

FORM

UPC



0 47700 25716 7

C6649203

*INCLUDES 1 IN CHAMBER

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

M2400066325

MODEL 700 TM M24

ORDER NO. 5716

BARREL LENGTH

CAPACITY*

Remington



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

MODEL 700TM M24

SERIAL NO.
C6649203

ORDER NO.
5716

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

20



5716 C6649203

ORDER **5716**

MODEL 700TM M24

UPC



0 47700 25716 7

ORDER **5716**

MODEL 700TM M24

UPC



0 47700 25716 7

GFM

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # *C6649203*

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	10 1	91	<i>RW</i>
600	Proof	10 1	91	<i>RW</i>
607	Check Headspace	10 1	91	<i>RW</i>
610	Dis-assemble Gun	10 1	91	<i>RW</i>
612	Magnaflux Barrel Action	OCT 1 0 1991	OCT 1 0 1991	<i>KR</i>
	Magnaflux Bolt	OCT 1 0 1991	OCT 1 0 1991	<i>KR</i>
615	Rollmark Caliber	OCT 1 0 1991	OCT 1 0 1991	<i>GL</i>
617	Drill and Tap Sight Holes	OCT 1 0 1991	OCT 1 0 1991	<i>LB</i>
618	Polish Barrel		10/15/91	<i>WB</i>
620	Apply Coatings (Barrel Action)		11/2/91	<i>AS</i>
	Apply Coating (Bolt)		11/2/91	<i>AS</i>
625	Final Assembly A) Clean inside of Bolt Assembly		12/3/91	<i>KS</i>
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		12/3/91	<i>KS</i>
	C) Inspect Ejector Hole for Chamfer		12/3/91	<i>KS</i>
	D) Oil Firing Pin Ass'y		12/3/91	<i>KS</i>
	E) Adjust Trigger Pull to Min Setting and Stake		12/4/91	<i>AS</i>

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			12-6-91	Y
	G) Safety Off Force	4	4	4			12-6-91	Y
	H) Trigger Pull Test & Retainability						12-6-91	Y
	I) Firing Pin Indent	.0205	.0205	.0205			12-6-91	Y
	J) Assemble Stock						12/6/91	Y
	K) Assemble Swivel Studs						12-7-91	R
	L) Attach Front and Rear Sight Assemblies						12/6/91	Y
	M) Iron Sight Alignment						12/6/91	Y
	N) Detach Front & Rear Sights & place in numbered container						12/6/91	Y
	O) Attach Scope to Rifle						12/6/91	Y
	P) Detach & Attach Scope 20 Times						12/6/91	Y
640	Gallery Target & Test						12/6/91	Y
	A) Time							Y
	B) Malfunctions							Y
	C) Pierced Primers							Y
	D) Optical Clarity of Scope							Y
645	Inspect for Live Ammo						12/6/91	Y
655	Final Inspection							
	A) Headspace						12-7-91	AC
	B) Trigger Pull	2.38	2.46	2.48	2.57	2.55	12-7-91	D/H
	C) Function						12-7-91	Y
660	Pack						12-19-91	Y

SWS TRIGGER PULL TEST

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

SERIAL NO. C6649203

DATE 12-6-91

TESTER JY

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.20	2.50	2.40	238	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.36	2.41	2.44	246	
PULL #3	2.36	2.39	2.38	248	
PULL #4	2.47	2.42	2.41	257	
PULL #5	2.40	2.42	2.48	255	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.60	3.56		
PULL #2	3.64	3.56		
PULL #3	3.64	3.52		
PULL #4	3.53	3.57		
PULL #5	3.57	3.50		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.63	4.42		4.34
PULL #2	4.52	4.63		4.69
PULL #3	4.61	4.63		4.66
PULL #4	4.35	4.60		4.49
PULL #5	4.31	4.60		4.67
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06649203
6 Dec 1991

