

C6648951

MODEL 700TM M24

Model **SMS** TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



Remington
MODEL 700™ M24

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

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

SERIAL NO.
C6648951

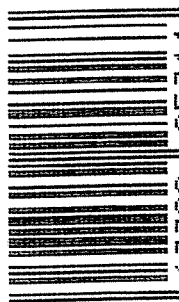
ORDER NO.
5716

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



5716 C6648951

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6648951

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	7 2 9 1		RW
600	Proof	7 2 9 1		RW
607	Check Headspace	7 2 9 1		RW
610	Dis-assemble Gun	7 2 9 1		RW
612	Magnaflux Barrel Action		JUL 22 1991	GS
	Magnaflux Bolt		JUL 22 1991	GS
615	Rollmark Caliber		JUL 22 1991	GS
617	Drill and Tap Sight Holes		JUL 22 1991	WB
618	Polish Barrel		7/22/91	WB
620	Apply Coatings (Barrel Action)		8/2/91	WB
	Apply Coating (Bolt)			WB
625	Final Assembly A) Clean inside of Bolt Assembly		8/9/91	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/9/91	RW
	C) Inspect Ejector Hole for Chamfer		8/9/91	RW
	D) Oil Firing Pin Ass'y		8/9/91	RW
	E) Adjust Trigger Pull to Min Setting and Stake		8/17/91	WB

op. #	NAME BARBER - M24 0033694	READINGS					DATE	INIT
625 cont.	F) Safety On Force	0	5	5 1/2			8-19-91	DH
	G) Safety Off Force	2 1/2	2 1/2	2 1/2			8-19-91	DH
	H) Trigger Pull Test & Retainability						8/17/91	W.B.
	I) Firing Pin Indent	.020	.020	.020			8-19-91	DH
	J) Assemble Stock						8/19/91	RW
	K) Assemble Swivel Studs						8-21-91	Ac
	L) Attach Front and Rear Sight Assemblies						8/19/91	RW
	M) Iron Sight Alignment						8/19/91	RW
	N) Detach Front & Rear Sights & place in numbered container						8/19/91	RW
	O) Attach Scope to Rifle						8/19/91	RW
	P) Detach & Attach Scope 20 Times						8/19/91	RW
640	Gallery Target & Test						8-20-91	DH
	A) Time						8-20-91	DH
	B) Malfunctions						8-20-91	DH
	C) Pierced Primers						8-20-91	DH
	D) Optical Clarity of Scope						8-20-91	DH
645	Inspect for Live Ammo						8-20-91	DH
655	Final Inspection							
	A) Headspace						8-21-91	Ac
	B) Trigger Pull	2.20	2.37	2.45	2.47	2.39	8-20-91	DH
	C) Function						8-21-91	Ac
660	Pack						9-19-91	NE

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C 6698951DATE 8/17/91TESTER WB

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.49	2.50	2.37	2.20	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.48	2.43	2.46	2.37	
PULL #3	2.50	2.52	2.56	2.45	
PULL #4	2.50	2.43	2.52	2.47	
PULL #5	2.45	2.53	2.59	2.39	
TOTAL	12.42	12.41	12.70		
AVG.	2.48	2.48	2.54		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.17	3.16		
PULL #2	3.09	3.21		
PULL #3	3.11	3.19		
PULL #4	3.05	3.15		
PULL #5	3.01	3.17		
TOTAL	15.43	15.88		
AVG.	3.09	3.18		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.06	3.95		4.03
PULL #2	4.04	3.90		4.12
PULL #3	3.95	4.07		4.12
PULL #4	4.13	4.03		4.07
PULL #5	4.11	3.97		4.09
TOTAL	20.29	19.92		20.43
AVG.	4.06	3.98		4.08

CENTROIDAL DISTANCE CALCULATIONS
 FOR RIFLE # C6648951
 22 Aug 1991

CENTROIDAL DISTANCES

0 TO 1	.233925
1 TO 2	.404401
1 TO 3	.366175
1 TO 4	.337125
1 TO 5	.521921

st <----POA

AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0822
 AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0242
 RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0856883
 RADIUS FOR THIS RIFLE IS: .8494

