

C6611729

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

Remington
MODEL 700TM M24

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

DU PONT
REG. U.S. PAT. & TM. OFF.

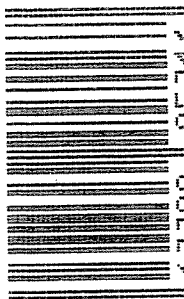
MADE IN LION, N.Y. U.S.A. Reg. U.S. Pat & Tm. Off, Marca Registrada. Marque Deposee.

SERIAL NO. C6611729	ORDER NO. 5716
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5716 C6611729

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6611729

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	1 10 91		RW
600	Proof	1 10 91		RW
607	Check Headspace	1 10 91		RW
610	Dis-assemble Gun	1 10 91		RW
612	Magnaflux Barrel Action		1/16/91	KR
	Magnaflux Bolt		11	KR
615	Rollmark Caliber		11	YL
617	Drill and Tap Sight Holes	1 17 91		LB
618	Polish Barrel	1 17 91		WB
620	Apply Coatings (Barrel Action)		2-12-91	TA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		2/19/91	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		2/19/91	RW
	C) Inspect Ejector Hole for Chamfer		2/19/91	RW
	D) Oil Firing Pin Ass'y		2/19/91	RW
	E) Adjust Trigger Pull to Min Setting and Stake		3/6/91	SL

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			3/6/91	WB
	G) Safety Off Force	3	3	3			3/6/91	WB
	H) Trigger Pull Test & Retainability						3/9/91	JH
	I) Firing Pin Indent	.0215	.0225	.022			3/6/91	WB
	J) Assemble Stock						3/7/91	RW
	K) Assemble Swivel Studs						3-7-91	DH
	L) Attach Front and Rear Sight Assemblies						3/7/91	RW
	M) Iron Sight Alignment						3/7/91	RW
	N) Detach Front & Rear Sights & place in numbered container						3/7/91	RW
	O) Attach Scope to Rifle						3/7/91	RW
	P) Detach & Attach Scope 20 Times						3/7/91	RW
640	Gallery Target & Test						3-7-91	AF
	A) Time						"	AF
	B) Malfunctions						"	AF
	C) Pierced Primers						"	AF
	D) Optical Clarity of Scope						"	AF
645	Inspect for Live Ammo						3-7-91	AF
655	Final Inspection							
	A) Headspace						3-7-91	DH
	B) Trigger Pull	2.31	2.26	2.20	2.25	2.25	3/9/91	JH
	C) Function						3-7-91	DH
660	Pack						3-18-91	AF

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

SERIAL NO. C6611729DATE 3-6-91TESTER JJ

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.34	2.55	2.50	2.31	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.38	2.59	2.49	2.26	
PULL #3	2.26	2.32	2.39	2.20	
PULL #4	2.31	2.37	2.36	2.25	
PULL #5	2.31	2.20	2.30	2.25	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.23	3.28		
PULL #2	3.21	3.27		
PULL #3	3.29	3.33		
PULL #4	3.19	3.28		
PULL #5	3.26	3.39		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.39	4.31		4.39
PULL #2	4.27	4.20		4.31
PULL #3	4.22	4.23		4.30
PULL #4	4.13	4.16		4.36
PULL #5	4.23	4.31		
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6611729
7 Mar 1991

CENTROIDAL DISTANCES

0 TO 1	.624943
1 TO 2	.558033
1 TO 3	.728437
1 TO 4	.883704
1 TO 5	.490254

POI (----POI)

