

C6649012

MODEL 700TM M24

Model **SMS** TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

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

MODEL 700™ M24

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

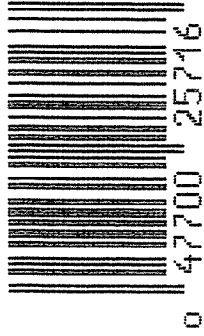
VERY IMPORTANT: Instruction Book enclosed to assure safe use of this firearm.

SERIAL NO. C6649012	ORDER NO. 5716
-------------------------------	--------------------------

20



UPC



CONTRACT # DAAA21-87-C-0086

GFMGUN SERIAL # *C6649012*

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	<i>7 2</i>	<i>9 1</i>	<i>Rw</i>
600	Proof	<i>7 2</i>	<i>9 1</i>	<i>Rw</i>
607	Check Headspace	<i>2</i>	<i>9 1</i>	<i>Rw</i>
610	Dis-assemble Gun	<i>7 2</i>		<i>Rw</i>
612	Magnaflux Barrel Action		<i>JUL 22 1991</i>	<i>GS</i>
	Magnaflux Bolt		<i>JUL 22 1991</i>	<i>GS</i>
615	Rollmark Caliber		<i>JUL 22 1991</i>	<i>GS</i>
617	Drill and Tap Sight Holes		<i>JUL 22 1991</i>	<i>LB</i>
618	Polish Barrel		<i>7/28/91</i>	<i>WB</i>
620	Apply Coatings (Barrel Action)		<i>7-23-91</i>	<i>LB</i>
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		<i>8/28/91</i>	<i>Rw</i>
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		<i>8/28/91</i>	<i>Rw</i>
	C) Inspect Ejector Hole for Chamfer		<i>8/28/91</i>	<i>Rw</i>
	D) Oil Firing Pin Ass'y		<i>8/28/91</i>	<i>Rw</i>
	E) Adjust Trigger Pull to Min Setting and Stake		<i>8/29/91</i>	<i>GM</i>

op. #	BARBER M24 0030621	READINGS				DATE	INIT
625 cont.	F) Safety On Force	6	5 1/2	5 3/4		8-29-91	DH
	G) Safety Off Force	3	3	3		8-29-91	DH
	H) Trigger Pull Test & Retainability					8/29/91	JR
	I) Firing Pin Indent	.022	.023	.021		8-29-91	DH
	J) Assemble Stock					8/31/91	RW
	K) Assemble Swivel Studs					8-4-91	DH
	L) Attach Front and Rear Sight Assemblies					8/31/91	RW
	M) Iron Sight Alignment					8/31/91	RW
	N) Detach Front & Rear Sights & place in numbered container					8/31/91	RW
	O) Attach Scope to Rifle					8/31/91	RW
	P) Detach & Attach Scope 20 Times					8/31/91	RW
640	Gallery Target & Test					9-3-91	DH
	A) Time					9-3-91	DH
	B) Malfunctions					9-3-91	DH
	C) Pierced Primers					9-3-91	DH
	D) Optical Clarity of Scope					9-3-91	DH
645	Inspect for Live Ammo					9-3-91	DH
655	Final Inspection						
	A) Headspace					9-4-91	DH
	B) Trigger Pull	2.24	2.28	2.19	2.23	2.19	9-3-91 DH
	C) Function						9-4-91 DH
660	Pack						9-17-91 DH

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. 06649012

DATE 8/29/91

TESTER JL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.38	2.25	2.29	2.24	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.50	2.17	2.44	2.28	
PULL #3	2.25	2.34	2.51	2.19	
PULL #4	2.44	2.27	2.49	2.23	
PULL #5	2.29	2.31	2.38	2.19	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.42	3.36		
PULL #2	3.33	3.34		
PULL #3	3.35	3.38		
PULL #4	3.32	3.44		
PULL #5	3.32	3.43		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.22	4.34		4.36
PULL #2	4.49	4.35		4.35
PULL #3	4.48	4.33		4.37
PULL #4	4.40	4.33		4.28
PULL #5	4.41	4.38		4.27
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06649012
3 Sep 1991

