

C6649108

MODEL 700™ M24

Model **SMS** **71**

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

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

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

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

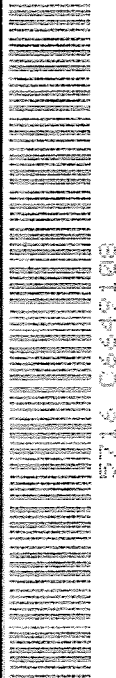
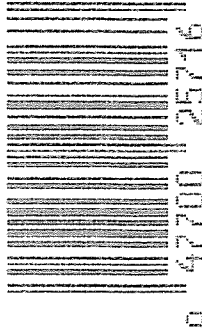
MODEL 700™ M24

SERIAL NO.
C6649108

ORDER NO.
5716

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

UPC



CONTRACT # DAAA21-87-C-0086

GUN SERIAL # **C6649108**

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	JS
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	DA
	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		7-25-91	KL

op. #	BARBER, M24 0064905 OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6 1/2	6	7			7-29-91	DH
	G) Safety Off Force	4	4	4			7-29-91	DH
	H) Trigger Pull Test & Retainability						7-29-91	SH
	I) Firing Pin Indent	.021	.021	.021			7-29-91	DH
	J) Assemble Stock						7/29/91	KL
	K) Assemble Swivel Studs							
	L) Attach Front and Rear Sight Assemblies						7/29/91	KL
	M) Iron Sight Alignment						7/29/91	KL
	N) Detach Front & Rear Sights & place in numbered container						7/29/91	KL
	O) Attach Scope to Rifle						7/29/91	KL
	P) Detach & Attach Scope 20 Times						7/29/91	KL
640	Gallery Target & Test						7-30-91	KT
	A) Time						"	KT
	B) Malfunctions						"	KT
	C) Pierced Primers						"	KT
	D) Optical Clarity of Scope						"	KT
645	Inspect for Live Ammo						7-30-91	KT
655	Final Inspection							
	A) Headspace						8-5-91	KL
	B) Trigger Pull	2.33	2.35	3.37	2.40	2.34	8-5-91	KL
	C) Function						8-5-91	KL
660	Pack						7-17-91	DH

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

SERIAL NO. C6649108DATE 7-25-91TESTER JL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.50	2.36	2.44	2.33	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.46	2.34	2.38	2.35	
PULL #3	2.59	2.28	2.30	2.37	
PULL #4	2.57	2.30	2.38	2.40	
PULL #5	2.42	2.39	2.38	2.39	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.51	3.59		
PULL #2	3.28	3.29		
PULL #3	3.32	3.29		
PULL #4	3.22	3.29		
PULL #5	3.34	3.29		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.30	4.31		4.38
PULL #2	4.39	4.32		4.37
PULL #3	4.40	4.32		4.45
PULL #4	4.34	4.38		4.39
PULL #5	4.34	4.36		4.44
TOTAL				
AVG.				

DISTANCE CALCULATIONS

C6649108

941

ADJUDAL DISTANCES

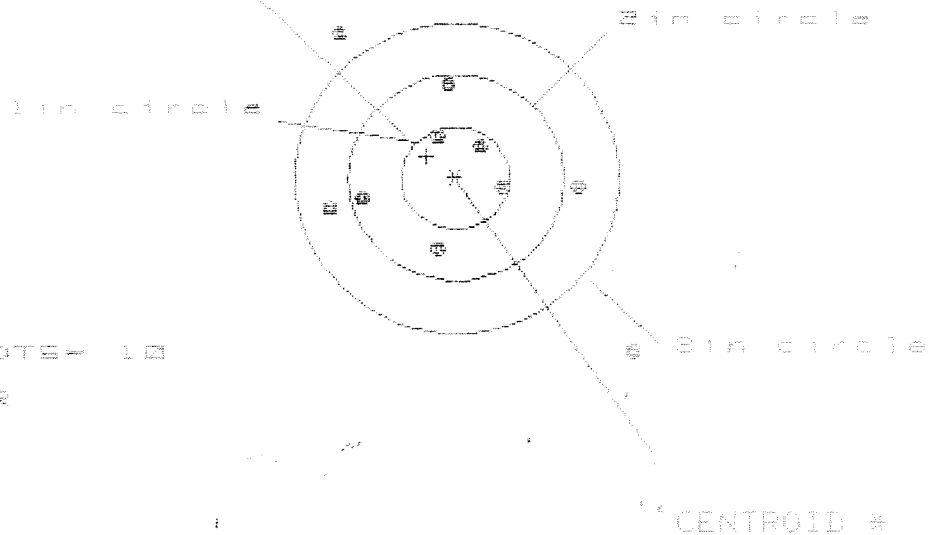
0 TO	1	.346092
1 TO	2	.456426
1 TO	3	.308462
1 TO	4	.578166
1 TO	5	.36932

