

C6611794

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5715**

*Includes 1 in chamber.



BARBER - M24 0036089

UPC



Remington **DUPONT** REG U.S. PAT & TM OFF

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

MODEL 700TM M24

SERIAL NO.
C6611794

ORDER NO.
5716

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

20

5716 C6611794

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 003608936128

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6611794

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		1/24/91	KS
600	Proof		1/24/91	KS
607	Check Headspace		1/24/91	KS
610	Dis-assemble Gun		1/24/91	KS
612	Magnaflux Barrel Action		1/24/91	KR
	Magnaflux Bolt		"	KR
615	Rollmark Caliber		"	JS
617	Drill and Tap Sight Holes	2 2	91	FB
618	Polish Barrel <i>RBB</i>	2 2	91	WB
620	Apply Coatings (Barrel Action)		2-11-91	JS
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		2/28/91	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		2/28/91	KS
	C) Inspect Ejector Hole for Chamfer		2/28/91	KS
	D) Oil Firing Pin Ass'y		2/28/91	KS
	E) Adjust Trigger Pull to Min Setting and Stake		2/27/91	DH

op. #	BARBER - M24 0036091 OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			3/1/91	WB
	G) Safety Off Force	2 1/2	2 1/2	2 1/2			3/1/91	WB
	H) Trigger Pull Test & Retainability						2/27/91	DH
	I) Firing Pin Indent	.022	.022	.022			3/1/91	WB
	J) Assemble Stock						3/5/91	KH
	K) Assemble Swivel Studs						3-11-91	DH
	L) Attach Front and Rear Sight Assemblies						3/5/91	KH
	M) Iron Sight Alignment						3/5/91	KH
	N) Detach Front & Rear Sights & place in numbered container						3/5/91	KH
	O) Attach Scope to Rifle						3/5/91	KH
	P) Detach & Attach Scope 20 Times						3/5/91	KH
640	Gallery Target & Test						3-6-91	AC
	A) Time						3-6-91	AC
	B) Malfunctions						3-6-91	AC
	C) Pierced Primers						3-6-91	AC
	D) Optical Clarity of Scope						3-6-91	AC
645	Inspect for Live Ammo						3-6-91	AC
655	Final Inspection							
	A) Headspace						3-11-91	DH
	B) Trigger Pull	2.43	2.20	2.26	2.30	2.30	3/9/91	JCP
	C) Function						3-11-91	DH
660	Pack						3-18-91	N

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6611 ⁷⁹⁴ ~~625~~

DATE 2-27-91

TESTER D/H

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.52	2.68	2.51	2.43	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.52	2.50	2.51	2.20	
PULL #3	2.49	2.66	2.51	2.26	
PULL #4	2.48	2.70	2.45	2.30	
PULL #5	2.54	2.75	2.53	2.30	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.34	3.54		
PULL #2	3.21	3.53		
PULL #3	3.19	3.61		
PULL #4	3.39	3.42		
PULL #5	3.45	3.61		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.24	4.56		4.04
PULL #2	4.40	4.52		4.21
PULL #3	4.26	4.63		4.20
PULL #4	4.44	4.53		4.23
PULL #5	3.95	4.51		4.17
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06611794
6 Mar 1991

