

C6587636

MODEL 700TM M24

Model **SMS** TM

Action

Barrel Length

Capacity

Order No. **5715**

*Includes 1 in chamber.

Remington

Remington
MODEL 700™ M24

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

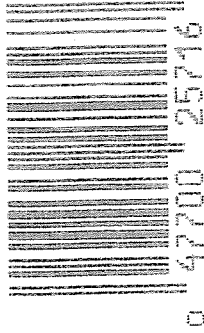
DUPONT
REG. U.S. PAT. & TM. OFF.

SERIAL NO.
C6587636

ORDER NO.
5716

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

UPC



5716 C6587636

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6587636

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	1024	90	RW
600	Proof	1024	90	RW
607	Check Headspace	1024	90	RW
610	Dis-assemble Gun	1024	90	RW
612	Magnaflux Barrel Action		10/30/90	KR
	Magnaflux Bolt		"	KR
615	Rollmark Caliber		"	JS
617	Drill and Tap Sight Holes		11/5/90	FWB
618	Polish Barrel AB		11/6/90	WB
620	Apply Coatings (Barrel Action)		11-28-90	TH
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly		12/12/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		12/12/90	RW
	C) Inspect Ejector Hole for Chamfer		12/12/90	RW
	D) Oil Firing Pin Ass'y		12/12/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		1-3-91	TH

op. #	BARBER - M24 0024155	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4	4	4			1/3/91	WB
	G) Safety Off Force	2	2	2			1/3/91	WB
	H) Trigger Pull Test & Retainability						1-3-91	DH
	I) Firing Pin Indent	.022	.022	.022			1/3/91	WB
	J) Assemble Stock						1/4/91	RW
	K) Assemble Swivel Studs						1-14-91	JH
	L) Attach Front and Rear Sight Assemblies						1/4/91	RW
	M) Iron Sight Alignment						1-4-91	RW
	N) Detach Front & Rear Sights & place in numbered container						1/4/91	RW
	O) Attach Scope to Rifle						1/4/91	RW
	P) Detach & Attach Scope 20 Times						1/4/91	RW
640	Gallery Target & Test						1/11/91	KJ
	A) Time							KJ
	B) Malfunctions							KJ
	C) Pierced Primers							KJ
	D) Optical Clarity of Scope							KJ
645	Inspect for Live Ammo						1/11/91	KJ
655	Final Inspection							
	A) Headspace						1-14-91	JH
	B) Trigger Pull	2.05	2.10	2.11	2.11	2.11	1-14-91	JH
	C) Function						1-14-91	JH
660	Pack						3-19-91	NF

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. CG587636DATE 1-3-91TESTER DH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.49	2.45	2.51	2.05	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.49	2.36	2.57	2.10	
PULL #3	2.45	2.25	2.60	2.11	
PULL #4	2.47	2.48	2.55	2.11	
PULL #5	2.40	2.34	2.56	2.11	
TOTAL	12.30	12.88	12.79		
AVG.	2.46	2.51	2.55		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.10	3.20		
PULL #2	3.20	3.21		
PULL #3	3.06	3.12		
PULL #4	3.27	3.03		
PULL #5	3.21	3.01		
TOTAL	15.84	15.57		
AVG.	3.16	3.11		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.41	4.79		4.11
PULL #2	4.21	4.36		4.11
PULL #3	4.28	4.18		4.15
PULL #4	4.25	4.11		4.11
PULL #5	4.16	4.25		4.02
TOTAL	21.31	21.09		20.50
AVG.	4.26	4.21		4.10

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6587636
11 Jan 1991

CENTROIDAL DISTANCES

0 TO	1	.171747
1 TO	2	.1014
1 TO	3	.273247
1 TO	4	.0440454
1 TO	5	.344023

20 <----FOR

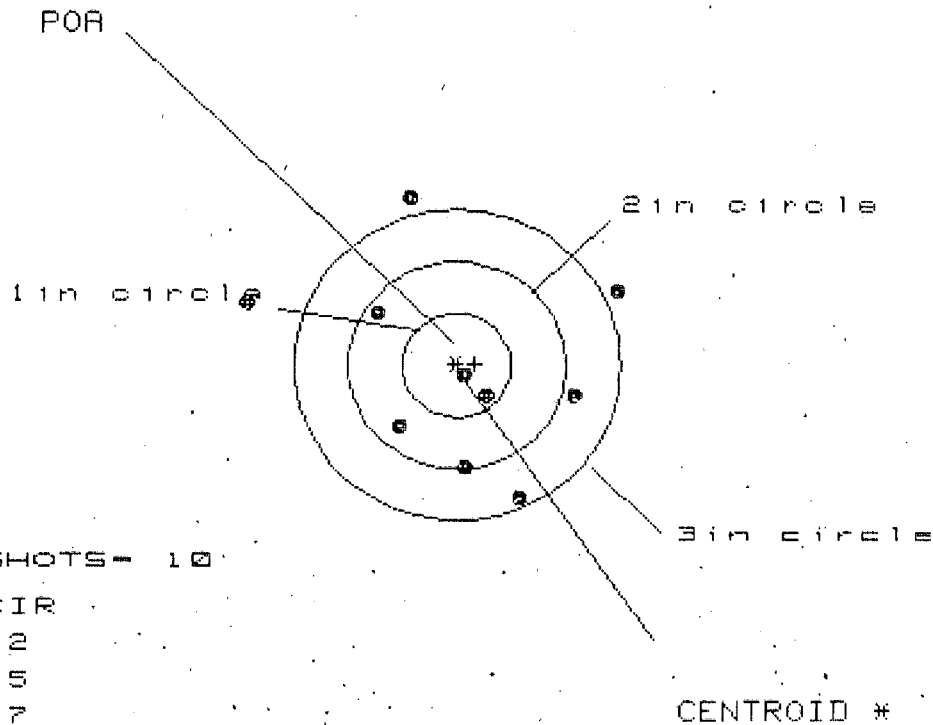
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0396
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.023
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0457948

