

FORM

UPC



0 47700 25716 2

C6649169

CAPACITY*
*INCLUDES 1 IN CHAMBER

M2400065672

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
WINNER V. REMINGTON

MODEL 700 TM M24

ORDER NO.

5716

BARREL LENGTH

Remington



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

MODEL 700 TM M24

SERIAL NO.

C6649169

ORDER NO.

5716

20

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



5716 C6649169

ORDER 5716

MODEL 700 TM M24

UPC

ORDER 5716

MODEL 700 TM M24

UPC



0 47700 25716 7



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GFM

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6649169

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	9 26	91	Rw
600	Proof	9 26	91	Rw
607	Check Headspace	9 26	91	Rw
610	Dis-assemble Gun		26 91	Rw
612	Magnaflux Barrel Action		SEP 30 1991	KR
	Magnaflux Bolt		SEP 30 1991	KR
615	Rollmark Caliber		SEP 30 1991	LS
617	Drill and Tap Sight Holes		SEP 30 1991	FB
618	Polish Barrel		OCT 2 1991	WB
620	Apply Coatings (Barrel Action)		10-13-91	TA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		10/18/91	Rw
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		10/18/91	Rw
	C) Inspect Ejector Hole for Chamfer		10/18/91	Rw
	D) Oil Firing Pin Ass'y		10/18/91	Rw
	E) Adjust Trigger Pull to Min Setting and Stake		11/18/91	JA

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4 $\frac{3}{4}$	4 $\frac{3}{4}$	5			11-18-91	DH
	G) Safety Off Force	2 $\frac{1}{2}$	3	2 $\frac{1}{2}$			11-18-91	DH
	H) Trigger Pull Test & Retainability						11/18/91	DH
	I) Firing Pin Indent	.020	.020	.020			11-18-91	DH
	J) Assemble Stock						11/19/91	RW
	K) Assemble Swivel Studs						11-22-91	DH
	L) Attach Front and Rear Sight Assemblies						11/19/91	RW
	M) Iron Sight Alignment						11/19/91	RW
	N) Detach Front & Rear Sights & place in numbered container						11/19/91	RW
	O) Attach Scope to Rifle						11/19/91	RW
	P) Detach & Attach Scope 20 Times						11/19/91	RW
640	Gallery Target & Test						11-20-91	DH
	A) Time						11-20-91	DH
	B) Malfunctions						11-20-91	DH
	C) Pierced Primers						11-20-91	DH
	D) Optical Clarity of Scope						11-20-91	DH
645	Inspect for Live Ammo						11-20-91	DH
655	Final Inspection							
	A) Headspace						11-27-91	DH
	B) Trigger Pull	2.69	2.63	2.68	2.73	2.80	11-20-91	DH
	C) Function						11-22-91	DH
660	Pack						12-19-91	AF

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS
2.50# ± .50#
3.00# ± .75#
4.00# ± 1.00#

SERIAL NO. C-6649169

DATE 11-18-91

TESTER JL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.22	2.61	2.60	2.69	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.61	2.57	2.58	2.63	
PULL #3	2.63	2.61	2.44	2.68	
PULL #4	2.58	2.61	2.65	2.73	
PULL #5	2.68	2.57	2.61	2.80	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.59	3.31		
PULL #2	3.65	3.24		
PULL #3	3.37	3.52		
PULL #4	3.23	3.59		
PULL #5	3.26	3.62		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.31	4.34		4.36
PULL #2	4.19	4.34		4.34
PULL #3	4.33	4.20		4.42
PULL #4	4.35	4.43		4.34
PULL #5	4.36	4.36		4.33
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6649169
20 Nov 1991

