

C6611394

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

Remington



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

MODEL 700™ H24

SERIAL NO.

C6611394

ORDER NO.

5716

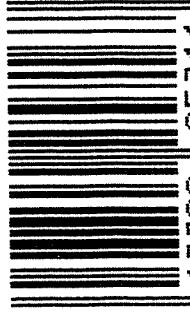
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.

20



5716 C6611394

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6611394

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	K.B.
	Magnaflux Bolt	APR	2 1991	(1)
615	Rollmark Caliber	APR	2 1991	LB
617	Drill and Tap Sight Holes	APR	5 1991	LB
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		4/16/91	Rw
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		4/16/91	Rw
	C) Inspect Ejector Hole for Chamfer		4/16/91	Rw
	D) Oil Firing Pin Ass'y		4/16/91	Rw
	E) Adjust Trigger Pull to Min Setting and Stake		5/2/91	JA

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	8	8	8			5-2-91	D/H
	G) Safety Off Force	3	3	3			5-2-91	D/H
	H) Trigger Pull Test & Retainability						5/2/91	JY
	I) Firing Pin Indent	.022	.023	.023			5-2-91	D/H
	J) Assemble Stock						5/10/91	Rw
	K) Assemble Swivel Studs						5-2-91	D/H
	L) Attach Front and Rear Sight Assemblies						5/10/91	Rw
	M) Iron Sight Alignment						5/10/91	Rw
	N) Detach Front & Rear Sights & place in numbered container						5/10/91	Rw
	O) Attach Scope to Rifle						5/10/91	Rw
	P) Detach & Attach Scope 20 Times						5/10/91	Rw
640	Gallery Target & Test						5-13-91	AC
	A) Time						5-13-91	AC
	B) Malfunctions						5-13-91	AC
	C) Pierced Primers						5-13-91	AC
	D) Optical Clarity of Scope						5-13-91	AC
645	Inspect for Live Ammo						5-13-91	AC
655	Final Inspection							
	A) Headspace						5-20-91	D/H
	B) Trigger Pull	2.66	2.67	2.69	2.55	2.70	5/20/91	JY
	C) Function						5-20-91	D/H
660	Pack						6-18-91	NF

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C-6611394

DATE 5/2/91

TESTER JU

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.35	2.51	2.48	2.66	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.49	2.46	2.45	2.67	
PULL #3	2.48	2.47	2.38	2.69	
PULL #4	2.45	2.47	2.35	2.65	
PULL #5	2.49	2.45	2.40	2.70	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.37	3.39		
PULL #2	3.38	3.39		
PULL #3	3.42	3.42		
PULL #4	3.16	3.44		
PULL #5	3.39	3.48		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.24	4.25		4.21
PULL #2	4.22	4.25		4.30
PULL #3	4.32	4.18		4.35
PULL #4	4.27	4.34		4.31
PULL #5	4.24	4.43		4.40
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6611394
13 May 1991

CENTROIDAL DISTANCES

0 TO	1	.0601082
1 TO	2	.101124
1 TO	3	.171213
1 TO	4	.30761
1 TO	5	.543244

54 ~~7~~ <-----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.1002
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0362
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .106744
THE AMR FOR THIS RIFLE IS: .2854

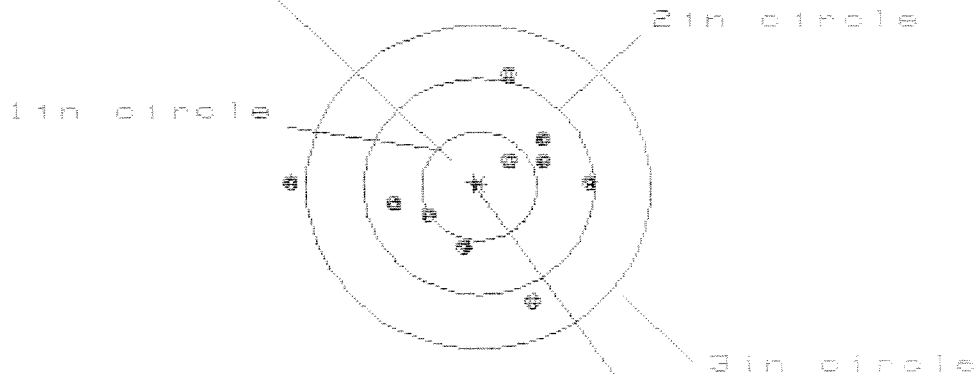
13 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611394

