

C6636079

MODEL 700™ M24

Model **SMS**™

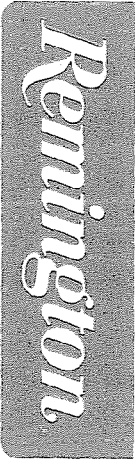
Action

Barrel Length

Capacity

Order No. **5716**

* Includes 1 in chamber.



Remington[®] **DUPONT**
REG. U.S. PAT. & TM. OFF.

MODEL 700TM M24

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

SERIAL NO.
C6636079

ORDER NO.
5716

20

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



5716 C6636079

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6636079

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	4 8	91	RW
600	Proof	4 8	91	RW
607	Check Headspace	4 8	91	RW
610	Dis-assemble Gun	4 8	91	RW
612	Magnaflux Barrel Action	APR	9 1991	KR
	Magnaflux Bolt	APR	9 1991	4
615	Rollmark Caliber	APR	9 1991	LS
617	Drill and Tap Sight Holes	APR	9 1991	LB
618	Polish Barrel	APR	19 1991	WB
620	Apply Coatings (Barrel Action)		5-10-91	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		5/14/91	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/14/91	RW
	C) Inspect Ejector Hole for Chamfer		5/14/91	RW
	D) Oil Firing Pin Ass'y		5/14/91	RW
	E) Adjust Trigger Pull to Min Setting and Stake		6/29/91	SL

op. #	BARBER - M24 0037459	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			5/30/91	RL
	G) Safety Off Force	3	3	3			5/30/91	RL
	H) Trigger Pull Test & Retainability						5/29/91	RL
	I) Firing Pin Indent	.0205	.021	.021			5/30/91	RL
	J) Assemble Stock						5/30/91	Rev
	K) Assemble Swivel Studs						6-1-91	D/H
	L) Attach Front and Rear Sight Assemblies						5/30/91	Rev
	M) Iron Sight Alignment						5/30/91	Rev
	N) Detach Front & Rear Sights & place in numbered container						5/30/91	Rev
	O) Attach Scope to Rifle						5/30/91	Rev
	P) Detach & Attach Scope 20 Times						5/30/91	Rev
640	Gallery Target & Test						5/31/91	KT
	A) Time							KT
	B) Malfunctions							KT
	C) Pierced Primers							KT
	D) Optical Clarity of Scope							KT
645	Inspect for Live Ammo						5/31/91	KT
655	Final Inspection							
	A) Headspace						6-1-91	D/H
	B) Trigger Pull	2-49	262	253	267	254	6/1/91	RL
	C) Function						6-1-91	D/H
660	Pack						6-20-91	D/H

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. 06636079

DATE 5/29/91

TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.46	2.55	2.50	2.49	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.43	2.51	2.52	2.62	
PULL #3	2.46	2.53	2.56	2.53	
PULL #4	2.45	2.43	2.51	2.67	
PULL #5	2.41	2.54	2.51	2.54	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.26	3.37		
PULL #2	3.18	3.28		
PULL #3	3.22	3.35		
PULL #4	3.21	3.31		
PULL #5	3.24	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	4.37	4.33		4.28
PULL #2	4.33	4.32		4.29
PULL #3	4.33	4.31		4.29
PULL #4	4.29	4.35		4.39
PULL #5	4.39	4.31		4.34
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6636079
1 Jun 1991

CENTROIDAL DISTANCES

0 TO	1	.114843
1 TO	2	.140869
1 TO	3	.435488
1 TO	4	.138235
1 TO	5	.940938

3

<----FOR

5

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0556
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1622
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .171465

