

C6498834

MODEL 700TM M24

Model **SMS** TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6498834

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	5 17	90	RW
600	Proof	5 17	90	RW
607	Check Headspace	5 17	90	RW
610	Dis-assemble Gun	5 17	90	RW
612	Magnaflux Barrel Action		5/22/90	KCB
	Magnaflux Bolt		5/22/90	KCB
615	Rollmark Caliber		6/27/90	GS
617	Drill and Tap Sight Holes		5/23/90	FB
618	Polish Barrel RB		5/24/90	WB
620	Apply Coatings (Barrel Action)		6-4-90	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		6/12/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		6/12/90	RW
	C) Inspect Ejector Hole for Chamfer		6/12/90	RW
	D) Oil Firing Pin Ass'y		6/12/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		6-4-90	JA

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4	4	4			7/26/90	JK
	G) Safety Off Force	3	3	3			7/26/90	JK
	H) Trigger Pull Test & Retainability						9-4-90	JK
	I) Firing Pin Indent	.0205	.0205	.0205			7/26/90	JK
	J) Assemble Stock						7/30/90	RW
	K) Assemble Swivel Studs						9/5/90	JS
	L) Attach Front and Rear Sight Assemblies						7/30/90	RW
	M) Iron Sight Alignment						7/30/90	RW
	N) Detach Front & Rear Sights & place in numbered container						7/30/90	RW
	O) Attach Scope to Rifle						7/30/90	RW
	P) Detach & Attach Scope 20 Times						7/30/90	RW
640	Gallery Target & Test						7-8-90	KJ
	A) Time							KJ
	B) Malfunctions							KJ
	C) Pierced Primers							KJ
	D) Optical Clarity of Scope							KJ
645	Inspect for Live Ammo						8-8-90	KJ
655	Final Inspection							
	A) Headspace						9/5/90	JS
	B) Trigger Pull	2.27	2.22	2.15	2.20	2.26	9-4-90	JK
	C) Function						9/5/90	JS
660	Pack						9/20/90	AF

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#
3.00# + .75#
4.00# + 1.00#

SERIAL NO. C6498834

DATE 9-4-90

TESTER JG

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.24	2.28	2.30	2.27	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.32	2.33	2.33	2.22	
PULL #3	2.28	2.36	2.36	2.15	
PULL #4	2.28	2.31	2.28	2.20	
PULL #5	2.25	2.35	2.32	2.26	
TOTAL	11.37	11.63	11.59	11.10	
AVG.	2.274	2.326	2.318	2.22	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.49	3.48		
PULL #2	3.43	3.47		
PULL #3	3.50	3.47		
PULL #4	3.49	3.49		
PULL #5	3.50	3.50		
TOTAL	17.41	17.41		
AVG.	3.482	3.482		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.46	4.43		4.42
PULL #2	4.41	4.42		4.44
PULL #3	4.41	4.40		4.48
PULL #4	4.40	4.41		4.45
PULL #5	4.32	4.33		4.51
TOTAL	22.00	21.99		22.30
AVG.	4.4	4.398		4.46

