

FORM

UPC



0 47700 25716 7

BARREL LENGTH

CAPACITY*

*INCLUDES 1 IN CHAMBER

C6649014

5716

ORDER NO.

MODEL 700 TM M24

Remington



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

MODEL 700 TM M24

SERIAL NO.
C6649014

ORDER NO.
5716

20

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



5716 C6649014

ORDER 5716

MODEL 700 TM M24

UPC



0 47700 25716 7

ORDER 5716

MODEL 700 TM M24

UPC



0 47700 25716 7

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

M2400030681

GFM

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6649014

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	QUALITY AUDIT 9 26	9 1	RW
600	Proof		9 1	RW
607	Check Headspace		9 1	RW
610	Dis-assemble Gun		9 1	RW
612	Magnaflux Barrel Action		OCT 3 1991	KCR
	Magnaflux Bolt		OCT 3 1991	KCR
615	Rollmark Caliber		OCT 3 1991	CS
617	Drill and Tap Sight Holes		OCT 4 1991	LS
618	Polish Barrel		OCT 4 1991	WB
620	Apply Coatings (Barrel Action)		10-18-91	JH
	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		11/6/91	JH

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4 1/2	4 1/2	4 1/2			11/6/91	WB
	G) Safety Off Force	3	3	3			11/6/91	WB
	H) Trigger Pull Test & Retainability						11/6/91	JP
	I) Firing Pin Indent	.0205	.0205	.0205			11/6/91	WB
	J) Assemble Stock						11/15/91	RW
	K) Assemble Swivel Studs						11-27-91	D/H
	L) Attach Front and Rear Sight Assemblies						11/15/91	RW
	M) Iron Sight Alignment						11/15/91	RW
	N) Detach Front & Rear Sights & place in numbered container						11/15/91	RW
	O) Attach Scope to Rifle						11/15/91	RW
	P) Detach & Attach Scope 20 Times						11/15/91	RW
640	Gallery Target & Test						11/22/91	KT
	A) Time						"	KT
	B) Malfunctions						"	KT
	C) Pierced Primers						"	KT
	D) Optical Clarity of Scope						"	KT
645	Inspect for Live Ammo						11/22/91	KT
655	Final Inspection							
	A) Headspace						11-27-91	D/H
	B) Trigger Pull	223	217	211	247	237	11-25-91	DH
	C) Function						11-27-91	D/H
660	Pack						12-18-91	AF

SWS TRIGGER PULL TEST

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

SERIAL NO. 0-6649014

DATE 11-6-91

TESTER JU

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.55	2.59	2.25	2.23	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.56	2.63	2.38	2.17	
PULL #3	2.49	2.18	2.53	2.11	
PULL #4	2.58	2.46	2.50	2.47	
PULL #5	2.56	2.30	2.36	2.37	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.43	3.34		
PULL #2	3.66	3.35		
PULL #3	3.42	3.35		
PULL #4	3.38	3.51		
PULL #5	3.46	3.30		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.35	4.16		4.35
PULL #2	4.20	4.25		4.17
PULL #3	4.30	4.43		4.25
PULL #4	4.37	4.41		4.21
PULL #5	4.18	4.27		4.39
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6649014
20 Nov 1991

