

C6636091

MODEL 700™ M24

Model **SMS**™

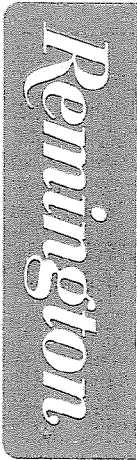
Action

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.
C6636091

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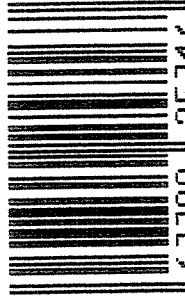
MADE IN ILION, N.Y., U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.

20



5716 C6636091

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6636091

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	U
615	Rollmark Caliber		APR 9 1991	GIS
617	Drill and Tap Sight Holes		APR 10 1991	FB
618	Polish Barrel		APR 19 1991	WB
620	Apply Coatings (Barrel Action)		5-10-91	TH
	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		5/29/91	TH

op. #	BARBER - M24 0037594 OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			5/30/91	JK
	G) Safety Off Force	3	3	3			5/30/91	JK
	H) Trigger Pull Test & Retainability						5/29/91	JK
	I) Firing Pin Indent	.0205	.020	.0205			5/30/91	JK
	J) Assemble Stock						5/30/91	RW
	K) Assemble Swivel Studs						6-3-91	DH
	L) Attach Front and Rear Sight Assemblies						5/30/91	RW
	M) Iron Sight Alignment						5/30/91	RW
	N) Detach Front & Rear Sights & place in numbered container						5/30/91	RW
	O) Attach Scope to Rifle						5/30/91	RW
	P) Detach & Attach Scope 20 Times						5/30/91	RW
640	Gallery Target & Test						6-1-91	AF
	A) Time						"	AF
	B) Malfunctions						"	AF
	C) Pierced Primers						"	AF
	D) Optical Clarity of Scope						"	AF
645	Inspect for Live Ammo						6-1-91	AF
655	Final Inspection							
	A) Headspace						6-3-91	DH
	B) Trigger Pull	2.32	2.20	2.27	2.32	2.36	4/3/91	JK
	C) Function						6-3-91	DH
660	Pack						6-20-91	DH

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. 06636091

DATE 5/29/91

TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.34	2.13	2.35	2.32	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.27	2.21	2.38	2.20	
PULL #3	2.21	2.20	2.30	2.27	
PULL #4	2.26	2.30	2.36	2.32	
PULL #5	2.18	2.21	2.31	2.36	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.60	3.51		
PULL #2	3.57	3.41		
PULL #3	3.54	3.31		
PULL #4	3.42	3.41		
PULL #5	3.65	3.33		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.52	4.27		4.23
PULL #2	4.19	4.23		4.27
PULL #3	4.31	4.17		4.28
PULL #4	4.13	4.50		4.19
PULL #5	4.18	4.46		4.26
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6636091
1 Jun 1991

CENTROIDAL DISTANCES

0 TO	1	.307332
1 TO	2	.310556
1 TO	3	.373012
1 TO	4	.250218
1 TO	5	.376747

21 <----FOR

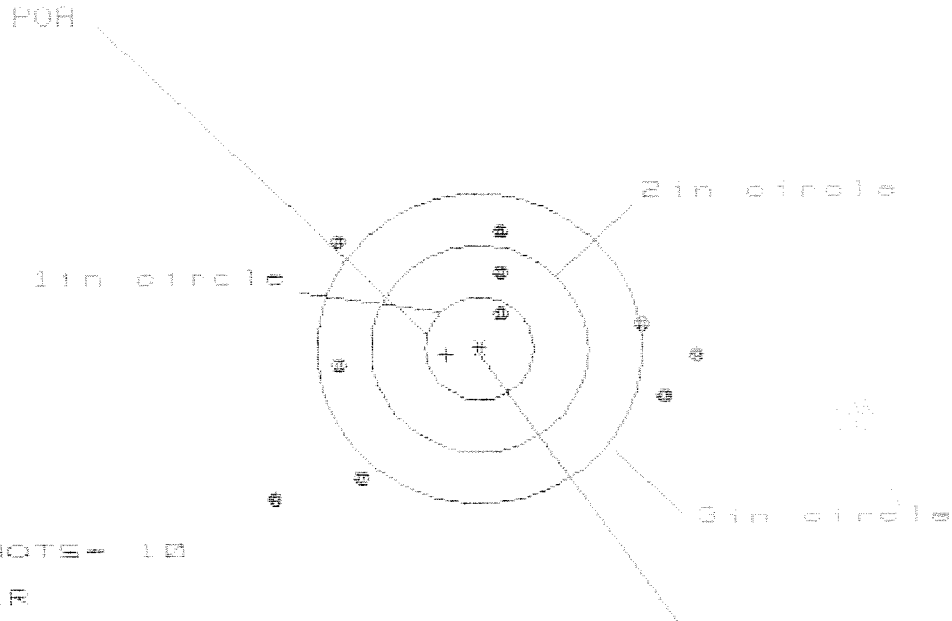
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0928
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0062
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0930069