CENTROIDAL DISTANCES

0 TO	1	.298739
1 TO	2	.022561
1 TO	3	.381369
1 TO	4	.682528
1 TO	5	.614921

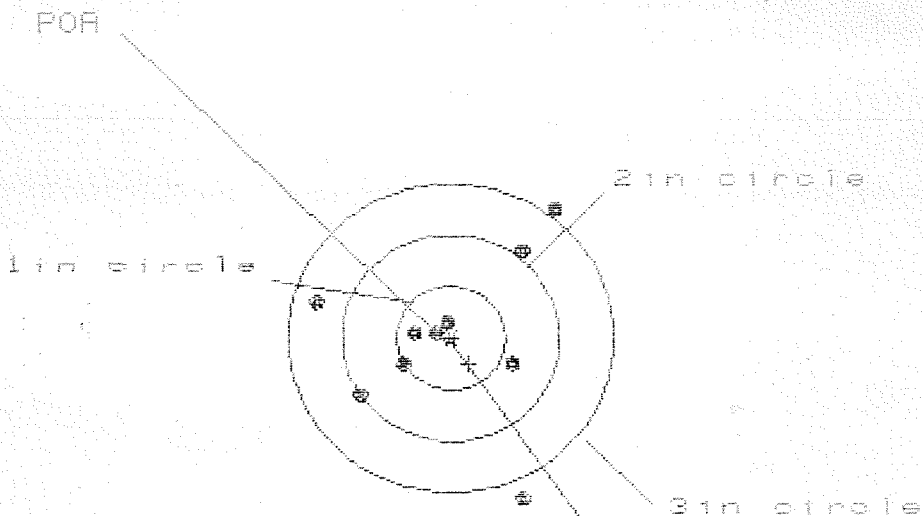
4.0 5 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0586
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0488
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0762589
THE AMR FOR THIS RIFLE IS: .0686

3 Sep 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08645012

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1 in = 4

2 in = 5

3 in = 8

HS= 2.188

VS= 2.812

GS= 2.821

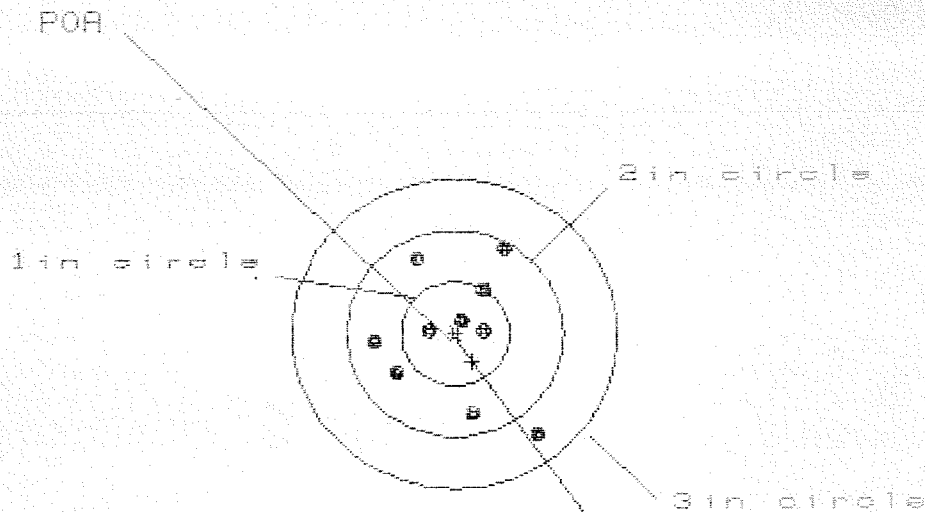
CENTROID x

PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.941	1.019	.915
MINIMUM X	-1.248	-1.169	-1.041
MAXIMUM Y	1.239	1.064	.763
MINIMUM Y	-1.574	-.761	-.628
CENTROID X	-.162	-.240	-.368
CENTROID Y	.251	.426	.293
POA TO CENTROID in.	.299	.489	.471
MIN RADIUS	.154	.092	.032
MEAN RADIUS	.845	.733	.595
MAX RADIUS	1.726	1.473	1.191
HORIZONTAL SPREAD	2.188	2.188	1.956
VERTICAL SPREAD	2.812	1.825	1.391
EXTREME SPREAD	2.821	2.514	2.043
NUMBER IN ONE INCH CIRCLE =	4		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	8		

