

C6498804

1.69

MODEL 700™ M24

Model **SMS**™

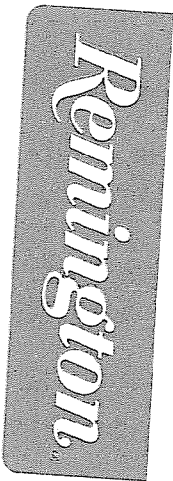
Action

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

SERIAL NO.

C6498804

ORDER NO.

5716

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

01



5716 C6498804

UPC



0 47700 25716 7

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 063409908075

BARBER - M24 0008036

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6498804

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	5 9 90		RW
600	Proof	5 9 90		RW
607	Check Headspace	5 9 90		RW
610	Dis-assemble Gun	5 9 90		RW
612	Magnaflux Barrel Action	5-15-90		KER
	Magnaflux Bolt	5-15-90		KER
615	Rollmark Caliber	5-15-90		GS
617	Drill and Tap Sight Holes		5/17/90	WB
618	Polish Barrel RWB		5/17/90	WB
620	Apply Coatings (Barrel Action)		5/25/90	TA
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly		5/25/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/25/90	RW
	C) Inspect Ejector Hole for Chamfer		5/25/90	RW
	D) Oil Firing Pin Ass'y		5/25/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		5/30/90	QU

BARBER - M24 0008038

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4	4	4			5/31/90	WB
	G) Safety Off Force	2 1/4	2 1/4	2 1/4			5/31/90	WB
	H) Trigger Pull Test & Retainability						5/30/90	SH
	I) Firing Pin Indent	.0225	.0225	.0225			5/31/90	WB
	J) Assemble Stock						6/7/90	Rev
	K) Assemble Swivel Studs						6/13/90	SH
	L) Attach Front and Rear Sight Assemblies						6/7/90	Rev
	M) Iron Sight Alignment						6/7/90	Rev
	N) Detach Front & Rear Sights & place in numbered container						6/7/90	Rev
	O) Attach Scope to Rifle						6/8/90	SH
	P) Detach & Attach Scope 20 Times						6/8/90	SH
640	Gallery Target & Test						6-9-90	DAH
	A) Time						6-9-90	DAH
	B) Malfunctions						6-9-90	DAH
	C) Pierced Primers						6-9-90	DAH
	D) Optical Clarity of Scope						6-9-90	DAH
645	Inspect for Live Ammo						6-9-90	DAH
655	Final Inspection							
	A) Headspace						6/13/90	SH
	B) Trigger Pull	2.37	2.37	2.35	2.33	2.34	6/13/90	GS.
	C) Function						6/13/90	SH
660	Pack						6-9-90	DAH

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6498804DATE 5/30/90TESTER JLP

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.44	2.45	2.40	2.37	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.41	2.41	2.36	2.37	
PULL #3	2.41	2.46	2.46	2.35	
PULL #4	2.43	2.49	2.30	2.33	
PULL #5	2.40	2.41	2.43	2.34	
TOTAL	12.09	12.22	11.95		
AVG.	2.418	2.444	2.39		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.39	3.28		
PULL #2	3.30	3.29		
PULL #3	3.35	3.28		
PULL #4	3.33	3.28		
PULL #5	3.32	3.29		
TOTAL	16.69	16.42		
AVG.	3.338	3.284		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.28	4.37		4.39
PULL #2	4.12	4.36		4.22
PULL #3	4.47	4.39		4.41
PULL #4	4.36	4.38		4.40
PULL #5	4.32	4.39		4.40
TOTAL	21.55	21.89		21.82
AVG.	4.31	4.378		4.364