CENTROIDAL DISTANCES

0 TO 1	.402782
1 TO 2	.525921
1 TO 3	.546717
1 TO 4	.648093
1 TO 5	.398321

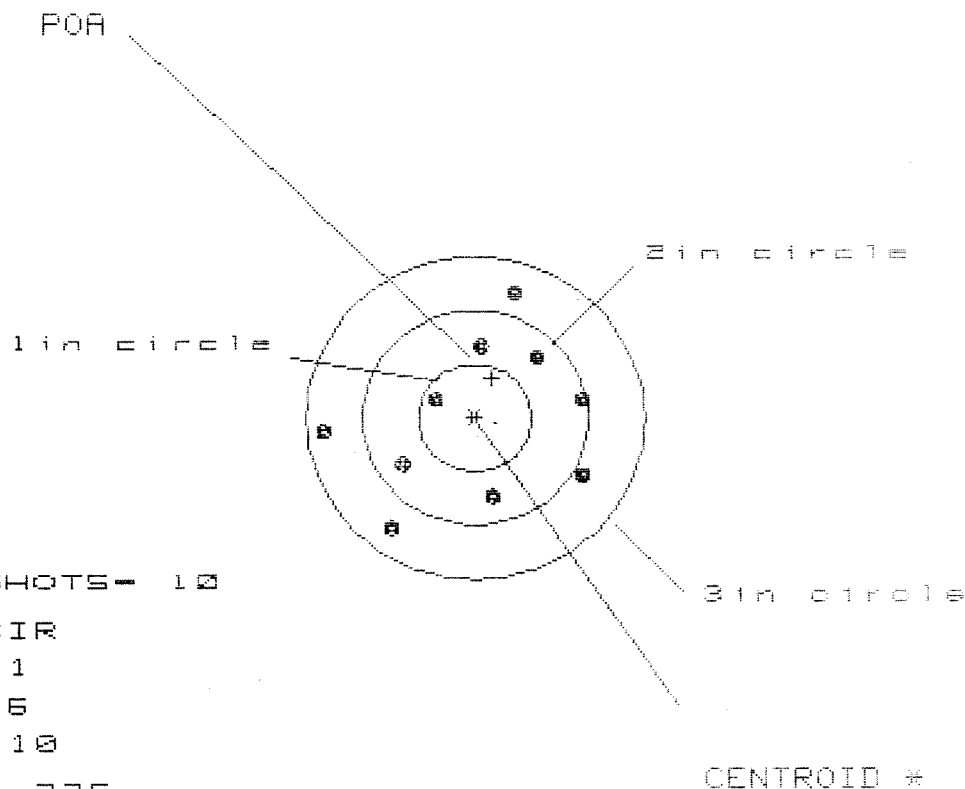
4 23 <----POB
1

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0374
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.018
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0415061
THE AMR FOR THIS RIFLE IS: .9998

6 Mar 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06611794

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1 in - 1

2 in - 6

3 in - 10

HS- 2.326

VS- 2.158

GS- 2.394

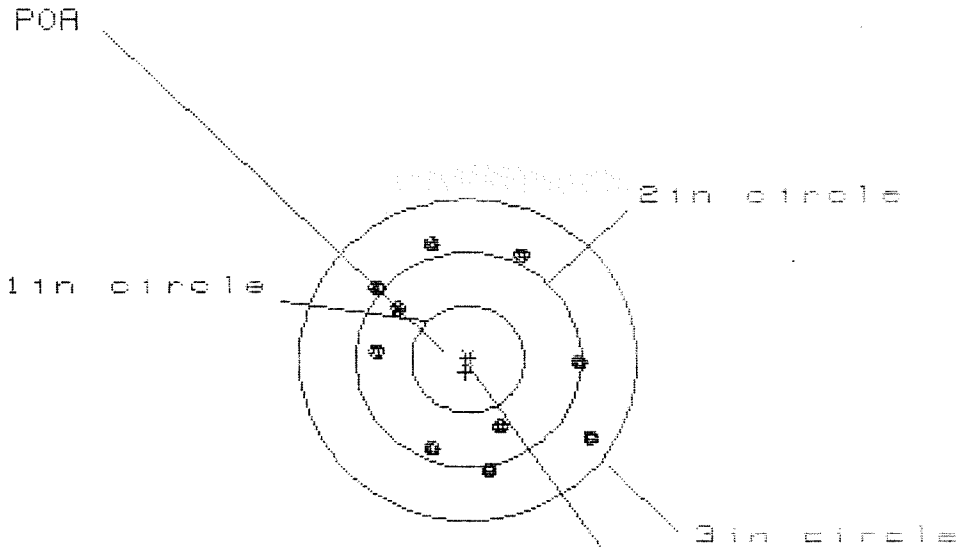
CENTROID *

PATTERN #	:	1	2	3
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.981	.832	.723
MINIMUM X	:	-1.345	-.865	-.903
MAXIMUM Y	:	1.169	1.150	1.024
MINIMUM Y	:	-.989	-1.008	-.848
CENTROID X	:	-.152	-.003	.106
CENTROID Y	:	-.373	-.354	-.228
POA TO CENTROID in.	:	.403	.354	.251
MIN RADIUS	:	.400	.524	.525
MEAN RADIUS	:	.926	.871	.793
MAX RADIUS	:	1.355	1.328	1.063
HORIZONTAL SPREAD	:	2.326	1.697	1.626
VERTICAL SPREAD	:	2.158	2.158	1.872
EXTREME SPREAD	:	2.394	2.394	1.884
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	6		
NUMBER IN THREE INCH CIRCLE	=	10		

