

C6611708

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. C6611708
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat & Tm. Off, Marca Registrada Marque Deposee.		ORDER NO. 5716



5716 C6611708



CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6611708

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	3 28	9 1	RW
600	Proof	3 28	9 1	RW
607	Check Headspace	3 28	9 1	RW
610	Dis-assemble Gun	3 28	9 1	RW
612	Magnaflux Barrel Action	APR	2 1991	KR
	Magnaflux Bolt	APR	2 1991	U
615	Rollmark Caliber	APR	2 1991	JS
617	Drill and Tap Sight Holes	APR	5 1991	FB
618	Polish Barrel	APR	5 1991	WB
620	Apply Coatings (Barrel Action)		4-9-91	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		4/10/91	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		4/10/91	RW
	C) Inspect Ejector Hole for Chamfer		4/10/91	RW
	D) Oil Firing Pin Ass'y		4/10/91	RW
	E) Adjust Trigger Pull to Min Setting and Stake		4/24/91	JS

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			4/29/91	JH
	G) Safety Off Force	4	4	4			4/29/91	JH
	H) Trigger Pull Test & Retainability						4/24/91	JH
	I) Firing Pin Indent	.0225	.023	.023			4/29/91	JH
	J) Assemble Stock						4/29/91	RW
	K) Assemble Swivel Studs						5-13-91	D/H
	L) Attach Front and Rear Sight Assemblies						4/29/91	RW
	M) Iron Sight Alignment						4/29/91	RW
	N) Detach Front & Rear Sights & place in numbered container						4/29/91	RW
	O) Attach Scope to Rifle						4/29/91	RW
	P) Detach & Attach Scope 20 Times						4/29/91	RW
640	Gallery Target & Test						4-29-91	NF
	A) Time						"	NF
	B) Malfunctions						"	NF
	C) Pierced Primers						"	NF
	D) Optical Clarity of Scope						"	NF
645	Inspect for Live Ammo						4-29-91	NF
655	Final Inspection							
	A) Headspace						5/13/91	D/H
	B) Trigger Pull	2.55	2.56	2.54	2.60	2.60	5/10/91	JH
	C) Function						5-13-91	D/H
660	Pack						6-18-91	NF

MOD. _____ GA. CAL. _____ GUN # 1708

#	DATE	MALFUNCTION/DEFECT	ASSEM. #
NF	1st		
	4/29	check Safe	RW
	2nd		
	4/30	fixed Stock Bench Check <u>OK</u>	RW
	3rd		
	4th		
		FUNCTION	RD 6654 Rev 1

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. 06611708

DATE 4/24/91

TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.30	2.29	2.33	2.55	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.35	2.27	2.30	2.56	
PULL #3	2.35	2.31	2.28	2.54	
PULL #4	2.30	2.36	2.39	2.60	
PULL #5	2.27	2.28	2.40	2.60	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.43	3.24		
PULL #2	3.35	3.20		
PULL #3	3.33	3.17		
PULL #4	3.32	3.19		
PULL #5	3.30	3.25		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.26	4.24		4.36
PULL #2	4.16	4.26		4.36
PULL #3	4.23	4.40		4.31
PULL #4	4.24	4.35		4.28
PULL #5	4.33	4.29		4.26
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6611708
29 Apr 1991

CENTROIDAL DISTANCES

0 TO	1	.276525
1 TO	2	.425339
1 TO	3	.126127
1 TO	4	.250793
1 TO	5	.430081

 (----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.104
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.092
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .138852
THE AMR FOR THIS RIFLE IS: .7644

29 Apr 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8611700

CENTERFIRE PATTERNS # 1

POA

1in circle

2in circle

3in circle

OF SHOTS = 10

IN CIR

1in = 4

2in = 7

3in = 10

HS = 2.354

VS = 1.975

GS = 2.535

CENTROID *

PATTERN # :