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6498804
11 Jun 1990

CENTROIDAL DISTANCES

0 TO 1	.14046
1 TO 2	.448219
1 TO 3	.389895
1 TO 4	.788812
1 TO 5	.67804

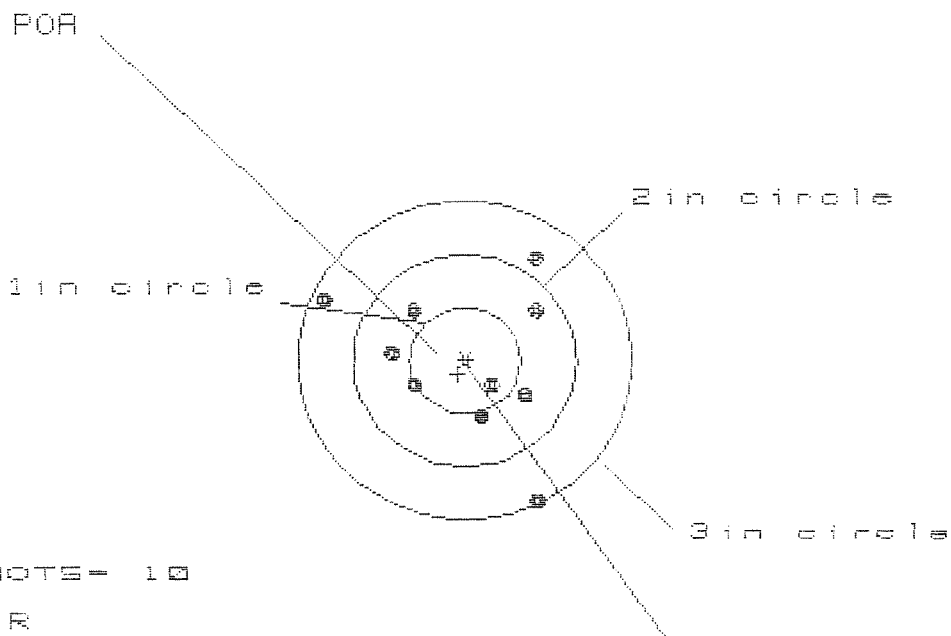
$\frac{1}{5}$
 $\frac{1}{5} \sum_{j=1}^5 x_j^2$ <----FOR

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .2768
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .3662
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .459843
THE AMR FOR THIS RIFLE IS: .9176

9 Jun 1998

FILE:/PATTERNING/CENTERFIRE_PATT/CS438884

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 7

3 in = 10

HS= 1.927

VS= 2.316

GS= 2.724

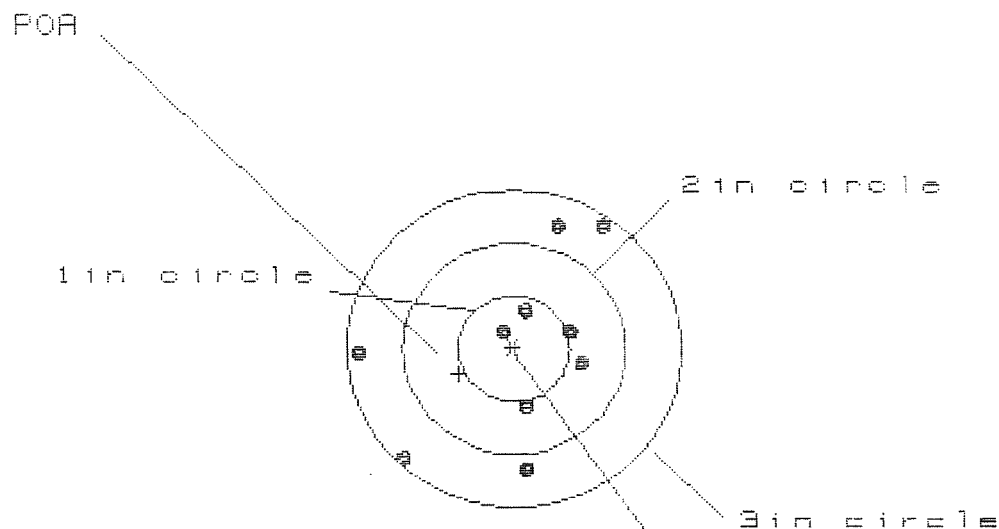
CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.684	.750	.604
MINIMUM X	-1.243	-1.167	-.694
MAXIMUM Y	.997	.851	.908
MINIMUM Y	-1.319	-.653	-.596
CENTROID X	.060	-.016	.130
CENTROID Y	.127	.273	.216
POA TO CENTROID in.	.140	.274	.252
MIN RADIUS	.295	.457	.336
MEAN RADIUS	.813	.743	.665
MAX RADIUS	1.486	1.254	1.073
HORIZONTAL SPREAD	1.927	1.917	1.298
VERTICAL SPREAD	2.316	1.504	1.504
EXTREME SPREAD	2.724	1.993	1.634
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	10		