THE AMR FOR THIS RIFLE IS: 1.14

(1 Jan 1991)

FILE:/PATTERNING/CENTERFIRE_PATT/CG587636

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 2

2in = 5

3in = 7

HS= 3.338

VS= 2.853

GS= 3.340

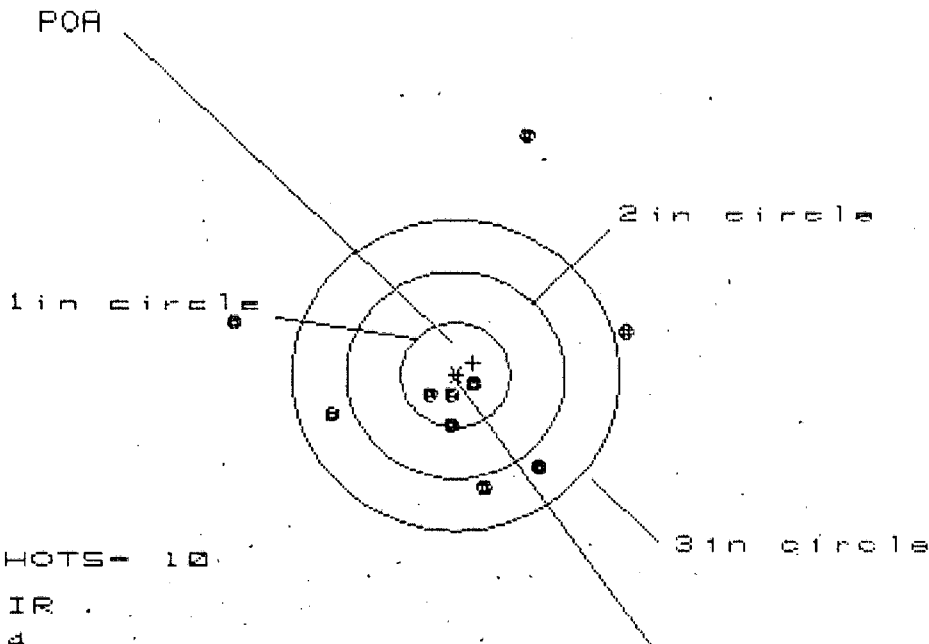
PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.453	1.243	1.161
MINIMUM X	-1.885	-0.967	-1.049
MAXIMUM Y	1.570	1.638	1.001
MINIMUM Y	-1.283	-1.215	-1.010
CENTROID X	-0.171	.039	.121
CENTROID Y	-0.016	-0.084	-0.289
POA TO CENTROID in.	.171	.093	.313
MIN RADIUS	.060	.186	.027
MEAN RADIUS	1.091	.974	.830
MAX RADIUS	1.982	1.766	1.533
HORIZONTAL SPREAD	3.338	2.210	2.210
VERTICAL SPREAD	2.853	2.853	2.011
EXTREME SPREAD	3.340	3.040	2.313
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	7		

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CENTERFIRE PATTERNS

2



OF SHOTS - 10

IN CIR

1 in = 4

2 in = 4

3 in = 7

HS = 3.596

VS = 3.355

GS = 3.597

PATTERN #

2

SHOTS (BEST OF)

10

9

8

MAXIMUM X

1.556

1.633

1.387

MINIMUM X

-2.040

-1.963

-1.293

MAXIMUM Y

2.299

.762

.775

MINIMUM Y

-1.056

-.801

-.706

CENTROID X

-.162

-.239

.006

CENTROID Y

-.117

-.373

-.468

POA TO CENTROID in.

