

BARBER - M24 0101824

Smead®
No. 2-152-5L

FORM

UPC



6665729

INCLUDES 1 IN CHAMBER

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 0101824 0101863

BARBER - M24 0101825

ORDER NO.

5716

BARREL LENGTH

MODEL 700 TM M24

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 0101825 M2400101864

RemingtonVERY IMPORTANT:
Instruction Book
enclosed to assure
safe use of this
firearm.**MODEL 700™ M24**

SERIAL NO.

C6665729

ORDER NO.

5716

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

20



5716 C6665729

ORDER 5716

MODEL 700™ M24

UPC

0 47700 25716 7

ORDER 5716

MODEL 700™ M24

UPC

0 47700 25716 7

GFM

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6665729

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	10 1	91	RW
600	Proof	10 1	91	RW
607	Check Headspace	10 1	91	RW
610	Dis-assemble Gun	10 1		RW
612	Magnaflux Barrel Action		OCT 4 1991	KR
	Magnaflux Bolt		OCT 4 1991	KR
615	Rollmark Caliber		OCT 4 1991	SS
617	Drill and Tap Sight Holes		OCT 4 1991	LB
618	Polish Barrel		10/5/91	WB
620	Apply Coatings (Barrel Action)		10/22/91	LB
	Apply Coating (Bolt)		10/22/91	LB
625	Final Assembly A) Clean inside of Bolt Assembly		10/22/91	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		10/22/91	RW
	C) Inspect Ejector Hole for Chamfer		10/22/91	RW
	D) Oil Firing Pin Ass'y		10/22/91	RW
	E) Adjust Trigger Pull to Min Setting and Stake		10/25/91	JH

BARBER - M24 0101828

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	3	3	3			10/25/91	JU
	G) Safety Off Force	2	2	2			10/25/91	JU
	H) Trigger Pull Test & Retainability						10/25/91	JU
	I) Firing Pin Indent	.020	.0205	.0205			10/25/91	JU
	J) Assemble Stock						11/6/91	Rev
	K) Assemble Swivel Studs						11-13-91	AC
	L) Attach Front and Rear Sight Assemblies						11/6/91	Rev
	M) Iron Sight Alignment						11/6/91	Rev
	N) Detach Front & Rear Sights & place in numbered container						11/6/91	Rev
	O) Attach Scope to Rifle						11/6/91	Rev
	P) Detach & Attach Scope 20 Times						11/6/91	Rev
640	Gallery Target & Test						11-6-91	N
	A) Time						"	NE
	B) Malfunctions						"	NE
	C) Pierced Primers						"	NE
	D) Optical Clarity of Scope						"	NE
645	Inspect for Live Ammo						11-6-91	NE
655	Final Inspection							
	A) Headspace						11-13-91	AC
	B) Trigger Pull	2.14	2.31	2.31	2.31	2.31	11-12-91	AC
	C) Function						11-13-91	AC
660	Pack						12-19-91	N

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C-6665729

DATE 10/25/91

TESTER JF

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.23	2.33	2.150	2.14	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.29	2.49	2.53	2.31	
PULL #3	2.49	2.47	2.55	2.31	
PULL #4	2.48	2.47	2.49	2.31	
PULL #5	2.50	2.45	2.40	2.31	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.69	3.18		
PULL #2	3.61	3.15		
PULL #3	3.62	3.20		
PULL #4	3.52	3.15		
PULL #5	3.63	3.20		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.40	4.38		4.31
PULL #2	4.37	4.45		4.41
PULL #3	4.43	4.41		4.42
PULL #4	4.37	4.37		4.42
PULL #5	4.42	4.46		4.41
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6665729
6 Nov 1991

CENTROIDAL DISTANCES

0 TO	1	.227271
1 TO	2	.35007
1 TO	3	.192003
1 TO	4	.581328
1 TO	5	.54613

$\bar{x} = -0.041$ X-----POI

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -0.041
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -0.0246
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: $.0478133$

