

C6636345

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



Remington®
MODEL 700™ M24

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

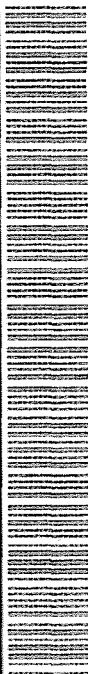
VERY IMPORTANT:
Instruction Book
enclosed to assure
safe use of this
firearm.

SERIAL NO.
C6636345

ORDER NO.
5716

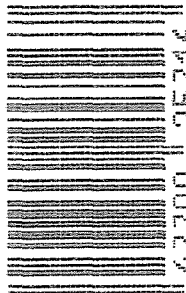
MADE IN LION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.

20



5716 C6636345

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6636345

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	4 30	9 1	RW
600	Proof	4 30	9 1	RW
607	Check Headspace	4 30	9 1	RW
610	Dis-assemble Gun	4 30	9 1	RW
612	Magnaflux Barrel Action	5 6	9 1	KCA
	Magnaflux Bolt	5 6	9 1	KCA
615	Rollmark Caliber	5 6	9 1	GB
617	Drill and Tap Sight Holes	5 10	9 1	FB
618	Polish Barrel	5 10	9 1	WB
620	Apply Coatings (Barrel Action)		5-30-91	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		6/5/91	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		6/5/91	RW
	C) Inspect Ejector Hole for Chamfer		6/5/91	RW
	D) Oil Firing Pin Ass'y		6/5/91	RW
	E) Adjust Trigger Pull to Min Setting and Stake		6-11-91	JH

op. #	BARBER M24 0033301	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	5	5			6-12-91	D/H
	G) Safety Off Force	3	3	3			6-12-91	D/H
	H) Trigger Pull Test & Retainability						6-11-91	JL
	I) Firing Pin Indent	.020	.021	.020			6-12-91	D/H
	J) Assemble Stock						7-22-91	RW
	K) Assemble Swivel Studs						7-23-91	D/H
	L) Attach Front and Rear Sight Assemblies						7-22-91	RW
	M) Iron Sight Alignment						7-22-91	RW
	N) Detach Front & Rear Sights & place in numbered container						7-22-91	RW
	O) Attach Scope to Rifle						7-22-91	RW
	P) Detach & Attach Scope 20 Times						7-22-91	RW
640	Gallery Target & Test						7-22-91	NF
	A) Time						"	NF
	B) Malfunctions						"	NF
	C) Pierced Primers						"	NF
	D) Optical Clarity of Scope						"	NF
645	Inspect for Live Ammo						7-22-91	NF
655	Final Inspection							
	A) Headspace						7-23-91	D/H
	B) Trigger Pull	2.19	2.20	2.38	2.36	2.52	7-23-91	JL
	C) Function						7-23-91	D/H
660	Pack						9-18-91	NF

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6636345

DATE 6-11-91

TESTER JA

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.37	2.25	2.38	2.19	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.40	2.22	2.44	2.20	
PULL #3	2.37	2.64	2.35	2.38	
PULL #4	2.43	2.34	2.59	2.36	
PULL #5	2.47	2.29	2.57	2.52	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.54	3.34		
PULL #2	3.53	3.52		
PULL #3	3.52	3.58		
PULL #4	3.54	3.62		
PULL #5	3.53	3.48		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.49	4.53		4.59
PULL #2	4.45	4.52		4.65
PULL #3	4.49	4.53		4.66
PULL #4	4.49	4.43		4.67
PULL #5	4.25	4.59		4.58
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6636345
22 Jul 1991

CENTROIDAL DISTANCES

0 TO 1	.121116
1 TO 2	.200928
1 TO 3	.229787
1 TO 4	.18457
1 TO 5	.334485

POI ←----POI

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.026
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0534
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0593933

