

C6636330

MODEL 700TM M24

Model **SMS** TM

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.
C6636330

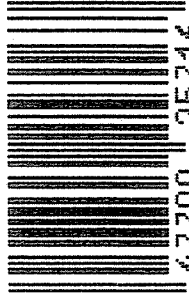
ORDER NO.
5716

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



5716 C6636330

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6636330

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		5/3/91	KS
600	Proof		5/3/91	KS
607	Check Headspace		5/3/91	KS
610	Dis-assemble Gun		5/3/91	KS
612	Magnaflux Barrel Action	5 8 9 1		Kcd
	Magnaflux Bolt	5 8 9 1		Kcd
615	Rollmark Caliber	5 8 9 1		GB
617	Drill and Tap Sight Holes	5 15 9 1		FB
618	Polish Barrel	5 15 9 1		WB
620	Apply Coatings (Barrel Action)		5-29-91	TH
	Apply Coating (Bolt)		5-29-91	TH
625	Final Assembly A) Clean inside of Bolt Assembly		5/30/91	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/30/91	KS
	C) Inspect Ejector Hole for Chamfer		5/30/91	KS
	D) Oil Firing Pin Ass'y		5/30/91	KS
	E) Adjust Trigger Pull to Min Setting and Stake		6/3/91	SM

op. #	BARBER NM24 0033116	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6	6	6	6/3/91	JS
	G) Safety Off Force	4	4	4	4	4	6/3/91	JS
	H) Trigger Pull Test & Retainability						6/3/91	JS
	I) Firing Pin Indent	.023	.0235	.0235	.0235	.0235	6/3/91	JS
	J) Assemble Stock						6/3/91	KS
	K) Assemble Swivel Studs						6-8-91	D/H
	L) Attach Front and Rear Sight Assemblies						6/3/91	KS
	M) Iron Sight Alignment						6/3/91	KS
	N) Detach Front & Rear Sights & place in numbered container						6/3/91	KS
	O) Attach Scope to Rifle						6/3/91	KS
	P) Detach & Attach Scope 20 Times						6/3/91	KS
640	Gallery Target & Test						6/4/91	KT
	A) Time						"	KT
	B) Malfunctions						"	KT
	C) Pierced Primers						"	KT
	D) Optical Clarity of Scope						"	KT
645	Inspect for Live Ammo						6/4/91	KT
655	Final Inspection							
	A) Headspace						6-8-91	D/H
	B) Trigger Pull	2.65	2.56	2.55	2.51	2.52	6-8-91	JS
	C) Function						6-8-91	D/H
660	Pack						6-20-91	JS

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6636330

DATE 6/3/91

TESTER JL.

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.56	2.48	2.30	2.65	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.57	2.48	2.38	2.56	
PULL #3	2.58	2.47	2.32	2.55	
PULL #4	2.57	2.32	2.27	2.51	
PULL #5	2.58	2.28	2.32	2.52	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.68	3.21		
PULL #2	3.56	3.18		
PULL #3	3.34	3.15		
PULL #4	3.27	3.17		
PULL #5	3.31	3.15		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.48	4.31		4.43
PULL #2	4.48	4.48		4.28
PULL #3	4.50	4.44		4.30
PULL #4	4.62	4.45		4.32
PULL #5	4.53	4.47		4.46
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS

FOR RIFLE # C6636330

4 Jun 1991

CENTROIDAL DISTANCES

0 TO	1	.235882
1 TO	2	.543588
1 TO	3	.179611
1 TO	4	.462041
1 TO	5	.431074

135
4 (----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0642
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0502
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0814955

