

C6649162

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

Remington
MODEL 700TH M24

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

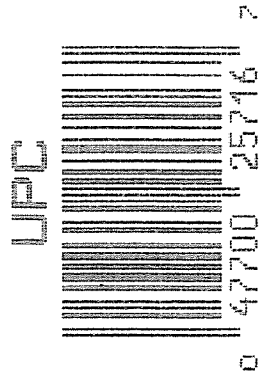
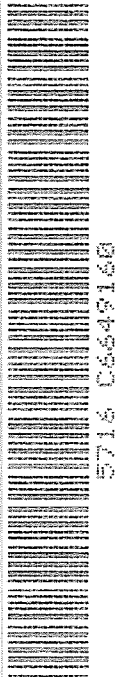
VERY IMPORTANT:
Instruction Book
enclosed to assure
safe use of this
firearm.

SERIAL NO.
C6649160

ORDER NO.
5716

20

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



CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6649160

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		6/25/91	K4
600	Proof		6/25/91	K4
607	Check Headspace		6/25/91	K4
610	Dis-assemble Gun		6/25/91	K4
612	Magnaflux Barrel Action	JUL	1 1991	KR
	Magnaflux Bolt	JUL	1 1991	KR
615	Rollmark Caliber	JUL	1 1991	DS
617	Drill and Tap Sight Holes	JUL	1 1991	WB
618	Polish Barrel	JUL	2 1991	WB
620	Apply Coatings (Barrel Action)		7-23-91	DS
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		7/23/91	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		7/23/91	KS
	C) Inspect Ejector Hole for Chamfer		7/23/91	KS
	D) Oil Firing Pin Ass'y		7/23/91	KS
	E) Adjust Trigger Pull to Min Setting and Stake		7-30-91	JS

op. #	BARBER - M24 0065494 OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5 $\frac{3}{4}$	5			7-30-91	DH
	G) Safety Off Force	2	2 $\frac{3}{4}$	3			7-30-91	DH
	H) Trigger Pull Test & Retainability						7-30-91	JU
	I) Firing Pin Indent	.020	.020	.021			7-30-91	DH
	J) Assemble Stock						7/30/91	KS
	K) Assemble Swivel Studs						8-6-91	AC
	L) Attach Front and Rear Sight Assemblies						7/30/91	KS
	M) Iron Sight Alignment						7/30/91	KS
	N) Detach Front & Rear Sights & place in numbered container						7/30/91	KS
	O) Attach Scope to Rifle						7/30/91	KS
	P) Detach & Attach Scope 20 Times						7/30/91	KS
640	Gallery Target & Test						7/31/91	KT
	A) Time							KT
	B) Malfunctions							KT
	C) Pierced Primers							KT
	D) Optical Clarity of Scope							KT
645	Inspect for Live Ammo						7/31/91	KS
655	Final Inspection							
	A) Headspace						8-6-91	AC
	B) Trigger Pull	2.53	2.50	2.48	2.57	2.50	8-5-91	JU
	C) Function						8-6-91	AC
660	Pack						9-19-91	VF

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C-6649160DATE 7-30-91TESTER JL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.60	2.40	2.59	2.53	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.44	2.47	2.56	2.50	
PULL #3	2.36	2.45	2.53	2.48	
PULL #4	2.45	2.53	2.50	2.57	
PULL #5	2.42	2.56	2.58	2.50	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.51	3.43		
PULL #2	3.46	3.43		
PULL #3	3.46	3.46		
PULL #4	3.30	3.44		
PULL #5	3.40	3.44		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.58	4.46		4.44
PULL #2	4.44	4.42		4.43
PULL #3	4.47	4.13		4.41
PULL #4	4.48	4.35		4.40
PULL #5	4.49	4.41		4.39
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6649160
31 Jul 1991

CENTROIDAL DISTANCES

B TO	1	.183
1 TO	2	.398493
1 TO	3	.212137
1 TO	4	.41477
1 TO	5	.381525

 POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0326
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1556
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .158978
THE AVERAGE Z-COORDINATE FOR THIS RIFLE IS: .972

