

C6498771

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.

REG. U.S. PAT. & TM. OFF.

MODEL 700™ H24

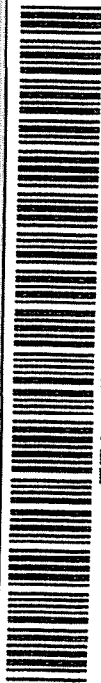
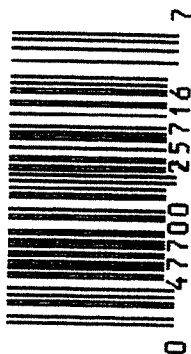
SERIAL NO.
C6498771

ORDER NO.
5716

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

Ø1

UPC



5716 C6498771

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6498771

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	5 2	90	RW
600	Proof	5 2	90	RW
607	Check Headspace	5 2	90	RW
610	Dis-assemble Gun	5 2		RW
612	Magnaflux Barrel Action	5-8-90		KCR
	Magnaflux Bolt	5-8-90		KCR
615	Rollmark Caliber		5/8/90	GB
617	Drill and Tap Sight Holes		5/9/90	FB
618	Polish Barrel AB		5/10/90	WB
620	Apply Coatings (Barrel Action)		5-16-90	TJA
	Apply Coating (Bolt)		5	TJA
625	Final Assembly			
	A) Clean inside of Bolt Assembly		5/18/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/18/90	RW
	C) Inspect Ejector Hole for Chamfer		5/18/90	RW
	D) Oil Firing Pin Ass'y		5/18/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		5/21/90	94

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4	4	3	3/4		5/21/90	WB
	G) Safety Off Force	2	2	2			5/21/90	WB
	H) Trigger Pull Test & Retainability						5/21/90	91
	I) Firing Pin Indent	.0235	.0235	.0235			5/21/90	WB
	J) Assemble Stock						5/21/90	RW
	K) Assemble Swivel Studs						24 May 90	928
	L) Attach Front and Rear Sight Assemblies						5/21/90	RW
	M) Iron Sight Alignment						5/21/90	RW
	N) Detach Front & Rear Sights & place in numbered container						5/21/90	RW
	O) Attach Scope to Rifle						5/21/90	WB
	P) Detach & Attach Scope 20 Times						5/21/90	WB
640	Gallery Target & Test						5-22-90	AC
	A) Time						5-22-90	AC
	B) Malfunctions						5-22-90	AC
	C) Pierced Primers						5-22-90	AC
	D) Optical Clarity of Scope						5-22-90	AC
645	Inspect for Live Ammo						5-22-90	AC
655	Final Inspection							
	A) Headspace						24 May 90	928
	B) Trigger Pull	244	243	242	241	262	24 May 90	928
	C) Function						24 May 90	928
660	Pack						6/19/90	DH

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. CC498771

DATE 5/21/90

TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.31	2.48	2.28	2.44	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.39	2.45	2.30	2.43	
PULL #3	2.40	2.35	2.31	2.42	
PULL #4	2.40	2.40	2.34	2.41	
PULL #5	2.55	2.31	2.32	2.42	
TOTAL	12.05	11.99	11.55		
AVG.	2.41	2.398	2.31		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.37	3.19		
PULL #2	3.39	3.26		
PULL #3	3.37	3.19		
PULL #4	3.37	3.19		
PULL #5	3.30	3.20		
TOTAL	12.80	16.03		
AVG.	2.56	3.206		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.12	4.47		4.40
PULL #2	4.06	4.39		4.43
PULL #3	4.46	4.42		4.41
PULL #4	4.36	4.41		4.40
PULL #5	4.36	4.42		4.38
TOTAL	21.34	22.11		22.02
AVG.	4.268	4.422		4.404