CENTROIDAL DISTANCES

0 TO 1	.136971
1 TO 2	.47798
1 TO 3	.336476
1 TO 4	.204502
1 TO 5	.147258

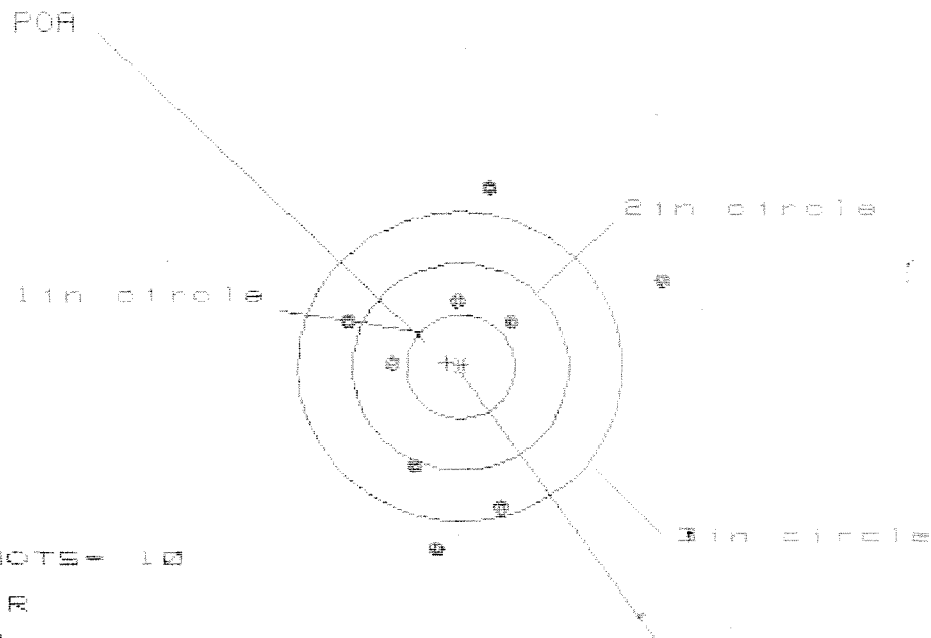
$\bar{x}$ ----- FOR

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0212
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0712
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .071068
THE ANR FOR THIS RIFLE IS: .9828

29 Nov 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8B49169

CENTERFIRE PATTERNS # 1



OF SHOTS = 10

IN CIR

1in = 0

2in = 4

3in = 7

HS = 2.954

VS = 3.429

GS = 3.461

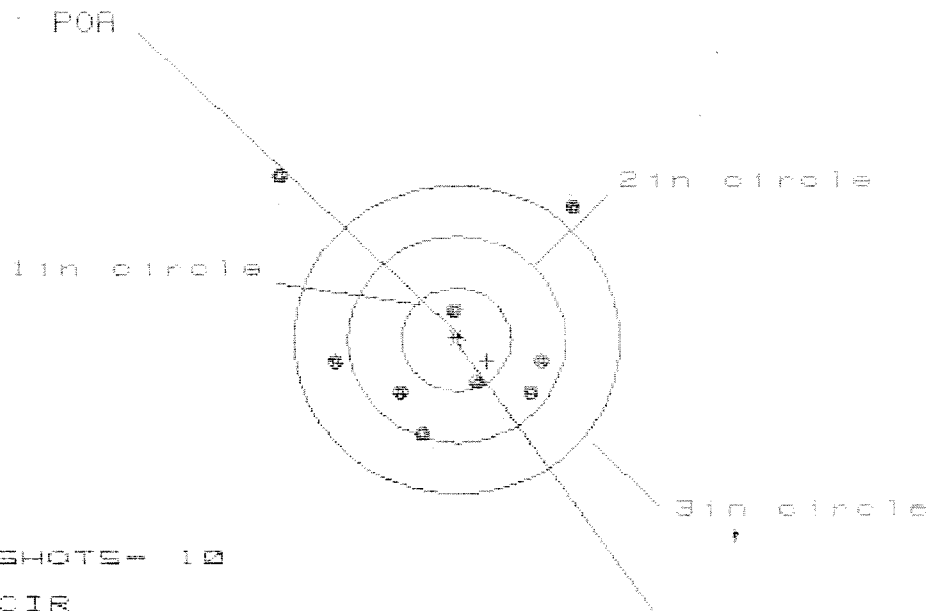
CENTROID #

PATTERN #	:	1	2	3
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.917	.668	.667
MINIMUM X	:	-1.047	-.834	-.835
MAXIMUM Y	:	1.699	1.791	1.587
MINIMUM Y	:	-1.730	-1.638	-1.494
CENTROID X	:	.131	-.082	-.081
CENTROID Y	:	-.040	-.132	.073
POA TO CENTROID in.	:	.137	.156	.108
MIN RADIUS	:	.594	.406	.383
MEAN RADIUS	:	1.163	1.021	.915
MAX RADIUS	:	2.090	1.849	1.651
HORIZONTAL SPREAD	:	2.964	1.502	1.502
VERTICAL SPREAD	:	3.429	3.429	3.081
EXTREME SPREAD	:	3.461	3.461	3.082
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		7	