22 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06648351

CENTERFIRE PATTERNS # 1

POA

1in circle

2in circle

3in circle

OF SHOTS= 10

IN CIR

1in = 3

2in = 6

3in = 10

HS= 2.276

VS= 2.176

GE= 2.453

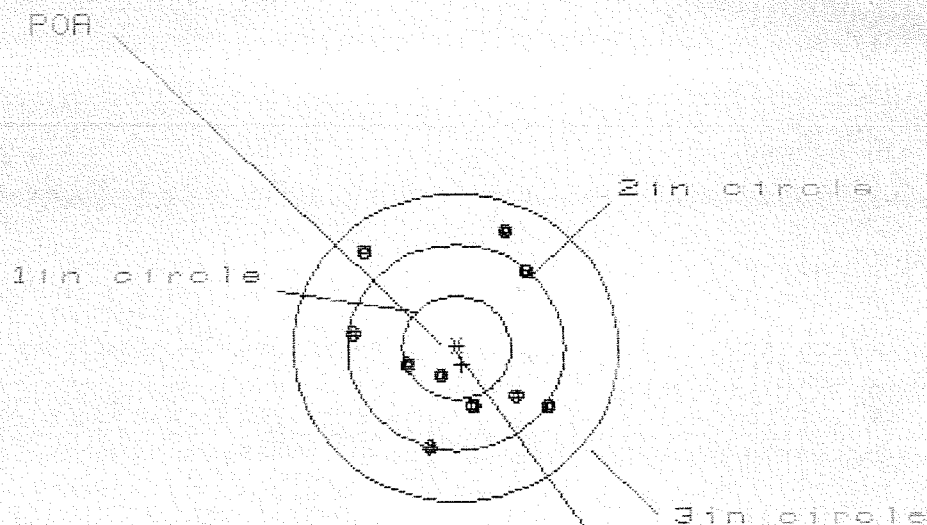
CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.152	1.120	.565
MINIMUM X	-1.123	-1.156	-1.016
MAXIMUM Y	1.257	.779	.724
MINIMUM Y	-.919	-.779	-.834
CENTROID X	.064	.096	-.044
CENTROID Y	-.225	-.365	-.310
POA TO CENTROID in.	.234	.377	.313
MIN RADIUS	.118	.115	.036
MEAN RADIUS	.739	.676	.608
MAX RADIUS	1.291	1.252	1.102
HORIZONTAL SPREAD	2.276	2.276	1.581
VERTICAL SPREAD	2.176	1.558	1.558
EXTREME SPREAD	2.453	2.453	1.732
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		10	

