

C6636217

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



BARBER - M24 0031848

Remington



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

MODEL 700TM M24

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

20

SERIAL NO.
C6636217

ORDER NO.
5716



5716 C6636217

UPC



0 47700 25716 7

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 0031848 0031887

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6636217

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		5/3/91	KS
600	Proof		5/3/91	KS
607	Check Headspace		5/3/91	KS
610	Dis-assemble Gun		5/3/91	KS
612	Magnaflux Barrel Action	5 6 9 1		WCD
	Magnaflux Bolt	5 6 9 1		WCD
615	Rollmark Caliber	5 6 9 1		C.B.
617	Drill and Tap Sight Holes	5 15 9 1		FB
618	Polish Barrel	5 15 9 1		WCB
620	Apply Coatings (Barrel Action)		5-8-91	DA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		6/4/91	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		6/4/91	KS
	C) Inspect Ejector Hole for Chamfer		6/4/91	KS
	D) Oil Firing Pin Ass'y		6/4/91	KS
	E) Adjust Trigger Pull to Min Setting and Stake		6-6-91	JS

op. #	BARBER M24 0031850	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			6-6-91	JU
	G) Safety Off Force	3	3	3			6-6-91	JU
	H) Trigger Pull Test & Retainability						6-6-91	JL
	I) Firing Pin Indent	1023	1022	1022			6-6-91	JL
	J) Assemble Stock						6/6/91	KS
	K) Assemble Swivel Studs						6-8-91	D/H
	L) Attach Front and Rear Sight Assemblies						6/6/91	KS
	M) Iron Sight Alignment						6/6/91	KS
	N) Detach Front & Rear Sights & place in numbered container						6/6/91	KS
	O) Attach Scope to Rifle						6/6/91	KS
	P) Detach & Attach Scope 20 Times						6/6/91	KS
640	Gallery Target & Test						6/7/91	KT
	A) Time						"	KT
	B) Malfunctions						"	KT
	C) Pierced Primers						"	KT
	D) Optical Clarity of Scope						"	KT
645	Inspect for Live Ammo						6/7/91	KT
655	Final Inspection							
	A) Headspace						6-8-91	D/H
	B) Trigger Pull	2.22	2.44	2.28	2.27	2.19	6-8-91	JL
	C) Function						6-8-91	D/H
660	Pack						9-18-91	N

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

SERIAL NO. 0636217DATE 6-6-91TESTER JRL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.20	2.23	2.38	2.22	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.20	2.34	2.40	2.44	
PULL #3	2.14	2.36	2.44	2.28	
PULL #4	2.31	2.16	2.39	2.27	
PULL #5	2.31	2.44	2.39	2.19	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.19	3.26		
PULL #2	3.29	3.35		
PULL #3	3.25	3.25		
PULL #4	3.37	3.33		
PULL #5	3.29	3.35		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.53	4.47		4.24
PULL #2	4.50	4.45		4.34
PULL #3	4.50	4.44		4.42
PULL #4	4.39	4.49		4.44
PULL #5	4.45	4.30		4.40
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6636217
7 Jun 1991

CENTROIDAL DISTANCES

0 TO	1	.164347
1 TO	2	.160655
1 TO	3	.388228
1 TO	4	.340708
1 TO	5	.303216

to <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0722
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0008
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0722044
THE AMR FOR THIS RIFLE IS: .891

