

C6498755

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.





Remington®

MODEL 700™ H24

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

01

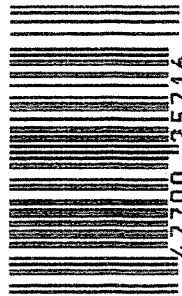
VERY IMPORTANT:
Instruction Book
enclosed to assure
safe use of this
firearm.

SERIAL NO.	C6498755
ORDER NO.	5716



5716 C6498755

UPC



0 47700 25716 7

297
M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6498755

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		KCB
	Magnaflux Bolt	5-15-90		KCB
615	Rollmark Caliber	5-15-9		GS
617	Drill and Tap Sight Holes		5/17/90	KB
618	Polish Barrel RB		5/17/90	WCB
620	Apply Coatings (Barrel Action)		5-15-90	TJA
	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		5/31/90	M

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4 1/4	4 1/4	4 1/4			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						5/31/90	JH
	I) Firing Pin Indent	.0745	.0237	.024			5/31/90	WB
	J) Assemble Stock						6/1/90	RW
	K) Assemble Swivel Studs						6-13-90	JH
	L) Attach Front and Rear Sight Assemblies						6/1/90	RW
	M) Iron Sight Alignment						6/1/90	RW
	N) Detach Front & Rear Sights & place in numbered container						6/1/90	RW
	O) Attach Scope to Rifle						6/1/90	WB
	P) Detach & Attach Scope 20 Times						6/1/90	WB
640	Gallery Target & Test						6-4-90	#
	A) Time						11	#
	B) Malfunctions						11	#
	C) Pierced Primers						11	#
	D) Optical Clarity of Scope						11	#
645	Inspect for Live Ammo						6-4-90	#
655	Final Inspection							
	A) Headspace						6-13-90	JH
	B) Trigger Pull	2.74	2.67	2.63	2.60	2.61	6-13-90	JH
	C) Function						6-13-90	JH
660	Pack						6-19-90	D/H

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

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

SERIAL NO. C6498753

DATE 5/31/90

TESTER gpc

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.48	2.41	2.48	2.76	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.50	2.43	2.41	2.67	
PULL #3	2.46	2.47	2.39	2.63	
PULL #4	2.49	2.46	2.41	2.60	
PULL #5	2.41	2.44	2.38	2.61	
TOTAL	12.34	12.21	12.09		
AVG.	2.468	2.442	2.418		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.14	3.37		
PULL #2	3.13	3.37		
PULL #3	3.18	3.39		
PULL #4	3.35	3.50		
PULL #5	3.48	3.24		
TOTAL	16.28	16.87		
AVG.	3.256	3.374		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.41	4.36		4.33
PULL #2	4.34	4.34		4.33
PULL #3	4.30	4.33		4.35
PULL #4	4.27	4.30		4.30
PULL #5	4.30	4.29		4.35
TOTAL	21.62	21.68		21.66
AVG.	4.324	4.322		4.332

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06498755
6 Jun 1990

CENTROIDAL DISTANCES

0 TO	1	.361581
1 TO	2	.162
1 TO	3	.649038
1 TO	4	.737473
1 TO	5	.523321

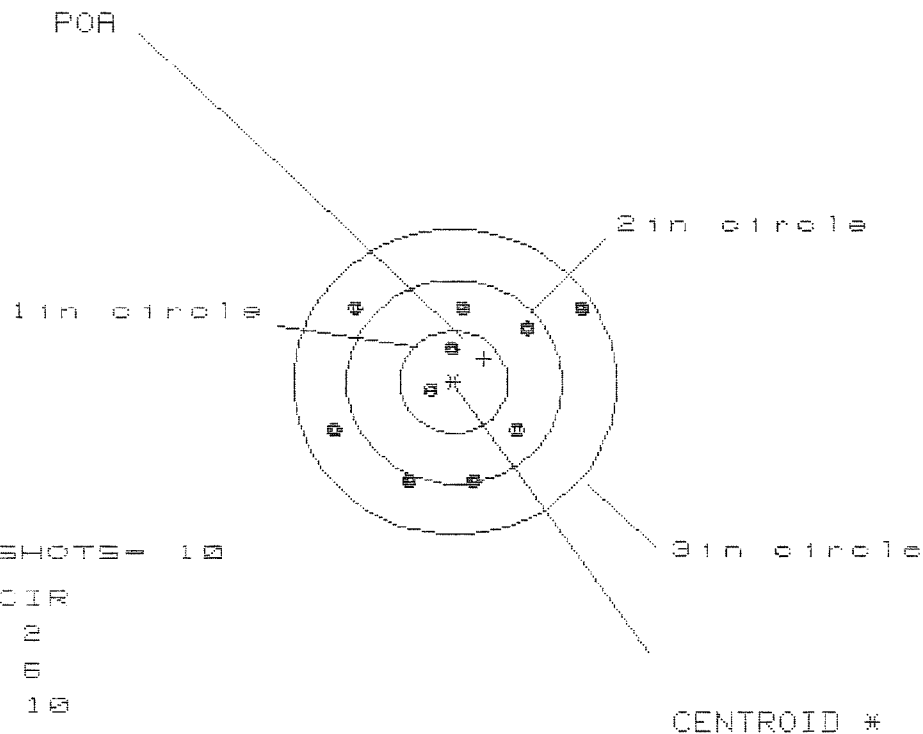
$\frac{3}{12} \times 54$ (----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0742
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0582
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0943021
THE AMR FOR THIS RIFLE IS: .8308

