

BARBER - M24 0031035

No. 7-157-51
Smead®

OPEN

UPC



0 47700 25716 7

C6649048

BARREL LENGTH
CAPACITY*
*INCLUDES 1 INCHAMBER

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 0031035 M2400931074

BARBER - M24 0031036

MODEL 700 TM M24

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 0031036 M2400031075

RemingtonVERY IMPORTANT:
Instruction Book
enclosed to assure
safe use of this
firearm.**MODEL 700TM M24**SERIAL NO.
C6649048

20

ORDER NO.
5716

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



5716 C6649048

ORDER 5716
MODEL 700TM M24**UPC**

0 47700 25716 7

ORDER 5716
MODEL 700TM M24**UPC**

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GFM

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6649048

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	9 26 51		RW
600	Proof	9 26 51		RW
607	Check Headspace	9 26 51		RW
610	Dis-assemble Gun	9 26 51		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	LB
618	Polish Barrel	OCT	4 1991	WB
620	Apply Coatings (Barrel Action)		10-12-91	JA
	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		11-19-91	HL

op #	OP NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	3 1/2	3 1/2	3 1/2			11/20/91	WB
	G) Safety Off Force	2 1/2	2 1/2	2 1/2			11/20/91	WB
	H) Trigger Pull Test & Retainability						11-19-91	JH
	I) Firing Pin Indent	.0215	.0205	.021			11/20/91	WB
	J) Assemble Stock						11/20/91	RW
	K) Assemble Swivel Studs						11-27-91	D/H
	L) Attach Front and Rear Sight Assemblies						11/20/91	RW
	M) Iron Sight Alignment						11/20/91	RW
	N) Detach Front & Rear Sights & place in numbered container						11/20/91	RW
	O) Attach Scope to Rifle						11/20/91	RW
	P) Detach & Attach Scope 20 Times						11/20/91	RW
640	Gallery Target & Test						11-21-91	AC
	A) Time						11-21-91	AC
	B) Malfunctions						11-21-91	AC
	C) Pierced Primers						11-21-91	AC
	D) Optical Clarity of Scope						11-21-91	AC
645	Inspect for Live Ammo						11-21-91	AC
655	Final Inspection							
	A) Headspace						11-27-91	D/H
	B) Trigger Pull	2.68	2.63	2.59	2.58	2.47	11-25-91	JH
	C) Function						11-27-91	D/H
660	Pack						12-19-91	VF

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C-6649048DATE 11-19-91TESTER JL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.57	2.31	2.38	2.68	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.40	2.30	2.44	2.63	
PULL #3	2.36	2.30	2.33	2.59	
PULL #4	2.28	2.31	2.31	2.58	
PULL #5	2.28	2.31	2.42	2.47	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.44	3.46		
PULL #2	3.42	3.42		
PULL #3	3.43	3.43		
PULL #4	3.43	3.45		
PULL #5	3.41	3.46		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.34	4.43		4.64
PULL #2	4.39	4.60		4.41
PULL #3	4.36	4.55		4.57
PULL #4	4.31	4.15		4.61
PULL #5	4.31	4.60		4.60
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6649048
21 Nov 1991