CENTERFIRE PATTERNS

1

POR



OF SHOTS = 10

IN CIR

1in = 2

2in = 7

3in = 9

HS = 2.547

VS = 2.064

GS = 2.548

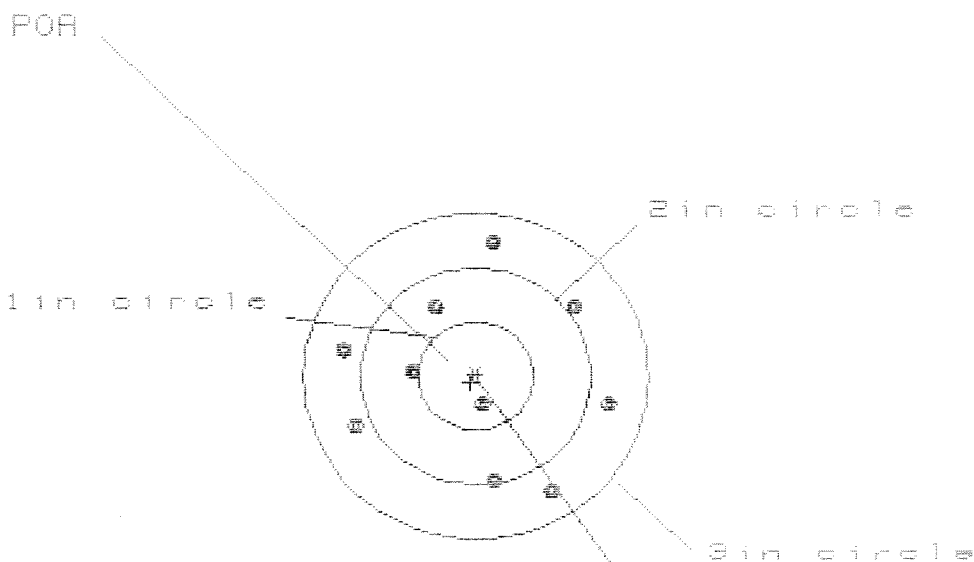
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.989	.727	.763
MINIMUM X	-1.638	-.958	-.922
MAXIMUM Y	1.002	1.010	.878
MINIMUM Y	-1.062	-1.054	-.703
CENTROID X	.042	.224	.188
CENTROID Y	-.043	-.051	.081
POR TO CENTROID in.	.060	.230	.205
MIN RADIUS	.381	.269	.189
MEAN RADIUS	.830	.712	.647
MAX RADIUS	1.639	1.092	.957
HORIZONTAL SPREAD	2.547	1.685	1.685
VERTICAL SPREAD	2.064	2.064	1.581
EXTREME SPREAD	2.548	2.078	1.691
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	9		

