

C6649222

MODEL 700TM M24

Model **SMS** TM

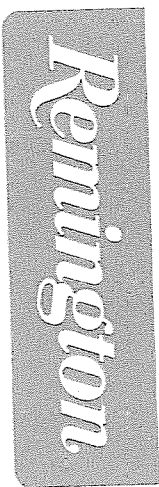
Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



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

Remington[®]

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

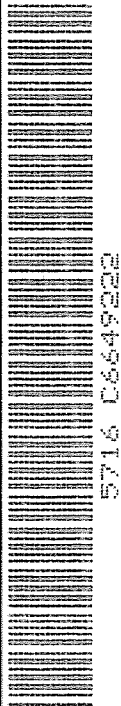
MODEL 700TM M24

SERIAL NO.
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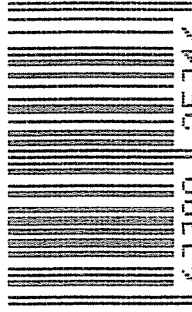
ORDER NO.
5716

20

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



UPC



0 4700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6649222

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	6 25	9 1	RW
600	Proof	6 25	9 1	RW
607	Check Headspace	6 25	9 1	RW
610	Dis-assemble Gun	6 25	9 1	RW
612	Magnaflux Barrel Action		JUL 1 1991	KR
	Magnaflux Bolt		JUL 1 1991	KR
615	Rollmark Caliber		JUL 1 1991	JS.
617	Drill and Tap Sight Holes		JUL 1 1991	LB
618	Polish Barrel		JUL 2 1991	W/B
620	Apply Coatings (Barrel Action)		8/27/91	JS
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		8/27/91	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/27/91	RW
	C) Inspect Ejector Hole for Chamfer		8/27/91	RW
	D) Oil Firing Pin Ass'y		8/27/91	RW
	E) Adjust Trigger Pull to Min Setting and Stake		8/28/91	JS

op. #	BARBER M24 0066625	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	5 $\frac{1}{4}$	5 $\frac{3}{4}$			8-28-91	DH
	G) Safety Off Force	3 $\frac{1}{4}$	3 $\frac{1}{2}$	3 $\frac{1}{4}$			8-28-91	DH
	H) Trigger Pull Test & Retainability						8/28/91	AV
	I) Firing Pin Indent	.021	.020	.020			8-28-91	DH
	J) Assemble Stock						8/29/91	RW
	K) Assemble Swivel Studs						8-31-91	DH
	L) Attach Front and Rear Sight Assemblies						8/29/91	RW
	M) Iron Sight Alignment						8/29/91	RW
	N) Detach Front & Rear Sights & place in numbered container						8/29/91	RW
	O) Attach Scope to Rifle						8/29/91	RW
	P) Detach & Attach Scope 20 Times						8/29/91	RW
640	Gallery Target & Test						8-29-91	DH
	A) Time						8-29-91	DH
	B) Malfunctions						8-29-91	DH
	C) Pierced Primers						8-29-91	DH
	D) Optical Clarity of Scope						8-29-91	DH
645	Inspect for Live Ammo						8-29-91	DH
655	Final Inspection							
	A) Headspace						8-31-91	DH
	B) Trigger Pull	2.54	2.54	2.32	2.30	2.35	8-29-91	DH
	C) Function						8-31-91	DH
660	Pack						9-18-91	RW

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C-6649222DATE 8-28-91TESTER JU.