23 SEP 1991

FILE:/PATTERNING/CENTERFIRE PATT/C8649012

CENTERFIRE PATTERNS # 2



OF SHOTS - 10

IN CIR

P **E** **R** **S**

25-43

317 = 19

HE- 1.521

$$V_E = 1.079$$

GS- 2.500

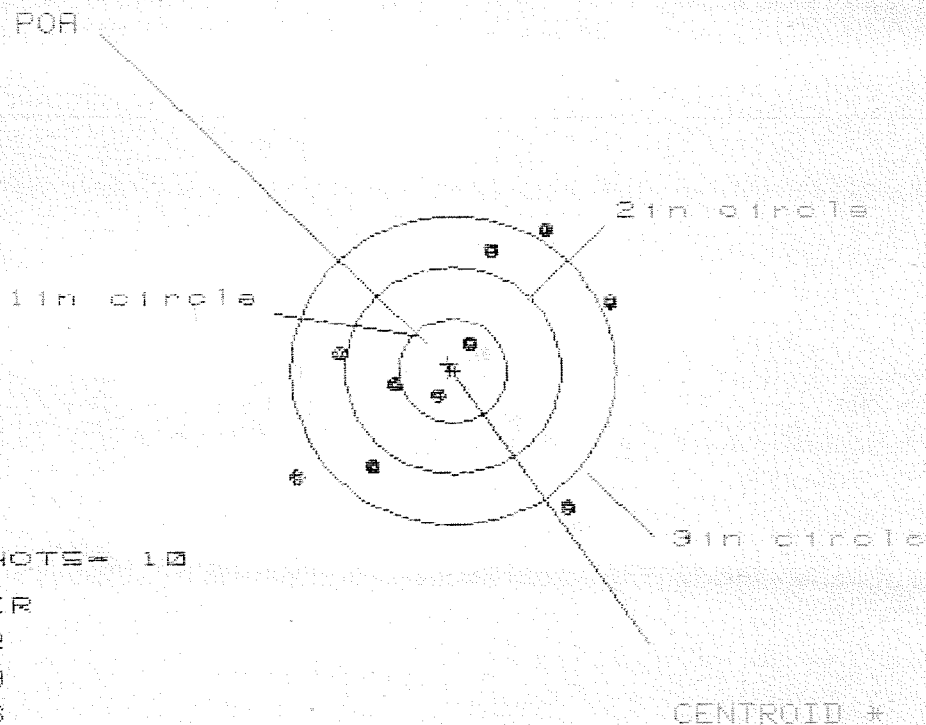
DEFENDING THE

PATTERN #	:	1	2	3
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.752	.534	.396
MINIMUM X	:	-.769	-.685	-.619
MAXIMUM Y	:	.864	.752	.703
MINIMUM Y	:	-1.009	-.896	-.802
CENTROID X	:	-.157	-.241	-.307
CENTROID Y	:	.273	.385	.291
POA TO CENTROID in.	:	.315	.454	.424
MIN RADIUS	:	.174	.144	.084
MEAN RADIUS	:	.646	.562	.517
MAX RADIUS	:	1.259	.922	.843
HORIZONTAL SPREAD	:	1.521	1.219	1.015
VERTICAL SPREAD	:	1.873	1.648	1.505
EXTREME SPREAD	:	2.030	1.683	1.562
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		9	
NUMBER IN THREE INCH CIRCLE	=		10	