7 Jun 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6636217

CENTERFIRE PATTERNS # 1

POA

1in circle

2in circle

3in circle

OF SHOTS - 10

IN CIR

1in = 5

2in = 9

3in = 9

IS = 2.005

VS = 1.683

QS = 2.273

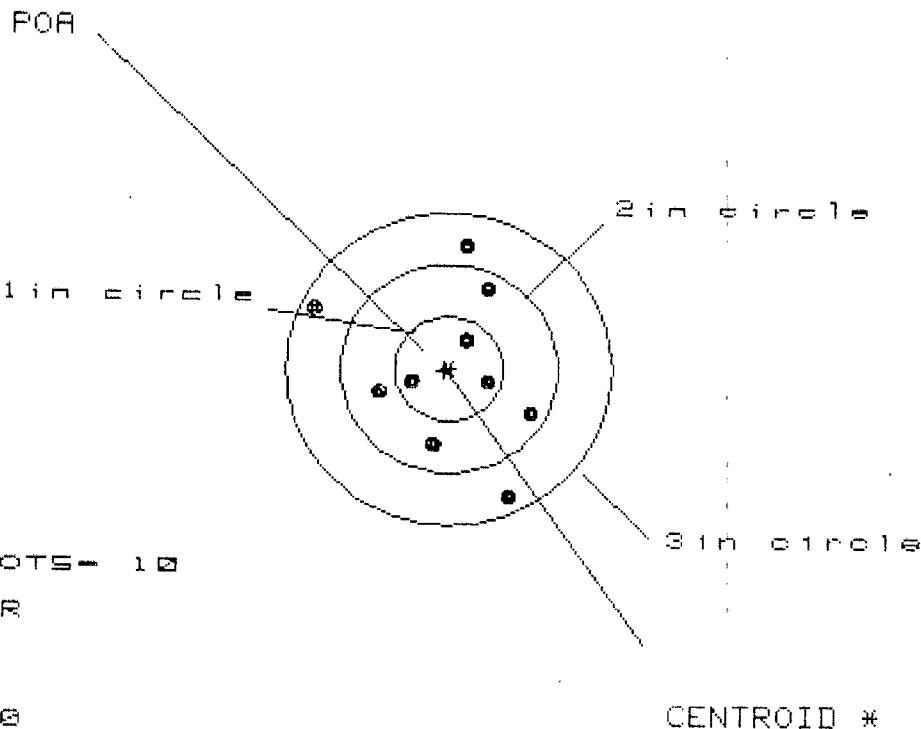
CENTROID *

PATTERN #	:	1	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.586	.419	.485
MINIMUM X	:	-1.499	-.575	-.589
MAXIMUM Y	:	.705	.776	.662
MINIMUM Y	:	-.978	-.907	-.733
CENTROID X	:	-.033	.134	.148
CENTROID Y	:	.161	.090	.204
POA TO CENTROID in.	:	.165	.161	.252
MIN RADIUS	:	.176	.231	.178
MEAN RADIUS	:	.684	.547	.485
MAX RADIUS	:	1.631	.914	.940
HORIZONTAL SPREAD	:	2.085	.994	.994
VERTICAL SPREAD	:	1.683	1.683	1.395
EXTREME SPREAD	:	2.273	1.733	1.646
NUMBER IN ONE INCH CIRCLE	=		5	
NUMBER IN TWO INCH CIRCLE	=		9	
NUMBER IN THREE INCH CIRCLE	=		9	

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CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 7