THE AMR FOR THIS RIFLE IS: 1.161

1 Jun 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8836091

CENTERFIRE PATTERNS # 1



OF SHOTS = 10

IN CIR

1in = 1

2in = 2

3in = 4

HS = 3.979

VS = 2.604

GS = 4.246

CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	2.028	1.811	1.708
MINIMUM X	-1.951	-1.562	-1.336
MAXIMUM Y	1.107	.940	.918
MINIMUM Y	-1.497	-1.408	-1.430
CENTROID X	.302	.519	.293
CENTROID Y	.057	.224	.246
POA TO CENTROID in.	.308	.565	.382
MIN RADIUS	.355	.168	.208
MEAN RADIUS	1.475	1.306	1.234
MAX RADIUS	2.459	1.946	1.844
HORIZONTAL SPREAD	3.979	3.373	3.044
VERTICAL SPREAD	2.604	2.348	2.348
EXTREME SPREAD	4.246	3.529	3.409
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	2		
NUMBER IN THREE INCH CIRCLE =	4		

1 Jun 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8636093

CENTERFIRE PATTERNS

2

POA

1in circle

2in circle

3in circle

OF SHOTS- 10

IN CIR

1in = 2

2in = 4

3in = 4

HS= 4.277

VS= 5.013

GS= 5.167

CENTROID #

PATTERN #

2

SHOTS (BEST OF)

10

9

8

MAXIMUM X

2.687

2.523

1.136

MINIMUM X

-1.591

-1.754

-1.438

MAXIMUM Y

2.473

2.205

2.127

MINIMUM Y

-2.540

-2.808

-2.886

CENTROID X

.249

.412

.096

CENTROID Y

-.249

.019

.097

POA TO CENTROID in.