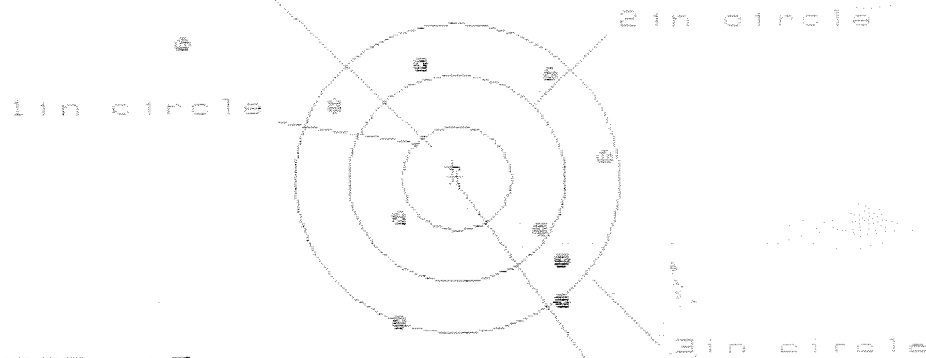
THE AMR FOR THIS RIFLE IS: .8308

1 Jun 1991

FILE:/PATTERNING/CENTERFIRE_PATT/CS636079

CENTERFIRE PATTERNS # 1

FOR



OF SHOTS = 10

IN CIR

1in = 0

2in = 2

3in = 8

HS = 3.934

VS = 2.681

GS = 4.384

CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.416	1.136	1.225
MINIMUM X	-2.518	-1.458	-1.369
MAXIMUM Y	1.293	1.271	1.139
MINIMUM Y	-1.388	-1.244	-1.376
CENTROID X	.033	.313	.224
CENTROID Y	-.110	-.254	-.122
POA TO CENTROID in.	.115	.403	.255
MIN RADIUS	.679	.653	.804
MEAN RADIUS	1.407	1.199	1.194
MAX RADIUS	2.831	1.694	1.551
HORIZONTAL SPREAD	3.934	2.594	2.594
VERTICAL SPREAD	2.681	2.515	2.515
EXTREME SPREAD	4.384	2.894	2.755
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =	2		
NUMBER IN THREE INCH CIRCLE =	8		

1 Jun 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8636079

CENTERFIRE PATTERNS

2

POA

1in circle

2in circle

3in circle

CENTROID #

OF SHOTS = 10

IN CIR

1in = 3

2in = 10

3in = 10

HS= 1.206

VS= 1.597

GS= 1.639

PATTERN

2

SHOTS (BEST OF)

10

9

8

MAXIMUM X

.702

.707

.668

MINIMUM X

-.504

-.499

-.538

MAXIMUM Y

.837

.642

.559

MINIMUM Y

-.760

-.667

-.479

CENTROID X

.121

.116

.155

CENTROID Y

.000

-.093

-.010

POA TO CENTROID in.