CENTROIDAL DISTANCES

0 TO	1	.21346
1 TO	2	.258279
1 TO	3	.189402
1 TO	4	.183409
1 TO	5	.163783

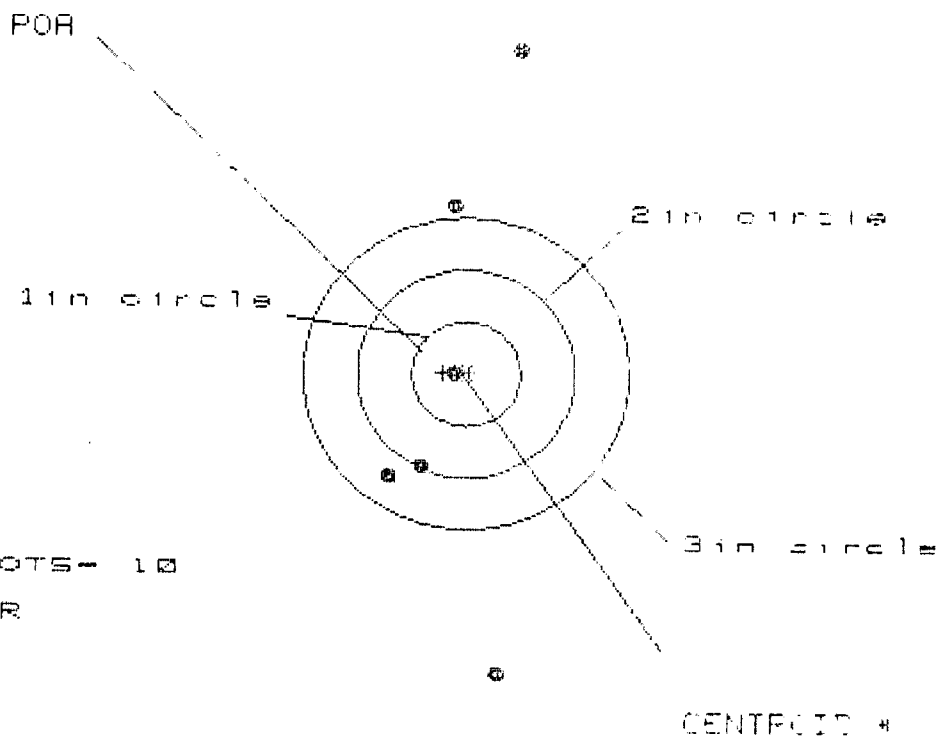
μ_2 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .2076
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0280
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .20956
THE AMR FOR THIS RIFLE IS: 1.248

22 Nov 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6649014

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 1

2in = 2

3in = 3

HS= 1.497

VS= 8.586

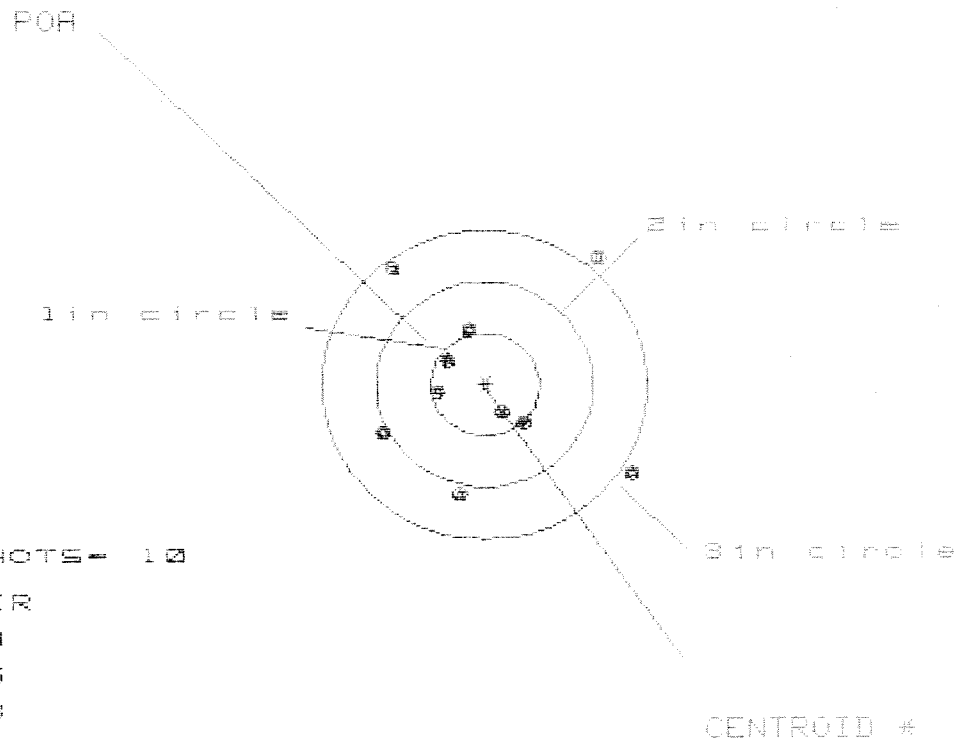
GS= 8.661

PATTERN #	:	01	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.755	.806	.727
MINIMUM X	:	-.742	-.691	-.770
MAXIMUM Y	:	4.161	3.670	3.863
MINIMUM Y	:	-4.425	-4.158	-3.700
CENTROID X	:	.213	.162	.241
CENTROID Y	:	-.014	.477	.019
POA TO CENTROID in.	:	.214	.504	.241
MIN RADIUS	:	.137	.498	.168
MEAN RADIUS	:	2.634	2.461	2.219
MAX RADIUS	:	4.448	4.163	3.931
HORIZONTAL SPREAD	:	1.497	1.497	1.497
VERTICAL SPREAD	:	8.586	7.828	7.563
EXTREME SPREAD	:	8.661	7.871	7.588
NUMBER IN ONE INCH CIRCLE =	:	1		
NUMBER IN TWO INCH CIRCLE =	:	2		
NUMBER IN THREE INCH CIRCLE =	:	3		