5 Jun 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6498755

CENTERFIRE PATTERNS # 1



OF SHOTS = 10

IN CIR

1 in = 2

2 in = 6

3 in = 10

HS = 2.314

VS = 1.718

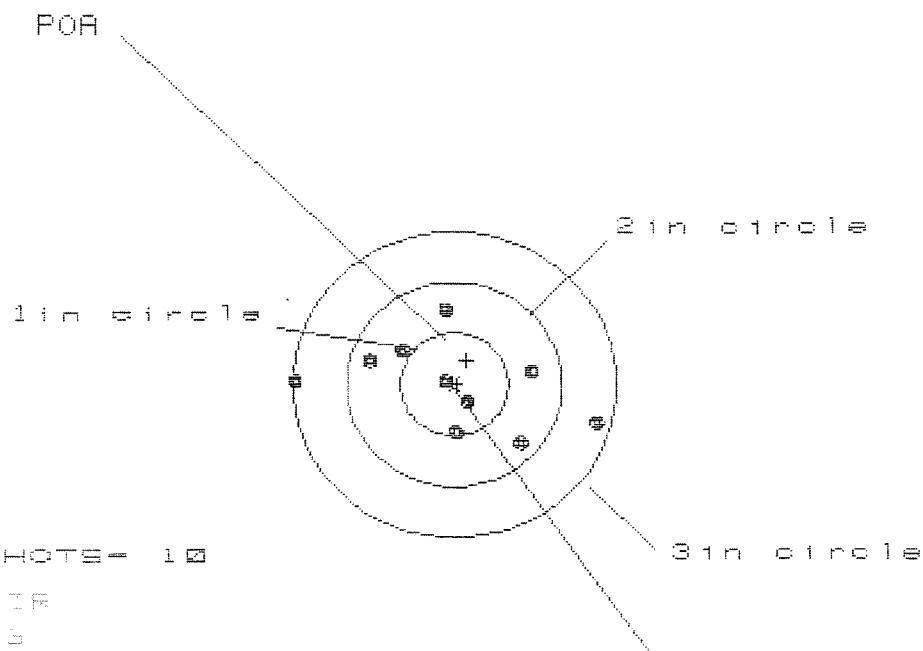
GS = 2.609

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.222	.791	.671
MINIMUM X	-1.092	-.956	-.877
MAXIMUM Y	.734	.802	.754
MINIMUM Y	-.984	-.903	-.952
CENTROID X	-.279	-.415	-.295
CENTROID Y	-.230	-.311	-.263
POA TO CENTROID in.	.362	.519	.395
MIN RADIUS	.257	.116	.235
MEAN RADIUS	.855	.783	.744
MAX RADIUS	1.425	1.077	1.133
HORIZONTAL SPREAD	2.314	1.747	1.548
VERTICAL SPREAD	1.718	1.705	1.705
EXTREME SPREAD	2.609	2.005	1.936
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	10		

