

C6523473

MODEL 700TM M24

Model **SMS** TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington



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

MODEL 700™ H24

01

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

SERIAL NO.
C6523473

ORDER NO.
5716



5716 C6523473

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C 6523473

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		10/4/90	KA
600	Proof		10/4/90	KA
607	Check Headspace		10/4/90	KA
610	Dis-assemble Gun		10/4/90	KA
612	Magnaflux Barrel Action		10/9/90	KR
	Magnaflux Bolt		10/9/90	KR
615	Rollmark Caliber		10/9/90	LS
617	Drill and Tap Sight Holes		10/11/90	KB
618	Polish Barrel RB		10/12/90	WB
620	Apply Coatings (Barrel Action)		10-12-90	TA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		10/14/90	WB
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		10/19/90	WB
	C) Inspect Ejector Hole for Chamfer		10/19/90	WB
	D) Oil Firing Pin Ass'y		10/19/90	WB
	E) Adjust Trigger Pull to Min Setting and Stake		11/5/90	WB

op. #	BARBER - M24 0028706	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4.25	4.0	4.0			11-2-90	KT
	G) Safety Off Force	2.5	2.5	2.75			11-2-90	KT
	H) Trigger Pull Test & Retainability						11/5/90	W.B
	I) Firing Pin Indent	0.26	0.24	0.26			11-2-90	KT
	J) Assemble Stock						11-5-90	KA
	K) Assemble Swivel Studs						11-20-90	DH
	L) Attach Front and Rear Sight Assemblies						11-5-90	KA
	M) Iron Sight Alignment						11-5-90	KA
	N) Detach Front & Rear Sights & place in numbered container						11-5-90	KA
	O) Attach Scope to Rifle						11-5-90	KA
	P) Detach & Attach Scope 20 Times						11-5-90	KA
640	Gallery Target & Test						11/6/90	AF
	A) Time						"	AF
	B) Malfunctions						"	AF
	C) Pierced Primers						"	AF
	D) Optical Clarity of Scope						"	AF
645	Inspect for Live Ammo						11/6/90	AF
655	Final Inspection							
	A) Headspace						11-20-90	DH
	B) Trigger Pull	2.52	2.43	2.50	2.41	2.43	11-20-90	DH
	C) Function						11-20-90	DH
660	Pack						12/12/90	AF

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6523473

DATE 11/5/90

TESTER WB

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.39	2.33	2.47	2.52	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.35	2.46	2.50	2.43	
PULL #3	2.30	2.47	2.42	2.50	
PULL #4	2.33	2.48	2.49	2.41	
PULL #5	2.32	2.39	2.45	2.43	
TOTAL	11.69	12.13	12.33		
AVG.	2.34	2.43	2.46		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.10	3.08		
PULL #2	3.12	3.11		
PULL #3	3.18	3.14		
PULL #4	3.17	3.19		
PULL #5	3.15	3.15		
TOTAL	15.72	15.67		
AVG.	3.14	3.13		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.12	3.97		4.09
PULL #2	4.02	3.92		4.00
PULL #3	4.00	3.95		4.03
PULL #4	4.01	3.94		4.06
PULL #5	4.04	3.93		4.00
TOTAL	20.19	19.77		20.18
AVG.	4.04	3.94		4.05

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6523473
7 Nov 1990

CENTROIDAL DISTANCES

0 TO	1	.115
1 TO	2	.210523
1 TO	3	.37977
1 TO	4	.122409
1 TO	5	.0687677

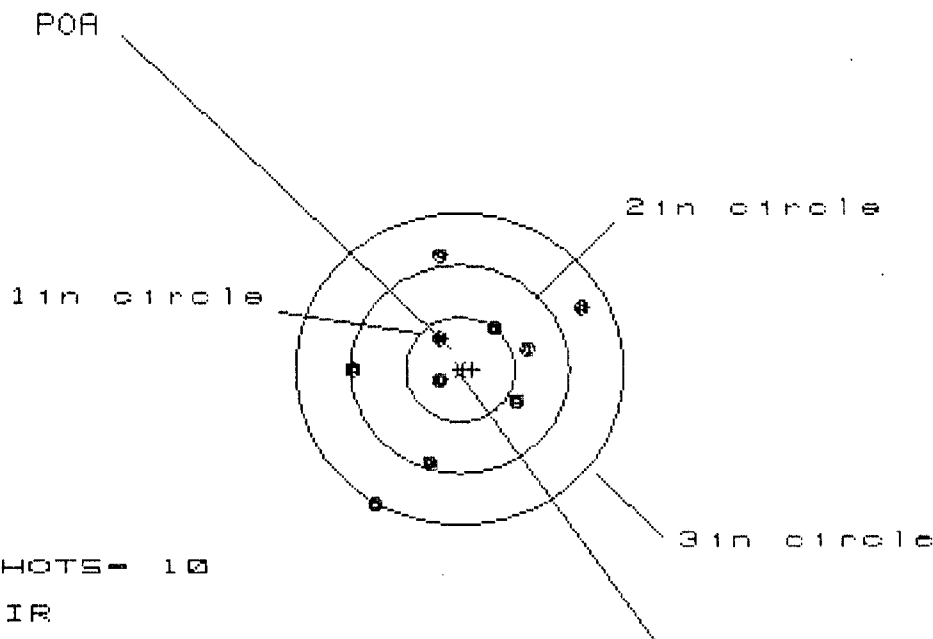
3rd <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0906
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1124
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .144368
THE AMR FOR THIS RIFLE IS: .7476