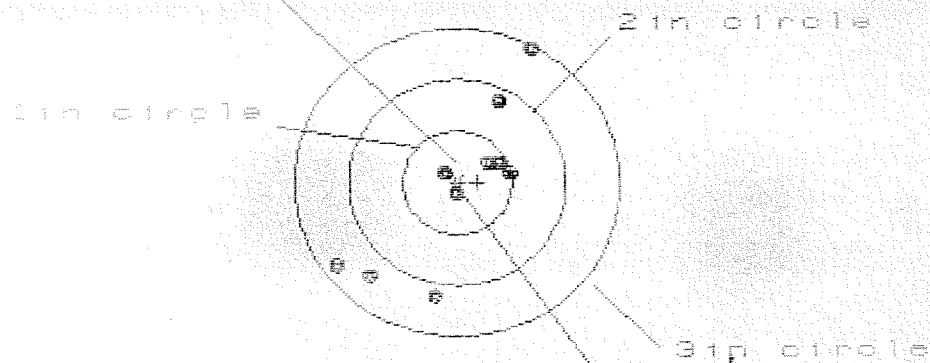
31 JUL 1991

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CENTERFIRE PATTERNS

1

POA



OF SHOTS- 10

IN CIR

1in = 4

2in = 5

3in = 10

HE= 1.742

VS= 2.485

GS= 2.738

CENTROID *

PATTERN #

IS

SHOTS (BEST OF)

10

9

8

MAXIMUM X

.651

.585

.458

MINIMUM X

-1.091

-1.018

-.853

MAXIMUM Y

1.338

.959

.881

MINIMUM Y

-1.067

-.919

-.937

CENTROID X

-.183

-.256

-.129

CENTROID Y

.000

-.148

-.070

POA TO CENTROID in.

.183

.296

.146

MIN RADIUS

.139

.081

.090

MEAN RADIUS

.761

.701

.599

MAX RADIUS

1.488

1.196

1.180

HORIZONTAL SPREAD

1.742

1.603

1.311

VERTICAL SPREAD

2.485

1.878

1.878

EXTREME SPREAD

2.738

2.187

2.085

NUMBER IN ONE INCH CIRCLE =

4

NUMBER IN TWO INCH CIRCLE =

6

NUMBER IN THREE INCH CIRCLE =

10

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FILE:/PATTERNING/CENTERFIRE_PATT/C6649160

CENTERFIRE PATTERNS

2

POR

1in circle

2in circle

3in circle

OF SHOTS= 10

IN CIR

1in = 2

2in = 4

3in = 9

HS= 2.455

VS= 2.695

GS= 2.711

CENTROID #

PATTERN #

2

SHOTS (BEST OF)

10

9

8

MAXIMUM X

1.319

1.302

1.231

MINIMUM X

-1.136

-1.153

-.990

MAXIMUM Y

1.120

.945

.941

MINIMUM Y

-1.575

-.819

-.824

CENTROID X

.203

.220

.057

CENTROID Y

.099

.274

.279

POR TO CENTROID in.

.226

.351

.284

MIN RADIUS

.410

.243

.243

MEAN RADIUS

.978

.884

.818

MAX RADIUS

1.582

1.303

1.261

HORIZONTAL SPREAD

2.455

2.455

2.221

VERTICAL SPREAD

2.695

1.764

1.764

EXTREME SPREAD

2.711

2.497

2.351

NUMBER IN ONE INCH CIRCLE =

2

NUMBER IN TWO INCH CIRCLE =

4

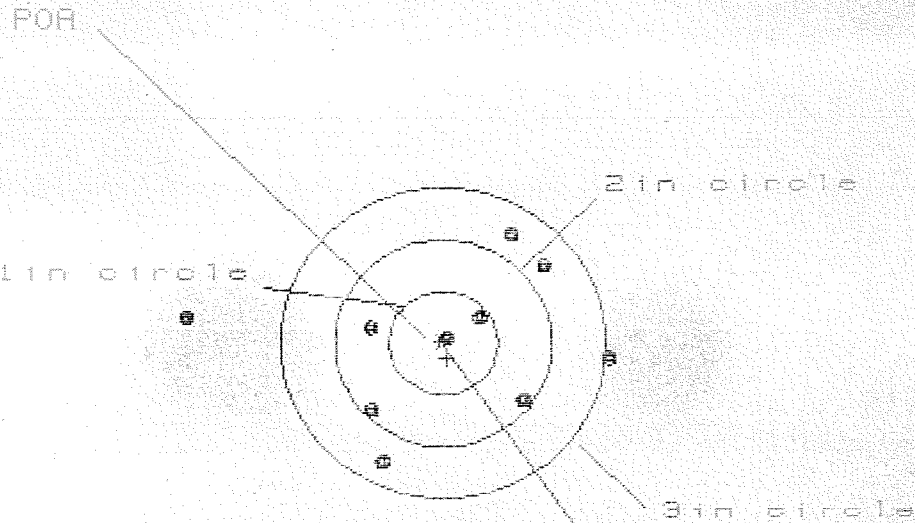
NUMBER IN THREE INCH CIRCLE =

9

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CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1in = 2