THE AMR FOR THIS RIFLE IS: 1.181

6 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06665729

CENTERFIRE PATTERNS # 1

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS = 10

IN CIR

1 in = 0

2 in = 2

3 in = 6

HS = 2.226

VS = 4.149

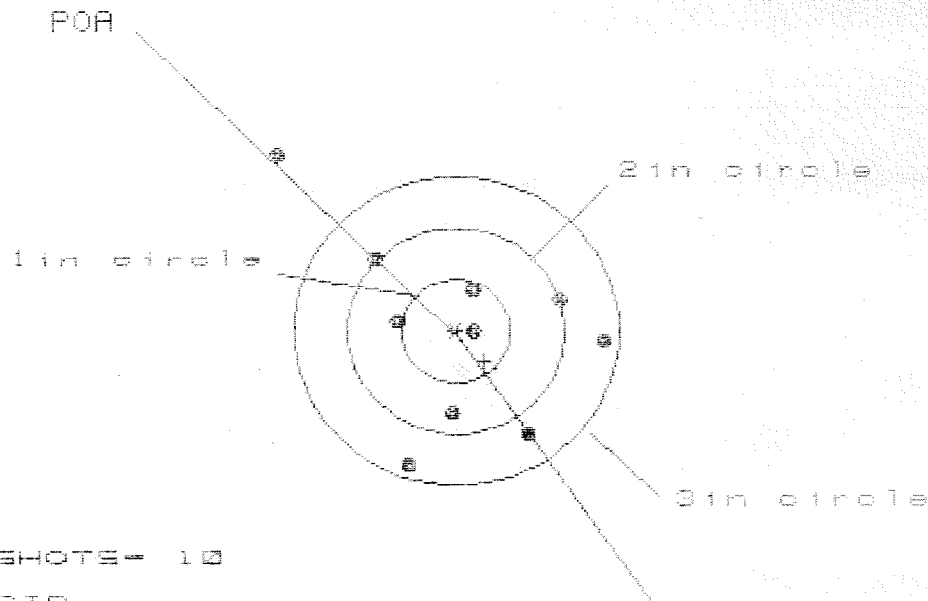
GS = 4.150

PATTERN #	1	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.979	.987	1.011
MINIMUM X	-1.247	-1.239	-1.215
MAXIMUM Y	1.691	1.418	1.308
MINIMUM Y	-2.458	-1.449	-1.271
CENTROID X	.226	.218	.194
CENTROID Y	-.024	.249	.071
POA TO CENTROID in.	.227	.330	.207
MIN RADIUS	.720	.726	.705
MEAN RADIUS	1.383	1.251	1.212
MAX RADIUS	2.459	1.631	1.543
HORIZONTAL SPREAD	2.226	2.226	2.226
VERTICAL SPREAD	4.149	2.867	2.579
EXTREME SPREAD	4.150	3.017	2.925
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =	2		
NUMBER IN THREE INCH CIRCLE =	6		