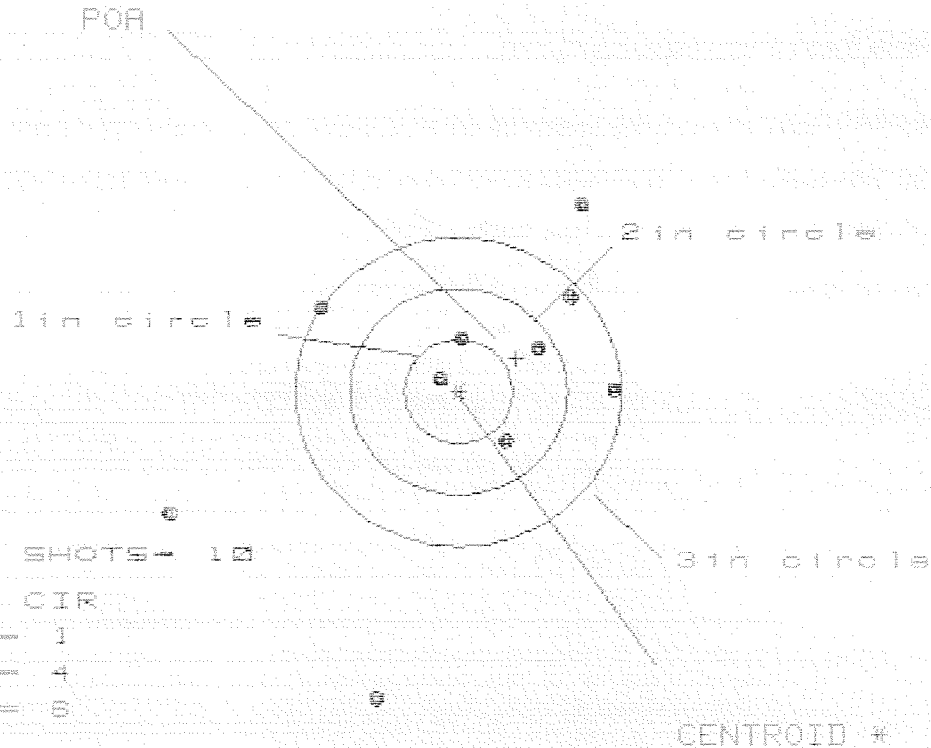
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -1.0366
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -1.1432
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .147883

THE AMR FOR THIS RIFLE IS: 1.055

7 Mar 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8611729

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in - 1

2in - 4

3in - 5

HS- 4.119

VS- 4.741

GS- 5.109

PATTERN #

1

SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.444	1.363	1.019
MINIMUM X	-2.675	-2.756	-1.702
MAXIMUM Y	1.794	1.467	1.273
MINIMUM Y	-2.947	-1.553	-1.046
CENTROID X	-.535	-.454	-.110
CENTROID Y	-.323	.004	.190
POA TO CENTROID in.	.625	.454	.227
MIN RADIUS	.262	.223	.340
MEAN RADIUS	1.401	1.233	.944
MAX RADIUS	3.034	3.163	1.727
HORIZONTAL SPREAD	4.119	4.119	2.721
VERTICAL SPREAD	4.741	3.020	2.319
EXTREME SPREAD	5.109	4.898	2.824
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =		4	
NUMBER IN THREE INCH CIRCLE =		5	

7 Mar 1991

FILE: PATTERNING/CENTERFIRE_PATT/06611729

CENTERFIRE PATTERNS # 2

POA

1 in circle

2 in circle

3 in circle

OF SHOTS = 10

IN CIR

1 in = 1

2 in = 4

3 in = 9

HS = 1.565

VS = 2.570

GS = 2.627

CENTROID #

PATTERN #

2

SHOTS (BEST OF)

10

9

8

MAXIMUM X

.690

.653

.539

MINIMUM X

-.875

-.912

-.594

MAXIMUM Y

1.408

1.217

1.103

MINIMUM Y

-1.082

-.917

-.982

CENTROID X

.014

.051

.165

CENTROID Y

-.223

-.388

-.274

POA TO CENTROID in.