CENTROIDAL DISTANCES

0 TO	1	.19965
1 TO	2	.432375
1 TO	3	.383313
1 TO	4	.401678
1 TO	5	.202781

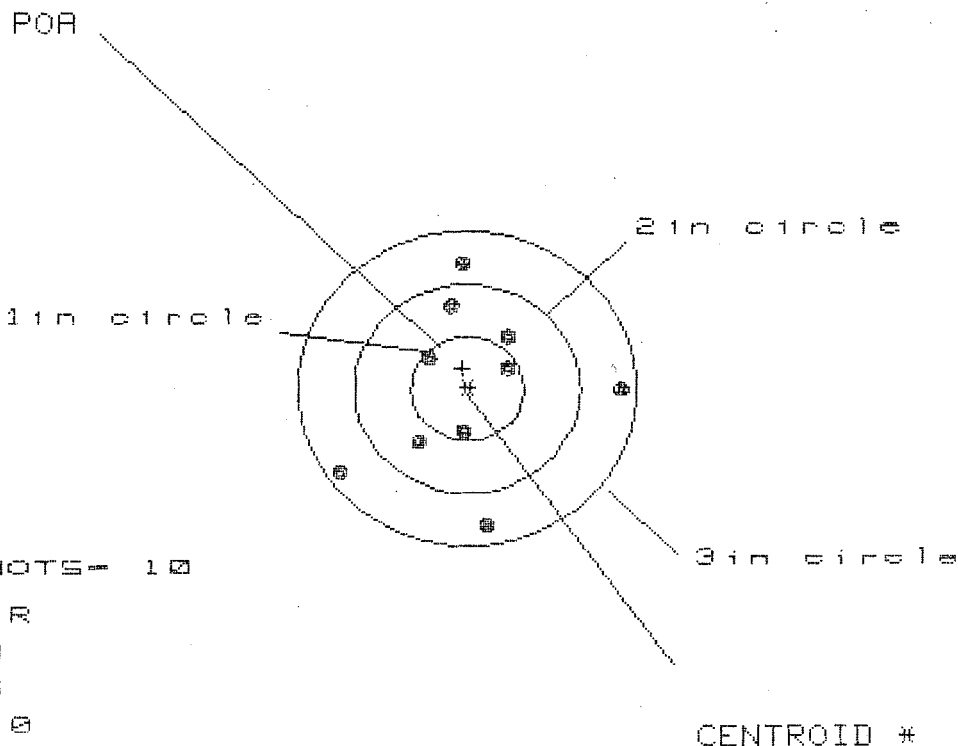
$\pm_{152}$ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .3098
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1562
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .34695
THE AMR FOR THIS RIFLE IS: .9512

21 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6B49048

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 6

3 in = 10

HS= 2.501

VS= 2.443

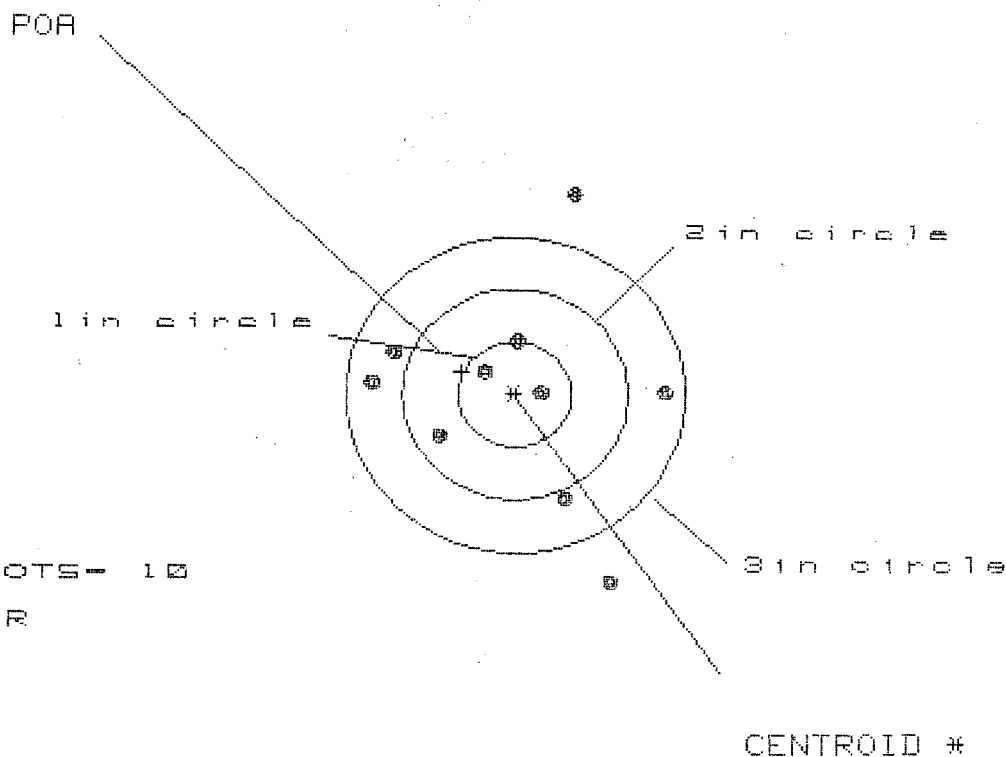
GS= 2.630

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.325	1.194	.422
MINIMUM X	-1.176	-.602	-.452
MAXIMUM Y	1.169	1.081	1.072
MINIMUM Y	-1.274	-1.362	-1.371
CENTROID X	.038	.169	.019
CENTROID Y	-.196	-.108	-.099
POA TO CENTROID in.	.199	.200	.101
MIN RADIUS	.423	.267	.385
MEAN RADIUS	.866	.790	.729
MAX RADIUS	1.418	1.362	1.377
HORIZONTAL SPREAD	2.501	1.796	.874
VERTICAL SPREAD	2.443	2.443	2.443
EXTREME SPREAD	2.630	2.447	2.447
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	10		

