

C6636272

MODEL 780™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



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

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

MODEL 700TM M24

SERIAL NO.
C6636272

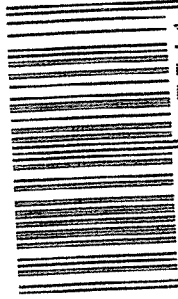
ORDER NO.
5716

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

20

5716 C6636272

LPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # **C6636272**

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		6/25/91	KL
600	Proof		6/25/91	KL
607	Check Headspace		6/25/91	KL
610	Dis-assemble Gun		6/25/91	KL
612	Magnaflux Barrel Action	JUL	1 1991	KR
	Magnaflux Bolt	JUL	1 1991	KR
615	Rollmark Caliber	JUL	1 1991	LS
617	Drill and Tap Sight Holes	JUL	1 1991	LB
618	Polish Barrel	JUL	2 1991	WB
620	Apply Coatings (Barrel Action)		7-23-91	KL
	Apply Coating (Bolt)			KL
625	Final Assembly A) Clean inside of Bolt Assembly		8/5/91	KL
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/5/91	KL
	C) Inspect Ejector Hole for Chamfer		8/5/91	KL
	D) Oil Firing Pin Ass'y		8/5/91	KL
	E) Adjust Trigger Pull to Min Setting and Stake		8-6-91	KL

op. #	BARBER - M24 0032467 OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			8-6-91	DH
	G) Safety Off Force	2	2	2			8-6-91	DH
	H) Trigger Pull Test & Retainability						8-2-91	JH
	I) Firing Pin Indent	.020	.021	.021			8-8-91	DH
	J) Assemble Stock						8/7/91	KS
	K) Assemble Swivel Studs						8-8-91	DH
	L) Attach Front and Rear Sight Assemblies						8/7/91	KS
	M) Iron Sight Alignment						8/7/91	KS
	N) Detach Front & Rear Sights & place in numbered container						8/7/91	KS
	O) Attach Scope to Rifle						8/7/91	KS
	P) Detach & Attach Scope 20 Times						8/7/91	KS
640	Gallery Target & Test						8/7/91	KT
	A) Time							KT
	B) Malfunctions							KT
	C) Pierced Primers							KT
	D) Optical Clarity of Scope							KT
645	Inspect for Live Ammo						8/7/91	KT
655	Final Inspection							
	A) Headspace						8-8-91	DH
	B) Trigger Pull	2.32	2.36	2.39	2.43	2.46	8-8-91	JH
	C) Function						8-8-91	DH
660	Pack						9-14-91	KS

TIME AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS
2.50# + .50#
3.00# + .75#
4.00# + 1.00#

SERIAL NO C-6636272DATE 8-6-91TESTER JLL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.37	2.58	2.61	2.37	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.53	2.51	2.59	2.36	
PULL #3	2.46	2.49	2.50	2.39	
PULL #4	2.48	2.58	2.55	2.43	
PULL #5	2.57	2.60	2.60	2.46	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.35	3.43		
PULL #2	3.24	3.50		
PULL #3	3.38	3.48		
PULL #4	3.26	3.41		
PULL #5	3.29	3.39		
TOTAL				
AVG.				

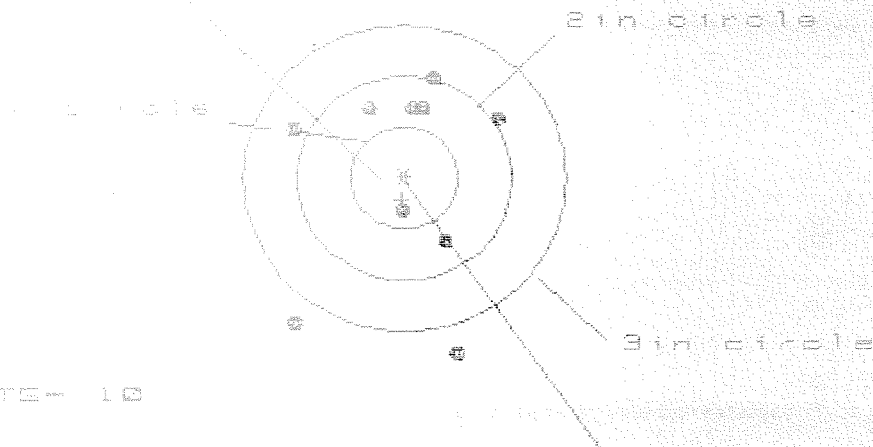
	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.26	4.17		4.48
PULL #2	4.25	4.18		4.26
PULL #3	4.20	4.19		4.45
PULL #4	4.20	4.34		4.21
PULL #5	4.20	4.48		4.19
TOTAL				
AVG.				