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.48	2.36	2.48	2.54	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.38	2.30	2.36	2.54	
PULL #3	2.36	2.36	2.30	2.32	
PULL #4	2.39	2.38	2.42	2.30	
PULL #5	2.39	2.40	2.43	2.35	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.22	3.30		
PULL #2	3.42	3.32		
PULL #3	3.31	3.32		
PULL #4	3.23	3.33		
PULL #5	3.30	3.36		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.19	4.52		4.57
PULL #2	4.53	4.50		4.55
PULL #3	4.48	4.52		4.58
PULL #4	4.52	4.46		4.41
PULL #5	4.44	4.57		4.35
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06649222
29 Aug 1991

CENTROIDAL DISTANCES

0 TO	1	.0608358
1 TO	2	.0807775
1 TO	3	.237952
1 TO	4	.192354
1 TO	5	.0930054

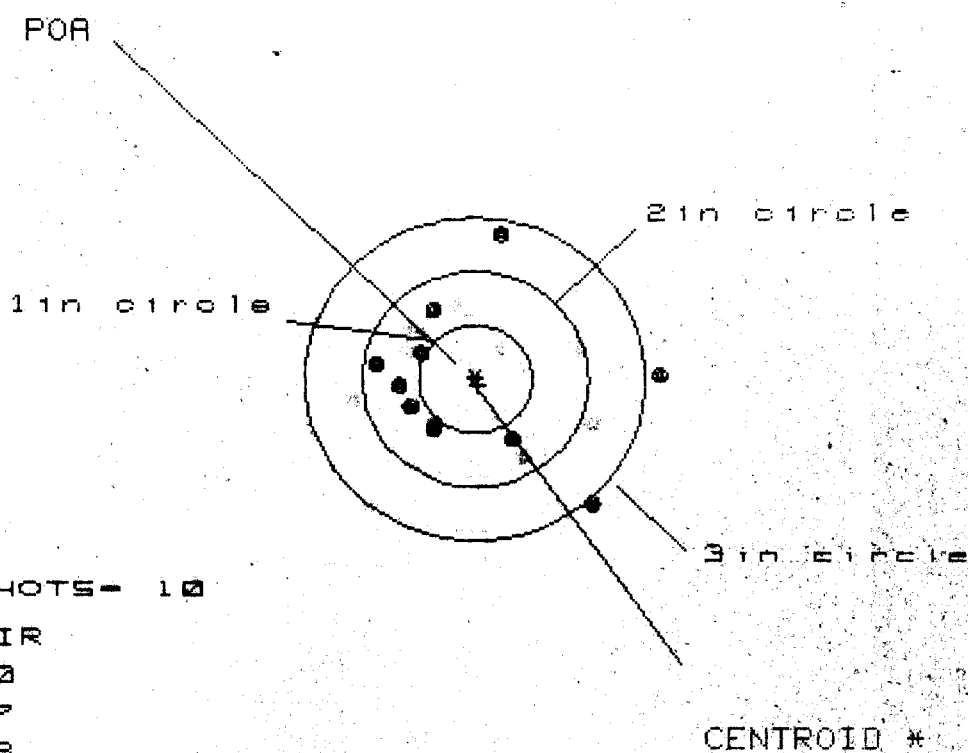
3 <----POB

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0394
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1232
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .129347
THE AMR FOR THIS RIFLE IS: .9746

28 Aug 1991

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CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 0