3 in = 10

HS= 1.938

VS= 2.447

GS= 2.543

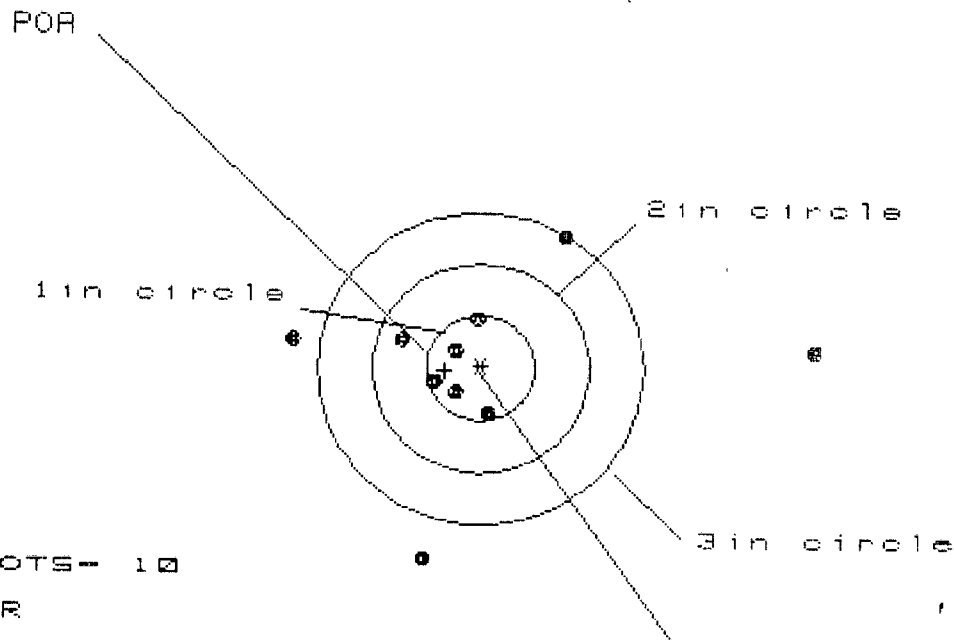
CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.740	.806	.665
MINIMUM X	-1.198	-1.132	-.761
MAXIMUM Y	1.202	1.064	1.116
MINIMUM Y	-1.245	-.836	-.784
CENTROID X	.044	-.022	.119
CENTROID Y	.020	.158	.106
POA TO CENTROID in.	.048	.160	.160
MIN RADIUS	.325	.256	.218
MEAN RADIUS	.813	.748	.672
MAX RADIUS	1.380	1.208	1.124
HORIZONTAL SPREAD	1.938	1.938	1.426
VERTICAL SPREAD	2.447	1.900	1.900
EXTREME SPREAD	2.543	2.191	1.930
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		10	

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CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 5

2 in = 6

3 in = 7

HS= 4.821

VS= 3.092

GS= 4.823

CENTROID #

PATTERN #	3	3	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	3.073	1.082	1.053
MINIMUM X	-1.748	-1.406	-1.435
MAXIMUM Y	1.283	1.303	1.079
MINIMUM Y	-1.809	-1.789	-.627
CENTROID X	.331	-.011	.018
CENTROID Y	.026	.006	.230
POA TO CENTROID in.	.332	.013	.231
MIN RADIUS	.288	.120	.087
MEAN RADIUS	1.089	.790	.666
MAX RADIUS	3.079	1.804	1.508
HORIZONTAL SPREAD	4.821	2.488	2.488
VERTICAL SPREAD	3.092	3.092	1.706
EXTREME SPREAD	4.823	3.358	2.671
NUMBER IN ONE INCH CIRCLE =	5		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	7		

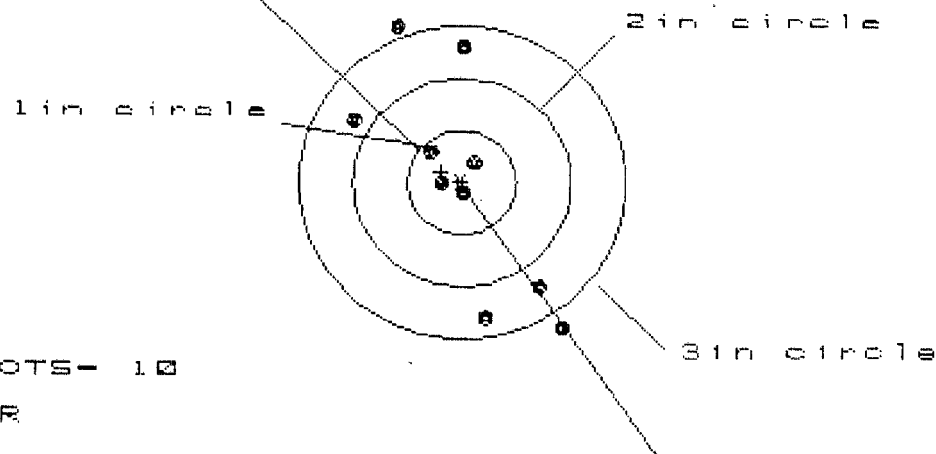
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CENTERFIRE PATTERNS

