

C6636054

MODEL 700TM M24

Model **SMS** TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

Smith



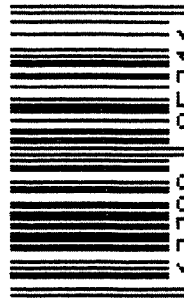

VERY IMPORTANT:
Instruction Book
enclosed to assure
safe use of this
firearm.

MODEL 700 TM H24	SERIAL NO. C6636054
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.	ORDER NO. 5716



5716 C6636054

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6636054

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		4/23/91	K.S.
600	Proof		4/23/91	K.S.
607	Check Headspace		4/23/91	K.S.
610	Dis-assemble Gun		4/23/91	K.S.
612	Magnaflux Barrel Action	5 8 9 1		KCK
	Magnaflux Bolt	5 8 9 1		KCK
615	Rollmark Caliber	5 8 9 1		CS
617	Drill and Tap Sight Holes	5 15 9 1		CS
618	Polish Barrel	5 15 9 1		CS
620	Apply Coatings (Barrel Action)		5-31-91	CS
	Apply Coating (Bolt)			CS
625	Final Assembly		6-6-91	CS
	A) Clean inside of Bolt Assembly			
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		6-6-91	CS
	C) Inspect Ejector Hole for Chamfer		6-6-91	CS
	D) Oil Firing Pin Ass'y		6-6-91	CS
	E) Adjust Trigger Pull to Min Setting and Stake		6-7-91	CS

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			6-7-91	JK
	G) Safety Off Force	4	4	4			6-7-91	JK
	H) Trigger Pull Test & Retainability						6-7-91	JK
	I) Firing Pin Indent	1021	1020	1022			6-7-91	Q
	J) Assemble Stock						6-7-91	KS
	K) Assemble Swivel Studs						6-13-91	A
	L) Attach Front and Rear Sight Assemblies						6-7-91	KS
	M) Iron Sight Alignment						6-7-91	KS
	N) Detach Front & Rear Sights & place in numbered container						6-7-91	KS
	O) Attach Scope to Rifle						6-7-91	KS
	P) Detach & Attach Scope 20 Times						6-7-91	KS
640	Gallery Target & Test						6-10-91	DH
	A) Time						6-10-91	DH
	B) Malfunctions						6-10-91	DH
	C) Pierced Primers						6-10-91	DH
	D) Optical Clarity of Scope						6-10-91	DH
645	Inspect for Live Ammo						6-10-91	DH
655	Final Inspection							
	A) Headspace						6-13-91	A
	B) Trigger Pull	2.25	2.30	2.17	2.15	2.15	2-13-91	JK
	C) Function						6-13-91	A
660	Pack						6-20-91	N

SWS TRIGGER PULL TEST

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

SERIAL NO. 6636054

DATE 6-7-91

TESTER JM

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.39	2.39	2.38	2.25	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.43	2.26	2.31	2.30	
PULL #3	2.39	2.39	2.42	2.17	
PULL #4	2.35	2.34	2.35	2.15	
PULL #5	2.30	2.27	2.20	2.15	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.54	3.43		
PULL #2	3.52	3.62		
PULL #3	3.60	3.65		
PULL #4	3.63	3.60		
PULL #5	3.61	3.63		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.40	4.38		4.41
PULL #2	4.57	4.44		4.44
PULL #3	4.53	4.38		4.57
PULL #4	4.28	4.40		4.60
PULL #5	4.37	4.35		4.57
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6636054
10 Jun 1991

CENTROIDAL DISTANCES

0 TO	1	.354189
1 TO	2	.0883233
1 TO	3	.469915
1 TO	4	.410191
1 TO	5	.514666

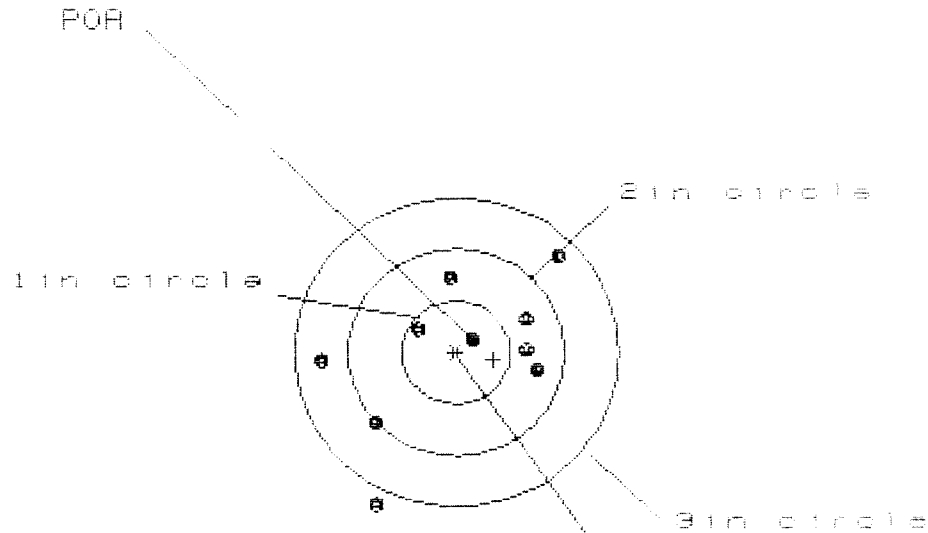
3 ←----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.118
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0834
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .144498
THE AMR FOR THIS RIFLE IS: .8478