13 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8611394

CENTERFIRE PATTERNS # 2



OF SHOTS = 10

IN CIR

1in = 1

2in = 4

3in = 10

HS = 2.281

VS = 2.295

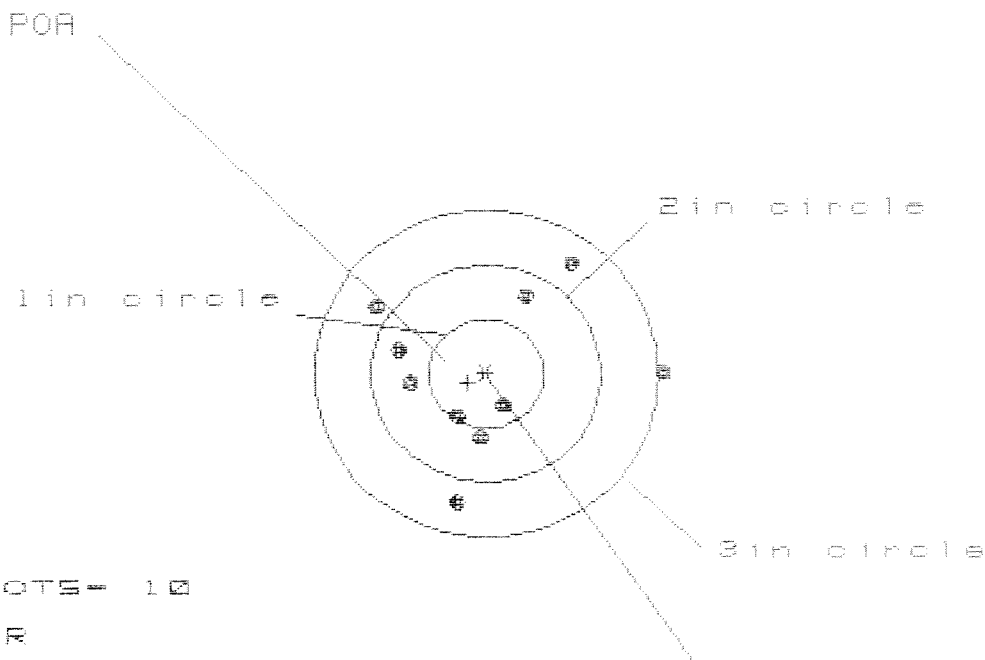
GS = 2.353

PATTERN #	2	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.150	1.169	1.258
MINIMUM X	-1.131	-1.112	-1.023
MAXIMUM Y	1.284	.827	.719
MINIMUM Y	-1.010	-.868	-.913
CENTROID X	.047	.028	-.061
CENTROID Y	.058	-.085	.023
POA TO CENTROID in.	.074	.090	.066
MIN RADIUS	.226	.100	.241
MEAN RADIUS	.956	.898	.865
MAX RADIUS	1.296	1.182	1.277
HORIZONTAL SPREAD	2.281	2.281	2.281
VERTICAL SPREAD	2.295	1.695	1.632
EXTREME SPREAD	2.353	2.326	2.326
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	10		

13 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8611394

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1in = 2

2in = 6

3in = 9

HS= 2.437

VS= 2.217

GS= 2.510

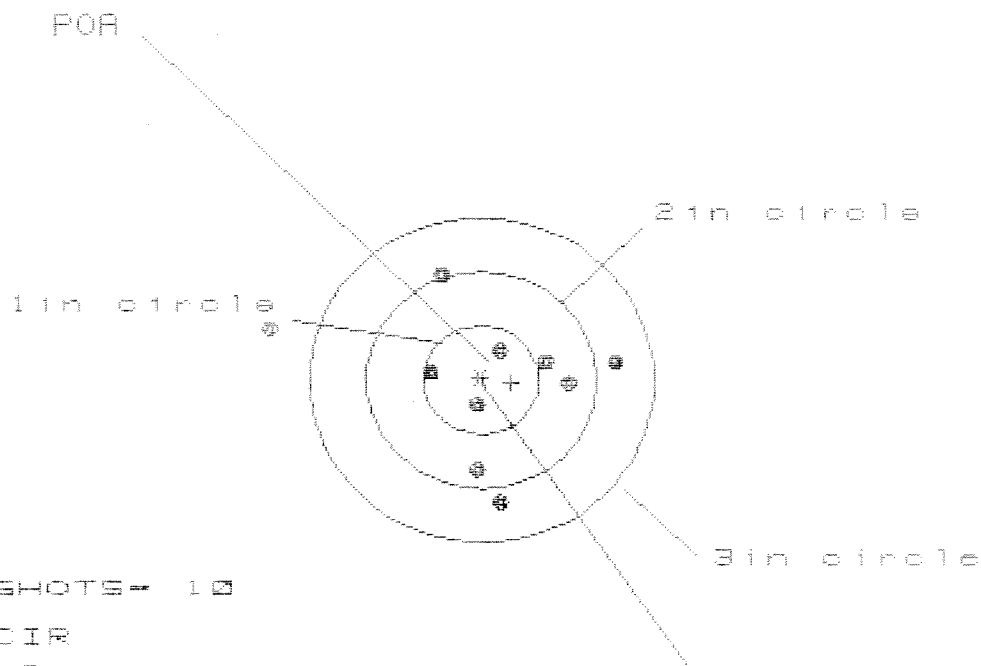
CENTROID *

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.510	.956	.624
MINIMUM X	:	-.918	-.750	-.630
MAXIMUM Y	:	1.010	1.010	.813
MINIMUM Y	:	-1.207	-1.207	-1.081
CENTROID X	:	.159	-.009	-.129
CENTROID Y	:	.082	.082	-.044
POA TO CENTROID in.	:	.179	.083	.136
MIN RADIUS	:	.336	.411	.289
MEAN RADIUS	:	.864	.764	.652
MAX RADIUS	:	1.519	1.391	1.083
HORIZONTAL SPREAD	:	2.437	1.706	1.254
VERTICAL SPREAD	:	2.217	2.217	1.894
EXTREME SPREAD	:	2.510	2.438	1.976
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