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6498834
8 Aug 1990

CENTROIDAL DISTANCES

0 TO	1	.0896419
1 TO	2	.151644
1 TO	3	.302835
1 TO	4	.206022
1 TO	5	.172244

4.6 <----POB

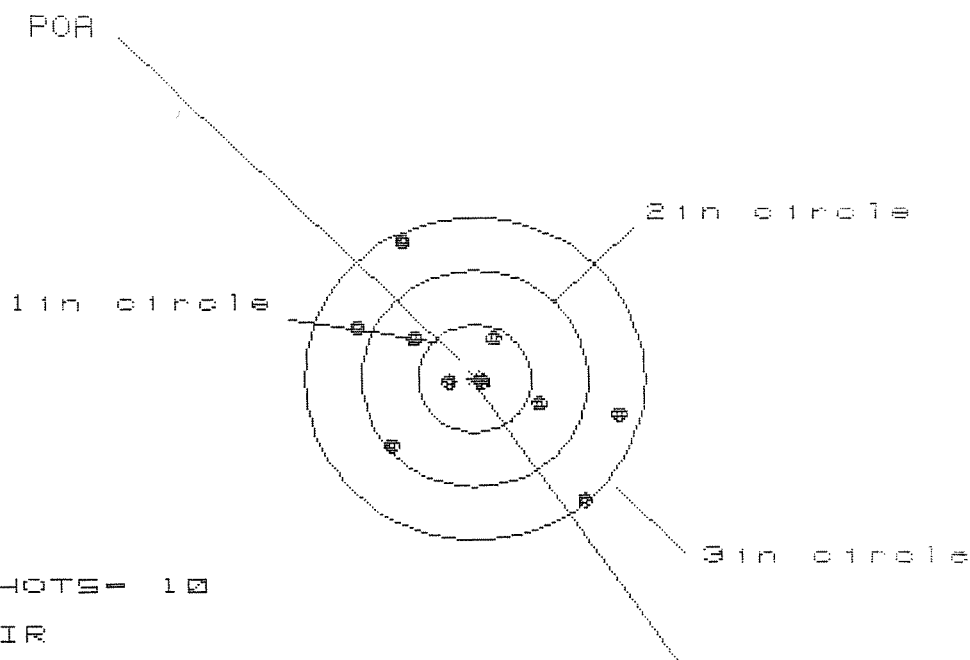
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.043
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0342
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0549422
THE AMR FOR THIS RIFLE IS: .8376

8 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6438834

CENTERFIRE PATTERNS

1



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 6

3 in = 9

HS= 2.352

VS= 2.382

GS= 2.883

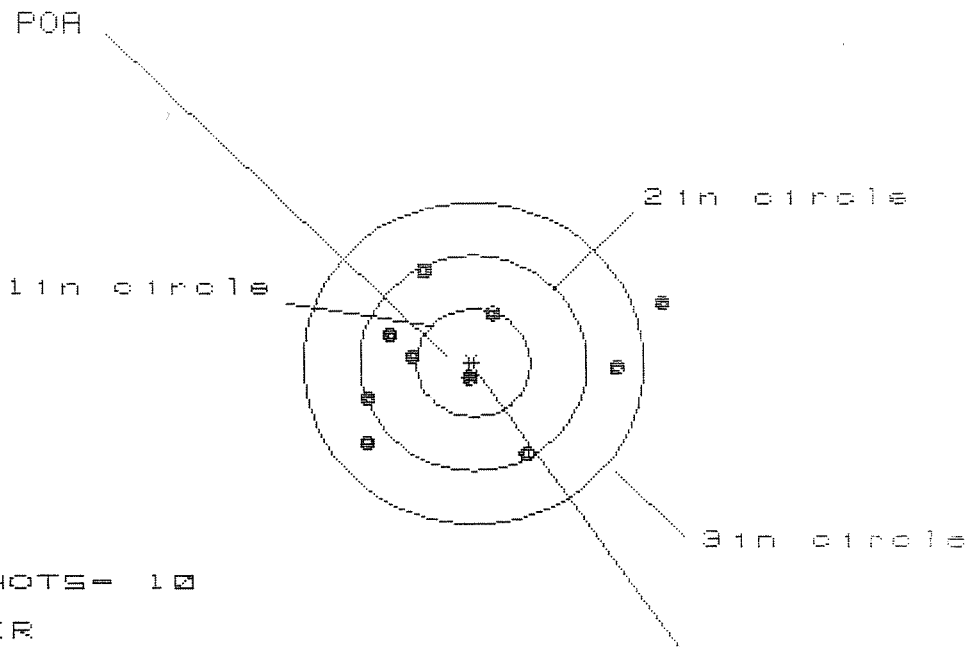
CENTROID #

PATTERN #	:	1	2	3
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.297	1.407	1.342
MINIMUM X	:	-1.055	-.945	-1.010
MAXIMUM Y	:	1.226	1.098	.435
MINIMUM Y	:	-1.156	-.786	-.649
CENTROID X	:	-.065	-.175	-.110
CENTROID Y	:	.025	.153	.016
POA TO CENTROID in.	:	.070	.233	.111
MIN RADIUS	:	.074	.207	.107
MEAN RADIUS	:	.836	.755	.681
MAX RADIUS	:	1.523	1.468	1.371
HORIZONTAL SPREAD	:	2.352	2.352	2.352
VERTICAL SPREAD	:	2.382	1.884	1.084
EXTREME SPREAD	:	2.883	2.458	2.458
NUMBER IN ONE INCH CIRCLE	=	3		
NUMBER IN TWO INCH CIRCLE	=	6		
NUMBER IN THREE INCH CIRCLE	=	9		