7 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6523473

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 2

2in = 7

3in = 9

HS= 2.118

VS= 2.452

GS= 2.803

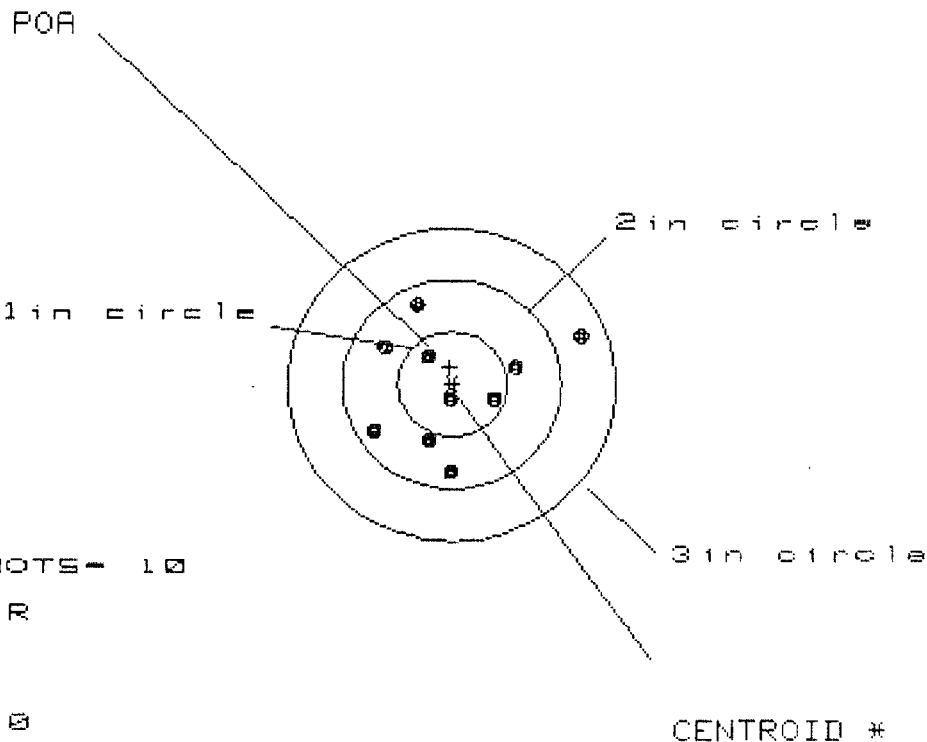
CENTROID *

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.154	1.061	.703
MINIMUM X	:	-.964	-1.057	-.924
MAXIMUM Y	:	1.113	.964	1.025
MINIMUM Y	:	-1.339	-1.027	-.966
CENTROID X	:	-.115	-.022	-.155
CENTROID Y	:	.000	.149	.088
POA TO CENTROID in.	:	.115	.151	.178
MIN RADIUS	:	.255	.313	.240
MEAN RADIUS	:	.836	.738	.675
MAX RADIUS	:	1.577	1.169	1.030
HORIZONTAL SPREAD	:	2.118	2.118	1.627
VERTICAL SPREAD	:	2.452	1.991	1.991
EXTREME SPREAD	:	2.803	2.218	2.000
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

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CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 9