9 Jun 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6496884

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1 in = 3

2 in = 5

3 in = 10

HS= 2.210

VS= 2.353

GS= 2.871

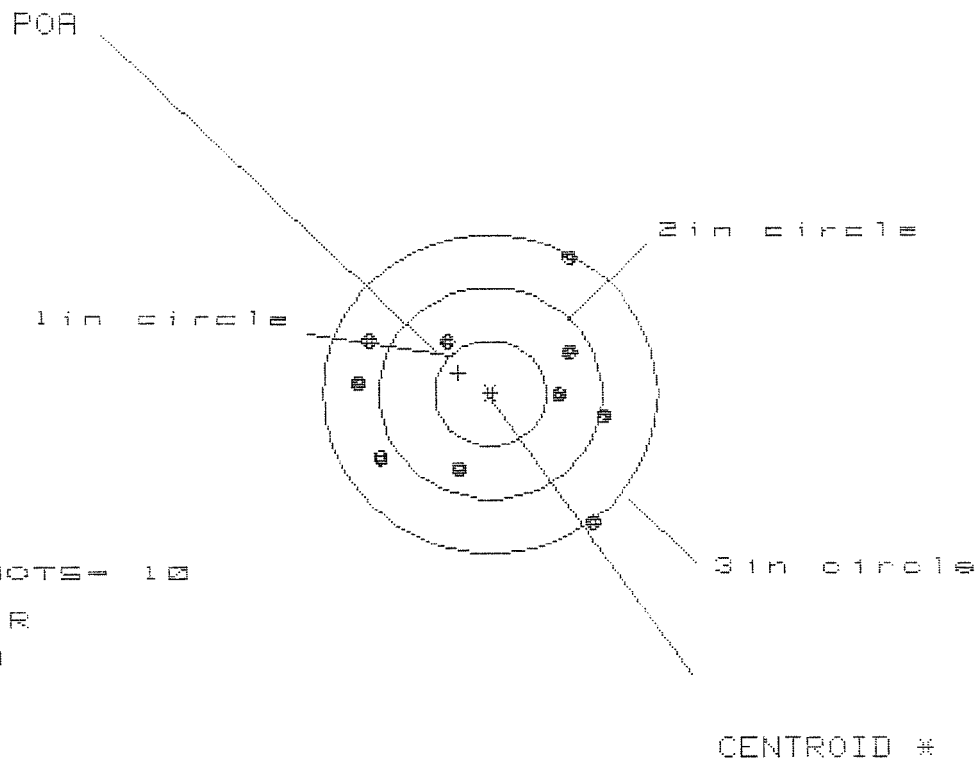
CENTROID *

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.780	.672	.480
MINIMUM X	:	-1.430	-1.538	-.420
MAXIMUM Y	:	1.198	1.078	1.060
MINIMUM Y	:	-1.155	-1.275	-1.293
CENTROID X	:	.494	.602	.794
CENTROID Y	:	.239	.360	.378
POA TO CENTROID in.	:	.549	.701	.879
MIN RADIUS	:	.164	.200	.176
MEAN RADIUS	:	.889	.883	.694
MAX RADIUS	:	1.452	1.544	1.303
HORIZONTAL SPREAD	:	2.210	2.210	.900
VERTICAL SPREAD	:	2.353	2.353	2.353
EXTREME SPREAD	:	2.871	2.522	2.435
NUMBER IN ONE INCH CIRCLE	=		3	
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 = 0