3 Sep 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8649012

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 3

3 in = 6

HS= 2.836

VS= 2.661

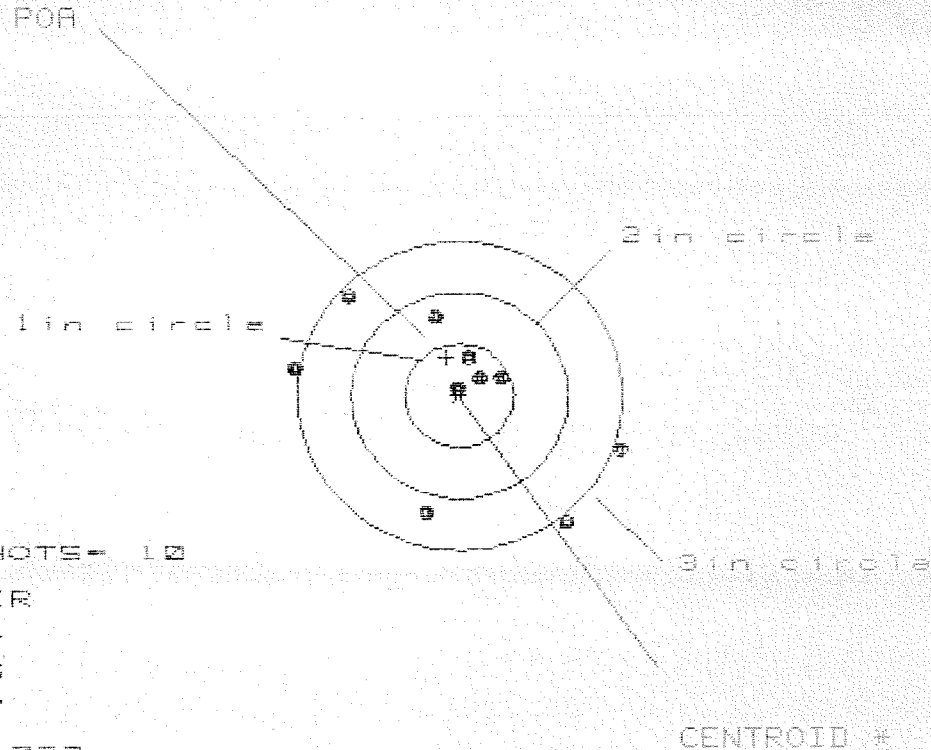
GS= 3.317

PATTERN #	3	3	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.413	1.254	1.368
MINIMUM X	-1.423	-1.213	-1.099
MAXIMUM Y	1.344	1.228	1.049
MINIMUM Y	-1.317	-1.433	-1.186
CENTROID X	.047	.205	.091
CENTROID Y	-.068	.048	.227
POR TO CENTROID in.	.083	.210	.245
MIN RADIUS	.250	.188	.141
MEAN RADIUS	1.115	1.044	.941
MAX RADIUS	1.769	1.695	1.418
HORIZONTAL SPREAD	2.836	2.467	2.467
VERTICAL SPREAD	2.661	2.661	2.235
EXTREME SPREAD	3.317	2.714	2.714
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	3		
NUMBER IN THREE INCH CIRCLE =	6		

3 Sep 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08549012

CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1 in = 4

2 in = 5

3 in = 7

HS= 3.027

VS= 2.174

GS= 3.140

CENTROID #

PATTERN #	4	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.489	1.144	.973
MINIMUM X	-1.538	-1.373	-1.998
MAXIMUM Y	.953	.893	.923
MINIMUM Y	-1.221	-1.281	-1.251
CENTROID X	.119	-.046	.125
CENTROID Y	-.371	-.311	-.341
POA TO CENTROID in.	.390	.315	.363
MIN RADIUS	.025	.176	.006
MEAN RADIUS	.911	.851	.734
MAX RADIUS	1.582	1.717	1.585
HORIZONTAL SPREAD	3.027	2.517	1.971
VERTICAL SPREAD	2.174	2.174	2.174
EXTREME SPREAD	3.140	2.940	2.934
NUMBER IN ONE INCH CIRCLE =	4		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	7		

3 Sep 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6649012

CENTERFIRE PATTERNS # 5

POB

1 in circle

2 in circle

3 in circle

OF SHOTS- 10

IN CIR

1 in = 2

2 in = 5

3 in = 9

HE= 2.057

VS= 2.292

GS= 2.484

CENTROID *

PATTERN #	5
SHOTS (BEST OF)	10
MAXIMUM X	1.050
MINIMUM X	-1.017
MAXIMUM Y	1.171
MINIMUM Y	-1.121
CENTROID X	.446
CENTROID Y	.159
POB TO CENTROID in.	.474
MIN RADIUS	.121
MEAN RADIUS	.826
MAX RADIUS	1.572
HORIZONTAL SPREAD	2.067
VERTICAL SPREAD	2.292
EXTREME SPREAD	2.484
NUMBER IN ONE INCH CIRCLE	2
NUMBER IN TWO INCH CIRCLE	6
NUMBER IN THREE INCH CIRCLE	9