3 in = 10

HS= 1.927

VS= 1.615

GS= 2.119

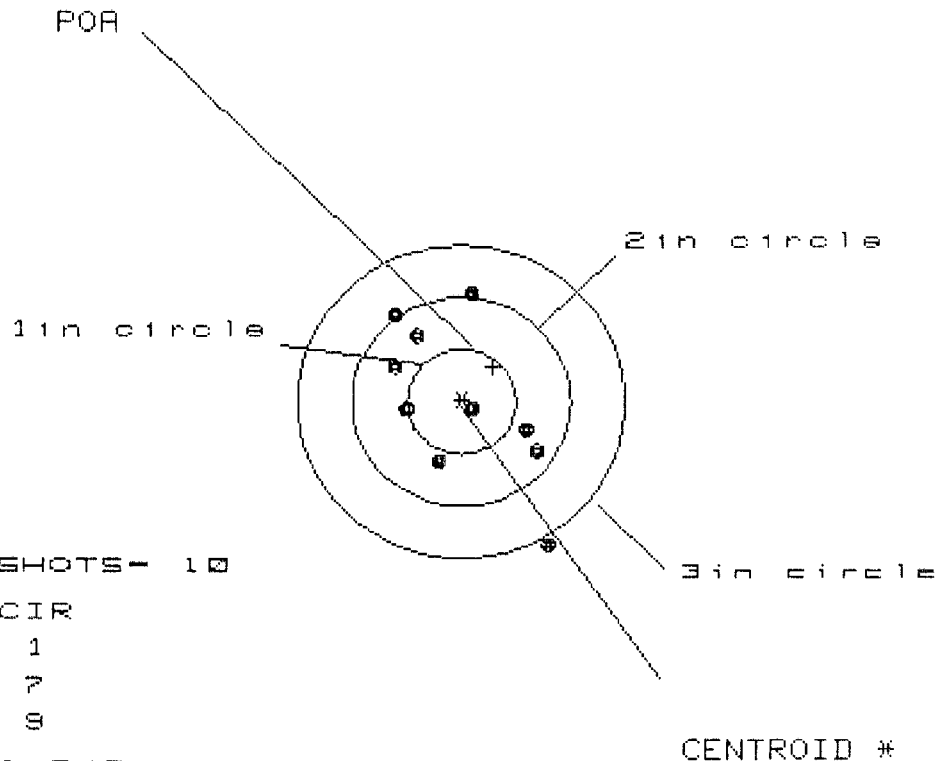
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.200	.765	.780
MINIMUM X	:	-.727	-.594	-.579
MAXIMUM Y	:	.741	.791	.689
MINIMUM Y	:	-.874	-.824	-.565
CENTROID X	:	.017	-.116	-.131
CENTROID Y	:	-.164	-.214	-.112
POA TO CENTROID in.	:	.165	.244	.172
MIN RADIUS	:	.171	.142	.220
MEAN RADIUS	:	.666	.585	.552
MAX RADIUS	:	1.284	.832	.794
HORIZONTAL SPREAD	:	1.927	1.359	1.359
VERTICAL SPREAD	:	1.615	1.615	1.253
EXTREME SPREAD	:	2.119	1.642	1.497
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		9	
NUMBER IN THREE INCH CIRCLE	=		10	

