

C6611717

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

M2400034768

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON




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

MODEL 700™ M24

SERIAL NO.
C6611717

ORDER NO.
5716

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

UPC



0 47700 25716 7



5716 C6611717

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6611717

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	3 20	5 1	RW
600	Proof	3 20	9 1	RW
607	Check Headspace	3 28	9 1	RW
610	Dis-assemble Gun	3 28	9 1	RW
612	Magnaflux Barrel Action		APR 2 1991	KR
	Magnaflux Bolt		APR 2 1991	U
615	Rollmark Caliber		APR 2 1991	LS
617	Drill and Tap Sight Holes		APR 5 1991	LB
618	Polish Barrel		APR 5 1991	WB
620	Apply Coatings (Barrel Action)		4-9-91	TH
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		5/10/91	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/10/91	RW
	C) Inspect Ejector Hole for Chamfer		5/10/91	RW
	D) Oil Firing Pin Ass'y		5/10/91	RW
	E) Adjust Trigger Pull to Min Setting and Stake		5-20-91	PH

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			5-21-91	DH
	G) Safety Off Force	3	3	3			5-21-91	DH
	H) Trigger Pull Test & Retainability						5-20-91	DH
	I) Firing Pin Indent	1020	1020	1020			5-21-91	DH
	J) Assemble Stock						5/22/91	RW
	K) Assemble Swivel Studs						6-1-91	DH
	L) Attach Front and Rear Sight Assemblies						5/22/91	RW
	M) Iron Sight Alignment						5/22/91	RW
	N) Detach Front & Rear Sights & place in numbered container						5/22/91	RW
	O) Attach Scope to Rifle						5/22/91	RW
	P) Detach & Attach Scope 20 Times						5/22/91	RW
640	Gallery Target & Test						5/23/91	KT
	A) Time						"	KT
	B) Malfunctions						"	KT
	C) Pierced Primers						"	KT
	D) Optical Clarity of Scope						"	KT
645	Inspect for Live Ammo						5/23/91	KT
655	Final Inspection							
	A) Headspace						6-1-91	DH
	B) Trigger Pull	242	240	247	258	243	6/1/91	DH
	C) Function						6-1-91	DH
660	Pack						6-20-91	RW

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. CCG11717

DATE 5-20-91

TESTER DH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.45	2.49	2.47	2.42	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.44	2.42	2.48	2.40	
PULL #3	2.36	2.43	2.41	2.47	
PULL #4	2.25	2.42	2.45	2.58	
PULL #5	2.33	2.36	2.45	2.43	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.09	3.08		
PULL #2	3.00	3.12		
PULL #3	3.02	2.94		
PULL #4	2.98	3.03		
PULL #5	3.02	2.86		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.41	4.52		4.36
PULL #2	4.42	4.54		4.35
PULL #3	4.00	4.42		4.31
PULL #4	3.92	4.49		4.37
PULL #5	4.16	4.43		4.34
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6611717
23 May 1991