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CENTERFIRE PATTERNS # 2



OF SHOTS - 10

IN CIR

1 in = 2

2 in = 6

3 in = 8

HS = 2.630

VS = 1.673

GS = 2.833

CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.646	1.490	.837
MINIMUM X	:	-.984	-.801	-.615
MAXIMUM Y	:	.814	.876	.874
MINIMUM Y	:	-.859	-.797	-.799
CENTROID X	:	.035	-.148	-.334
CENTROID Y	:	.139	.077	.079
POA TO CENTROID in.	:	.143	.167	.344
MIN RADIUS	:	.151	.167	.182
MEAN RADIUS	:	.909	.783	.665
MAX RADIUS	:	1.739	1.490	1.157
HORIZONTAL SPREAD	:	2.630	2.291	1.452
VERTICAL SPREAD	:	1.673	1.673	1.673
EXTREME SPREAD	:	2.833	2.304	1.891
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

8 Aug 1998

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CENTERFIRE PATTERNS

3

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS- 10

IN CIR

1 in = 2

2 in = 7

3 in = 8

HS= 1.645

VS= 3.108

GS= 3.168

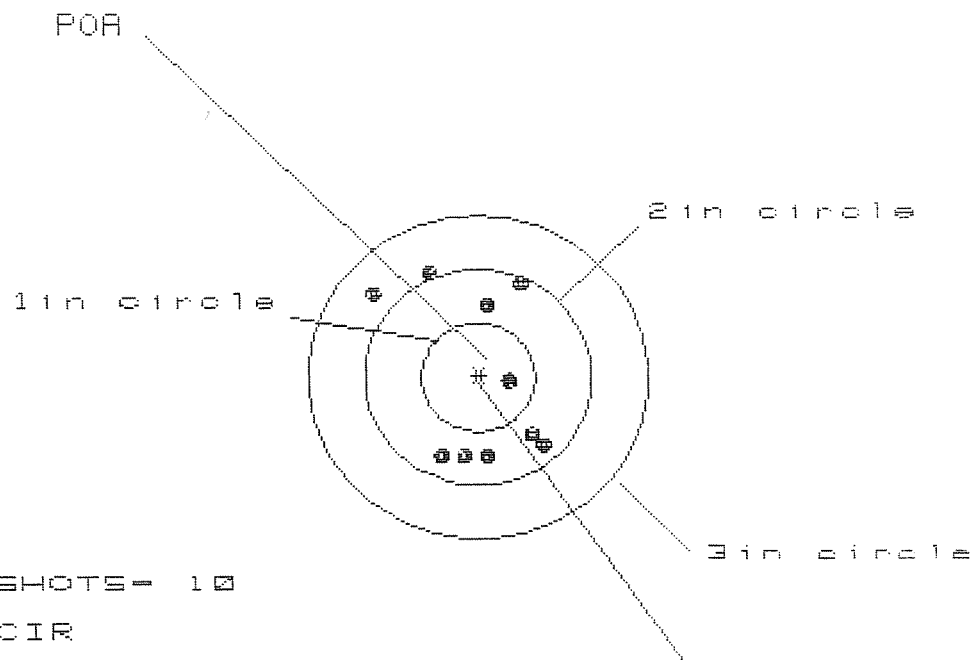
PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.694	.703	.530
MINIMUM X	:	-.951	-.942	-.855
MAXIMUM Y	:	1.760	.781	.637
MINIMUM Y	:	-1.348	-1.152	-.708
CENTROID X	:	.113	.104	.017
CENTROID Y	:	-.220	-.416	-.272
POA TO CENTROID in.	:	.247	.428	.272
MIN RADIUS	:	.256	.331	.278
MEAN RADIUS	:	.881	.774	.692
MAX RADIUS	:	1.762	1.350	.985
HORIZONTAL SPREAD	:	1.645	1.645	1.385
VERTICAL SPREAD	:	3.108	1.933	1.345
EXTREME SPREAD	:	3.168	2.429	1.741
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		8	

