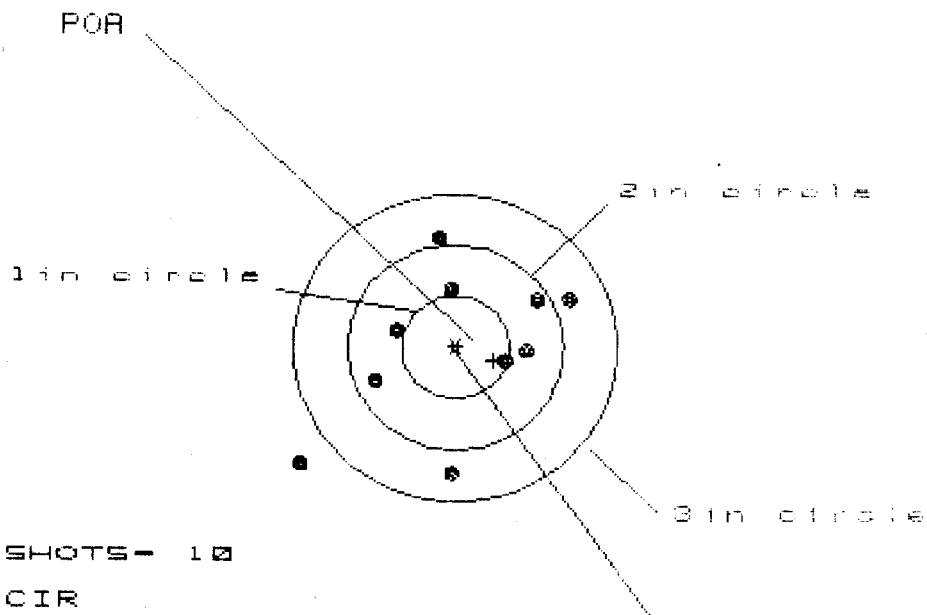
GS= 2.776

PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.367	1.243	.802
MINIMUM X	:	-1.318	-1.442	-1.286
MAXIMUM Y	:	1.022	.921	.859
MINIMUM Y	:	-.910	-.570	-.632
CENTROID X	:	-.508	-.384	-.540
CENTROID Y	:	-.279	-.178	-.116
POA TO CENTROID in.	:	.580	.424	.550
MIN RADIUS	:	.534	.469	.472
MEAN RADIUS	:	.995	.923	.819
MAX RADIUS	:	1.435	1.456	1.744
HORIZONTAL SPREAD	:	2.685	2.685	2.776
VERTICAL SPREAD	:	1.932	1.491	1.491
EXTREME SPREAD	:	2.776	2.776	2.776
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		10	

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CENTERFIRE PATTERNS # 3



OF SHOTS - 10

IN CIR

1 in = 1

2 in = 6

3 in = 9

HS = 2.434

VS = 2.309

GS = 2.897

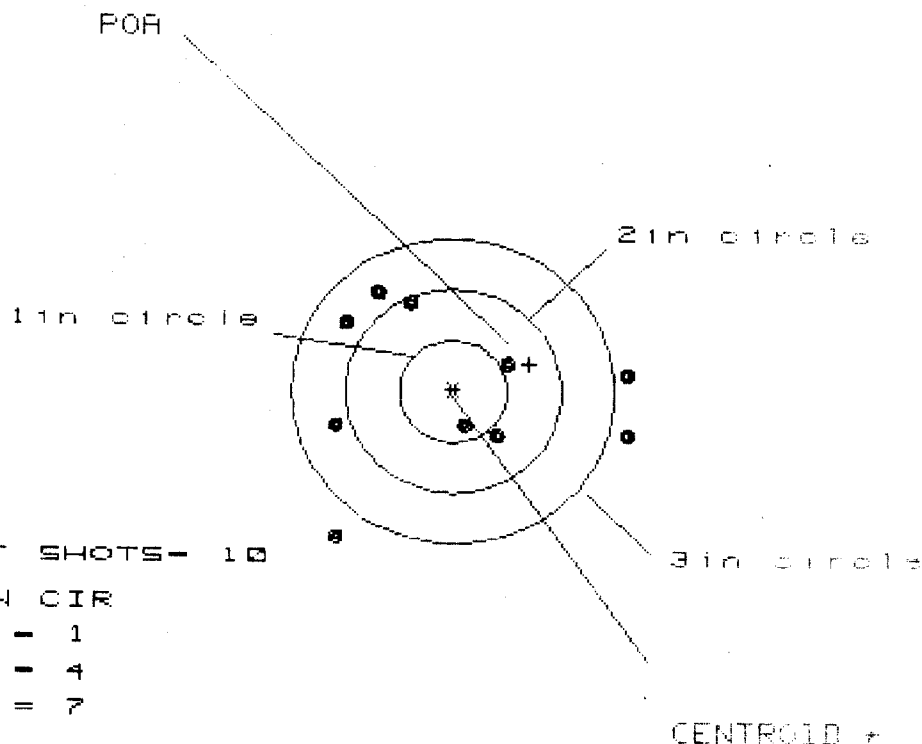
PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.040	.885	.866
MINIMUM X	-1.394	-.860	-.879
MAXIMUM Y	1.102	.980	.814
MINIMUM Y	-1.208	-1.329	-.640
CENTROID X	-.356	-.201	-.182
CENTROID Y	.130	.251	.417
POA TO CENTROID in.	.379	.322	.455
MIN RADIUS	.459	.387	.355
MEAN RADIUS	.924	.795	.710
MAX RADIUS	1.773	1.338	1.098
HORIZONTAL SPREAD	2.434	1.745	1.745
VERTICAL SPREAD	2.309	2.309	1.454
EXTREME SPREAD	2.897	2.315	1.931
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	9		