.200

.443

.468

MIN RADIUS

.207

.088

.212

MEAN RADIUS

1.065

.836

.678

MAX RADIUS

2.401

2.106

1.589

HORIZONTAL SPREAD

3.596

3.596

2.681

VERTICAL SPREAD

3.355

1.563

1.481

EXTREME SPREAD

3.597

3.597

2.797

NUMBER IN ONE INCH CIRCLE =

4

NUMBER IN TWO INCH CIRCLE =

4

NUMBER IN THREE INCH CIRCLE =

7

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FILE:/PATTERNING/CENTERFIRE_PATT/06587636

CENTERFIRE PATTERNS # 3

POA

1in circle

2in circle

3in circle

OF SHOTS- 10

IN CIR

1in = 2

2in = 9

3in = 10

HS= 1.401

VS= 2.252

GS= 2.253

CENTROID *

PATTERN #

3

SHOTS (BEST OF)

10

9

8

MAXIMUM X

.530

.568

.464

MINIMUM X

-.871

-.833

-.704

MAXIMUM Y

1.372

.570

.632

MINIMUM Y

-.880

-.728

-.665

CENTROID X

.099

.061

.165

CENTROID Y

.026

-.126

-.188

POA TO CENTROID in.

.102

.140

.251

MIN RADIUS

.041

.198

.261

MEAN RADIUS

.709

.639

.589

MAX RADIUS

1.413

.970

.773

HORIZONTAL SPREAD

1.401

1.401

1.168

VERTICAL SPREAD

2.252

1.298

1.298

EXTREME SPREAD

2.253

1.677

1.375

NUMBER IN ONE INCH CIRCLE =

2

NUMBER IN TWO INCH CIRCLE =

9

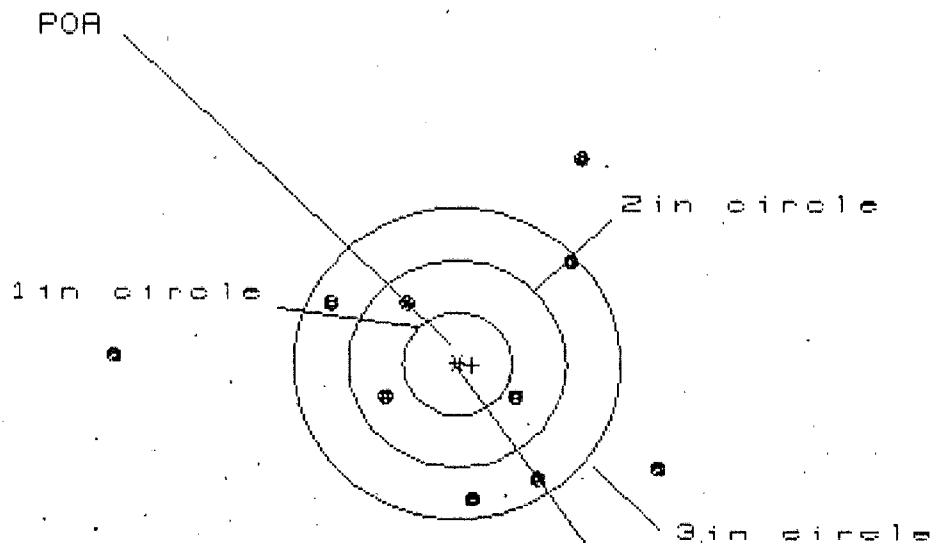
NUMBER IN THREE INCH CIRCLE =

10

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FILE:/PATTERNING/CENTERFIRE_PATT/C6587638

CENTERFIRE PATTERNS # 4



OF SHOTS - 10

IN CIR

1in = 0

2in = 3

3in = 7

HS = 5.003

VS = 3.281

GS = 5.126

CENTROID #

PATTERN #	4		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.805	1.450	1.547
MINIMUM X	-3.198	-1.548	-1.451
MAXIMUM Y	1.938	1.952	1.234
MINIMUM Y	-1.343	-1.329	-1.085
CENTROID X	-.137	.218	.121
CENTROID Y	.012	-.002	-.246
POA TO CENTROID in.	.138	.218	.274
MIN RADIUS	.631	.378	.282
MEAN RADIUS	1.502	1.292	1.147
MAX RADIUS	3.200	2.102	1.713
HORIZONTAL SPREAD	5.003	2.998	2.998
VERTICAL SPREAD	3.281	3.281	2.319
EXTREME SPREAD	5.126	3.427	3.383
NUMBER IN ONE INCH CIRCLE =		0	
NUMBER IN TWO INCH CIRCLE =		3	
NUMBER IN THREE INCH CIRCLE =		7	

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CENTERFIRE PATTERNS # 5

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS- 10

IN CIR

1in = 0

2in = 4

3in = 6

HS= 3.043

VS= 3.810

GS= 4.444

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.624	1.466	1.044
MINIMUM X	-1.419	-1.411	-1.227
MAXIMUM Y	1.557	1.307	1.399
MINIMUM Y	-2.253	-1.477	-1.385
CENTROID X	.173	.331	.147
CENTROID Y	-.020	.230	.138
POA TO CENTROID in.	.174	.403	.202
MIN RADIUS	.609	.325	.529
MEAN RADIUS	1.333	1.152	1.080
MAX RADIUS	2.662	1.664	1.528
HORIZONTAL SPREAD	3.043	2.877	2.271
VERTICAL SPREAD	3.810	2.784	2.784
EXTREME SPREAD	4.444	3.301	2.859
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	6		