45, <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0048
 THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0242
 THE ADJUSTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0246714
 THE COR FOR THIS RIFLE IS: .9474

PATTERNING/CENTERFIRE_PATT/00649108

CENTERFIRE PATTERNS # 1



OF SHOTS - 10

IN CIR

1 in = 3

2 in = 6

3 in = 8

HSE = 2.775

VSE = 3.145

ESE = 4.165

CENTROID *

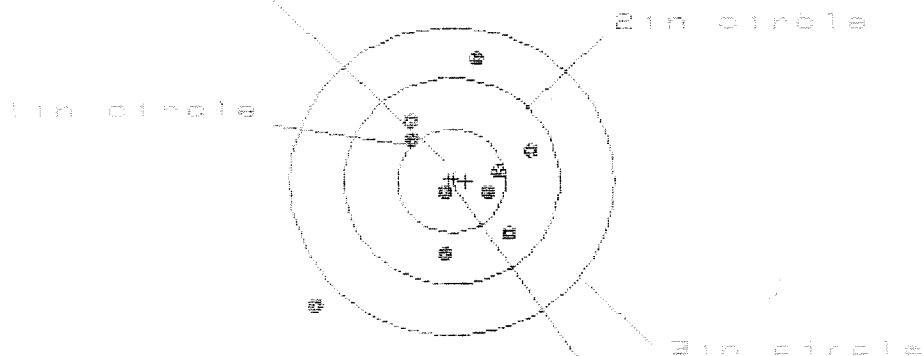
PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.651	1.336	1.234
MINIMUM X	-1.124	-.940	-1.052
MAXIMUM Y	1.426	1.235	.856
MINIMUM Y	-1.719	-.834	-.688
CENTROID X	.272	.088	.200
CENTROID Y	-.214	-.023	-.177
ASA TO CENTROID in.	.346	.091	.267
MIN RADIUS	.428	.182	.363
MEAN RADIUS	1.025	.847	.756
MAX RADIUS	2.384	1.526	1.226
HORIZONTAL SPREAD	2.775	2.276	2.276
VERTICAL SPREAD	3.145	2.069	1.536
EXTREME SPREAD	4.165	2.671	2.295
NUMBER IN ONE INCH CIRCLE	=	3	
NUMBER IN TWO INCH CIRCLE	=	6	
NUMBER IN THREE INCH CIRCLE	=	8	