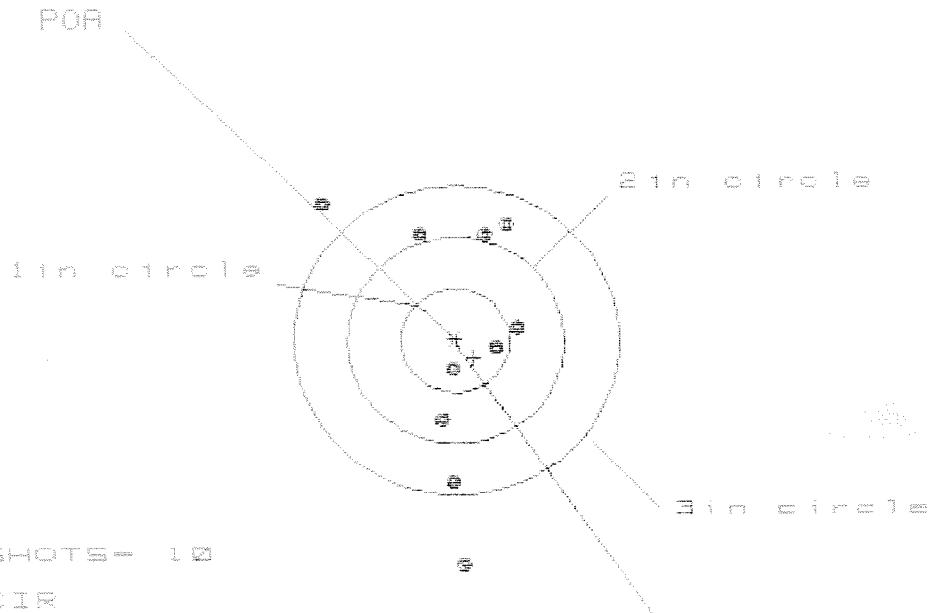
THE AMR FOR THIS RIFLE IS: .8534

4 Jun 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6636330

CENTERFIRE PATTERNS

1



OF SHOTS= 10

IN CIR

1in = 2

2in = 4

3in = 8

HS= 1.950

VS= 3.486

CS= 3.734

CENTROID *

PATTERN #

1

SHOTS (BEST OF)

10

9

8

MAXIMUM X

-.610

-.621

-.467

MINIMUM X

-1.240

-1.229

-.503

MAXIMUM Y

1.321

1.080

1.045

MINIMUM Y

-2.165

-1.609

-1.474

CENTROID X

-.168

-.179

-.025

CENTROID Y

.167

.408

.273

POA TO CENTROID in.