2in = 5

3in = 8

HS= 3.859

VS= 2.233

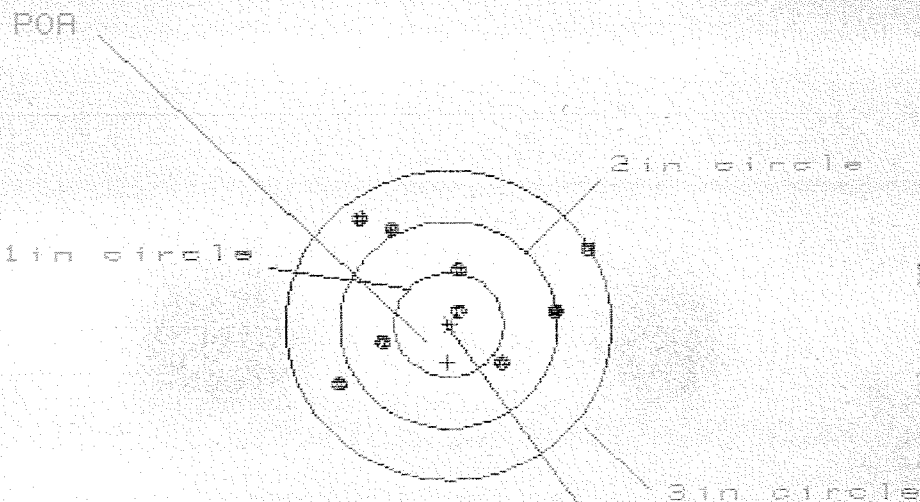
GS= 3.878

PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.515	1.254	.850
MINIMUM X	-2.344	-.933	-.776
MAXIMUM Y	1.087	1.110	1.090
MINIMUM Y	-1.146	-1.123	-1.143
CENTROID X	-.032	.229	.072
CENTROID Y	.149	.126	.146
POA TO CENTROID in.	.152	.261	.162
MIN RADIUS	.084	.202	.059
MEAN RADIUS	1.072	.913	.847
MAX RADIUS	2.353	1.394	1.324
HORIZONTAL SPREAD	3.859	2.187	1.626
VERTICAL SPREAD	2.233	2.233	2.233
EXTREME SPREAD	3.878	2.536	2.536
NUMBER IN ONE INCH CIRCLE =	2	2	2
NUMBER IN TWO INCH CIRCLE =	5	5	5
NUMBER IN THREE INCH CIRCLE =	8	8	8

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CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 5

3 in = 9

HS= 2.318

VS= 2.564

GS= 3.680

PATTERN #	4		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.293	1.304	1.142
MINIMUM X	-1.025	-1.014	-.851
MAXIMUM Y	1.065	.788	.845
MINIMUM Y	-2.499	-.850	-.793
CENTROID X	.014	.003	-.160
CENTROID Y	.365	.642	.585
PORA TO CENTROID in.	.365	.642	.607
MIN RADIUS	.187	.141	.259
MEAN RADIUS	1.053	.848	.785
MAX RADIUS	2.501	1.382	1.164
HORIZONTAL SPREAD	2.318	2.318	1.993
VERTICAL SPREAD	3.564	1.638	1.638
EXTREME SPREAD	3.680	2.662	2.108
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		9	

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CENTERFIRE PATTERNS # 5

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS= 10

IN CIR

1in = 1

2in = 5

3in = 7

HS= 2.271

VS= 3.142

GS= 3.142

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	-1.194	1.193	1.187
MINIMUM X	:	-1.077	-1.078	-1.084
MAXIMUM Y	:	1.560	1.384	.942
MINIMUM Y	:	-1.582	-1.283	-1.110
CENTROID X	:	.161	.162	.168
CENTROID Y	:	.165	.341	.168
POA TO CENTROID in.	:	.231	.377	.238
MIN RADIUS	:	.474	.381	.467
MEAN RADIUS	:	.996	.926	.852
MAX RADIUS	:	1.582	1.420	1.515
HORIZONTAL SPREAD	:	2.271	2.271	2.271
VERTICAL SPREAD	:	3.142	2.667	2.052
EXTREME SPREAD	:	3.142	2.667	2.569
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		7	