CENTROIDAL DISTANCES

0 TO 1	.534805
1 TO 2	.404025
1 TO 3	.581055
1 TO 4	.498623
1 TO 5	.788868

2 1
5 4
←---POI

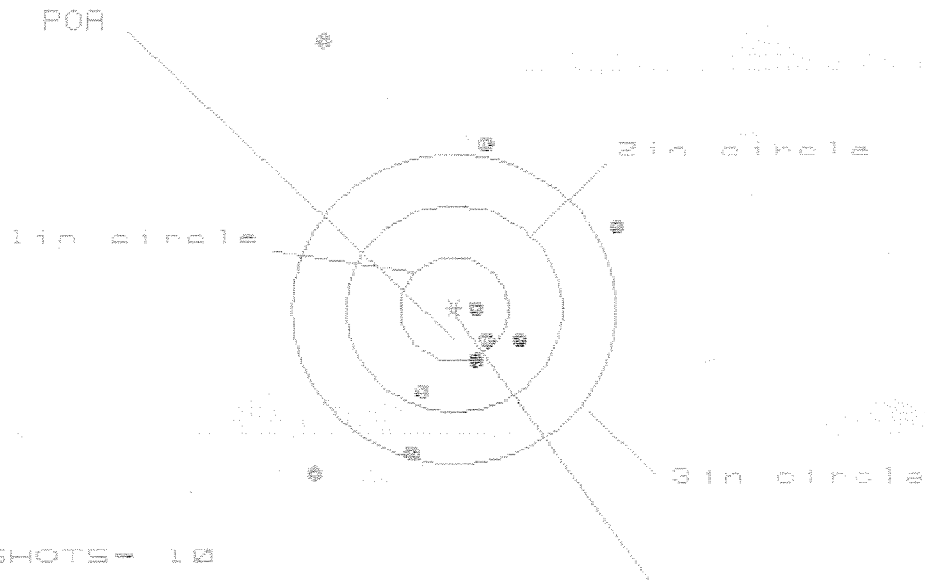
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.136
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1066
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .192758

THE AMR FOR THIS RIFLE IS: 1.039

23 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C9611717

CENTERFIRE PATTERNS # 1



* OF SHOTS= 10

IN CIR

1in = 2

2in = 5

3in = 6

HS= 2.781

VS= 4.266

GS= 4.267

CENTROID #

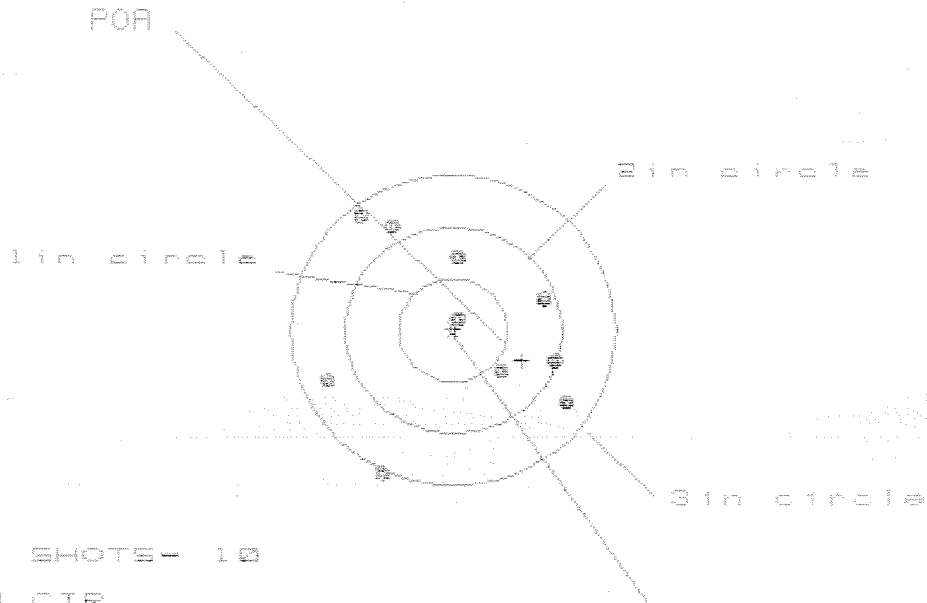
PATTERN

SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.522	1.390	1.216
MINIMUM X	-1.260	-1.391	-0.726
MAXIMUM Y	2.622	1.917	1.748
MINIMUM Y	-1.644	-1.353	-1.383
CENTROID X	-.200	-.068	.106
CENTROID Y	.496	.205	.374
POR TO CENTROID in.	.535	.216	.389
MIN RADIUS	.232	.129	.116
MEAN RADIUS	1.256	.965	.849
MAX RADIUS	2.877	1.940	1.748
HORIZONTAL SPREAD	2.781	2.781	1.942
VERTICAL SPREAD	4.266	3.270	3.051
EXTREME SPREAD	4.267	3.712	3.130
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		6	