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6498771
23 May 1990

CENTROIDAL DISTANCES

0 TO	1	.203541
1 TO	2	.0752861
1 TO	3	.152778
1 TO	4	.358912
1 TO	5	.115603

49 <----POA

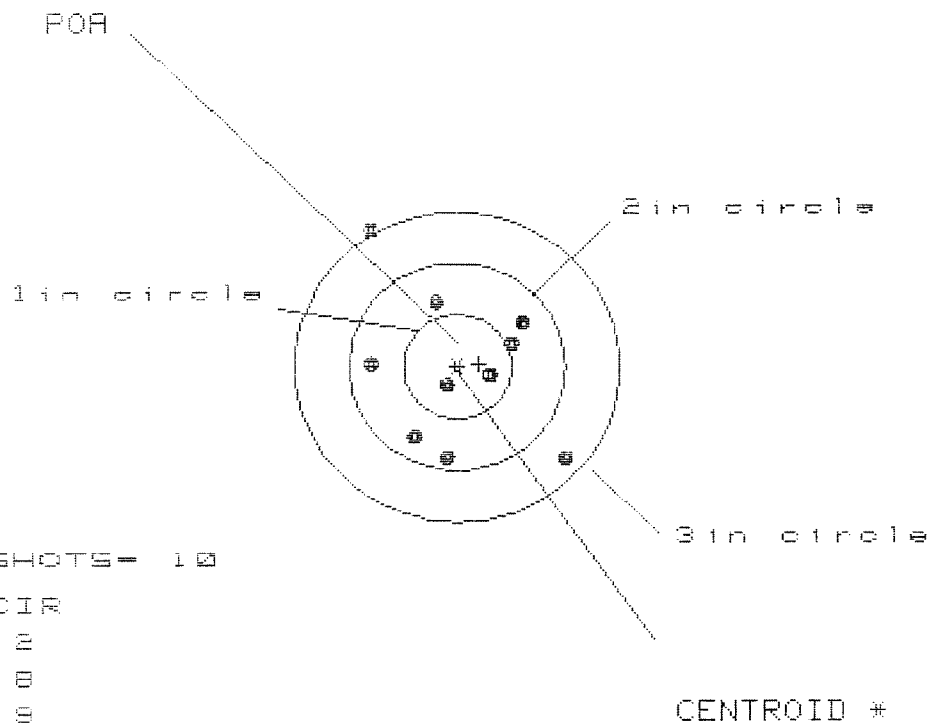
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0962
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.075
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .121981

THE AMR FOR THIS RIFLE IS: .8368

22 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8498771

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1in = 2

2in = 8

3in = 9

HS= 1.862

VS= 2.195

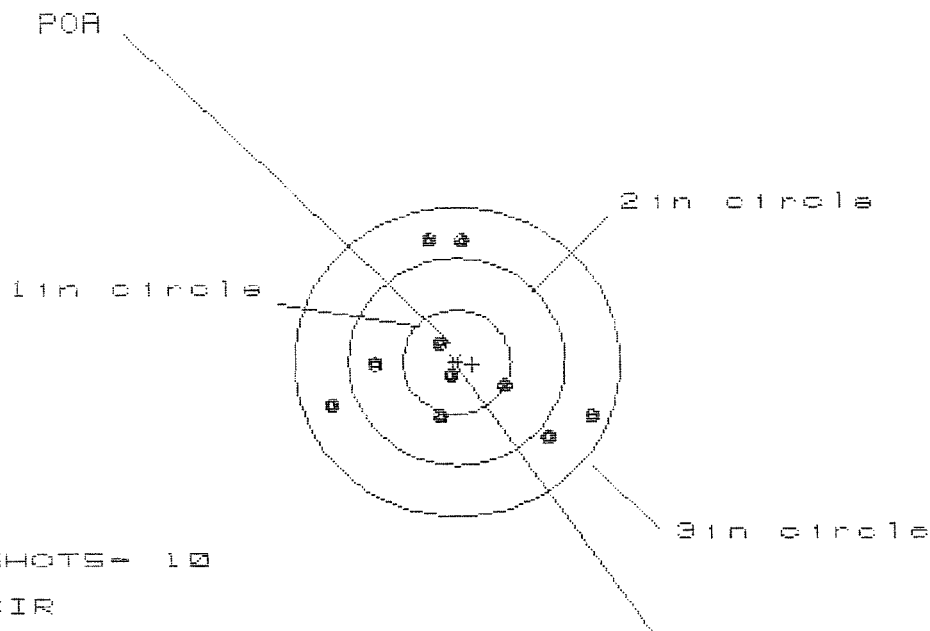
ES= 2.876

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.031	.939	.628
MINIMUM X	:	-.831	-.923	-.806
MAXIMUM Y	:	1.329	.773	.683
MINIMUM Y	:	-.866	-.719	-.775
CENTROID X	:	-.202	-.110	-.227
CENTROID Y	:	-.025	-.172	-.082
POA TO CENTROID in.	:	.203	.204	.241
MIN RADIUS	:	.203	.226	.145
MEAN RADIUS	:	.785	.685	.613
MAX RADIUS	:	1.566	1.182	.810
HORIZONTAL SPREAD	:	1.862	1.862	1.434
VERTICAL SPREAD	:	2.195	1.492	1.458
EXTREME SPREAD	:	2.876	2.065	1.483
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		9	