Paper

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: 1.1706
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: 1.1372
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .218925
THE SD FOR THIS RIFLE IS: 1.149

FILE: PATTERNING/CENTERFIRE_PATT/C6636272

CENTERFIRE PATTERNS # 1



PATTERN

1

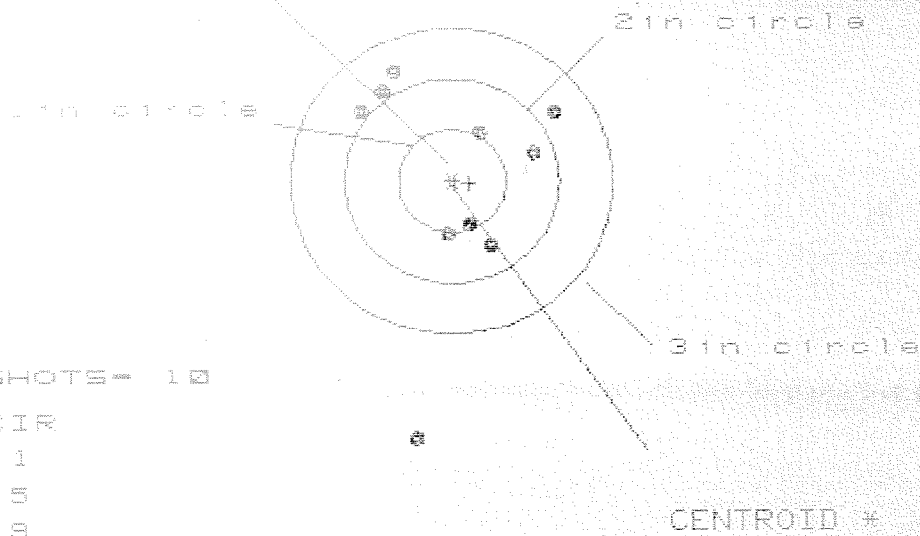
	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.888	.945	.821
MINIMUM X	-1.050	-.993	-1.071
MAXIMUM Y	1.003	.814	.619
MINIMUM Y	-1.697	-1.562	-.986
CENTROID X	.025	-.032	.092
CENTROID Y	.215	.404	.599
POA TO CENTROID in.	.217	.405	.606
MIN RADIUS	.358	.520	.289
MEAN RADIUS	.988	.864	.676
MAX RADIUS	1.773	1.851	1.074
HORIZONTAL SPREAD	1.938	1.938	1.891
VERTICAL SPREAD	2.700	2.376	1.685
EXTREME SPREAD	2.725	2.725	1.892
NUMBER IN ONE INCH CIRCLE	= 1		
NUMBER IN TWO INCH CIRCLE	= 5		
NUMBER IN THREE INCH CIRCLE	= 8		

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CENTERFIRE PATTERNS # 2

FOR



PATTERN #

2

SHOTS (BEST OF)

10

9

8

MAXIMUM X

.940

.912

.844

MINIMUM X

-.853

-.889

-.957

MAXIMUM Y

1.074

.793

.738

MINIMUM Y

-2.526

-.888

-.789

CENTROID X

-.158

-.122

-.054

CENTROID Y

.022

.303

.204

FOR TO CENTROID in.

.160

.327

.211

MIN RADIUS

.426

.271

.302

MEAN RADIUS

1.009

.812

.777

MAX RADIUS

2.548

1.003

1.089

HORIZONTAL SPREAD

1.801

1.801

1.801

VERTICAL SPREAD

3.600

1.681

1.527

EXTREME SPREAD

3.604

1.867

1.831

NUMBER IN ONE INCH CIRCLE =

1

NUMBER IN TWO INCH CIRCLE =

5

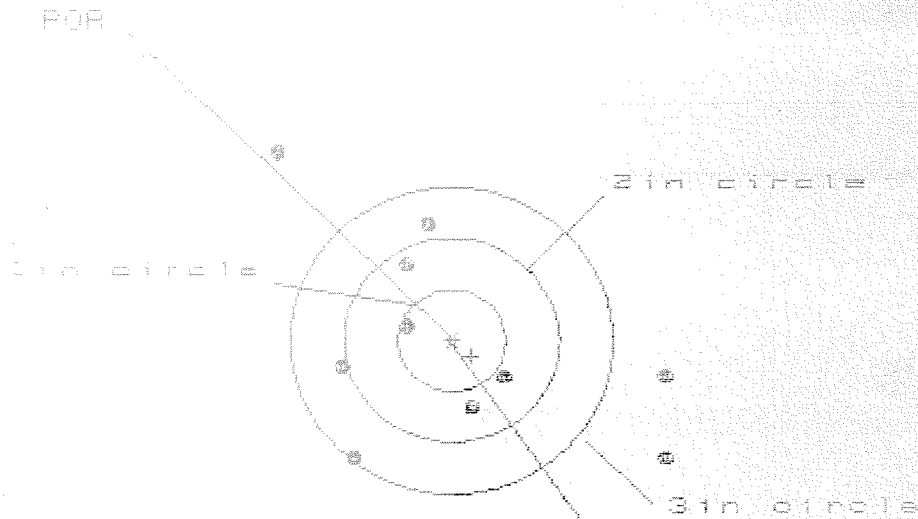
NUMBER IN THREE INCH CIRCLE =

9

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FILE:/PATTERNING/CENTERFIRE_PATT/C8635272