5 Jun 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8498755

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1in = 3

2in = 8

3in = 10

HS= 2.782

VS= 1.249

GS= 2.810

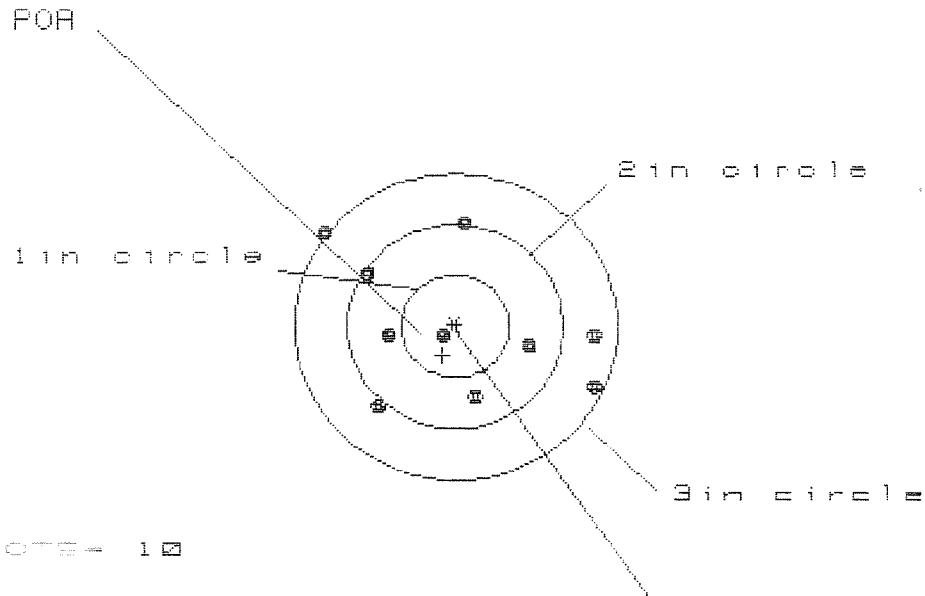
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.344	1.184	.737
MINIMUM X	:	-1.438	-.988	-.840
MAXIMUM Y	:	.692	.698	.656
MINIMUM Y	:	-.557	-.551	-.593
CENTROID X	:	-.117	.043	-.105
CENTROID Y	:	-.230	-.236	-.194
POA TO CENTROID in.	:	.258	.240	.221
MIN RADIUS	:	.059	.148	.068
MEAN RADIUS	:	.718	.647	.548
MAX RADIUS	:	1.439	1.231	.870
HORIZONTAL SPREAD	:	2.782	2.172	1.577
VERTICAL SPREAD	:	1.249	1.249	1.249
EXTREME SPREAD	:	2.810	2.249	1.678
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		10	