22 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/CS496771

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1in = 3

2in = 5

3in = 10

HS= 2.477

VS= 1.914

GS= 2.477

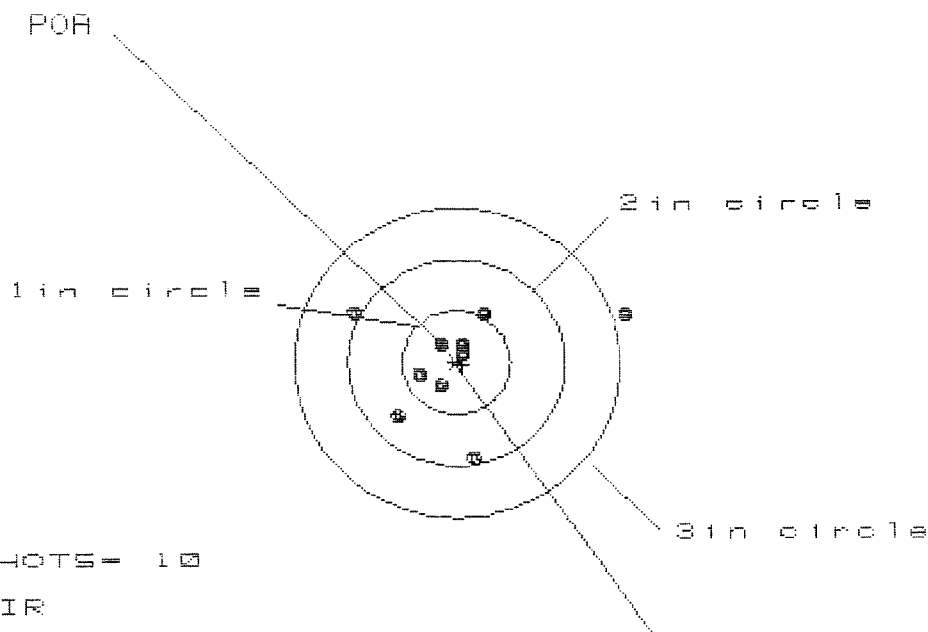
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.281	.942	.810
MINIMUM X	:	-1.196	-1.053	-.788
MAXIMUM Y	:	1.216	1.161	1.098
MINIMUM Y	:	-.698	-.753	-.816
CENTROID X	:	-.144	-.286	-.154
CENTROID Y	:	.023	.078	.141
POA TO CENTROID in.	:	.145	.296	.209
MIN RADIUS	:	.168	.099	.123
MEAN RADIUS	:	.829	.761	.714
MAX RADIUS	:	1.373	1.206	1.150
HORIZONTAL SPREAD	:	2.477	1.995	1.598
VERTICAL SPREAD	:	1.914	1.914	1.914
EXTREME SPREAD	:	2.477	2.144	2.144
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		10	