.237

.445

.274

MIN RADIUS

.266

.469

.265

MEAN RADIUS

1.082

.962

.835

MAX RADIUS

2.167

1.636

1.480

HORIZONTAL SPREAD

1.850

1.850

.970

VERTICAL SPREAD

3.486

2.689

2.519

EXTREME SPREAD

3.734

2.964

2.568

NUMBER IN ONE INCH CIRCLE =

2

NUMBER IN TWO INCH CIRCLE =

4

NUMBER IN THREE INCH CIRCLE =

8

4 Jun 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C863B330

CENTERFIRE PATTERNS

2

POA

1in circle

2in circle

3in circle

OF SHOTS- 10

IN CIR

1in = 3

2in = 5

3in = 8

HS= 1.649

VS= 3.405

GS= 3.457

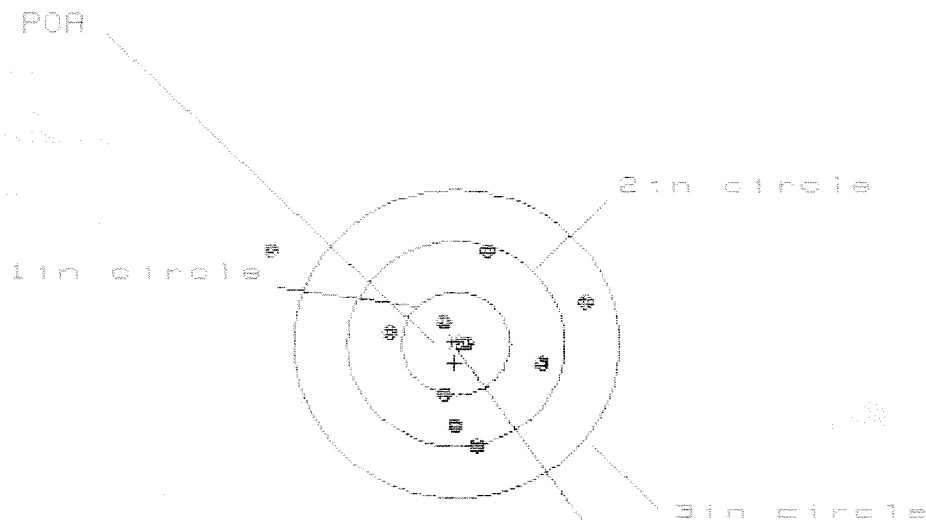
CENTROID #

PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.917	.919	.847
MINIMUM X	-.732	-.730	-.802
MAXIMUM Y	1.989	1.070	.921
MINIMUM Y	-1.416	-1.195	-.922
CENTROID X	.353	.351	.423
CENTROID Y	.012	-.209	-.060
POA TO CENTROID in.	.353	.408	.427
MIN RADIUS	.168	.209	.229
MEAN RADIUS	.883	.745	.671
MAX RADIUS	1.989	1.411	1.251
HORIZONTAL SPREAD	1.649	1.649	1.649
VERTICAL SPREAD	3.405	2.265	1.843
EXTREME SPREAD	3.457	2.715	1.959
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		8	

4 Jun 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C063B330

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 2

2in = 7

3in = 9

HS= 2.930

VS= 1.928

CS= 2.979

CENTROID *

PATTERN #

3

SHOTS (BEST OF)

10

9

8

MAXIMUM X

1.220

1.030

.733

MINIMUM X

-1.710

-1.792

-.664

MAXIMUM Y

.916

1.007

1.067

MINIMUM Y

-1.012

-.911

-.851

CENTROID X

.010

.200

.072

CENTROID Y

.191

.090

.030

POA TO CENTROID in.

.192

.219

.078

MIN RADIUS

.119

.131

.179

MEAN RADIUS

.831

.700

.628

MAX RADIUS

1.940

1.135

1.092

HORIZONTAL SPREAD

2.930

1.822

1.397

VERTICAL SPREAD

1.928

1.918

1.918

EXTREME SPREAD

2.979

1.924

1.924

NUMBER IN ONE INCH CIRCLE =

2

NUMBER IN TWO INCH CIRCLE =

7

NUMBER IN THREE INCH CIRCLE =

9

4 Jun 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08636330

CENTERFIRE PATTERNS

4

POA

1in circle

2in circle

3in circle

OF SHOTS- 10

IN CIR

1in = 5

2in = 7

3in = 9

HS= 1.334

VS= 2.750

GS= 2.753

CENTROID #

PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.847	.843	.821
MINIMUM X	-.487	-.491	-.513
MAXIMUM Y	1.130	.950	.920
MINIMUM Y	-1.620	-.803	-.684
CENTROID X	-.137	-.133	-.111
CENTROID Y	-.294	-.114	-.233
POA TO CENTROID in.	.324	.175	.258
MIN RADIUS	.114	.140	.123
MEAN RADIUS	.694	.603	.527
MAX RADIUS	1.621	.966	1.054
HORIZONTAL SPREAD	1.334	1.334	1.334
VERTICAL SPREAD	2.750	1.753	1.685
EXTREME SPREAD	2.753	1.756	1.619
NUMBER IN ONE INCH CIRCLE =	5		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	9		

4 JUN 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08036330

CENTERFIRE PATTERNS

5

POA

1in circle

2in circle

3in circle

OF SHOTS- 10

IN CIR

1in = 4

2in = 8

3in = 9

HS= 2.310

VS= 2.334

GS= 2.782

CENTROID *

PATTERN #

5

SHOTS (BEST OF)

10

9

8

MAXIMUM X	: .915	.760	.758
MINIMUM X	: -1.395	-.572	-.574
MAXIMUM Y	: 1.205	1.079	.975
MINIMUM Y	: -1.129	-1.052	-.917
CENTROID X	: .263	.418	.420
CENTROID Y	: .175	.301	.166
POA TO CENTROID in.	: .316	.515	.452
MIN RADIUS	: .165	.270	.136
MEAN RADIUS	: .777	.673	.588
MAX RADIUS	: 1.795	1.143	1.021
HORIZONTAL SPREAD	: 2.310	1.332	1.332
VERTICAL SPREAD	: 2.334	2.131	1.892
EXTREME SPREAD	: 2.792	2.174	1.936
NUMBER IN ONE INCH CIRCLE	=	4	
NUMBER IN TWO INCH CIRCLE	=	8	
NUMBER IN THREE INCH CIRCLE	=	9	