CENTROIDAL DISTANCES

0 TO 1	.420406
1 TO 2	.520188
1 TO 3	.746194
1 TO 4	.625082
1 TO 5	.327153

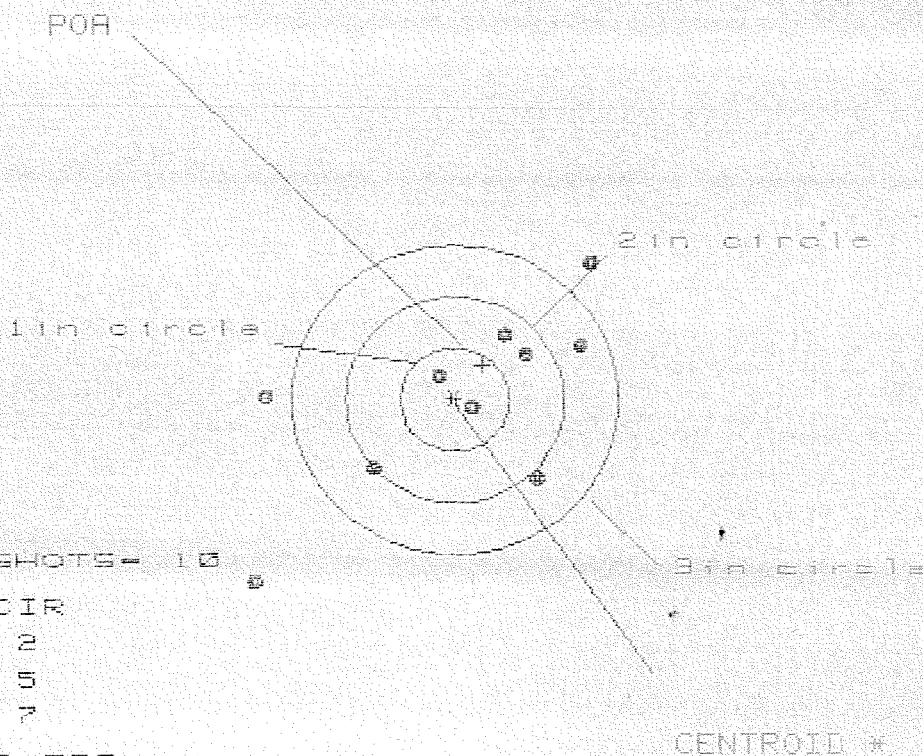
2 of 4 (----POA)

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0236
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0556
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0631737
THE AMR FOR THIS RIFLE IS: .9158

18 Dec 1991

FILE: \PATTERNING\CENTERFIRE_PATT\06649203

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 5

3 in = 7

HS= 3.075

VS= 3.048

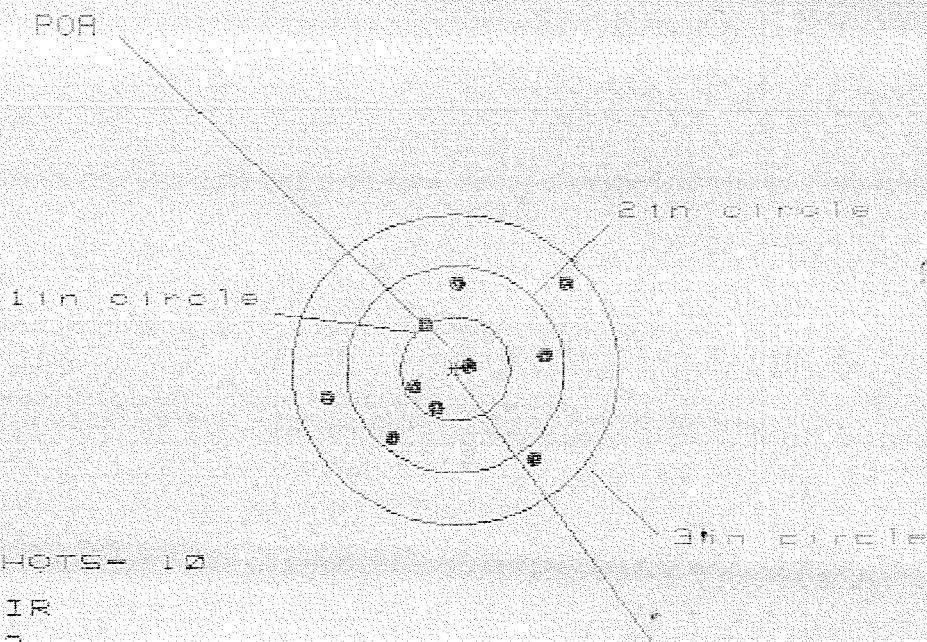
GS= 4.330

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.219	1.013	1.113
MINIMUM X	-1.856	-1.933	-1.807
MAXIMUM Y	1.333	1.142	.569
MINIMUM Y	-1.715	-.911	-.768
CENTROID X	-.254	-.048	-.174
CENTROID Y	-.335	-.144	-.287
POA TO CENTROID in.	.420	.152	.336
MIN RADIUS	.164	.237	.120
MEAN RADIUS	1.135	.928	.856
MAX RADIUS	2.527	1.937	1.807
HORIZONTAL SPREAD	3.075	2.946	2.920
VERTICAL SPREAD	3.048	2.053	1.337
EXTREME SPREAD	4.330	3.203	2.950
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	7		