32 J. 1981

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CENTERFIRE PATTERNS # 2

FOF



OF SHOTS= 10

IN CIR

1in = 3

2in = 5

3in = 9

HS= 2.0337

VS= 2.314

GS= 2.781

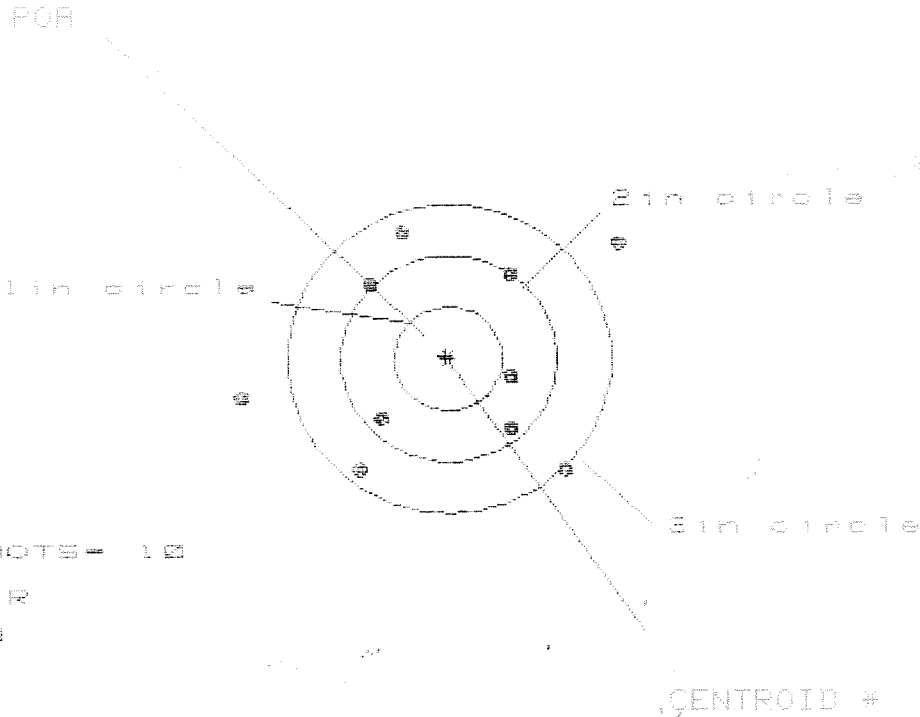
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.732	.587	.598
MINIMUM X	-1.305	-.547	-.536
MAXIMUM Y	1.145	1.016	.620
MINIMUM Y	-1.168	-.878	-.751
CENTROID X	-.129	.016	.005
CENTROID Y	.004	.134	.007
FOR TO CENTROID in.	.129	.135	.009
MIN RADIUS	.131	.258	.187
MEAN RADIUS	.731	.608	.531
MAX RADIUS	1.752	1.020	.819
HORIZONTAL SPREAD	2.037	1.134	1.134
VERTICAL SPREAD	2.314	1.894	1.371
EXTREME SPREAD	2.781	1.914	1.443
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		8	
NUMBER IN THREE INCH CIRCLE =		9	

30 Jul 1991

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CENTERFIRE PATTERNS # 3



PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.597	1.382	1.027
MINIMUM X	-1.939	-1.040	-0.667
MAXIMUM Y	1.220	1.180	1.311
MINIMUM Y	-1.075	-1.115	-0.984
CENTROID X	.029	.244	.071
CENTROID Y	-.024	.016	-.115
POA TO CENTROID in.	.038	.244	.135
MIN RADIUS	.607	.424	.546
MEAN RADIUS	1.231	1.128	1.043
MAX RADIUS	1.972	1.731	1.432
HORIZONTAL SPREAD	3.536	2.422	1.894
VERTICAL SPREAD	2.295	2.295	2.295
EXTREME SPREAD	3.019	3.231	2.738
NUMBER IN ONE INCH CIRCLE	=	0	
NUMBER IN TWO INCH CIRCLE	=	4	
NUMBER IN THREE INCH CIRCLE	=	7	

02 JUL 1991

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CENTERFIRE PATTERNS

4

POA

1 in circle

2 in circle

3 in circle

OF SHOTS= 10

IN CIR

1 in = 3

2 in = 7

3 in = 10

HS= 2.276

VS= 2.014

GS= 2.528

CENTROID *

PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.340	.787	.827
MINIMUM X	-.939	-.790	-.751
MAXIMUM Y	1.237	1.272	.629
MINIMUM Y	-.777	-.742	-.583
CENTROID X	-.254	-.403	-.443
CENTROID Y	.026	-.009	-.168
POA TO CENTROID in.	.256	.403	.473
MIN RADIUS	.189	.229	.316
MEAN RADIUS	.760	.698	.614
MAX RADIUS	1.377	1.311	.950
HORIZONTAL SPREAD	2.279	1.577	1.577
VERTICAL SPREAD	2.014	2.014	1.212
EXTREME SPREAD	2.528	2.297	1.702
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	10		

30 Jul 1991

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CENTERFIRE PATTERNS

5

POH

1 in circle

2 in circle

3 in circle

OF SHOTS - 10

IN CIR

1 in = 1

2 in = 5

3 in = 7

HS = 2.972

VS = 2.377

GS = 3.161

CENTROID *

PATTERN #

5

SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.367	1.189	1.282
MINIMUM X	-1.605	-1.667	-1.519
MAXIMUM Y	.875	.933	.746
MINIMUM Y	-1.502	-1.444	-1.327
CENTROID X	.058	.236	.088
CENTROID Y	.087	.029	-.088
POA TO CENTROID in.	.105	.238	.124
MIN RADIUS	.230	.348	.174
MEAN RADIUS	.990	.932	.830
MAX RADIUS	1.688	1.577	1.414
HORIZONTAL SPREAD	2.972	1.856	1.801
VERTICAL SPREAD	2.377	2.377	2.073
EXTREME SPREAD	3.161	2.996	2.285
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	7		