.223

.392

.320

MIN RADIUS

.210

.370

.274

MEAN RADIUS

.981

.914

.853

MAX RADIUS

1.525

1.317

1.253

HORIZONTAL SPREAD

1.565

1.565

1.133

VERTICAL SPREAD

2.570

2.134

2.085

EXTREME SPREAD

2.627

2.582

2.275

NUMBER IN ONE INCH CIRCLE =

1

NUMBER IN TWO INCH CIRCLE =

4

NUMBER IN THREE INCH CIRCLE =

9

7 Mar 1991

FILE:/PATTERNING/CENTERFIRE_PATT/CGB11723

CENTERFIRE PATTERNS # 3

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS= 10

IN CIR

1 in = 1

2 in = 4

3 in = 10

HS= 2.382

VS= 2.108

GS= 2.558

PATTERN #

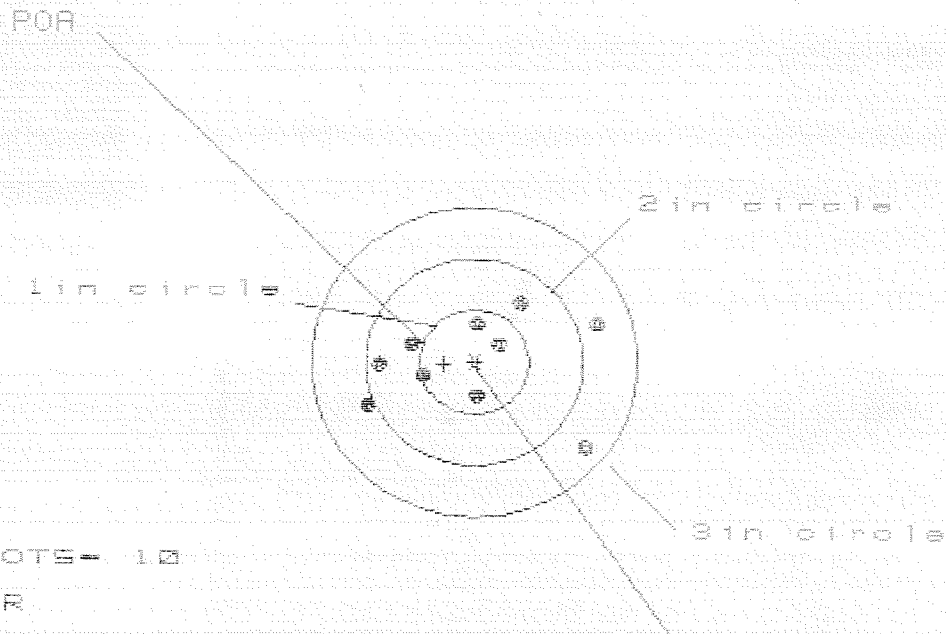
SHOTS (BEST OF)

	10	9	8
MAXIMUM X	1.395	1.473	.783
MINIMUM X	-1.987	-1.832	-1.648
MAXIMUM Y	1.090	1.053	.982
MINIMUM Y	-1.018	-1.055	-1.126
CENTROID X	.151	-.004	-.188
CENTROID Y	-.078	-.041	.030
POA TO CENTROID in.	.170	.041	.191
MIN RADIUS	.294	.171	.149
MEAN RADIUS	.969	.870	.725
MAX RADIUS	1.434	1.578	1.193
HORIZONTAL SPREAD	2.382	2.305	1.431
VERTICAL SPREAD	2.108	2.108	2.108
EXTREME SPREAD	2.558	2.558	2.186
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		4	
NUMBER IN THREE INCH CIRCLE =		10	

7 Mar 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8611729

CENTERFIRE PATTERNS # 4



OF SHOTS - 10

IN CIR

1in = 4

2in = 7

3in = 10

HS = 2.093

VS = 1.395

CS = 2.248

CENTROID *

PATTERN #

4

SHOTS (BEST OF)

10

9

8

MAXIMUM X

1.163

1.278

.649

MINIMUM X

-.930

-.815

-.655

MAXIMUM Y

.586

.496

.534

MINIMUM Y

-.809

-.521

-.483

CENTROID X

.279

.164

.004

CENTROID Y

.021

.111

.073

POA TO CENTROID in.

.279

.198

.073

MIN RADIUS

.281

.327

.266

MEAN RADIUS

.723

.641

.541

MAX RADIUS

1.312

1.313

.840

HORIZONTAL SPREAD

2.093

2.093

1.304

VERTICAL SPREAD

1.395

1.017

1.017

EXTREME SPREAD

2.248

2.248

1.654

NUMBER IN ONE INCH CIRCLE =

4

NUMBER IN TWO INCH CIRCLE =

7

NUMBER IN THREE INCH CIRCLE =

10

2 Apr 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611729

CENTERFIRE PATTERNS

5

POA

1in circle

2in circle

3in circle

OF SHOTS = 10

IN CIR

1in = 1

2in = 4

3in = 8

HS = 2.745

VS = 2.683

GS = 2.874

CENTROID *

PATTERN #

:

5

SHOTS (BEST OF)

:

10

9

8

MAXIMUM X

:

.876

.668

.689

MINIMUM X

:

-1.869

-1.350

-1.329

MAXIMUM Y

:

1.113

1.115

.919

MINIMUM Y

:

-1.570

-1.568

-1.536

CENTROID X

:

-.092

.116

.095

CENTROID Y

:

-.113

-.115

.081

POA TO CENTROID in.

:

.146

.163

.125

MIN RADIUS

:

.450

.408

.559

MEAN RADIUS

:

1.122

1.006

.923

MAX RADIUS

:

1.869

1.577

1.540

HORIZONTAL SPREAD

:

2.745

2.018

2.018

VERTICAL SPREAD

:

2.683

2.683

2.455

EXTREME SPREAD

:

2.874

2.687

2.495

NUMBER IN ONE INCH CIRCLE =

1

NUMBER IN TWO INCH CIRCLE =

4

NUMBER IN THREE INCH CIRCLE =

8