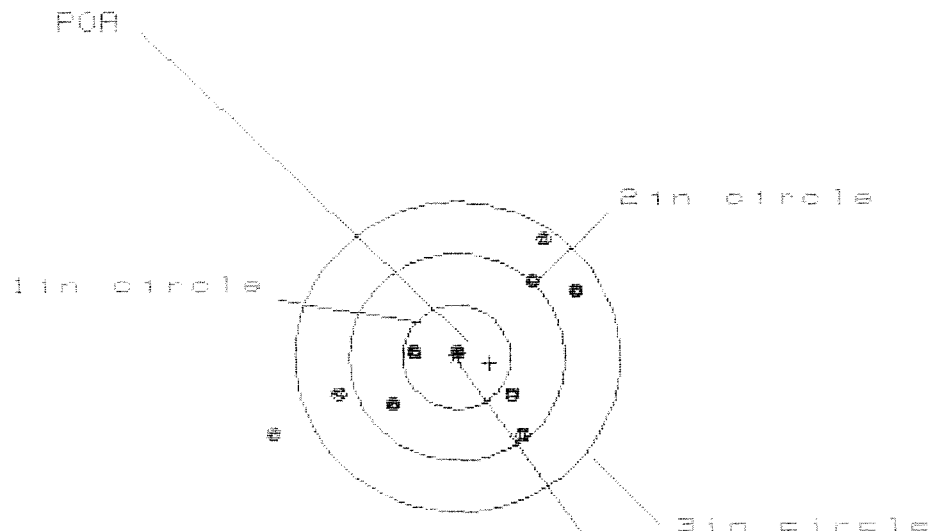
1

SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.321	1.279	.750
MINIMUM X	-1.033	-1.075	-.915
MAXIMUM Y	1.381	.765	.827
MINIMUM Y	-.595	-.441	-.379
CENTROID X	-.029	.013	-.147
CENTROID Y	-.275	-.428	-.490
POA TO CENTROID in.	.276	.428	.512
MIN RADIUS	.099	.235	.226
MEAN RADIUS	.748	.652	.534
MAX RADIUS	1.432	1.373	.990
HORIZONTAL SPREAD	2.354	2.354	1.665
VERTICAL SPREAD	1.975	1.206	1.206
EXTREME SPREAD	2.535	2.535	1.672
NUMBER IN ONE INCH CIRCLE =		4	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		10	

28 Apr 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C9611700

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1in = 2

2in = 6

3in = 8

HS= 0.725

VS= 1.939

GS= 3.130

PATTERN #	2
SHOTS (BEST OF)	10
MAXIMUM X	1.060
MINIMUM X	-1.665
MAXIMUM Y	1.181
MINIMUM Y	-0.758
CENTROID X	-0.301
CENTROID Y	0.052
POA TO CENTROID in.	0.305
MIN RADIUS	0.059
MEAN RADIUS	0.936
MAX RADIUS	1.812
HORIZONTAL SPREAD	2.725
VERTICAL SPREAD	1.939
EXTREME SPREAD	3.130
NUMBER IN ONE INCH CIRCLE	2
NUMBER IN TWO INCH CIRCLE	6
NUMBER IN THREE INCH CIRCLE	8

29 Apr 1991

FILE:/PATTERNING/CENTERFIRE_PATT/CGB11780

CENTERFIRE PATTERNS # 3

POA

1in circle

2in circle

3in circle

OF SHOTS = 10

IN CIR

1in = 3

2in = 7

3in = 9

HS = 1.921

VS = 2.270

GS = 2.506

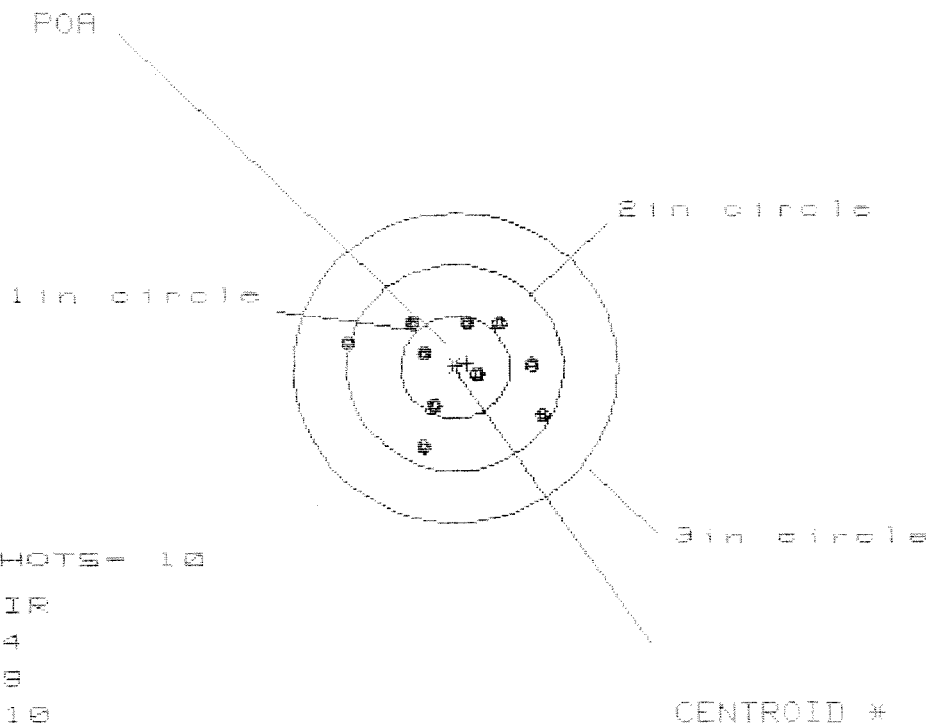
CENTROID #

PATTERN #	3
SHOTS (BEST OF)	10
MAXIMUM X	1.053
MINIMUM X	-.868
MAXIMUM Y	1.081
MINIMUM Y	-1.189
CENTROID X	.083
CENTROID Y	-.333
POA TO CENTROID in.	.343
MIN RADIUS	.326
MEAN RADIUS	.791
MAX RADIUS	1.588
HORIZONTAL SPREAD	1.921
VERTICAL SPREAD	2.270
EXTREME SPREAD	2.506
NUMBER IN ONE INCH CIRCLE =	3
NUMBER IN TWO INCH CIRCLE =	7
NUMBER IN THREE INCH CIRCLE =	9