2in = 7

3in = 8

HS= 2.475

VS= 2.519

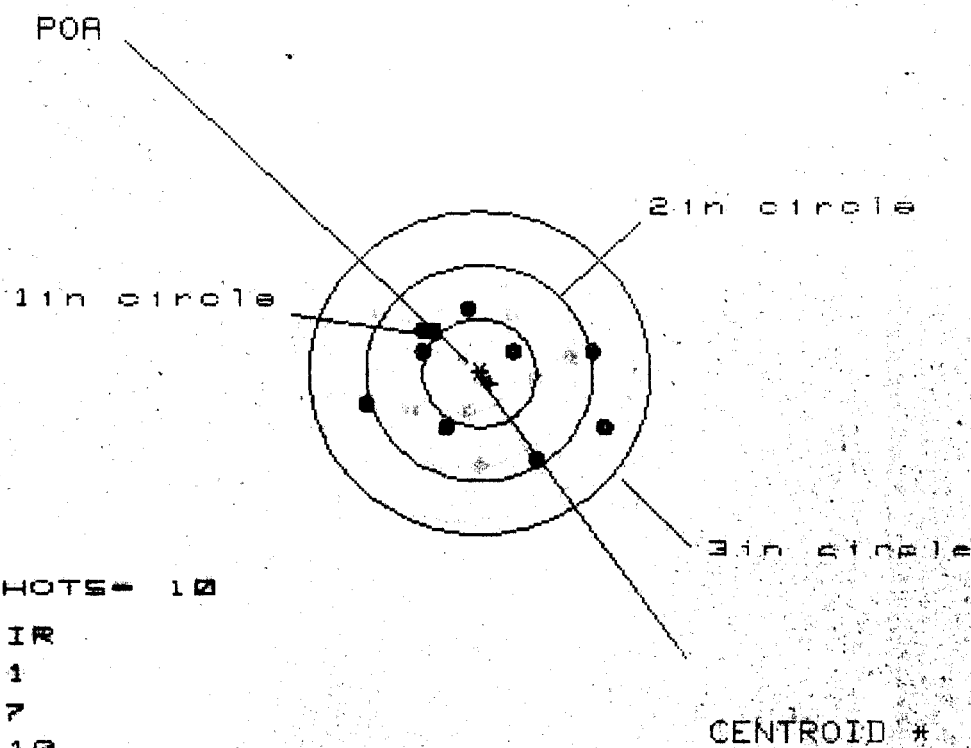
GS= 2.640

PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.647	1.239	.661
MINIMUM X	-.828	-.645	-.490
MAXIMUM Y	1.348	1.357	1.212
MINIMUM Y	-1.171	-1.162	-.673
CENTROID X	-.026	-.209	-.363
CENTROID Y	.055	.046	.192
POA TO CENTROID in.	.061	.214	.411
MIN RADIUS	.512	.378	.168
MEAN RADIUS	.919	.775	.604
MAX RADIUS	1.649	1.699	1.353
HORIZONTAL SPREAD	2.475	1.884	1.152
VERTICAL SPREAD	2.519	2.519	1.885
EXTREME SPREAD	2.640	2.640	1.934
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		8	