23 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8611717

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 5

3 in = 10

HS= 2.197

VS= 2.476

GS= 2.594

CENTROID #

PATTERN #

2

SHOTS (BEST OF)	10	9	8
MAXIMUM X	.990	.920	.863
MINIMUM X	-1.207	-1.277	-1.394
MAXIMUM Y	1.120	.970	.944
MINIMUM Y	-1.356	-.840	-.719
CENTROID X	-.638	-.568	-.451
CENTROID Y	.290	.440	.319
POA TO CENTROID in.	.701	.719	.553
MIN RADIUS	.138	.059	.206
MEAN RADIUS	.902	.896	.832
MAX RADIUS	1.495	1.435	1.492
HORIZONTAL SPREAD	2.197	2.197	2.197
VERTICAL SPREAD	2.476	1.810	1.663
EXTREME SPREAD	2.594	2.594	2.257
NUMBER IN ONE INCH CIRCLE	=	1	
NUMBER IN TWO INCH CIRCLE	=	5	
NUMBER IN THREE INCH CIRCLE	=	10	

23 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8611717

CENTERFIRE PATTERNS

3

POA

1in circle

2in circle

3in circle

OF SHOTS= 10

IN CIR

1in = 3

2in = 8

3in = 9

HE= 2.019

VS= 2.584

GS= 3.279

CENTROID #

PATTERN #

3

SHOTS (BEST OF)

	10	9	8
MAXIMUM X	1.110	1.008	.460
MINIMUM X	-.909	-.870	-.743
MAXIMUM Y	.875	.685	.552
MINIMUM Y	-1.709	-.655	-.570
CENTROID X	.176	.278	.151
CENTROID Y	.053	.243	.150
POA TO CENTROID in.	.184	.369	.219
MIN RADIUS	.100	.289	.206
MEAN RADIUS	.767	.631	.543
MAX RADIUS	1.936	1.219	.779
HORIZONTAL SPREAD	2.019	1.878	1.203
VERTICAL SPREAD	2.584	1.340	1.122
EXTREME SPREAD	3.279	2.109	1.389
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		8	
NUMBER IN THREE INCH CIRCLE =		9	

23 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611717

CENTERFIRE PATTERNS

4

POA

1in circle

2in circle

3in circle

OF SHOTS= 10

IN CIR

1in = 2

2in = 6

3in = 9

HS= 1.310

VS= 3.218

GS= 3.239

CENTROID #

PATTERN #

29

SHOTS (BEST OF)

10

9

8

MAXIMUM X .586 .609 .533

MINIMUM X -.724 -.659 -.583

MAXIMUM Y 2.113 1.145 1.038

MINIMUM Y -1.105 -.870 -.977

CENTROID X .145 .080 .004

CENTROID Y .136 -.099 .008

POA TO CENTROID in. .199 .127 .009

MIN RADIUS .096 .148 .127

MEAN RADIUS .895 .728 .673

MAX RADIUS 2.193 1.154 1.062

HORIZONTAL SPREAD 1.310 1.268 1.116

VERTICAL SPREAD 3.218 2.015 2.015

EXTREME SPREAD 3.239 2.052 2.019

NUMBER IN ONE INCH CIRCLE = 2

NUMBER IN TWO INCH CIRCLE = 6

NUMBER IN THREE INCH CIRCLE = 9

23 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6811717

CENTERFIRE PATTERNS

5

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS- 10

IN CIR

1in = 1

2in = 5

3in = 6

HS= 3.921

VS= 3.235

GS= 4.195

PATTERN #

5

SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.810	1.363	1.137
MINIMUM X	-2.011	-1.810	-0.885
MAXIMUM Y	1.542	1.118	1.195
MINIMUM Y	-1.693	-1.521	-1.445
CENTROID X	-0.163	-0.364	-0.138
CENTROID Y	-0.292	-0.464	-0.541
POA TO CENTROID in.	.335	.590	.558
MIN RADIUS	.255	.355	.476
MEAN RADIUS	1.295	1.178	1.078
MAX RADIUS	2.378	1.911	1.694
HORIZONTAL SPREAD	3.921	3.173	2.022
VERTICAL SPREAD	3.235	2.639	2.639
EXTREME SPREAD	4.195	3.175	3.020
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		6	