22 Nov 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6649014

CENTERFIRE PATTERNS # 2



OF SHOTS - 10
IN CIR
1in = 3
2in = 5
3in = 8
HS = 2.284
VS = 2.335
GS = 2.888

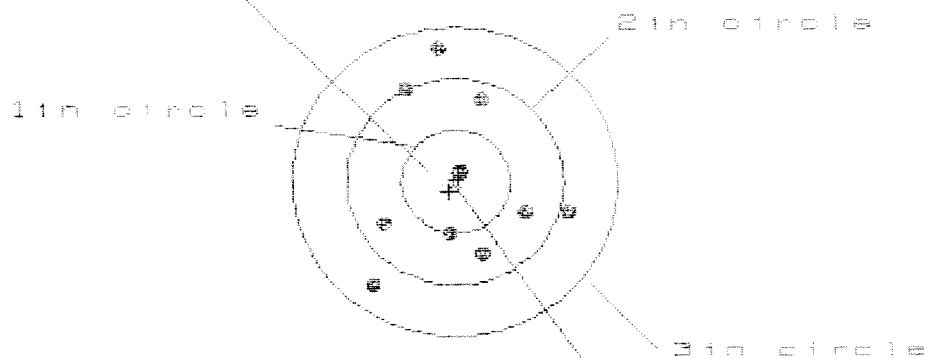
PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.370	1.159	.662
MINIMUM X	:	-.914	-.762	-.617
MAXIMUM Y	:	1.277	1.178	1.209
MINIMUM Y	:	-1.058	-1.157	-1.010
CENTROID X	:	.345	.193	.048
CENTROID Y	:	-.236	-.137	-.284
POA TO CENTROID in.	:	.418	.237	.288
MIN RADIUS	:	.321	.226	.163
MEAN RADIUS	:	.906	.802	.673
MAX RADIUS	:	1.633	1.652	1.317
HORIZONTAL SPREAD	:	2.284	1.921	1.279
VERTICAL SPREAD	:	2.335	2.335	2.219
EXTREME SPREAD	:	2.998	2.639	2.298
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