6 Mar 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8611794

CENTERFIRE PATTERNS # 2



OF SHOTS - 10

IN CIR

1in - 0

2in - 4

3in - 10

HS - 1.897

VS - 2.047

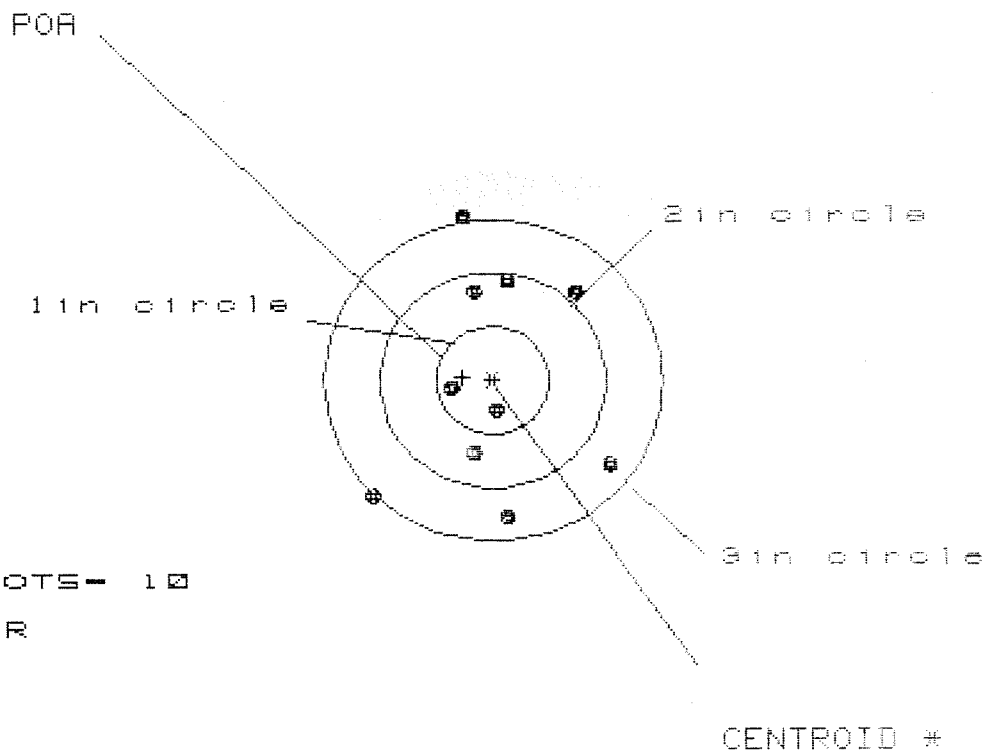
GS - 2.335

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.037	1.133	1.210
MINIMUM X	:	-.860	-.745	-.668
MAXIMUM Y	:	1.026	.948	1.064
MINIMUM Y	:	-1.021	-1.099	-.983
CENTROID X	:	.020	-.095	-.172
CENTROID Y	:	.124	.202	.086
POA TO CENTROID in.	:	.126	.223	.193
MIN RADIUS	:	.728	.655	.637
MEAN RADIUS	:	.988	.944	.907
MAX RADIUS	:	1.249	1.136	1.212
HORIZONTAL SPREAD	:	1.897	1.878	1.878
VERTICAL SPREAD	:	2.047	2.047	2.047
EXTREME SPREAD	:	2.335	2.118	2.118
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		10	