4

POA



OF SHOTS- 10

IN CIR

1in = 4

2in = 4

3in = 8

HS= 1.901

VS= 2.910

GS= 3.271

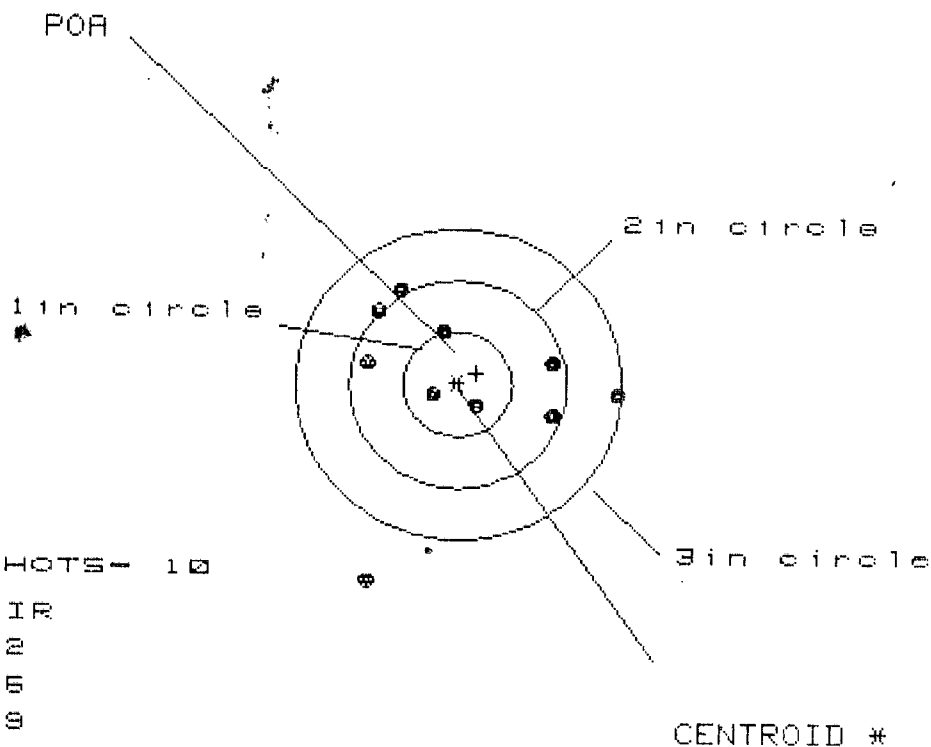
CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.906	.858	.797
MINIMUM X	:	-.995	-.895	-.956
MAXIMUM Y	:	1.481	1.322	1.321
MINIMUM Y	:	-1.429	-1.427	-1.262
CENTROID X	:	.186	.086	.147
CENTROID Y	:	-.100	.059	-.106
POA TO CENTROID in.	:	.211	.104	.181
MIN RADIUS	:	.150	.172	.142
MEAN RADIUS	:	.937	.835	.756
MAX RADIUS	:	1.692	1.471	1.325
HORIZONTAL SPREAD	:	1.901	1.753	1.753
VERTICAL SPREAD	:	2.910	2.749	2.583
EXTREME SPREAD	:	3.271	2.875	2.590
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		8	

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CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 2

2in = 5

3in = 9

HS= 2.300

VS= 2.798

GS= 2.935

PATTERN #	5	5	5
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.438	1.342	.948
MINIMUM X	-.862	-.921	-.753
MAXIMUM Y	.876	.663	.624
MINIMUM Y	-1.922	-.539	-.578
CENTROID X	-.167	-.071	-.239
CENTROID Y	-.111	.102	.141
POA TO CENTROID in.	.201	.125	.278
MIN RADIUS	.221	.377	.277
MEAN RADIUS	.932	.790	.687
MAX RADIUS	2.106	1.378	1.111
HORIZONTAL SPREAD	2.300	2.263	1.701
VERTICAL SPREAD	2.798	1.202	1.202
EXTREME SPREAD	2.935	2.317	1.919
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		9	