.121

.148

.155

MIN RADIUS

.181

.205

.164

MEAN RADIUS

.560

.529

.491

MAX RADIUS

.838

.738

.697

HORIZONTAL SPREAD

1.206

1.206

1.206

VERTICAL SPREAD

1.597

1.389

1.038

EXTREME SPREAD

1.639

1.332

1.304

NUMBER IN ONE INCH CIRCLE =

3

NUMBER IN TWO INCH CIRCLE =

10

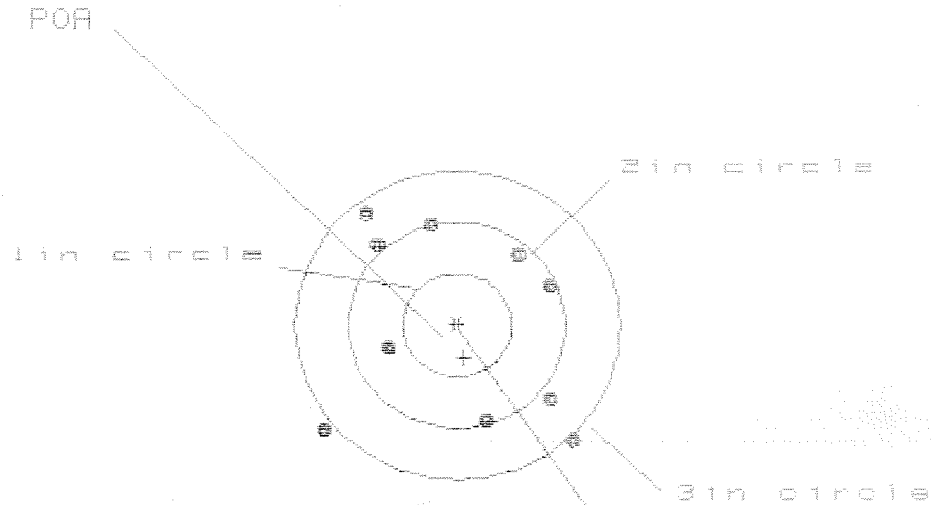
NUMBER IN THREE INCH CIRCLE =

10

1 Jun 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6836029

CENTERFIRE PATTERNS # 3



OF SHOTS = 10

IN CIR

1in = 0

2in = 5

3in = 8

HS = 2.258

VS = 2.269

GS = 2.937

CENTROID #

PATTERN #	3	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.012	.873	.879
MINIMUM X	-1.246	-.992	-.882
MAXIMUM Y	1.109	.994	.834
MINIMUM Y	-1.168	-1.275	-1.169
CENTROID X	-.062	.077	-.033
CENTROID Y	.315	.438	.590
POA TO CENTROID in.	.321	.437	.590
MIN RADIUS	.630	.764	.718
MEAN RADIUS	1.120	1.048	.963
MAX RADIUS	1.619	1.546	1.272
HORIZONTAL SPREAD	2.258	1.865	1.761
VERTICAL SPREAD	2.269	2.269	2.003
EXTREME SPREAD	2.937	2.937	2.484
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	8		

1 Jun 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6636073

CENTERFIRE PATTERNS

4

POA

1in circle

2in circle

3in circle

OF SHOTS= 10

IN CIR

1in = 2

2in = 8

3in = 10

HS= 1.481

VS= 1.751

GS= 2.271

CENTROID *

PATTERN #

4

SHOTS (BEST OF)

10

9

8

MAXIMUM X

.748

.651

.569

MINIMUM X

-.733

-.650

-.358

MAXIMUM Y

.868

.770

.862

MINIMUM Y

-.883

-.905

-.813

CENTROID X

-.014

-.097

-.015

CENTROID Y

.020

.118

.026

POA TO CENTROID in.

.024

.153

.030

MIN RADIUS

.268

.140

.263

MEAN RADIUS

.694

.628

.584

MAX RADIUS

1.157

.986

.891

HORIZONTAL SPREAD

1.481

1.301

.927

VERTICAL SPREAD

1.751

1.675

1.675

EXTREME SPREAD

2.271

1.781

1.684

NUMBER IN ONE INCH CIRCLE =

3

NUMBER IN TWO INCH CIRCLE =

8

NUMBER IN THREE INCH CIRCLE =

10

1 Jun 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C9636079

CENTERFIRE PATTERNS # 5

POA

1 in circle

2 in circle

3 in circle

OF SHOTS = 10

IN CIR

1 in = 8

2 in = 10

3 in = 10

HS = .774

VS = 1.353

GS = 1.358

CENTROID *

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.390	.315	.257
MINIMUM X	-.383	-.340	-.301
MAXIMUM Y	.833	.531	.477
MINIMUM Y	-.520	-.427	-.319
CENTROID X	.200	.157	.118
CENTROID Y	-1.036	-1.129	-1.075
POA TO CENTROID in.	1.055	1.140	1.082
MIN RADIUS	.100	.110	.045
MEAN RADIUS	.373	.294	.257
MAX RADIUS	.920	.543	.483
HORIZONTAL SPREAD	.774	.655	.558
VERTICAL SPREAD	1.353	.958	.796
EXTREME SPREAD	1.358	1.050	.862
NUMBER IN ONE INCH CIRCLE	= 8		
NUMBER IN TWO INCH CIRCLE	= 10		
NUMBER IN THREE INCH CIRCLE	= 10		