22 May 1981

FILE:/PATTERNING/CENTERFIRE_PATT/C6649014

CENTERFIRE PATTERNS # 3

POA



OF SHOTS- 10

IN CIR

1in = 2

2in = 6

3in = 10

HE= 1.785

VS= 2.256

GS= 2.349

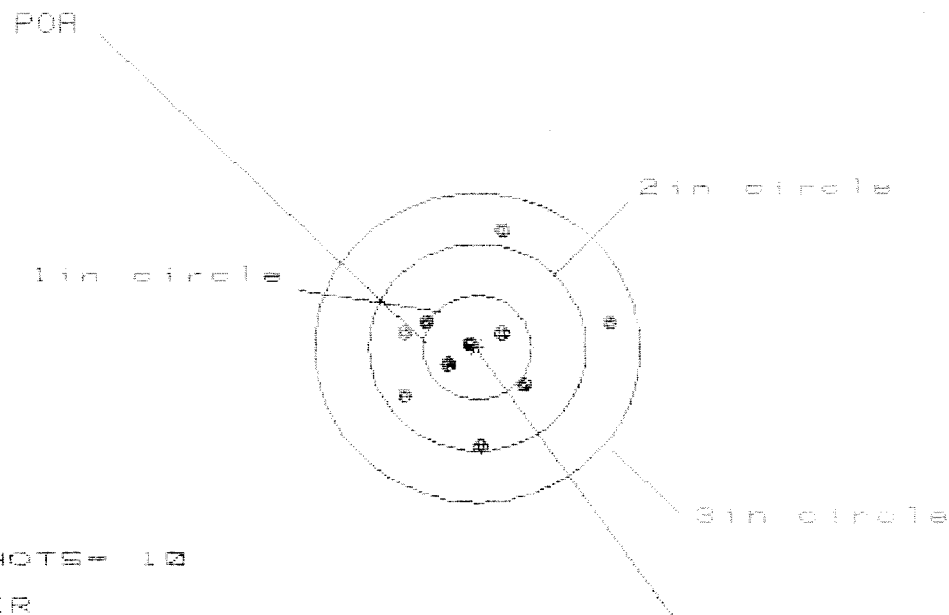
CENTROID *

PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.010	.997	.898
MINIMUM X	-.775	-.788	-.799
MAXIMUM Y	1.282	1.027	.923
MINIMUM Y	-.974	-.831	-.864
CENTROID X	.061	.074	.173
CENTROID Y	.099	-.044	.060
POA TO CENTROID in.	.116	.086	.183
MIN RADIUS	.152	.289	.194
MEAN RADIUS	.824	.760	.704
MAX RADIUS	1.288	1.146	1.100
HORIZONTAL SPREAD	1.785	1.785	1.697
VERTICAL SPREAD	2.256	1.858	1.587
EXTREME SPREAD	2.349	1.997	1.891
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		10	

22 Nov 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6849014

CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1in = 3

2in = 8

3in = 10

HS= 1.911

VS= 2.112

GS= 2.121

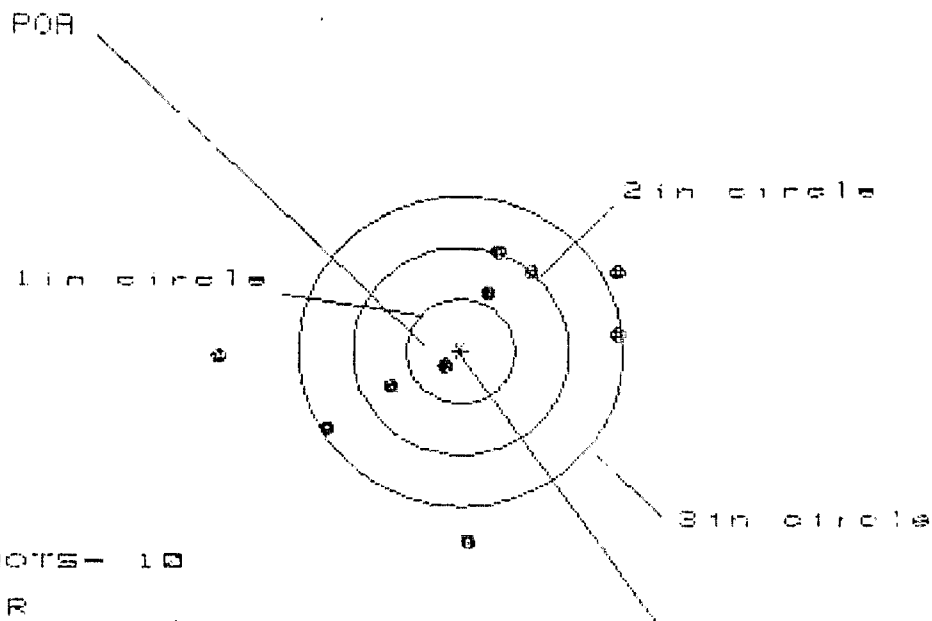
CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.211	.530	.573
MINIMUM X	:	-.700	-.566	-.523
MAXIMUM Y	:	1.118	1.143	.420
MINIMUM Y	:	-.994	-.969	-.827
CENTROID X	:	.274	.140	.097
CENTROID Y	:	.159	.134	-.009
POA TO CENTROID IN.	:	.317	.194	.097
MIN RADIUS	:	.089	.142	.085
MEAN RADIUS	:	.654	.575	.494
MAX RADIUS	:	1.231	1.193	.848
HORIZONTAL SPREAD	:	1.911	1.096	1.096
VERTICAL SPREAD	:	2.112	2.112	1.247
EXTREME SPREAD	:	2.121	2.121	1.372
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		10	

NOV 1991

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CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 1

2in = 3

3in = 7

HS= 3.716

VS= 2.833

GS= 3.804

CENTROID +

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.456	1.204	1.177
MINIMUM X	-2.260	-1.450	-1.477
MAXIMUM Y	.962	.953	.718
MINIMUM Y	-1.871	-1.880	-1.988
CENTROID X	.145	.397	.424
CENTROID Y	.135	.144	.379
POA TO CENTROID in.	.199	.422	.569
MIN RADIUS	.147	.370	.362
MEAN RADIUS	1.222	1.099	.949
MAX RADIUS	2.262	1.893	1.777
HORIZONTAL SPREAD	3.716	2.654	2.654
VERTICAL SPREAD	2.833	2.833	1.796
EXTREME SPREAD	3.804	3.038	3.039
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		3	
NUMBER IN THREE INCH CIRCLE =		7	