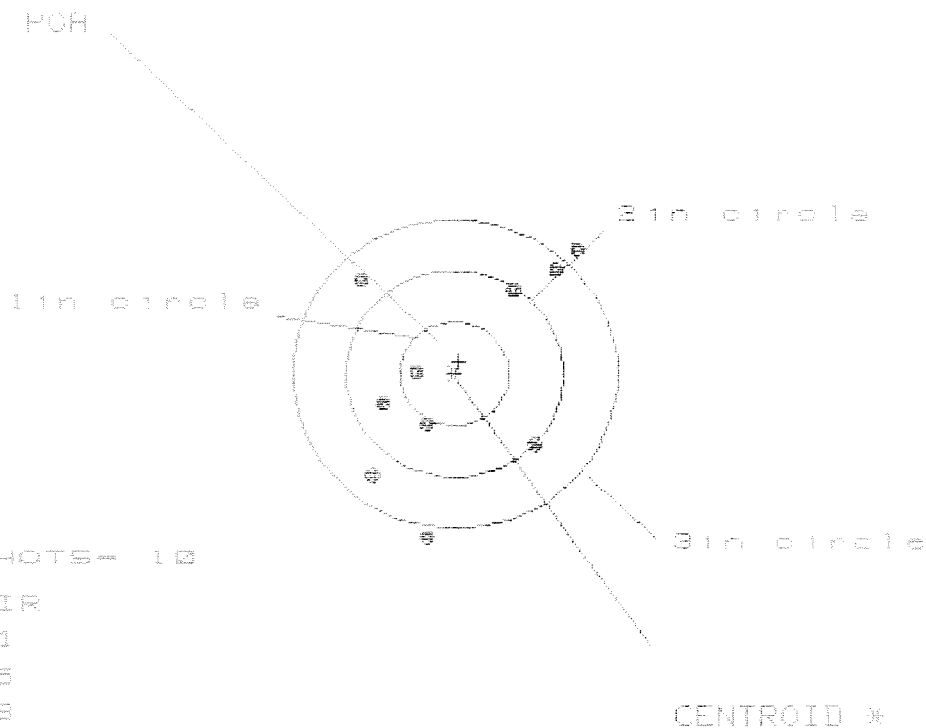
THE AMR FOR THIS RIFLE IS: 1.151

22 Jul 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8886345

CENTERFIRE PATTERNS

1



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 5

3 in = 8

ME = 2.065

VS = 2.789

GS = 3.156

PATTERN #

1

SHOTS (BEST OF)

10

9

8

MAXIMUM X

1.155

1.048

1.026

MINIMUM X

-.910

-.782

-.803

MAXIMUM Y

1.240

1.114

.936

MINIMUM Y

-1.559

-1.421

-.999

CENTROID X

-.038

-.166

-.144

CENTROID Y

-.115

-.253

-.075

POA TO CENTROID in.