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CENTERFIRE PATTERNS

4



OF SHOTS - 10

IN CIR

1in = 1

2in = 4

3in = 7

HS = 2.742

VS = 2.380

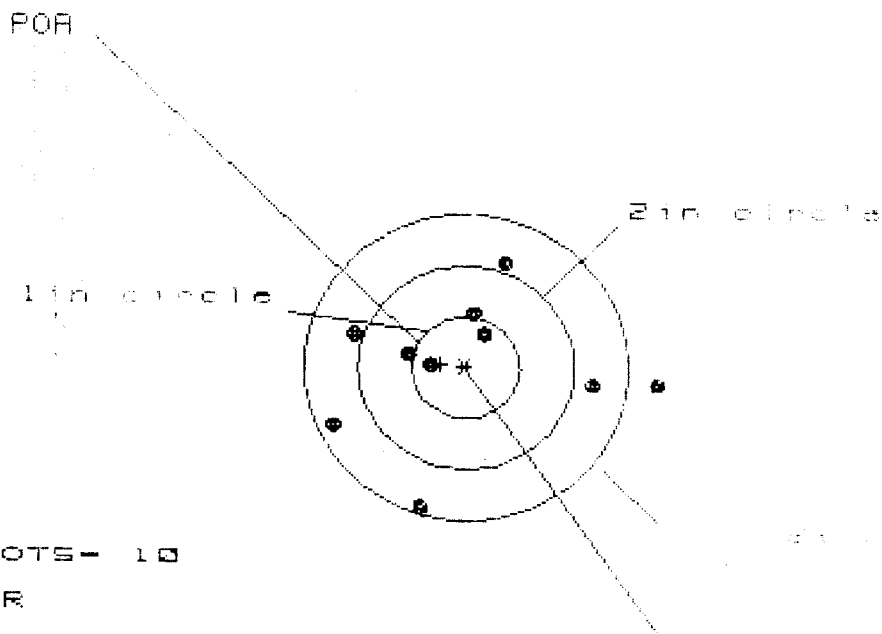
GS = 3.150

PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.650	1.529	1.645
MINIMUM X	-1.092	-1.195	-1.084
MAXIMUM Y	.969	.813	.810
MINIMUM Y	-1.411	-.612	-.615
CENTROID X	-.706	-.585	-.776
CENTROID Y	-.273	-.117	-.114
POA TO CENTROID in.	.757	.596	.734
MIN RADIUS	.304	.363	.475
MEAN RADIUS	1.099	1.013	.941
MAX RADIUS	1.784	1.575	1.754
HORIZONTAL SPREAD	2.742	2.724	2.645
VERTICAL SPREAD	2.380	1.425	1.425
EXTREME SPREAD	3.150	2.792	2.792
NUMBER IN ONE INCH CIRCLE =	1	1	1
NUMBER IN TWO INCH CIRCLE =	4	4	4
NUMBER IN THREE INCH CIRCLE =	7	7	7

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CENTERFIRE PATTERNS # 5



OF SHOTS - 10

IN CIR

1in - 2

2in - 4

3in - 9

HS = 2.922

VS = 2.352

GS = 2.957

CENTROID *

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	9
MAXIMUM X	:	1.733	1.409	1.683
MINIMUM X	:	-1.189	-.997	-1.023
MAXIMUM Y	:	.987	.969	.796
MINIMUM Y	:	-1.365	-1.383	-.884
CENTROID X	:	.230	.038	.064
CENTROID Y	:	-.034	-.016	.157
POA TO CENTROID in.	:	.233	.041	.170
MIN RADIUS	:	.331	.176	.282
MEAN RADIUS	:	.971	.847	.751
MAX RADIUS	:	1.740	1.424	1.434
HORIZONTAL SPREAD	:	2.922	2.406	2.406
VERTICAL SPREAD	:	2.352	2.352	1.680
EXTREME SPREAD	:	2.957	2.487	2.111
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		9	