21 Nov 1991

FILE:/PATTERNING/CENTERFIRE_PATT/CG645048

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 4

3 in = 8

HS= 2.641

VS= 3.682

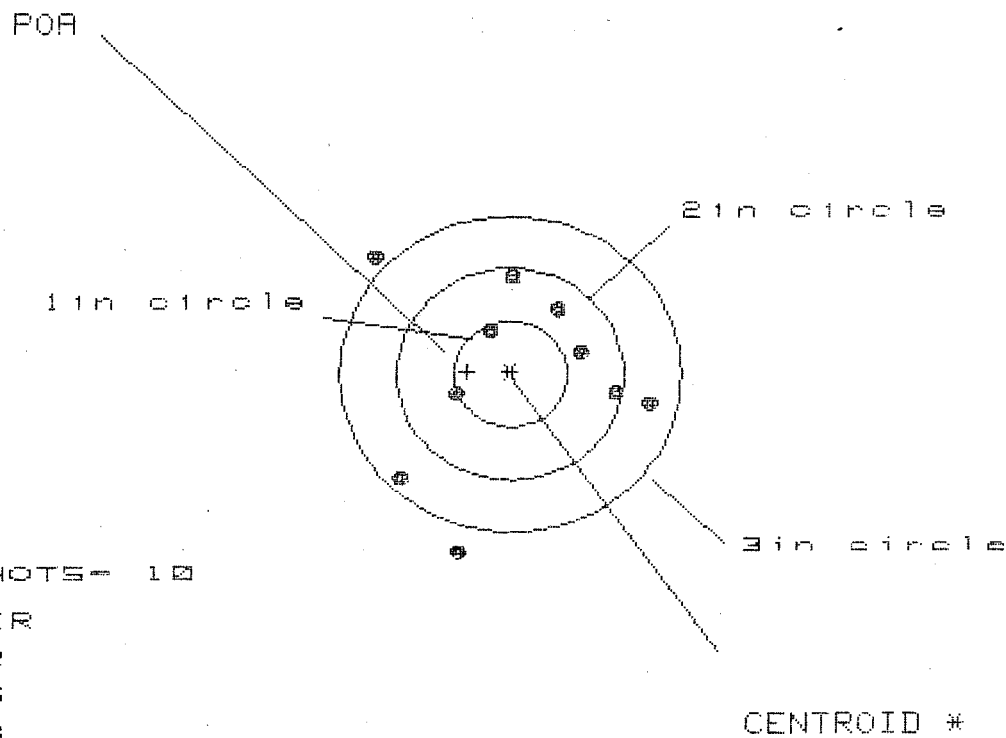
GS= 3.692

PATTERN #	2	2	2
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.344	1.432	1.509
MINIMUM X	-1.297	-1.209	-1.132
MAXIMUM Y	1.881	1.681	.550
MINIMUM Y	-1.801	-1.161	-.951
CENTROID X	.470	.382	.305
CENTROID Y	-.214	-.014	-.224
POA TO CENTROID in.	.517	.382	.378
MIN RADIUS	.194	.158	.226
MEAN RADIUS	1.067	.944	.831
MAX RADIUS	1.968	1.790	1.510
HORIZONTAL SPREAD	2.641	2.641	2.641
VERTICAL SPREAD	3.682	2.842	1.501
EXTREME SPREAD	3.692	2.844	2.641
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		4	
NUMBER IN THREE INCH CIRCLE =		8	