5 Dec 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06649203

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 3

2in = 7

3in = 10

HS= 2.111

VS= 1.689

GS= 2.364

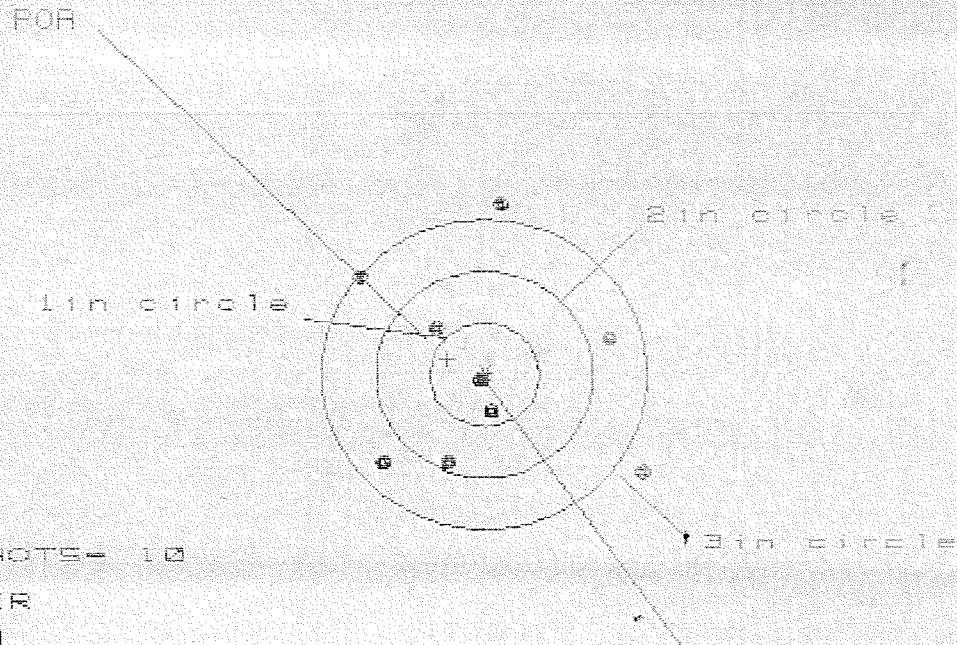
CENTROID #

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.978	.969	.841
MINIMUM X	:	-1.133	-1.024	-.625
MAXIMUM Y	:	.822	.913	.894
MINIMUM Y	:	-.867	-.776	-.795
CENTROID X	:	-.119	-.228	-.100
CENTROID Y	:	-.037	-.128	-.100
POA TO CENTROID in.	:	.125	.261	.147
MIN RADIUS	:	.098	.237	.129
MEAN RADIUS	:	.751	.680	.638
MAX RADIUS	:	1.275	1.105	1.033
HORIZONTAL SPREAD	:	2.111	1.993	1.466
VERTICAL SPREAD	:	1.689	1.689	1.689
EXTREME SPREAD	:	2.364	2.025	1.831
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

6 Dec 1991

FILE: PATTERNING/CENTERFIRE_PATT/C6649203

CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1in = 3

2in = 5

3in = 8

HS= 2.590

VS= 2.614

GS= 3.201

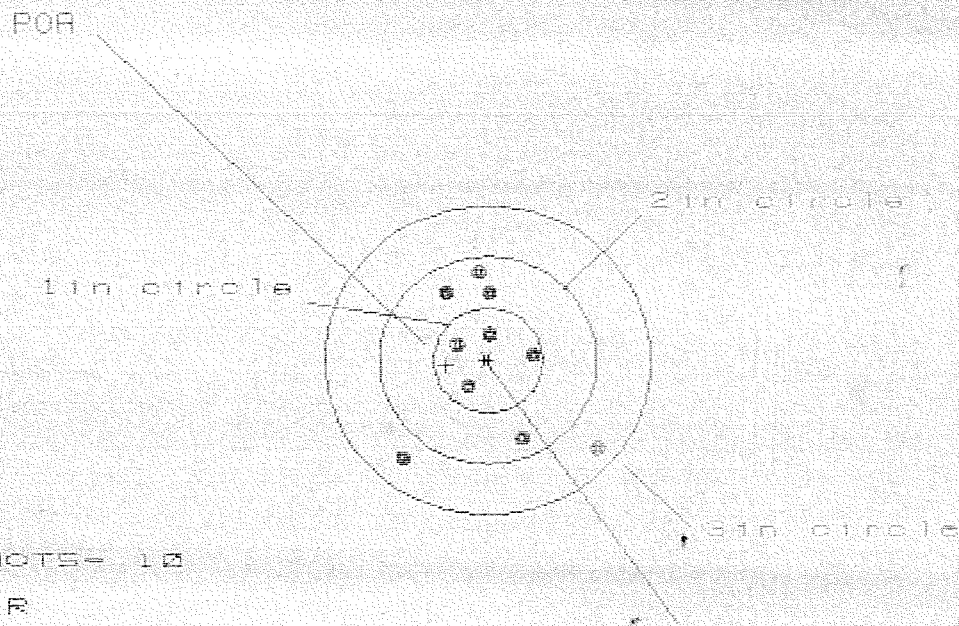
CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.412	1.319	1.362
MINIMUM X	:	-1.178	-1.021	-1.978
MAXIMUM Y	:	1.641	1.533	.991
MINIMUM Y	:	-.973	-.989	-.798
CENTROID X	:	.344	.187	.144
CENTROID Y	:	-.153	-.045	-.236
POA TO CENTROID in.	:	.376	.192	.277
MIN RADIUS	:	.084	.168	.133
MEAN RADIUS	:	.977	.906	.782
MAX RADIUS	:	1.715	1.570	1.444
HORIZONTAL SPREAD	:	2.590	2.340	2.340
VERTICAL SPREAD	:	2.614	2.522	1.789
EXTREME SPREAD	:	3.201	2.676	2.395
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