5 Jun 1998

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CENTERFIRE PATTERNS # 3



OF SHOTS = 10

IN

1in =

2in =

3in = 10

HS = 2.426

VS = 1.797

GS = 2.856

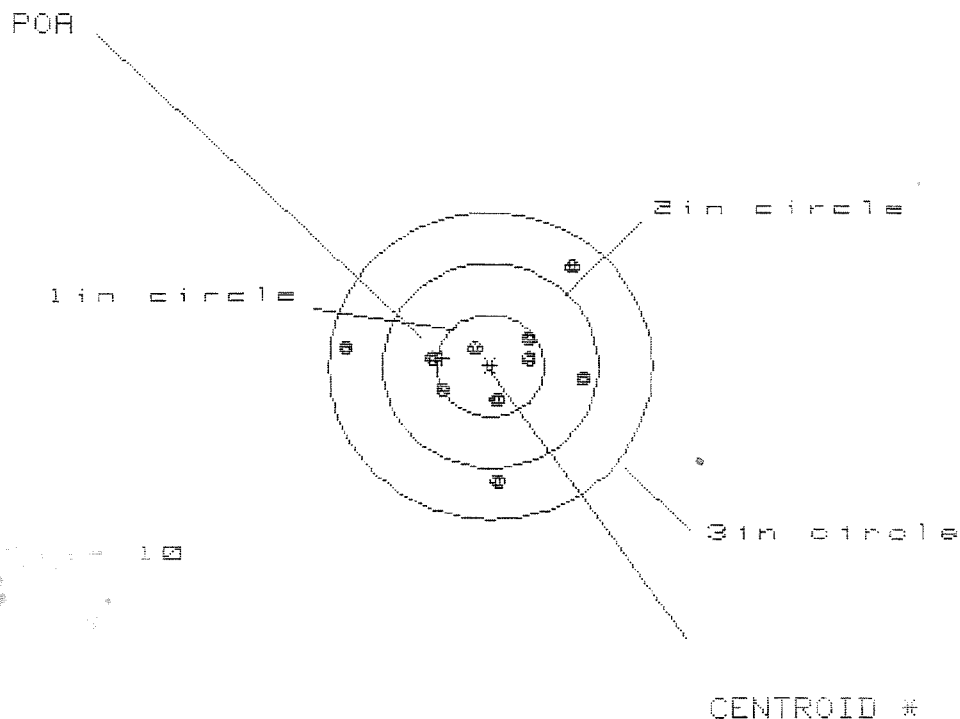
CENTROID *

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.259	1.129	1.257
MINIMUM X	:	-1.167	-.968	-.827
MAXIMUM Y	:	1.046	1.147	1.085
MINIMUM Y	:	-.751	-.650	-.712
CENTROID X	:	.116	.246	.105
CENTROID Y	:	.285	.184	.246
POA TO CENTROID in.	:	.308	.307	.267
MIN RADIUS	:	.123	.244	.100
MEAN RADIUS	:	.933	.869	.801
MAX RADIUS	:	1.480	1.233	1.258
HORIZONTAL SPREAD	:	2.426	2.097	2.084
VERTICAL SPREAD	:	1.797	1.797	1.797
EXTREME SPREAD	:	2.856	2.358	2.159
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		10	

5 Jun 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8498755

CENTERFIRE PATTERNS # 4



OF SHOTS = 10

IN

1in =

2in =

3in = 1

HS= 2.284

VS= 2.078

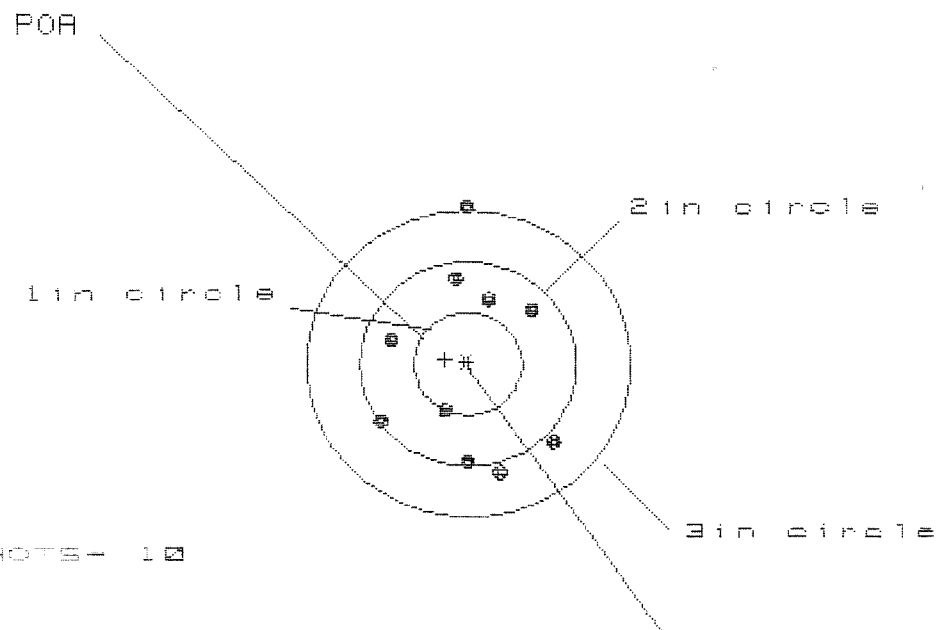
GS= 2.314

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.899	.745	.824
MINIMUM X	:	-1.385	-.690	-.611
MAXIMUM Y	:	.950	.965	.458
MINIMUM Y	:	-1.128	-1.113	-.993
CENTROID X	:	.442	.596	.517
CENTROID Y	:	-.075	-.090	-.210
POA TO CENTROID IN.	:	.448	.602	.558
MIN RADIUS	:	.259	.222	.179
MEAN RADIUS	:	.713	.631	.560
MAX RADIUS	:	1.391	1.151	.993
HORIZONTAL SPREAD	:	2.284	1.435	1.435
VERTICAL SPREAD	:	2.078	2.078	1.451
EXTREME SPREAD	:	2.314	2.201	1.490
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

5 Jun 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C649B755

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN C.

1 in = 0

2 in = 7

3 in = 8

HE= 1.888

VS= 2.601

GS= 2.627

CENTROID *

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.813	.809	.695
MINIMUM X	:	-.825	-.829	-.728
MAXIMUM Y	:	1.569	.997	.920
MINIMUM Y	:	-1.032	-.857	-.934
CENTROID X	:	.209	.213	.112
CENTROID Y	:	-.041	-.215	-.138
POA TO CENTROID in.	:	.213	.302	.177
MIN RADIUS	:	.520	.377	.391
MEAN RADIUS	:	.935	.848	.816
MAX RADIUS	:	1.570	1.018	1.027
HORIZONTAL SPREAD	:	1.638	1.638	1.423
VERTICAL SPREAD	:	2.601	1.854	1.854
EXTREME SPREAD	:	2.627	1.896	1.896
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	