18 Jun 1981

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CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 7

3 in = 9

HS= 2.169

VS= 2.377

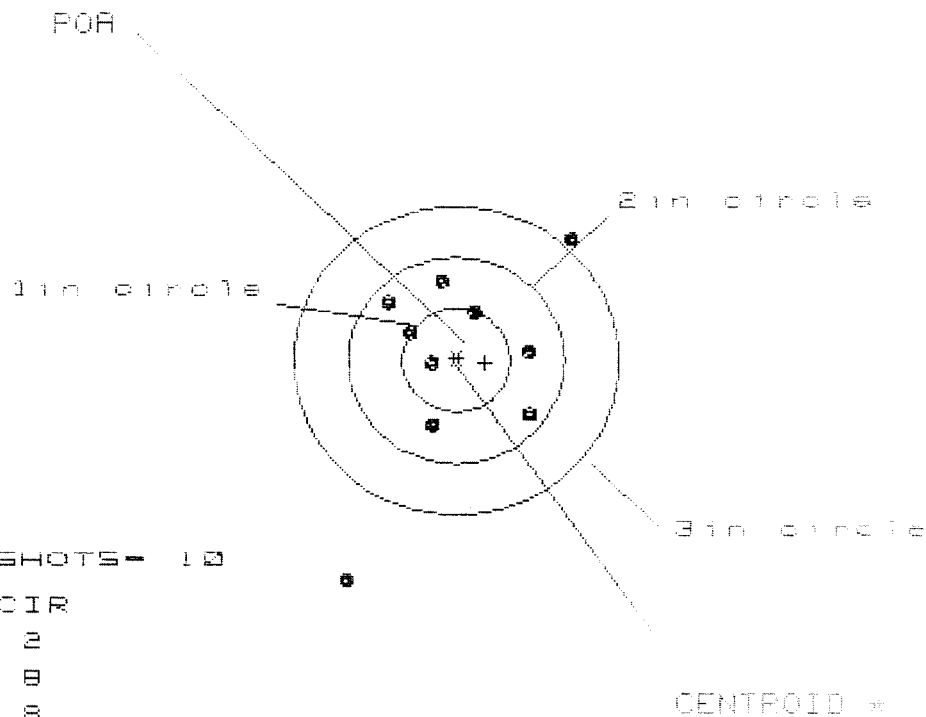
GS= 2.888

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.897	.814	.791
MINIMUM X	:	-1.272	-1.355	-1.253
MAXIMUM Y	:	.912	.750	.679
MINIMUM Y	:	-1.465	-1.788	-1.695
CENTROID X	:	-.347	-.264	-.366
CENTROID Y	:	.071	.233	.140
POA TO CENTROID in.	:	.354	.353	.392
MIN RADIUS	:	.219	.117	.211
MEAN RADIUS	:	.866	.740	.709
MAX RADIUS	:	1.643	1.382	1.266
HORIZONTAL SPREAD	:	2.169	2.169	2.044
VERTICAL SPREAD	:	2.377	1.538	1.374
EXTREME SPREAD	:	2.888	2.398	2.044
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