28 Nov 1991

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CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 2

2in = 7

3in = 8

HS= 2.661

VS= 2.459

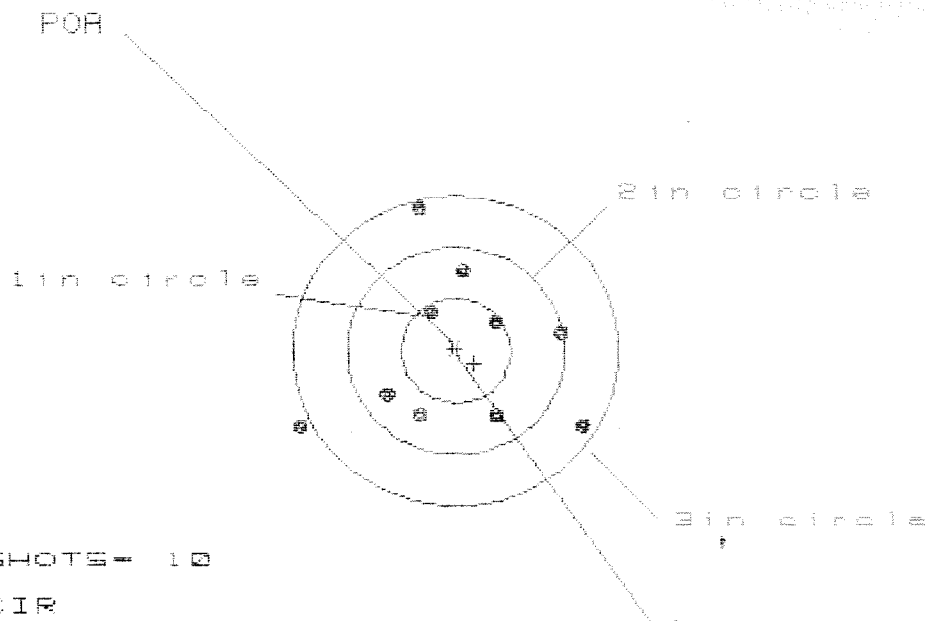
GS= 3.110

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.078	.902	.763
MINIMUM X	:	-1.583	-1.262	-1.149
MAXIMUM Y	:	1.560	1.502	.675
MINIMUM Y	:	-.899	-.725	-.537
CENTROID X	:	-.277	-.101	-.214
CENTROID Y	:	.209	.035	-.152
POA TO CENTROID in.	:	.347	.107	.263
MIN RADIUS	:	.315	.199	.161
MEAN RADIUS	:	1.008	.814	.676
MAX RADIUS	:	2.223	1.752	1.154
HORIZONTAL SPREAD	:	2.661	2.164	1.912
VERTICAL SPREAD	:	2.459	2.227	1.213
EXTREME SPREAD	:	3.110	2.682	1.914
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		8	

20 Nov 1991

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CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 2