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CENTERFIRE PATTERNS # 2



OF SHOTS = 10

IN CIR

1in = 1

2in = 7

3in = 10

HS = 2.092

VS = 1.388

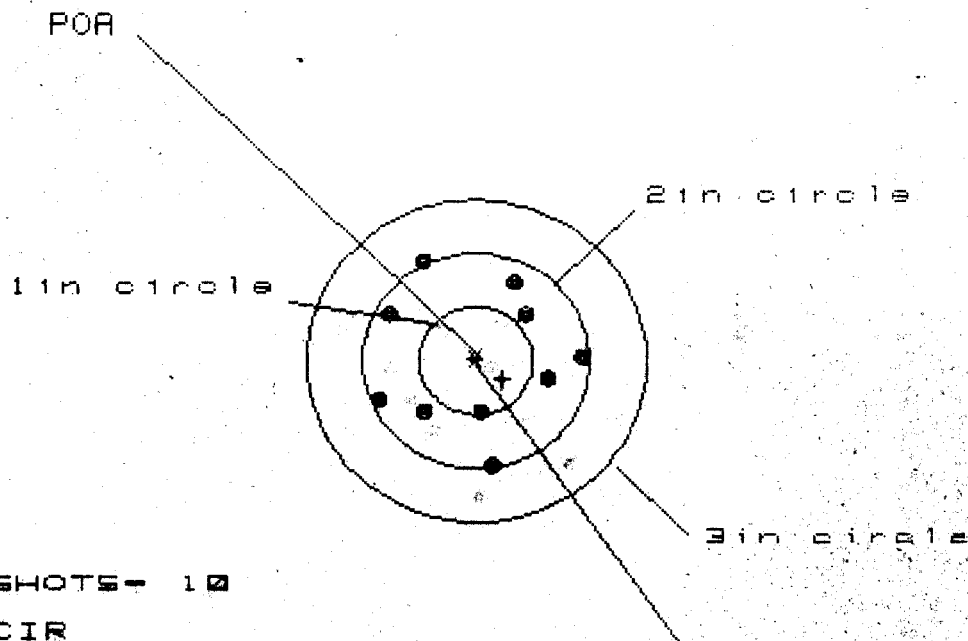
GS = 2.105

PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.094	1.144	.722
MINIMUM X	-.998	-.876	-.733
MAXIMUM Y	.579	.519	.543
MINIMUM Y	-.809	-.869	-.845
CENTROID X	-.095	-.217	-.360
CENTROID Y	.097	.157	.133
POA TO CENTROID in.	.136	.268	.384
MIN RADIUS	.319	.382	.263
MEAN RADIUS	.750	.670	.586
MAX RADIUS	1.210	1.159	1.112
HORIZONTAL SPREAD	2.092	2.020	1.455
VERTICAL SPREAD	1.388	1.388	1.388
EXTREME SPREAD	2.105	2.094	1.591
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	10		

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CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 0

2in = 0

3in = 10

HS= 1.000

VS= 1.973

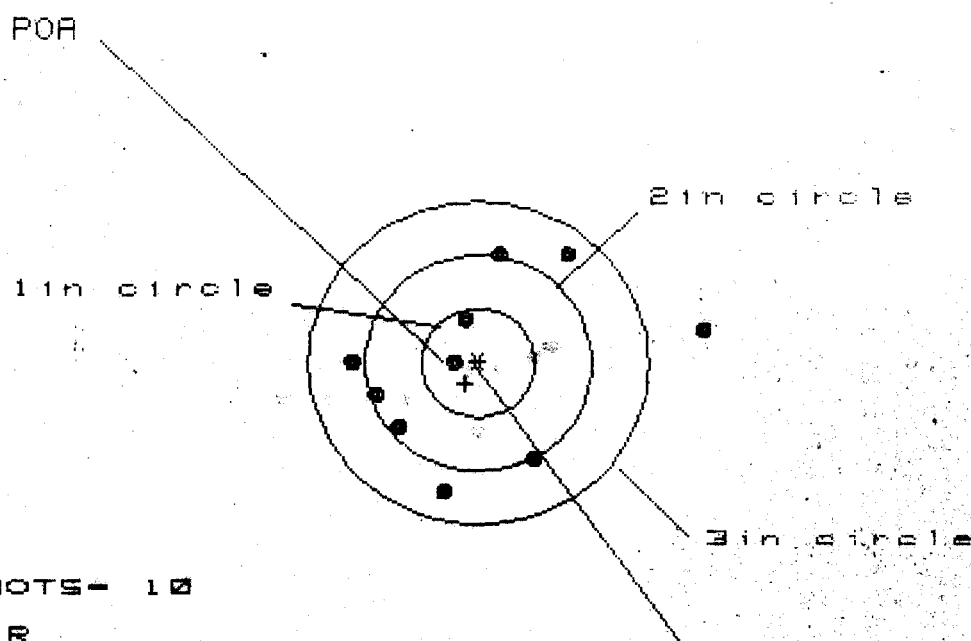
GS= 2.056

PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.980	.929	.938
MINIMUM X	:	-.900	-.951	-.942
MAXIMUM Y	:	.970	.854	.742
MINIMUM Y	:	-1.003	-.896	-.517
CENTROID X	:	-.237	-.186	-.195
CENTROID Y	:	.165	.058	.170
POA TO CENTROID in.	:	.289	.195	.259
MIN RADIUS	:	.516	.405	.517
MEAN RADIUS	:	.821	.779	.763
MAX RADIUS	:	1.071	.993	1.022
HORIZONTAL SPREAD	:	1.880	1.880	1.880
VERTICAL SPREAD	:	1.973	1.750	1.259
EXTREME SPREAD	:	2.056	1.924	1.924
NUMBER IN ONE INCH CIRCLE	=	0	0	0
NUMBER IN TWO INCH CIRCLE	=	0	8	8
NUMBER IN THREE INCH CIRCLE	=	0	10	10