2 in = 5

3 in = 8

HS = 2.157

VS = 2.533

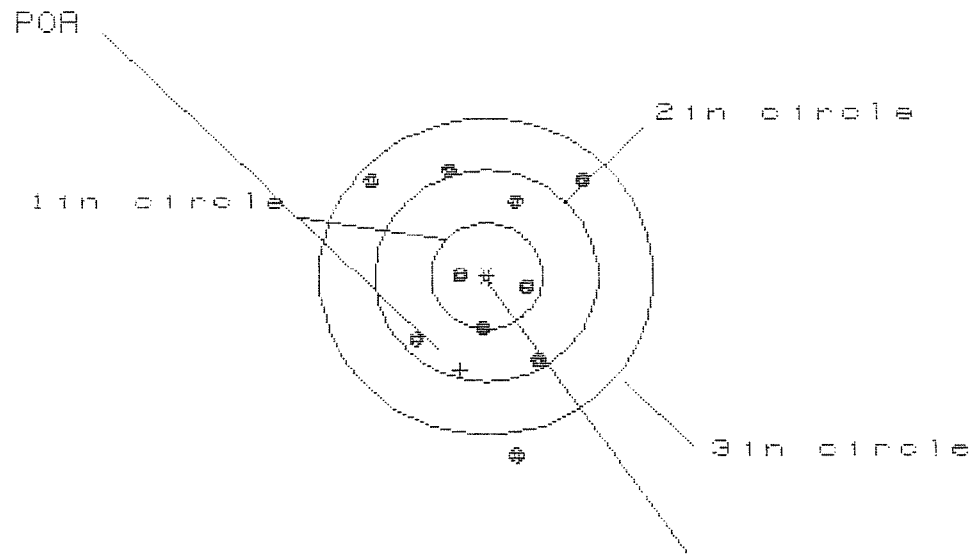
GS = 2.655

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.976	1.075	1.178
MINIMUM X	:	-1.181	-1.082	-.979
MAXIMUM Y	:	1.319	1.184	.542
MINIMUM Y	:	-1.214	-.826	-.677
CENTROID X	:	.287	.188	.085
CENTROID Y	:	-.190	-.055	-.204
POA TO CENTROID in.	:	.344	.196	.221
MIN RADIUS	:	.600	.433	.498
MEAN RADIUS	:	1.033	.971	.900
MAX RADIUS	:	1.507	1.441	1.194
HORIZONTAL SPREAD	:	2.157	2.157	2.157
VERTICAL SPREAD	:	2.533	2.010	1.220
EXTREME SPREAD	:	2.655	2.574	2.213
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

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CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in = 2