6 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6665729

CENTERFIRE PATTERNS # 4



OF SHOTS = 10

IN CIR

1in = 2

2in = 5

3in = 9

HS = 2.986

VS = 3.020

GS = 3.594

CENTROID #

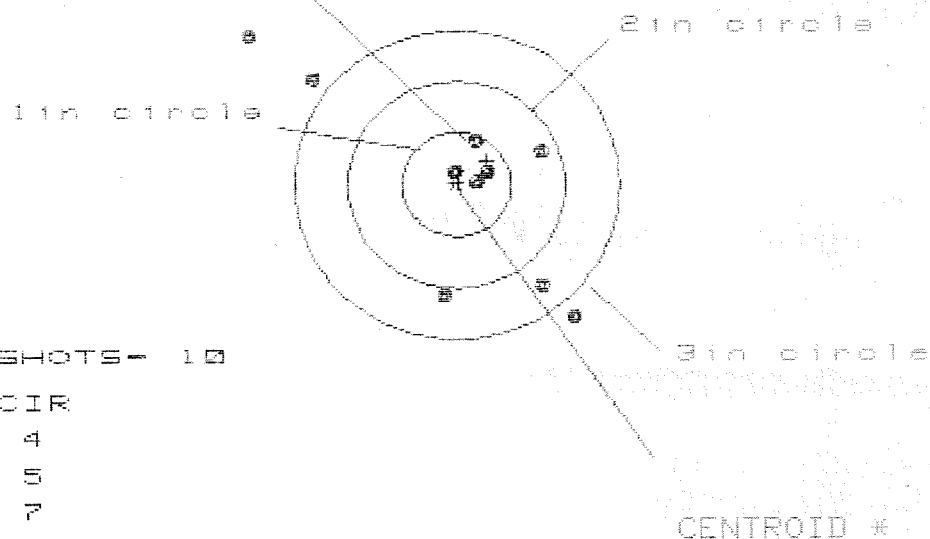
PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.344	1.161	1.085
MINIMUM X	:	-1.642	-.880	-.956
MAXIMUM Y	:	1.739	.892	.756
MINIMUM Y	:	-1.281	-1.087	-.971
CENTROID X	:	-.258	-.075	.001
CENTROID Y	:	.298	.104	.240
POA TO CENTROID in.	:	.394	.129	.240
MIN RADIUS	:	.188	.207	.100
MEAN RADIUS	:	1.013	.848	.775
MAX RADIUS	:	2.392	1.252	1.218
HORIZONTAL SPREAD	:	2.986	2.041	2.841
VERTICAL SPREAD	:	3.020	1.979	1.727
EXTREME SPREAD	:	3.594	2.198	2.198
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