29 Apr 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8611708

CENTERFIRE PATTERNS # 4



OF SHOTS = 10

IN CIR

1 in = 4

2 in = 9

3 in = 10

HS = 1.879

VS = 1.235

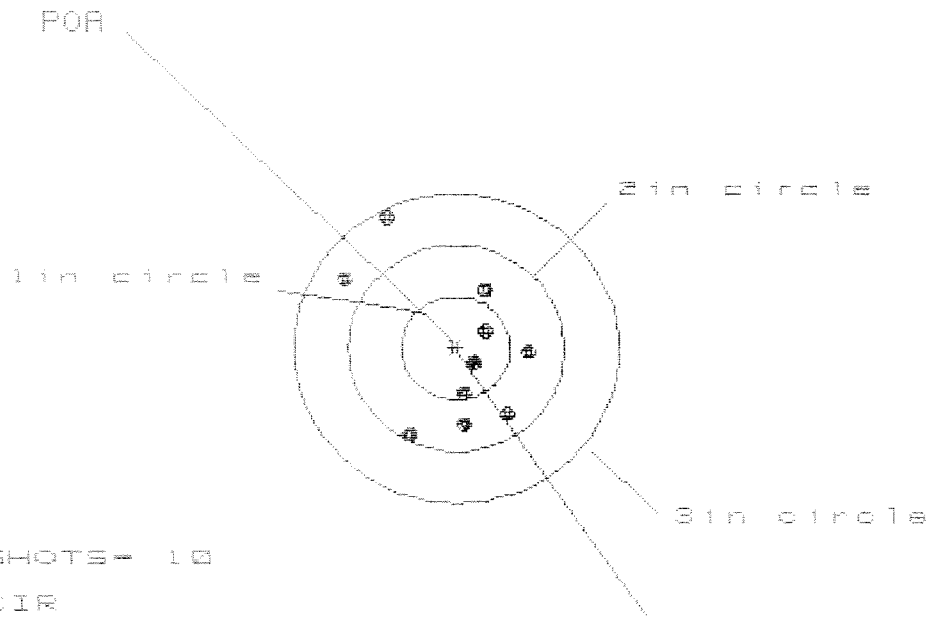
GS = 2.000

PATTERN #	1	4	9	8
SHOTS (BEST OF)	10	9	9	8
MAXIMUM X	.841	.726	.653	.653
MINIMUM X	-1.038	-.467	-.377	-.377
MAXIMUM Y	.459	.480	.420	.420
MINIMUM Y	-.776	-.755	-.815	-.815
CENTROID X	-.105	.010	-.000	-.000
CENTROID Y	-.036	-.057	.000	.000
POA TO CENTROID IN.	.111	.058	.000	.000
MIN RADIUS	.186	.077	.186	.186
MEAN RADIUS	.606	.547	.499	.499
MAX RADIUS	1.056	.883	.895	.895
HORIZONTAL SPREAD	1.879	1.193	1.036	1.036
VERTICAL SPREAD	1.235	1.235	1.235	1.235
EXTREME SPREAD	2.006	1.499	1.410	1.410
NUMBER IN ONE INCH CIRCLE =		4		
NUMBER IN TWO INCH CIRCLE =		9		
NUMBER IN THREE INCH CIRCLE =		10		

29 Apr 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8B11788

CENTERFIRE PATTERNS # 5



OF SHOTS = 10

IN CIR

1 in = 3

2 in = 8

3 in = 10

HS = 1.715

VS = 2.084

QS = 2.186

PATTERN #	5
SHOTS (BEST OF)	10
MAXIMUM X	.691
MINIMUM X	-1.024
MAXIMUM Y	1.287
MINIMUM Y	-.797
CENTROID X	-.168
CENTROID Y	.132
POA TO CENTROID in.	.214
MIN RADIUS	.176
MEAN RADIUS	.741
MAX RADIUS	1.426
HORIZONTAL SPREAD	1.715
VERTICAL SPREAD	2.084
EXTREME SPREAD	2.186
NUMBER IN ONE INCH CIRCLE =	3
NUMBER IN TWO INCH CIRCLE =	8
NUMBER IN THREE INCH CIRCLE =	10