6 Dec 1991

FILE: PATTERNING/CENTERFIRE_PAT/06B490B3

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1in = 4

2in = 8

3in = 10

HS= 1.727

VS= 1.782

GS= 2.014

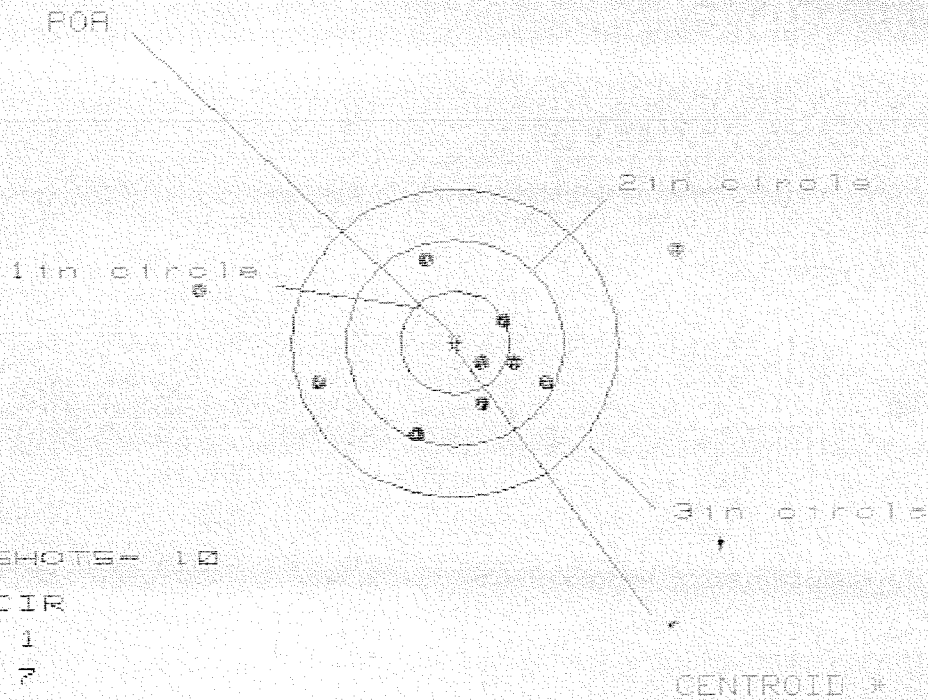
CENTROID #

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.986	.496	.417
MINIMUM X	:	-.741	-.632	-.336
MAXIMUM Y	:	.880	.790	.666
MINIMUM Y	:	-.902	-.992	-.944
CENTROID X	:	.387	.278	.357
CENTROID Y	:	.047	.137	.261
POA TO CENTROID in.	:	.390	.310	.442
MIN RADIUS	:	.252	.194	.072
MEAN RADIUS	:	.672	.578	.474
MAX RADIUS	:	1.279	1.176	1.003
HORIZONTAL SPREAD	:	1.727	1.128	.743
VERTICAL SPREAD	:	1.782	1.782	1.610
EXTREME SPREAD	:	2.014	1.893	1.661
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		10	

6 Dec 1991

FILE: \PATTERNING\CENTERFIRE_PATT\CG649283

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1in = 1

2in = 7

3in = 8

HS= 4.313

VS= 1.779

CS= 4.334

PATTERN #	2
SHOTS (BEST OF)	10
MAXIMUM X	1.997
MINIMUM X	-2.316
MAXIMUM Y	.930
MINIMUM Y	-.849
CENTROID X	-.240
CENTROID Y	.185
POA TO CENTROID in.	.303
MIN RADIUS	.269
MEAN RADIUS	1.044
MAX RADIUS	2.370
HORIZONTAL SPREAD	4.313
VERTICAL SPREAD	1.779
EXTREME SPREAD	4.334
NUMBER IN ONE INCH CIRCLE	= 1
NUMBER IN TWO INCH CIRCLE	= 7
NUMBER IN THREE INCH CIRCLE	= 8