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CENTERFIRE PATTERNS # 4



OF SHOTS - 10

IN CIR

1in = 2

2in = 4

3in = 9

HS= 3.022

VS= 2.223

GS= 3.035

CENTROID *

PATTERN #	:			
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.939	.970	.792
MINIMUM X	:	-1.083	-.868	-.746
MAXIMUM Y	:	1.055	1.092	1.225
MINIMUM Y	:	-1.168	-1.131	-.998
CENTROID X	:	.112	-.103	-.225
CENTROID Y	:	.189	.152	.019
POA TO CENTROID in.	:	.220	.184	.225
MIN RADIUS	:	.234	.060	.216
MEAN RADIUS	:	1.015	.857	.774
MAX RADIUS	:	1.967	1.439	1.327
HORIZONTAL SPREAD	:	3.022	1.838	1.539
VERTICAL SPREAD	:	2.223	2.223	2.223
EXTREME SPREAD	:	3.035	2.422	2.267
NUMBER IN ONE INCH CIRCLE =	:		2	
NUMBER IN TWO INCH CIRCLE =	:		4	
NUMBER IN THREE INCH CIRCLE =	:		9	

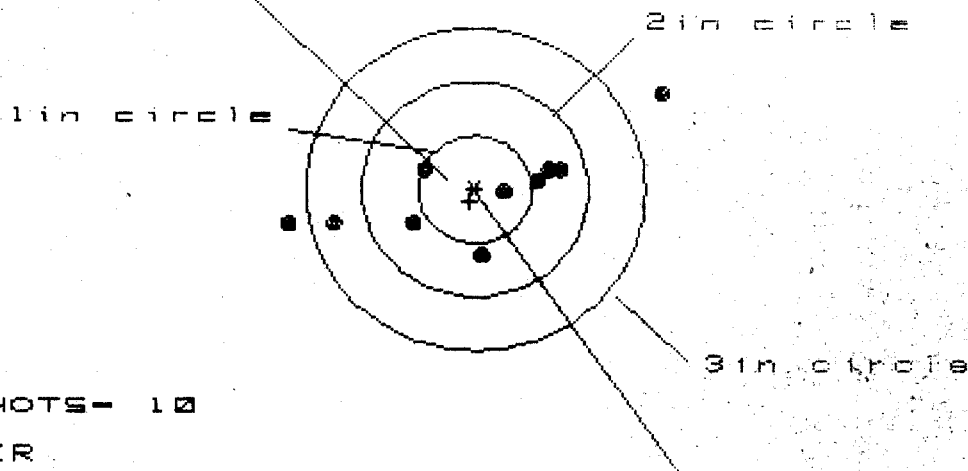
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CENTERFIRE PATTERNS

5

POA



OF SHOTS- 10

IN CIR

1in - 2

2in - 7

3in = 8

HS= 3.255

VS= 1.489

GS= 3.456

CENTROID #

PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.629	.978	.798
MINIMUM X	:	-1.626	-1.445	-1.198
MAXIMUM Y	:	.863	.310	.284
MINIMUM Y	:	-.626	-.530	-.555
CENTROID X	:	.049	-.132	.048
CENTROID Y	:	.110	.014	.040
POA TO CENTROID in.	:	.120	.133	.062
MIN RADIUS	:	.248	.332	.266
MEAN RADIUS	:	.868	.764	.647
MAX RADIUS	:	1.844	1.459	1.216
HORIZONTAL SPREAD	:	3.255	2.423	1.996
VERTICAL SPREAD	:	1.489	.840	.840
EXTREME SPREAD	:	3.456	2.467	2.044
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		8	