2in = 6

3in = 9

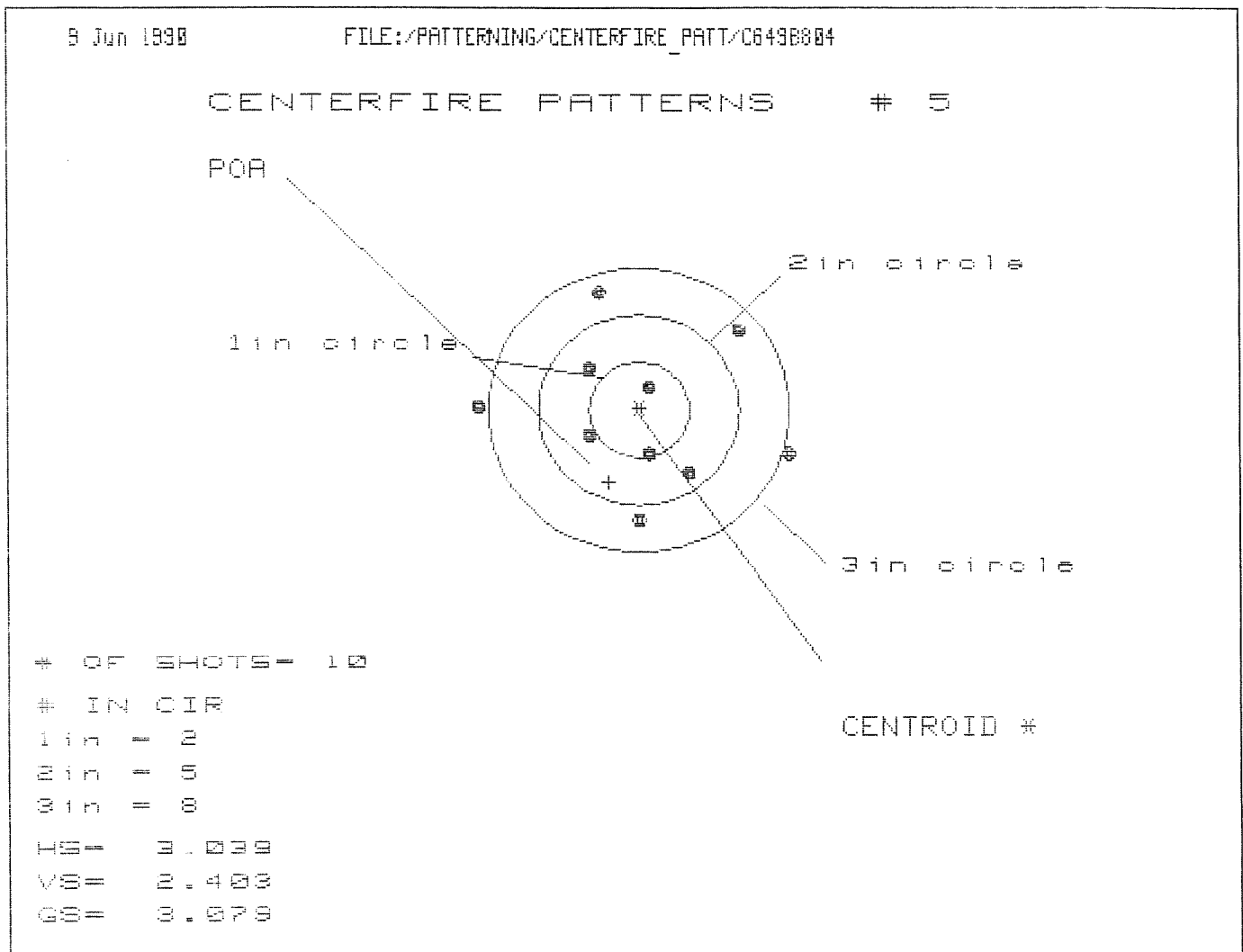
HS= 1.877

VS= 2.639

GS= 2.886

CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.842	.876	.751
MINIMUM X	:	-1.035	-1.001	-.711
MAXIMUM Y	:	.989	.806	.896
MINIMUM Y	:	-1.650	-.933	-.843
CENTROID X	:	.240	.206	.332
CENTROID Y	:	.895	1.078	.988
POA TO CENTROID in.	:	.927	1.098	1.042
MIN RADIUS	:	.265	.281	.296
MEAN RADIUS	:	.898	.812	.742
MAX RADIUS	:	1.678	1.236	1.074
HORIZONTAL SPREAD	:	1.877	1.877	1.461
VERTICAL SPREAD	:	2.639	1.739	1.739
EXTREME SPREAD	:	2.886	2.257	2.036
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	



PATTERN #	5		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.448	1.271	.942
MINIMUM X	-1.591	-.693	-.534
MAXIMUM Y	1.285	1.291	1.237
MINIMUM Y	-1.118	-1.112	-1.166
CENTROID X	.303	.480	.321
CENTROID Y	.760	.754	.808
POA TO CENTROID in.	.818	.893	.869
MIN RADIUS	.272	.272	.220
MEAN RADIUS	.955	.885	.807
MAX RADIUS	1.592	1.428	1.317
HORIZONTAL SPREAD	3.039	1.964	1.476
VERTICAL SPREAD	2.403	2.403	2.403
EXTREME SPREAD	3.079	2.552	2.437
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		8	