10 Jun 1991

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CENTERFIRE PATTERNS # 2



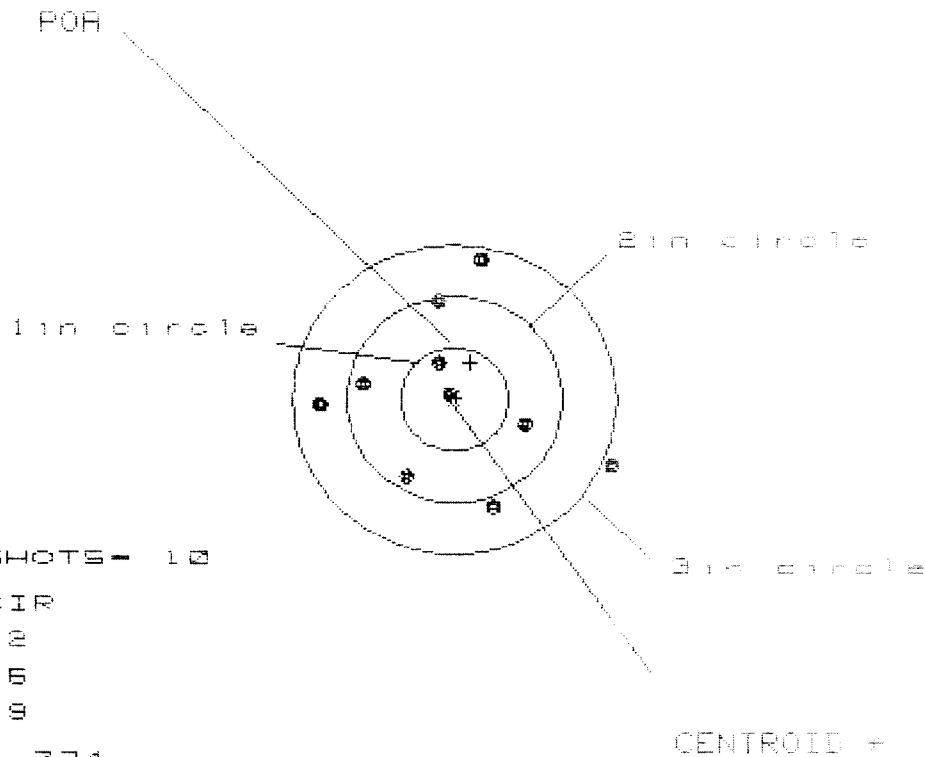
OF SHOTS - 10
 # IN CIR
 1in = 2
 2in = 8
 3in = 8
 HS = 2.003
 VS = 3.317
 GS = 3.917

PATTERN #	2	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.039	.923	.712
MINIMUM X	-1.044	-.701	-.586
MAXIMUM Y	1.210	.976	.626
MINIMUM Y	-2.107	-.859	-.737
CENTROID X	-.271	-.155	-.270
CENTROID Y	.026	.260	.138
POA TO CENTROID in.	.272	.302	.303
MIN RADIUS	.189	.222	.227
MEAN RADIUS	.890	.701	.605
MAX RADIUS	2.351	1.343	.913
HORIZONTAL SPREAD	2.083	1.624	1.298
VERTICAL SPREAD	3.317	1.835	1.363
EXTREME SPREAD	3.917	2.232	1.631
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	8		
NUMBER IN THREE INCH CIRCLE =	8		