13 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611394

CENTERFIRE PATTERNS # 4



OF SHOTS - 10

IN CIR

1in = 3

2in = 6

3in = 9

HS= 2.930

VS= 2.061

GS= 2.943

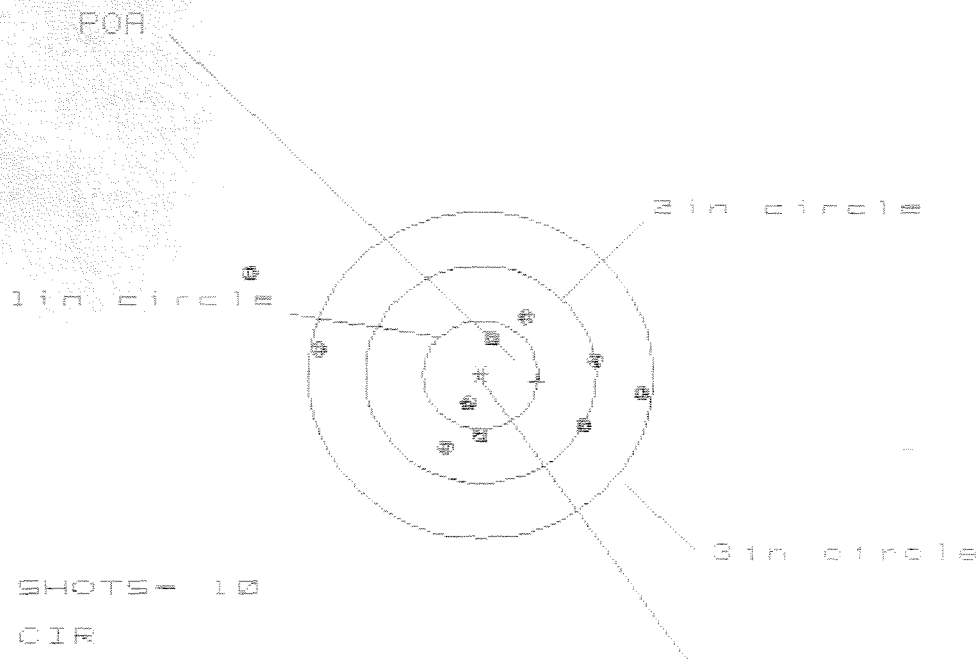
CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	4.135	.935	.625
MINIMUM X	:	-1.795	-.668	-.551
MAXIMUM Y	:	.981	1.030	1.057
MINIMUM Y	:	-1.080	-1.031	-1.004
CENTROID X	:	-.258	-.058	-.175
CENTROID Y	:	.025	-.023	-.050
POA TO CENTROID in.	:	.259	.063	.182
MIN RADIUS	:	.231	.288	.187
MEAN RADIUS	:	.822	.686	.644
MAX RADIUS	:	1.848	1.159	1.135
HORIZONTAL SPREAD	:	2.930	1.603	1.176
VERTICAL SPREAD	:	2.061	2.061	2.061
EXTREME SPREAD	:	2.943	2.111	2.111
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

13 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611384

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1in = 2

2in = 6

3in = 9

HS= 3.442

VS= 1.628

GS= 3.629

CENTROID #

PATTERN #	5
SHOTS (BEST OF)	10
MAXIMUM X	1.439
MINIMUM X	-2.003
MAXIMUM Y	.966
MINIMUM Y	-.662
CENTROID X	-.491
CENTROID Y	.062
POA TO CENTROID in.	.495
MIN RADIUS	.284
MEAN RADIUS	.955
MAX RADIUS	2.224
HORIZONTAL SPREAD	3.442
VERTICAL SPREAD	1.628
EXTREME SPREAD	3.629
NUMBER IN ONE INCH CIRCLE =	2
NUMBER IN TWO INCH CIRCLE =	6
NUMBER IN THREE INCH CIRCLE =	9