.121

.303

.163

MIN RADIUS

.371

.269

.270

MEAN RADIUS

1.077

.967

.919

MAX RADIUS

1.695

1.529

1.389

HORIZONTAL SPREAD

2.065

1.830

1.830

VERTICAL SPREAD

2.799

2.535

1.935

EXTREME SPREAD

3.156

2.814

2.590

NUMBER IN ONE INCH CIRCLE =

1

NUMBER IN TWO INCH CIRCLE =

5

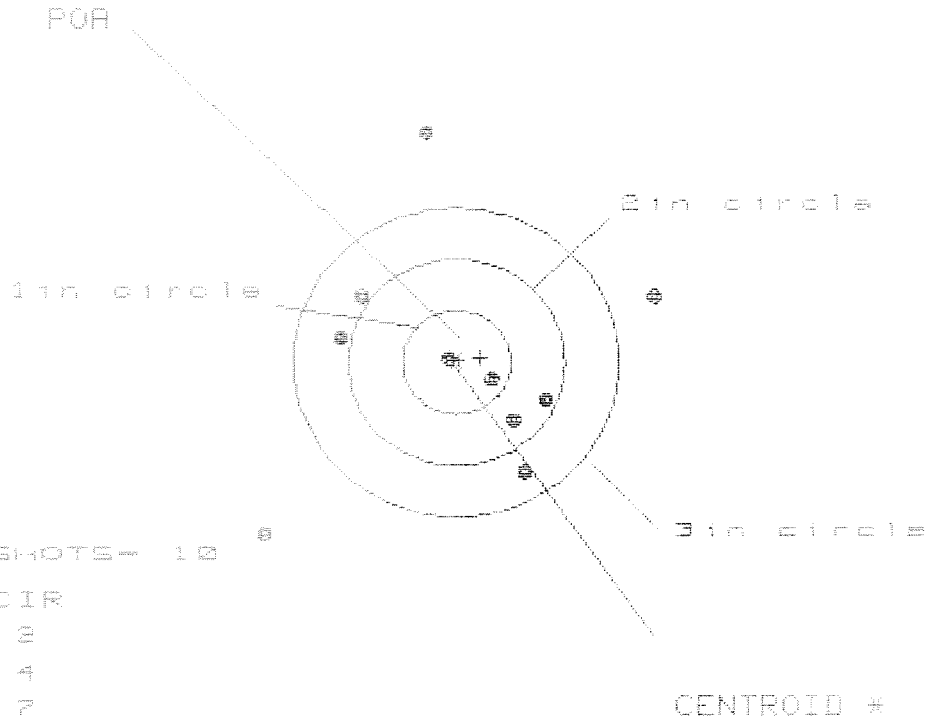
NUMBER IN THREE INCH CIRCLE =

8

22 Jul 1991

FILE:/PATTERNING/CENTERFIRE_PATT/0663305

CENTERFIRE PATTERNS # 2

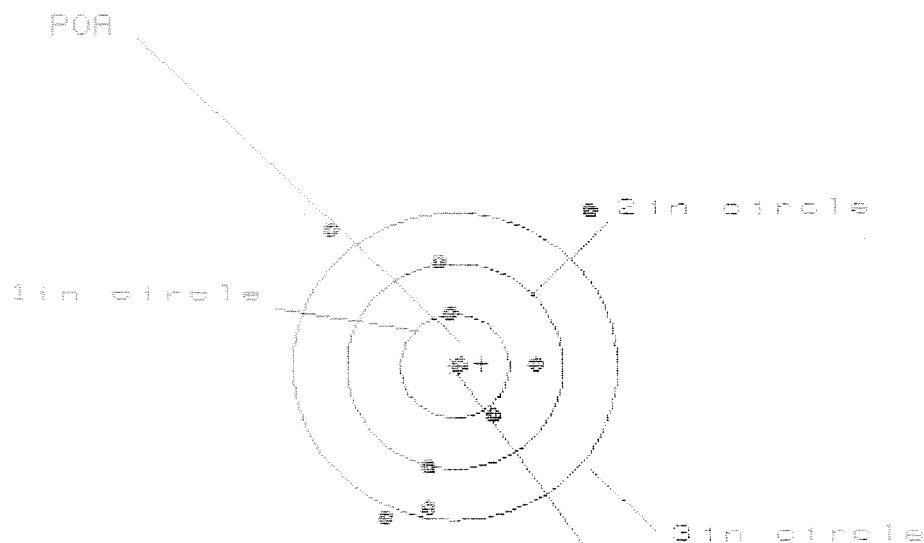


PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.845	1.649	1.587
MINIMUM X	-1.767	-1.263	-1.325
MAXIMUM Y	2.222	2.041	1.737
MINIMUM Y	-1.625	-1.274	-1.019
CENTROID X	-.224	-.028	.034
CENTROID Y	-.039	.142	-.113
POA TO CENTROID in.	.228	.145	.119
MIN RADIUS	.128	.316	.054
MEAN RADIUS	1.207	1.091	.887
MAX RADIUS	2.401	2.102	1.720
HORIZONTAL SPREAD	3.612	2.912	2.912
VERTICAL SPREAD	3.847	3.315	1.756
EXTREME SPREAD	4.238	3.436	2.937
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	7		

22 Jul 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08636345

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 2

2in = 4

3in = 7

HM = 2.403

VS = 3.009

GS = 3.601

PATTERN #

3

	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.282	.903	.780
MINIMUM X	-1.121	-.979	-.678
MAXIMUM Y	1.499	1.513	1.386
MINIMUM Y	-1.510	-1.343	-1.154
CENTROID X	-.249	-.392	-.270
CENTROID Y	-.024	-.191	-.380
POA TO CENTROID in.	.251	.436	.466
MIN RADIUS	.048	.249	.356
MEAN RADIUS	1.074	.992	.865
MAX RADIUS	1.972	1.802	1.390
HORIZONTAL SPREAD	2.403	1.882	1.457
VERTICAL SPREAD	3.009	2.856	2.540
EXTREME SPREAD	3.601	2.887	2.682
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		4	
NUMBER IN THREE INCH CIRCLE =		7	

22 JUL 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06836345

CENTERFIRE PATTERNS

4

POA

1 in circle

2 in circle

3 in circle

OF SHOTS - 10

IN CIR

1 in = 0

2 in = 3

3 in = 5

HS = 4.110

VS = 3.239

GS = 4.695

CENTROID *

PATTERN #

4

SHOTS (BEST OF)

10

9

8

MAXIMUM X

2.325

1.205

1.014

MINIMUM X

-1.785

-1.527

-1.279

MAXIMUM Y

1.644

1.467

1.529

MINIMUM Y

-1.595

-1.415

-1.353

CENTROID X

.141

-.117

.074

CENTROID Y

-.160

.017

-.045

POA TO CENTROID in.

.213

.118

.087

MIN RADIUS

.648

.351

.550

MEAN RADIUS

1.420

1.203

1.170

MAX RADIUS

2.819

1.859

1.691

HORIZONTAL SPREAD

4.110

2.732

2.293

VERTICAL SPREAD

3.239

2.882

2.882

EXTREME SPREAD

4.695

3.935

2.962

NUMBER IN ONE INCH CIRCLE =

0

NUMBER IN TWO INCH CIRCLE =

3

NUMBER IN THREE INCH CIRCLE =

5

28 Jul 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8636345

CENTERFIRE PATTERNS

5

POA

1in circle

2in circle

3in circle

OF SHOTS= 10

IN CIR

1in = 1

2in = 5

3in = 8

HE= 2.822

VE= 2.115

GS= 3.008

CENTROID #

PATTERN #

5

SHOTS (BEST OF)

10

9

8

MAXIMUM X

-1.738

.858

.771

MINIMUM X

-1.084

-.891

-.978

MAXIMUM Y

.902

.960

.895

MINIMUM Y

-1.213

-1.155

-1.035

CENTROID X

.240

.047

.134

CENTROID Y

.071

.013

-.107

POA TO CENTROID in.

.258

.049

.172

MIN RADIUS

.324

.337

.189

MEAN RADIUS

.979

.873

.799

MAX RADIUS

1.815

1.187

1.181

HORIZONTAL SPREAD

2.822

1.749

1.749

VERTICAL SPREAD

2.115

2.115

1.930

EXTREME SPREAD

3.008

2.239

2.141

NUMBER IN ONE INCH CIRCLE =

1

NUMBER IN TWO INCH CIRCLE =

6

NUMBER IN THREE INCH CIRCLE =

9