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 1

2in = 4

3in = 6

HS= 3.682

VS= 3.078

GS= 4.799

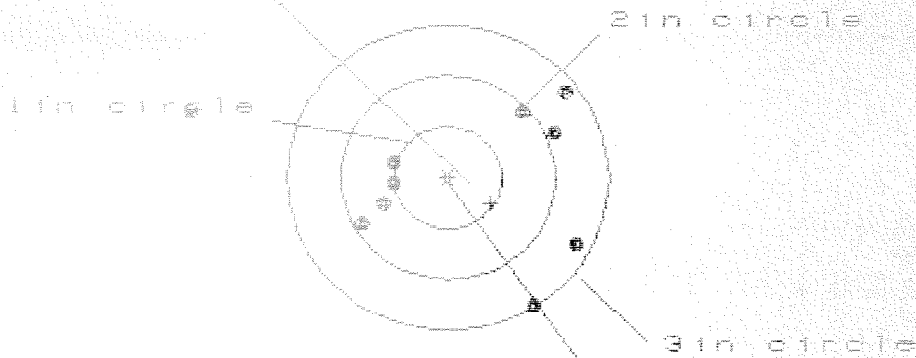
PATTERN #	3
SHOTS (BEST OF)	10
MAXIMUM X	2.022
MINIMUM X	-1.659
MAXIMUM Y	1.894
MINIMUM Y	-1.184
CENTROID X	-1.182
CENTROID Y	.154
FOR TO CENTROID in.	.239
MIN RADIUS	.460
MEAN RADIUS	1.321
MAX RADIUS	2.518
HORIZONTAL SPREAD	3.682
VERTICAL SPREAD	3.078
EXTREME SPREAD	4.799
NUMBER IN ONE INCH CIRCLE =	1
NUMBER IN TWO INCH CIRCLE =	4
NUMBER IN THREE INCH CIRCLE =	6

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CENTERFIRE PATTERNS # 4

POR



OF SHOTS= 10

IN CIR

1in = 0

2in = 5

3in = 8

HS= 3.634

VS= 2.120

GS= 3.862

PATTERN #

4

SHOTS (BEST OF)

	10	9	8
MAXIMUM X	1.188	.916	.983
MINIMUM X	-2.446	-1.038	-.971
MAXIMUM Y	.832	.903	.751
MINIMUM Y	-1.288	-1.217	-.746
CENTROID X	-.396	-.124	-.191
CENTROID Y	.253	.182	.334
POR TO CENTROID in.	.470	.220	.384
MIN RADIUS	.512	.781	.693
MEAN RADIUS	1.156	1.011	.949
MAX RADIUS	2.528	1.326	1.233
HORIZONTAL SPREAD	3.634	1.954	1.954
VERTICAL SPREAD	2.120	2.120	1.497
EXTREME SPREAD	3.862	2.312	2.312
NUMBER IN ONE INCH CIRCLE	=	0	
NUMBER IN TWO INCH CIRCLE	=	5	
NUMBER IN THREE INCH CIRCLE	=	8	

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CENTERFIRE PATTERNS # 5

POA

1 in circle

2 in circle

2 in circle

OF SHOTS - 10

IN CIR

1 in = 2

2 in = 3

3 in = 5

HS= 2.781

VS= 3.192

GS= 3.387

CENTROID *

PATTERN #

5

SHOTS (BEST OF)

10

9

8

MAXIMUM X

1.216

1.042

.868

MINIMUM X

-1.565

-1.219

-1.009

MAXIMUM Y

1.508

1.599

1.758

MINIMUM Y

-1.684

-1.593

-1.434

CENTROID X

-.142

.032

-.098

CENTROID Y

.042

-.049

-.208

POA TO CENTROID in.

.148

.059

.230

MIN RADIUS

.434

.299

.458

MEAN RADIUS

1.273

1.191

1.133

MAX RADIUS

1.767

1.671

1.758

HORIZONTAL SPREAD

2.781

2.261

1.949

VERTICAL SPREAD

3.192

3.192

3.192

EXTREME SPREAD

3.387

3.307

3.200

NUMBER IN ONE INCH CIRCLE =

2

NUMBER IN TWO INCH CIRCLE =

3

NUMBER IN THREE INCH CIRCLE =

5