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CENTERFIRE PATTERNS

4



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 8

3 in = 10

HS = 1.509

VS = 1.684

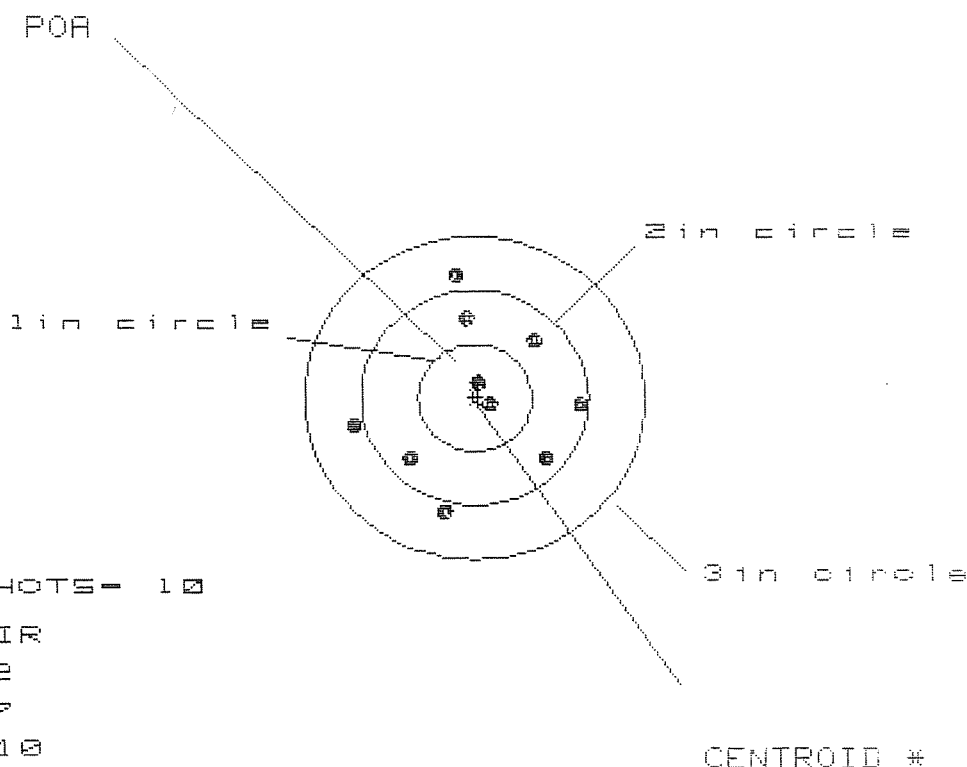
GS = 2.098

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.617	.518	.456
MINIMUM X	:	-.892	-.494	-.482
MAXIMUM Y	:	.934	1.023	1.132
MINIMUM Y	:	-.750	-.661	-.533
CENTROID X	:	-.271	-.172	-.111
CENTROID Y	:	.028	-.061	-.189
POA TO CENTROID in.	:	.273	.183	.219
MIN RADIUS	:	.235	.143	.193
MEAN RADIUS	:	.792	.716	.634
MAX RADIUS	:	1.199	1.136	1.145
HORIZONTAL SPREAD	:	1.509	1.012	.939
VERTICAL SPREAD	:	1.684	1.684	1.665
EXTREME SPREAD	:	2.098	1.885	1.788
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		10	

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CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 2

2in = 7

3in = 10

HS= 1.958

VS= 2.222

GS= 2.223

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.918	.898	.865
MINIMUM X	:	-1.040	-1.060	-1.093
MAXIMUM Y	:	1.170	.908	.793
MINIMUM Y	:	-1.052	-.922	-.562
CENTROID X	:	-.027	-.007	.026
CENTROID Y	:	-.143	-.273	-.158
POA TO CENTROID in.	:	.146	.273	.160
MIN RADIUS	:	.127	.068	.095
MEAN RADIUS	:	.770	.720	.674
MAX RADIUS	:	1.185	1.070	1.123
HORIZONTAL SPREAD	:	1.958	1.958	1.958
VERTICAL SPREAD	:	2.222	1.830	1.355
EXTREME SPREAD	:	2.223	1.969	1.969
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

Remington®



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

MODEL 700™ H24

SERIAL NO.

C6498834

ORDER NO.

5716

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

01



5716 C6498834

UPC



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CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER

BARBER - M24 M2400008644

BARBER - M24 0008605