18 Jun 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8536054

CENTERFIRE PATTERNS # 3



OF SHOTS - 10

IN CIR

1 in = 2

2 in = 6

3 in = 9

HS = 2.734

VS = 2.423

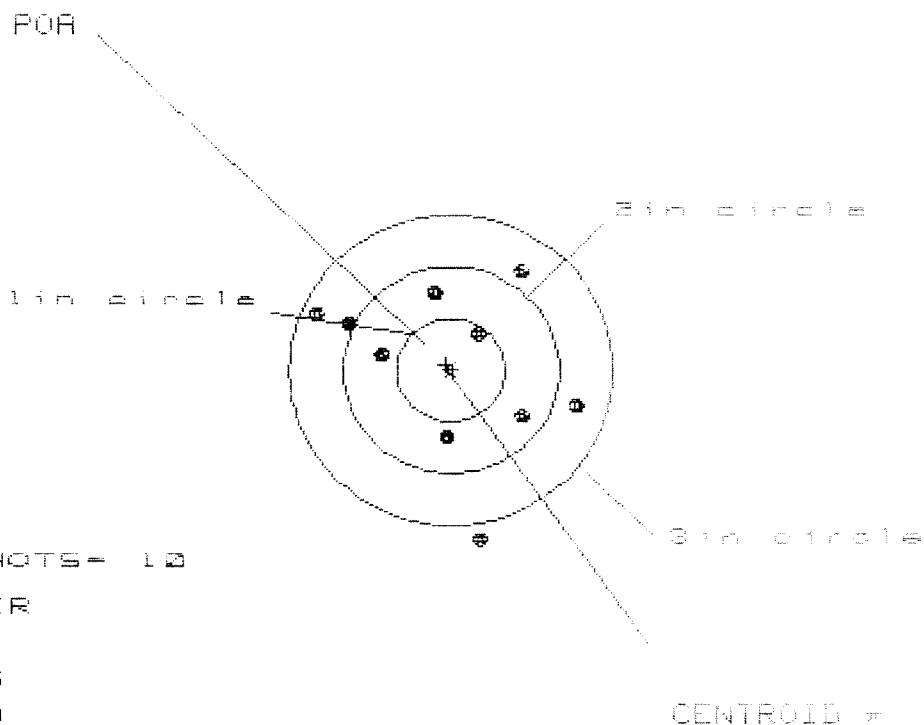
GS = 2.810

PATTERN #	1	5	9
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.444	.839	.897
MINIMUM X	-1.296	-1.129	-1.071
MAXIMUM Y	1.355	1.280	1.035
MINIMUM Y	-1.069	-1.143	-.983
CENTROID X	-.153	-.314	-.372
CENTROID Y	-.357	-.283	-.443
POA TO CENTROID in.	.389	.423	.579
MIN RADIUS	.030	.149	.224
MEAN RADIUS	.919	.834	.775
MAX RADIUS	1.591	1.361	1.155
HORIZONTAL SPREAD	2.734	1.968	1.968
VERTICAL SPREAD	2.423	2.423	2.018
EXTREME SPREAD	2.810	2.425	2.077
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		9	

10 Jun 1991

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CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1in = 1

2in = 5

3in = 9

HS= 2.466

VS= 2.564

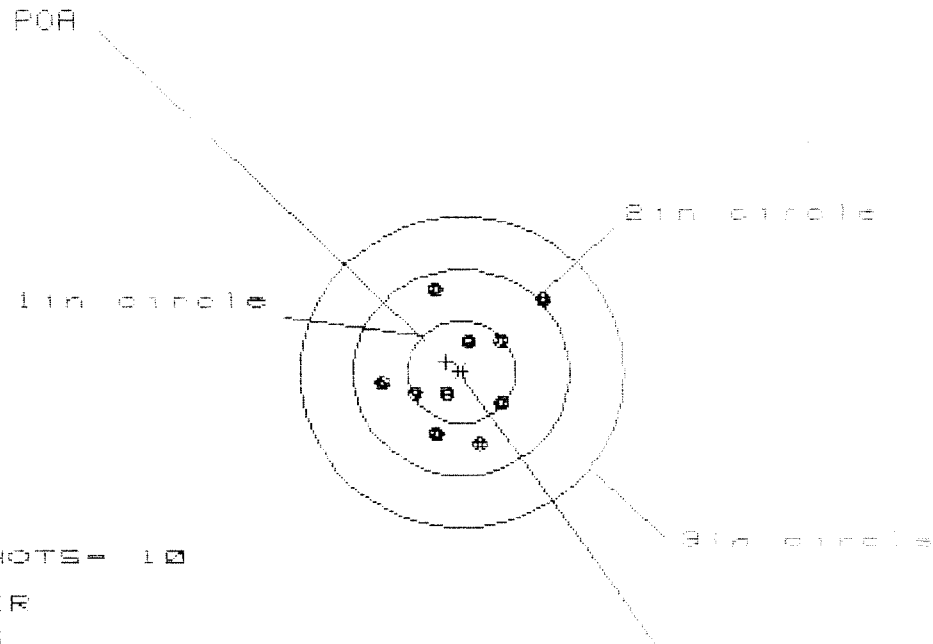
GS= 2.640

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.205	1.229	1.074
MINIMUM X	:	-1.261	-1.237	-1.038
MAXIMUM Y	:	.932	.751	.799
MINIMUM Y	:	-1.632	-.818	-.770
CENTROID X	:	.044	.020	.175
CENTROID Y	:	-.053	.128	.000
POA TO CENTROID in.	:	.069	.129	.193
MIN RADIUS	:	.393	.285	.210
MEAN RADIUS	:	.972	.873	.812
MAX RADIUS	:	1.645	1.328	1.167
HORIZONTAL SPREAD	:	2.466	2.466	2.112
VERTICAL SPREAD	:	2.564	1.569	1.569
EXTREME SPREAD	:	2.640	2.620	2.240
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

18 Jun 1981

FILE:/PATTERNING/CENTERFIRE_PATT/06638054

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 5

2in = 9

3in = 10

HS= 1.457

VS= 1.514

GS= 1.663

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.741	.474	.451
MINIMUM X	:	-.716	-.634	-.657
MAXIMUM Y	:	.869	.879	.519
MINIMUM Y	:	-.711	-.635	-.526
CENTROID X	:	.137	.055	.078
CENTROID Y	:	-.104	-.180	-.289
POA TO CENTROID in.	:	.172	.188	.300
MIN RADIUS	:	.217	.118	.042
MEAN RADIUS	:	.592	.530	.464
MAX RADIUS	:	1.008	.899	.661
HORIZONTAL SPREAD	:	1.457	1.108	1.108
VERTICAL SPREAD	:	1.514	1.514	1.039
EXTREME SPREAD	:	1.663	1.585	1.176
NUMBER IN ONE INCH CIRCLE	=		5	
NUMBER IN TWO INCH CIRCLE	=		9	
NUMBER IN THREE INCH CIRCLE	=		10	