6 Mar 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8611794

CENTERFIRE PATTERNS # 3



OF SHOTS - 10

IN CIR

1in = 2

2in = 5

3in = 9

HS = 2.106

VS = 2.785

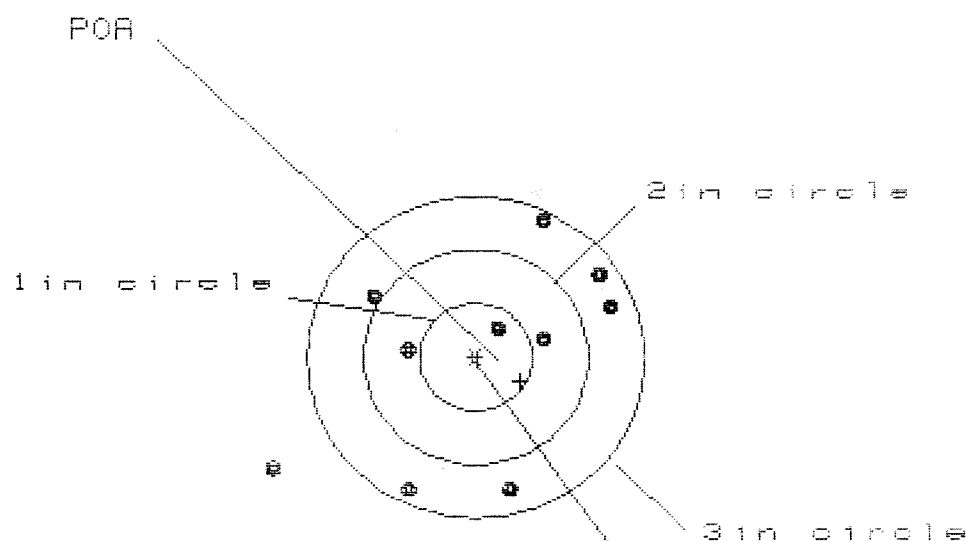
GS = 2.817

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.050	1.018	.882
MINIMUM X	:	-1.056	-1.088	-.537
MAXIMUM Y	:	1.483	1.085	.974
MINIMUM Y	:	-1.302	-1.137	-1.248
CENTROID X	:	.268	.300	.436
CENTROID Y	:	-.023	-.188	-.076
POA TO CENTROID in.	:	.269	.354	.442
MIN RADIUS	:	.248	.082	.238
MEAN RADIUS	:	.987	.906	.862
MAX RADIUS	:	1.510	1.407	1.249
HORIZONTAL SPREAD	:	2.106	2.106	1.419
VERTICAL SPREAD	:	2.785	2.222	2.222
EXTREME SPREAD	:	2.817	2.654	2.254
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

6 Mar 1991

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CENTERFIRE PATTERNS # 4



OF SHOTS - 10

IN CIR

1 in = 1

2 in = 3

3 in = 9

HS = 3.001

VS = 2.504

GS = 3.412

CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.185	.983	.883
MINIMUM X	:	-1.816	-1.128	-1.228
MAXIMUM Y	:	1.255	1.138	.967
MINIMUM Y	:	-1.249	-1.366	-1.537
CENTROID X	:	-.397	-.195	-.095
CENTROID Y	:	.227	.344	.515
POA TO CENTROID in.	:	.457	.395	.523
MIN RADIUS	:	.347	.144	.076
MEAN RADIUS	:	1.147	.990	.875
MAX RADIUS	:	2.098	1.582	1.537
HORIZONTAL SPREAD	:	3.001	2.111	2.111
VERTICAL SPREAD	:	2.504	2.504	2.504
EXTREME SPREAD	:	3.412	2.756	2.513
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		9	

8 Mar 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08611794

CENTERFIRE PATTERNS # 5

POA

1 in circle

2 in circle

3 in circle

CENTROID #

OF SHOTS - 10

IN CIR

1 in - 2

2 in - 6

3 in = 8

HS = 2.488

VS = 2.699

GS = 2.926

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.994	1.024	.841
MINIMUM X	:	-1.494	-1.464	-.822
MAXIMUM Y	:	1.641	1.037	.975
MINIMUM Y	:	-1.058	-.876	-.939
CENTROID X	:	.074	.044	.227
CENTROID Y	:	-.045	-.227	-.164
POA TO CENTROID in.	:	.087	.231	.280
MIN RADIUS	:	.117	.113	.102
MEAN RADIUS	:	.951	.864	.768
MAX RADIUS	:	1.663	1.548	1.287
HORIZONTAL SPREAD	:	2.488	2.488	1.663
VERTICAL SPREAD	:	2.699	1.913	1.913
EXTREME SPREAD	:	2.926	2.926	2.096
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		8	