21 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6649048

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 2

2in = 6

3in = 8

HS= 2.406

VS= 2.766

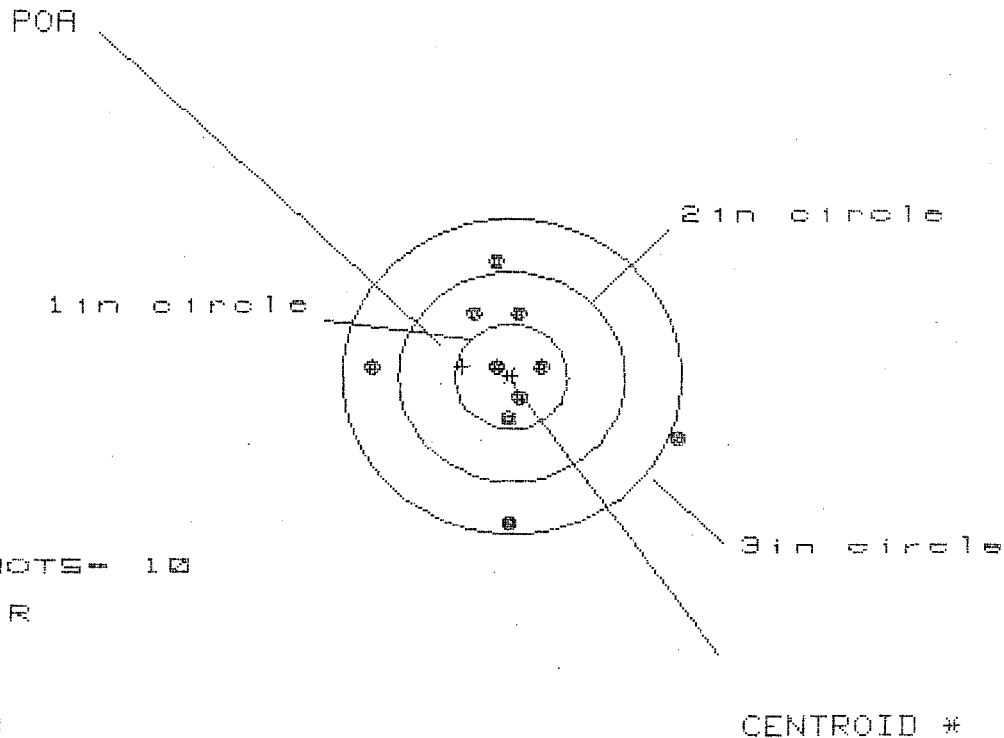
GS= 2.858

PATTERN #	:	3	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.230	1.179	1.026
MINIMUM X	:	-1.176	-1.227	-1.187
MAXIMUM Y	:	1.128	.946	.856
MINIMUM Y	:	-1.638	-1.197	-1.079
CENTROID X	:	.378	.429	.582
CENTROID Y	:	-.019	.163	.045
POA TO CENTROID in.	:	.379	.459	.584
MIN RADIUS	:	.453	.331	.446
MEAN RADIUS	:	1.023	.910	.826
MAX RADIUS	:	1.700	1.582	1.604
HORIZONTAL SPREAD	:	2.406	2.406	2.213
VERTICAL SPREAD	:	2.766	2.143	1.935
EXTREME SPREAD	:	2.858	2.798	2.325
NUMBER IN ONE INCH CIRCLE =	:	2		
NUMBER IN TWO INCH CIRCLE =	:	6		
NUMBER IN THREE INCH CIRCLE =	:	8		

21 Nov 1991

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CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in = 4

2in = 6

3in = 9

HS= 2.615

VS= 2.473

GS= 2.705

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.431	.422	.445
MINIMUM X	:	-1.184	-1.025	-1.002
MAXIMUM Y	:	1.074	1.003	.820
MINIMUM Y	:	-1.399	-1.470	-1.603
CENTROID X	:	.429	.270	.247
CENTROID Y	:	-.104	-.033	.150
POA TO CENTROID in.	:	.441	.272	.289
MIN RADIUS	:	.152	.090	.160
MEAN RADIUS	:	.744	.649	.538
MAX RADIUS	:	1.566	1.481	1.022
HORIZONTAL SPREAD	:	2.615	1.447	1.447
VERTICAL SPREAD	:	2.473	2.473	1.422
EXTREME SPREAD	:	2.705	2.477	1.469
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

21 Nov 1991

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CENTERFIRE PATTERNS # 5

POA

1in circle

2in circle

2in circle

CENTROID *

OF SHOTS- 10

IN CIR

1in = 0

2in = 6

3in = 7

HS= 2.289

VS= 3.199

GS= 3.599

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.145	1.018	.839
MINIMUM X	:	-1.144	-1.012	-.885
MAXIMUM Y	:	1.658	1.487	1.286
MINIMUM Y	:	-1.540	-1.613	-.737
CENTROID X	:	.234	.361	.234
CENTROID Y	:	-.248	-.077	.124
POA TO CENTROID in.	:	.341	.369	.265
MIN RADIUS	:	.527	.422	.185
MEAN RADIUS	:	1.056	.923	.776
MAX RADIUS	:	1.919	1.907	1.456
HORIZONTAL SPREAD	:	2.289	2.030	1.724
VERTICAL SPREAD	:	3.199	3.100	2.023
EXTREME SPREAD	:	3.599	3.599	2.421
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		7	