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CENTERFIRE PATTERNS # 3



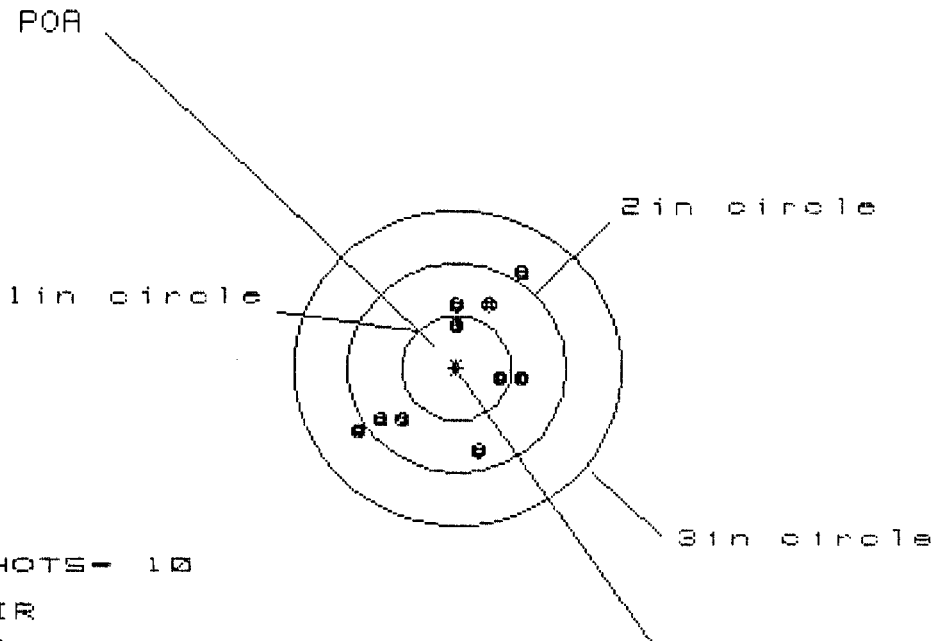
HS= 1.348
 VS= 2.347
 GS= 2.553

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.758	.818	.755
MINIMUM X	:	-.590	-.506	-.540
MAXIMUM Y	:	1.015	.867	.954
MINIMUM Y	:	-1.332	-.743	-.657
CENTROID X	:	-.292	-.376	-.313
CENTROID Y	:	-.336	-.188	-.274
POR TO CENTROID in.	:	.446	.421	.416
MIN RADIUS	:	.092	.240	.136
MEAN RADIUS	:	.779	.687	.657
MAX RADIUS	:	1.532	1.037	.960
HORIZONTAL SPREAD	:	1.348	1.324	1.295
VERTICAL SPREAD	:	2.347	1.610	1.610
EXTREME SPREAD	:	2.553	1.873	1.637
NUMBER IN ONE INCH CIRCLE =			1	
NUMBER IN TWO INCH CIRCLE =			7	
NUMBER IN THREE INCH CIRCLE =			9	

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CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in = 2

2in = 8

3in = 10

HS= 1.519

VS= 1.673

GS= 2.105

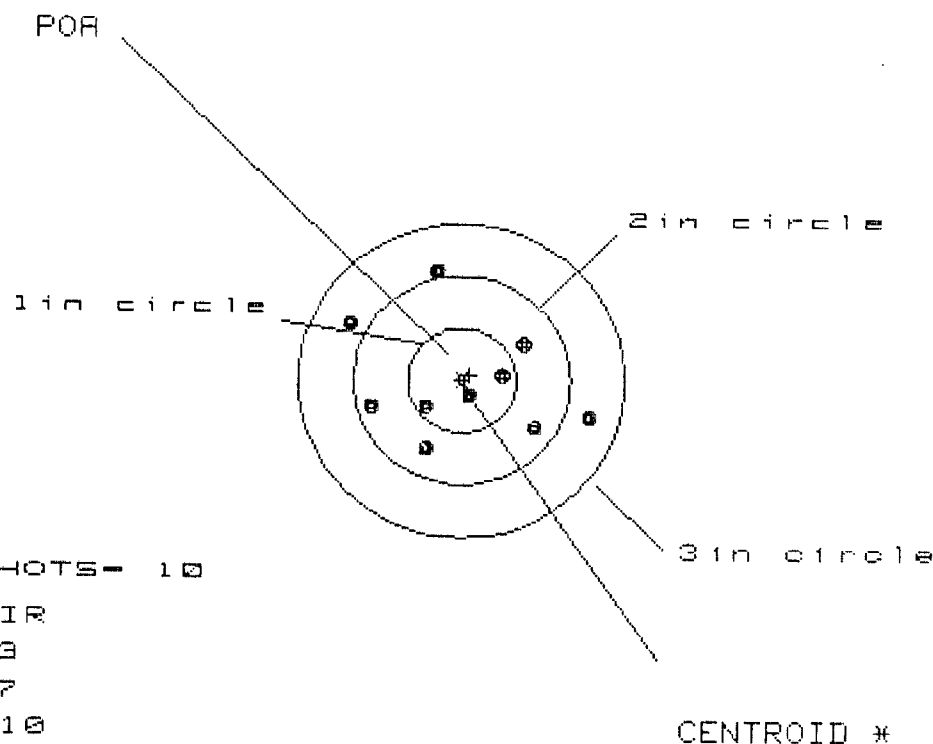
CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.580	.476	.534
MINIMUM X	:	-.939	-.809	-.750
MAXIMUM Y	:	.902	.841	.632
MINIMUM Y	:	-.771	-.832	-.727
CENTROID X	:	.007	.111	.052
CENTROID Y	:	-.010	.051	-.054
POA TO CENTROID in.	:	.013	.123	.075
MIN RADIUS	:	.405	.351	.383
MEAN RADIUS	:	.716	.653	.621
MAX RADIUS	:	1.091	.984	.877
HORIZONTAL SPREAD	:	1.519	1.285	1.284
VERTICAL SPREAD	:	1.673	1.673	1.359
EXTREME SPREAD	:	2.105	1.900	1.480
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		10	

7 May 1998

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CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 3

2in = 7

3in = 10

HS= 2.143

VS= 1.699

GS= 2.314

CENTROID *

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.127	.821	.710
MINIMUM X	:	-1.016	-.891	-.823
MAXIMUM Y	:	1.032	.998	1.064
MINIMUM Y	:	-.667	-.701	-.635
CENTROID X	:	-.070	-.195	-.083
CENTROID Y	:	-.052	-.018	-.084
POA TO CENTROID in.	:	.087	.196	.118
MIN RADIUS	:	.188	.295	.170
MEAN RADIUS	:	.741	.702	.632
MAX RADIUS	:	1.169	1.036	1.092
HORIZONTAL SPREAD	:	2.143	1.712	1.532
VERTICAL SPREAD	:	1.699	1.699	1.699
EXTREME SPREAD	:	2.314	1.970	1.731
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	