6 Nov 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8865729

CENTERFIRE PATTERNS # 5

POA



OF SHOTS - 10

IN CIR

1in = 4

2in = 5

3in = 7

HS = 2.983

VS = 2.757

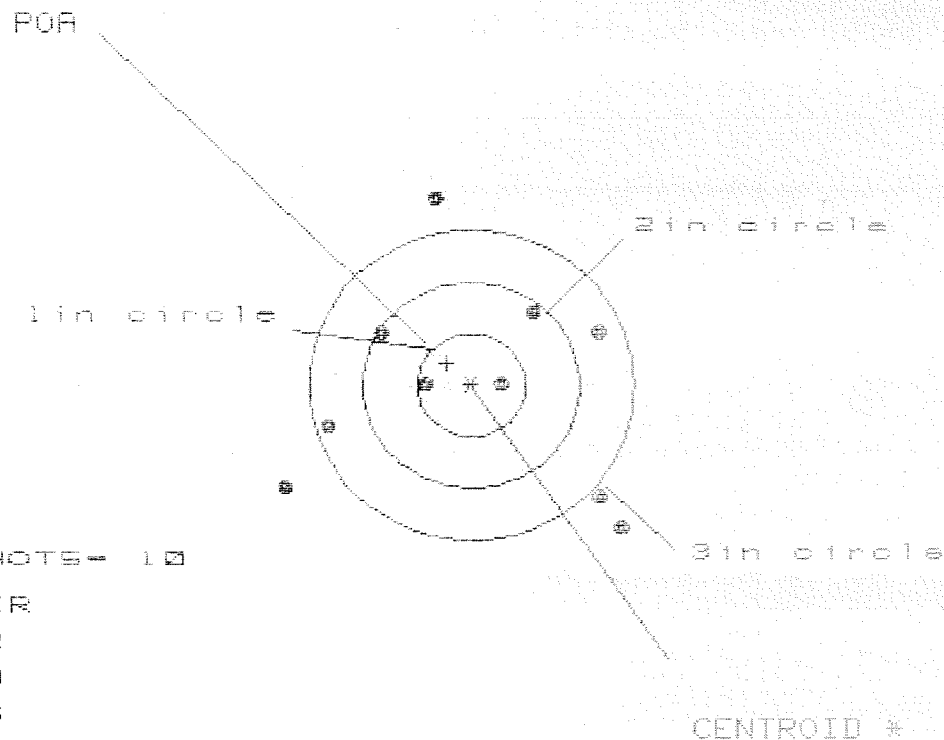
GS = 4.062

PATTERN #	:	5	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.083	.872	.713
MINIMUM X	:	-1.900	-1.572	-1.463
MAXIMUM Y	:	1.456	1.141	.999
MINIMUM Y	:	-1.300	-1.139	-1.053
CENTROID X	:	-.281	-.070	-.179
CENTROID Y	:	-.227	-.388	-.246
POA TO CENTROID in.	:	.361	.395	.304
MIN RADIUS	:	.124	.146	.124
MEAN RADIUS	:	1.009	.828	.721
MAX RADIUS	:	2.394	1.943	1.772
HORIZONTAL SPREAD	:	2.983	2.444	2.176
VERTICAL SPREAD	:	2.757	2.280	2.052
EXTREME SPREAD	:	4.062	3.342	2.941
NUMBER IN ONE INCH CIRCLE	=	4		
NUMBER IN TWO INCH CIRCLE	=	5		
NUMBER IN THREE INCH CIRCLE	=	7		

8 Nov 1991

FILE:/PATTERNING/CENTERFIRE_PATT/CB585729

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 2

2in = 3

3in = 6

HS= 3.051

VS= 3.205

GS= 3.629

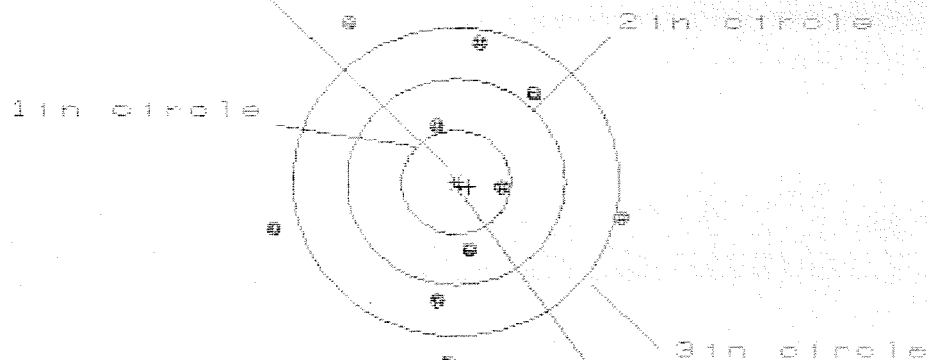
PATTERN #	:	3	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.381	1.194	1.145
MINIMUM X	:	-1.680	-1.505	-1.355
MAXIMUM Y	:	1.861	1.747	1.564
MINIMUM Y	:	-1.344	-1.458	-1.337
CENTROID X	:	.225	.412	.262
CENTROID Y	:	-.216	-.102	.081
POA TO CENTROID in.	:	.312	.424	.274
MIN RADIUS	:	.311	.136	.365
MEAN RADIUS	:	1.273	1.169	1.071
MAX RADIUS	:	1.970	1.885	1.752
HORIZONTAL SPREAD	:	3.061	2.699	2.500
VERTICAL SPREAD	:	3.205	3.205	2.901
EXTREME SPREAD	:	3.629	3.629	3.261
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		6	

6 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06665729

CENTERFIRE PATTERNS # 2

POA



OF SHOTS = 10

IN CIR

1in = 1

2in = 3

3in = 6

HS = 3.202

VS = 3.248

GS = 3.380

CENTROID #

PATTERN #	2
SHOTS (BEST OF)	10
MAXIMUM X	1.496
MINIMUM X	-1.706
MAXIMUM Y	1.543
MINIMUM Y	-1.705
CENTROID X	-.117
CENTROID Y	.046
POA TO CENTROID in.	.126
MIN RADIUS	.438
MEAN RADIUS	1.225
MAX RADIUS	1.827
HORIZONTAL SPREAD	3.202
VERTICAL SPREAD	3.248
EXTREME SPREAD	3.380
NUMBER IN ONE INCH CIRCLE =	1
NUMBER IN TWO INCH CIRCLE =	3
NUMBER IN THREE INCH CIRCLE =	6