.352

.412

.137

MIN RADIUS

.235

.256

.144

MEAN RADIUS

1.588

1.418

1.200

MAX RADIUS

2.821

2.834

2.887

HORIZONTAL SPREAD

4.277

4.277

2.574

VERTICAL SPREAD

5.013

5.013

5.013

EXTREME SPREAD

5.167

5.032

5.032

NUMBER IN ONE INCH CIRCLE =

2

NUMBER IN TWO INCH CIRCLE =

4

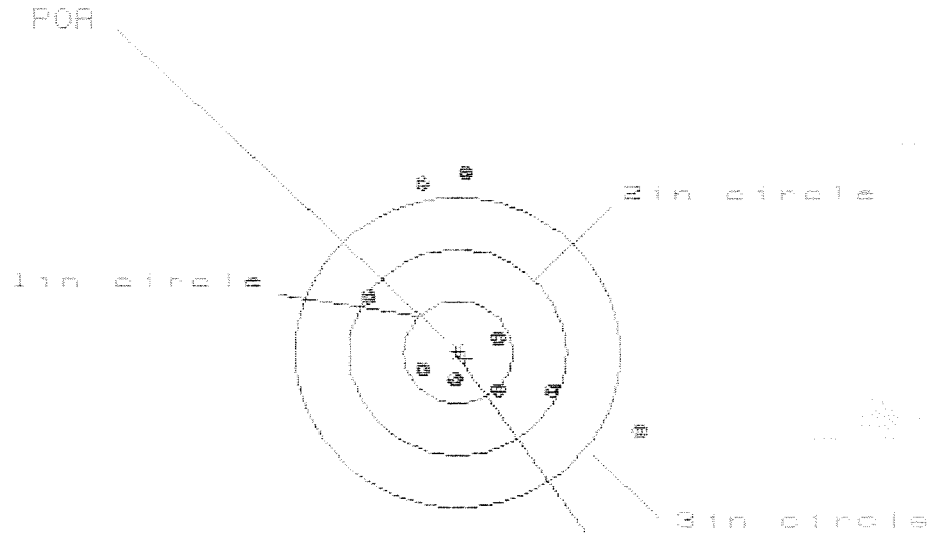
NUMBER IN THREE INCH CIRCLE =

4

1 Jun 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8636091

CENTERFIRE PATTERNS # 3



OF SHOTS = 10

IN CIR

1in = 4

2in = 6

3in = 6

HS = 3.491

VS = 4.035

GS = 4.487

CENTROID *

PATTERN #	3	3	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.635	1.428	1.838
MINIMUM X	-1.857	-1.038	-1.859
MAXIMUM Y	1.786	1.536	1.489
MINIMUM Y	-2.249	-1.017	-1.741
CENTROID X	-1.071	.136	-1.043
CENTROID Y	.060	.310	.437
POA TO CENTROID in.	.093	.339	.439
MIN RADIUS	.244	.204	.421
MEAN RADIUS	1.166	.980	.904
MAX RADIUS	2.916	1.753	1.411
HORIZONTAL SPREAD	3.491	2.466	1.697
VERTICAL SPREAD	4.035	2.553	2.150
EXTREME SPREAD	4.487	3.136	2.353
NUMBER IN ONE INCH CIRCLE =	4		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	6		

1 Jun 1991

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CENTERFIRE PATTERNS

4

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS - 10

IN CIR

1 in = 5

2 in = 8

3 in = 10

HS = 1.414

VS = 2.345

GS = 2.584

PATTERN #

4

SHOTS (BEST OF)

10

9

8

MAXIMUM X

.527

.428

.441

MINIMUM X

-.867

-.350

-.338

MAXIMUM Y

1.046

.729

.581

MINIMUM Y

-1.299

-1.182

-.725

CENTROID X

.055

.154

.141

CENTROID Y

.097

-.020

.128

POA TO CENTROID in.

.111

.155

.191

MIN RADIUS

.202

.142

.240

MEAN RADIUS

.648

.559

.463

MAX RADIUS

1.372

1.187

.728

HORIZONTAL SPREAD

1.414

.778

.778

VERTICAL SPREAD

2.345

1.911

1.306

EXTREME SPREAD

2.584

1.946

1.320

NUMBER IN ONE INCH CIRCLE =

5

NUMBER IN TWO INCH CIRCLE =

8

NUMBER IN THREE INCH CIRCLE =

10

1 Jun 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8B3E091

CENTERFIRE PATTERNS # 5

POA

1in circle

2in circle

3in circle

OF SHOTS = 10

IN CIR

1in = 4

2in = 7

3in = 9

HS = 2.841

VS = 3.352

GS = 3.528

CENTROID #

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.245	1.068	.983
MINIMUM X	-1.596	-1.117	-1.202
MAXIMUM Y	1.378	1.159	.572
MINIMUM Y	-1.974	-.552	-.408
CENTROID X	-.071	.106	.191
CENTROID Y	.004	.223	.079
POA TO CENTROID in.	.071	.247	.206
MIN RADIUS	.314	.248	.166
MEAN RADIUS	.926	.676	.562
MAX RADIUS	2.539	1.340	1.269
HORIZONTAL SPREAD	2.841	2.185	2.185
VERTICAL SPREAD	3.352	1.711	.980
EXTREME SPREAD	3.528	2.305	2.194
NUMBER IN ONE INCH CIRCLE =	4		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	9		