2in = 7

3in = 9

HS= 2.572

VS= 2.147

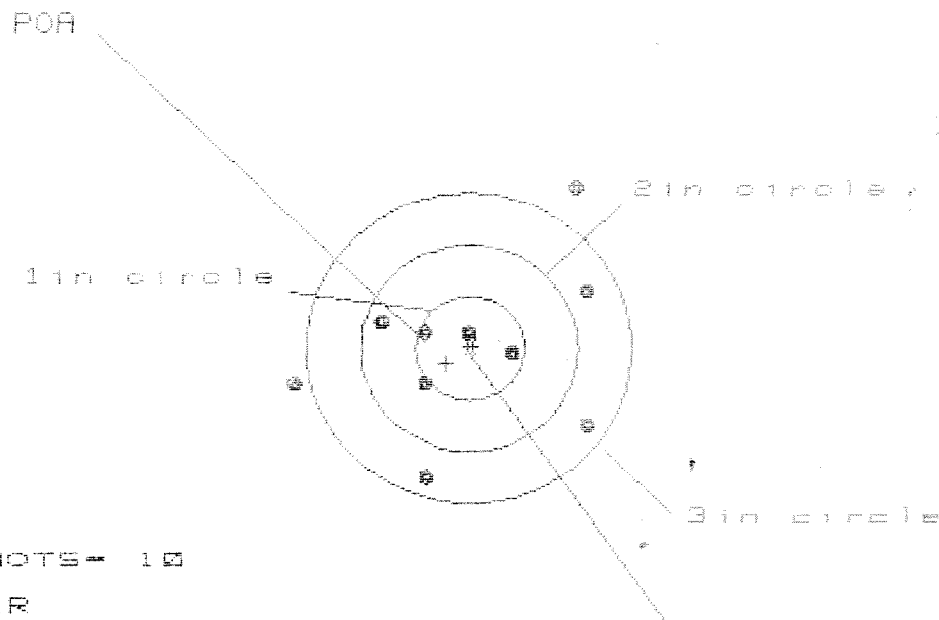
GS= 2.642

PATTERN #	3		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.172	1.016	.951
MINIMUM X	-1.400	-.798	-.863
MAXIMUM Y	1.424	1.348	.836
MINIMUM Y	-.723	-.799	-.631
CENTROID X	-.165	-.009	.056
CENTROID Y	.120	.196	.028
POB TO CENTROID in.	.204	.196	.063
MIN RADIUS	.420	.307	.403
MEAN RADIUS	.916	.828	.749
MAX RADIUS	1.559	1.446	1.141
HORIZONTAL SPREAD	2.572	1.814	1.814
VERTICAL SPREAD	2.147	2.147	1.467
EXTREME SPREAD	2.642	2.642	1.841
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		9	

28 Nov 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8B49169

CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1in = 4

2in = 5

3in = 8

HS= 2.689

VS= 2.825

GS= 3.282

CENTROID #

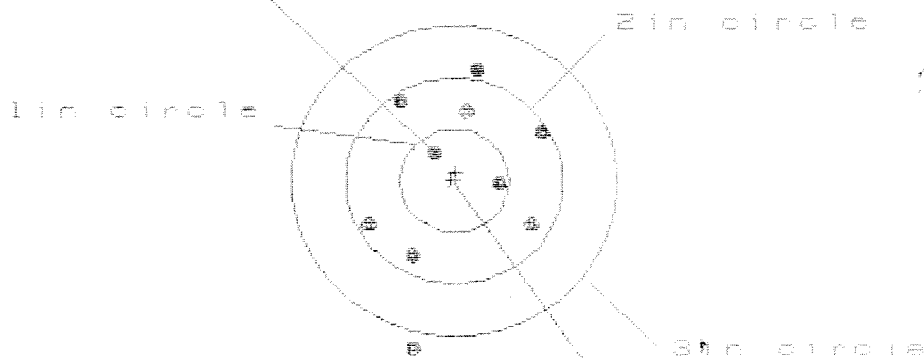
PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.083	1.197	1.010
MINIMUM X	:	-1.607	-1.492	-.862
MAXIMUM Y	:	1.595	.758	.735
MINIMUM Y	:	-1.230	-1.053	-1.076
CENTROID X	:	.216	.101	.288
CENTROID Y	:	.146	-.031	-.008
POA TO CENTROID in.	:	.260	.106	.288
MIN RADIUS	:	.195	.292	.354
MEAN RADIUS	:	.972	.862	.700
MAX RADIUS	:	1.898	1.504	1.249
HORIZONTAL SPREAD	:	2.689	2.689	1.872
VERTICAL SPREAD	:	2.825	1.811	1.811
EXTREME SPREAD	:	3.282	2.849	2.339
NUMBER IN ONE INCH CIRCLE =			4	
NUMBER IN TWO INCH CIRCLE =			5	
NUMBER IN THREE INCH CIRCLE =			8	

28 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6849169

CENTERFIRE PATTERNS # 5

POB



OF SHOTS - 10

IN CIR

1 in = 2

2 in = 8

3 in = 9

HS = 1.616

VS = 2.719

GS = 2.782

CENTROID #

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.819	.774	.792
MINIMUM X	:	-.797	-.842	-.824
MAXIMUM Y	:	1.069	.886	.724
MINIMUM Y	:	-1.650	-.869	-.759
CENTROID X	:	-.011	.034	.016
CENTROID Y	:	-.079	.104	-.006
POB TO CENTROID in.	:	.080	.110	.017
MIN RADIUS	:	.333	.237	.290
MEAN RADIUS	:	.855	.728	.711
MAX RADIUS	:	1.698	1.035	.959
HORIZONTAL SPREAD	:	1.616	1.616	1.616
VERTICAL SPREAD	:	2.719	1.755	1.483
EXTREME SPREAD	:	2.782	1.838	1.828
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		9	