22 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06498771

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1 in = 5

2 in = 8

3 in = 9

HS= 2.557

VS= 1.387

GS= 2.558

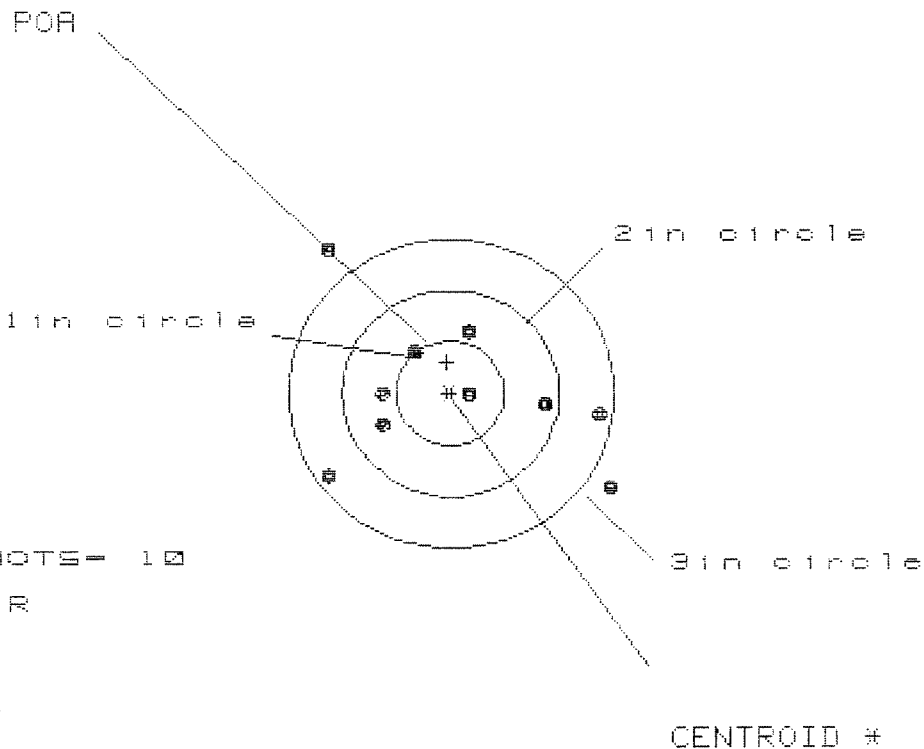
CENTROID #

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.583	.415	.316
MINIMUM X	:	-.974	-.798	-.462
MAXIMUM Y	:	.516	.502	.564
MINIMUM Y	:	-.871	-.814	-.751
CENTROID X	:	-.056	-.232	-.133
CENTROID Y	:	.020	-.037	-.100
POA TO CENTROID in.	:	.060	.235	.166
MIN RADIUS	:	.138	.167	.146
MEAN RADIUS	:	.602	.475	.412
MAX RADIUS	:	1.665	.943	.781
HORIZONTAL SPREAD	:	2.557	1.213	.778
VERTICAL SPREAD	:	1.387	1.316	1.315
EXTREME SPREAD	:	2.558	1.724	1.319
NUMBER IN ONE INCH CIRCLE =			5	
NUMBER IN TWO INCH CIRCLE =			8	
NUMBER IN THREE INCH CIRCLE =			9	

22 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6498771

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in = 1

2in = 6

3in = 8

HS= 2.645

VS= 2.301

GS= 3.477

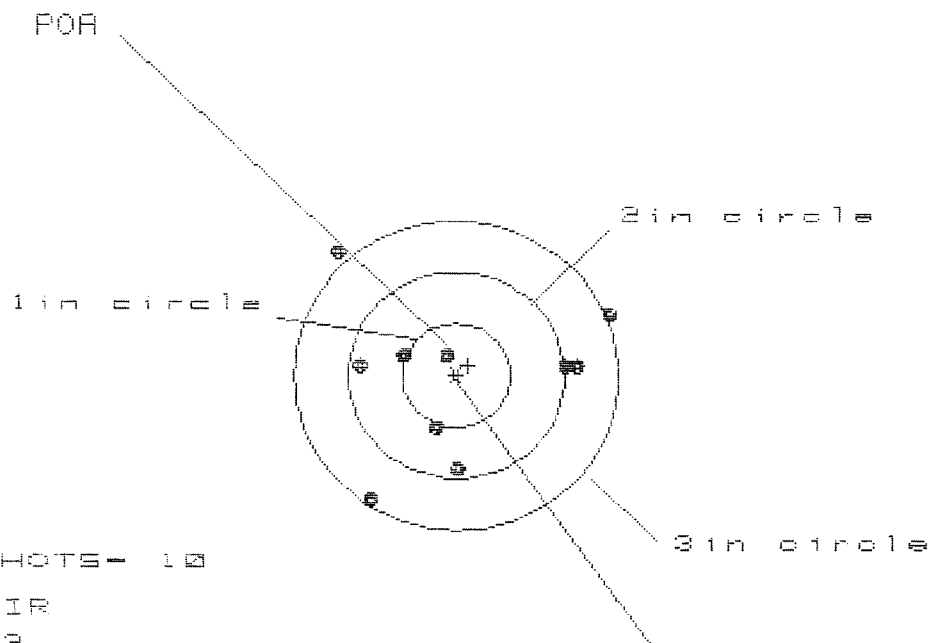
CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.465	1.339	1.399
MINIMUM X	:	-1.180	-1.306	-1.139
MAXIMUM Y	:	1.388	.725	.630
MINIMUM Y	:	-.913	-.758	-.768
CENTROID X	:	.031	.157	-.010
CENTROID Y	:	-.298	-.453	-.358
FOR TO CENTROID in.	:	.300	.479	.358
MIN RADIUS	:	.151	.164	.203
MEAN RADIUS	:	.984	.908	.796
MAX RADIUS	:	1.797	1.538	1.406
HORIZONTAL SPREAD	:	2.645	2.645	2.538
VERTICAL SPREAD	:	2.301	1.483	1.398
EXTREME SPREAD	:	3.477	2.646	2.615
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		8	

22 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06498771

CENTERFIRE PATTERNS # 5



OF SHOTS - 10

IN 1" CIR

1" = 2

2" = 5

3" = 8

HS = 0.440

VS = 0.442

GS = 0.866

CENTROID #

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.382	1.264	1.185
MINIMUM X	:	-1.066	-1.048	-0.890
MAXIMUM Y	:	1.215	.769	.451
MINIMUM Y	:	-1.227	-1.092	-0.996
CENTROID X	:	-.110	.008	-.150
CENTROID Y	:	-.095	-.230	-.326
POA TO CENTROID in.	:	.146	.230	.359
MIN RADIUS	:	.243	.418	.269
MEAN RADIUS	:	.984	.916	.815
MAX RADIUS	:	1.616	1.480	1.251
HORIZONTAL SPREAD	:	2.448	2.312	2.075
VERTICAL SPREAD	:	2.442	1.861	1.447
EXTREME SPREAD	:	2.866	2.866	2.342
NUMBER IN ONE INCH CIRCLE =			2	
NUMBER IN TWO INCH CIRCLE =			5	
NUMBER IN THREE INCH CIRCLE =			8	