22 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6646351

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1in = 2

2in = 5

3in = 10

HS= 1.025

VS= 2.044

GS= 2.272

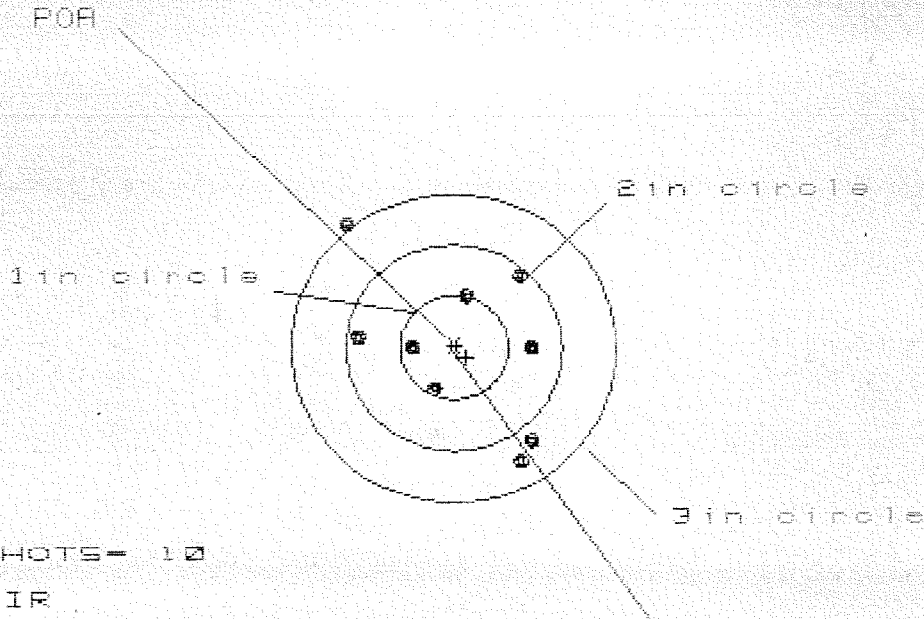
CENTROID *

PATTERN #	2	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.835	.741	.790
MINIMUM X	-.991	-1.084	-1.035
MAXIMUM Y	1.098	1.202	1.037
MINIMUM Y	-.946	-.842	-.691
CENTROID X	-.050	.044	-.005
CENTROID Y	.163	.059	-.092
POA TO CENTROID in.	.170	.073	.092
MIN RADIUS	.266	.272	.203
MEAN RADIUS	.853	.787	.687
MAX RADIUS	1.256	1.264	1.198
HORIZONTAL SPREAD	1.825	1.825	1.825
VERTICAL SPREAD	2.044	2.044	1.728
EXTREME SPREAD	2.272	2.160	1.977
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	10		

22 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C864B951

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1in = 3

2in = 7

3in = 9

HS= 1.582

VS= 2.326

GS= 2.811

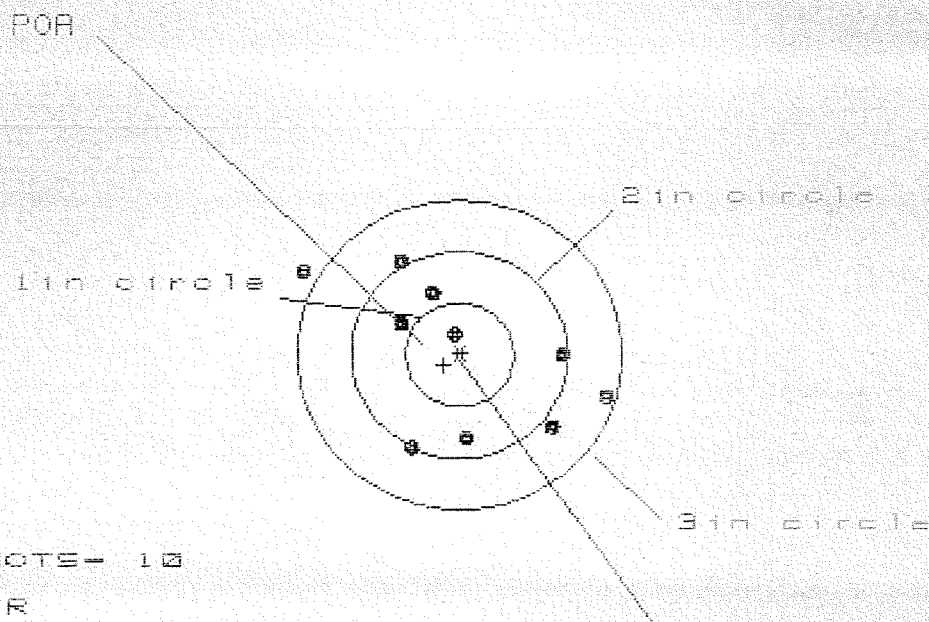
CENTROID #

PATTERN #	3	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.735	.629	.695
MINIMUM X	-.947	-1.006	-.940
MAXIMUM Y	1.231	.821	.701
MINIMUM Y	-1.095	-.958	-.897
CENTROID X	-.114	-.008	-.074
CENTROID Y	.095	-.042	.078
POA TO CENTROID in.	.148	.043	.107
MIN RADIUS	.405	.411	.446
MEAN RADIUS	.833	.757	.694
MAX RADIUS	1.554	1.093	1.116
HORIZONTAL SPREAD	1.682	1.635	1.635
VERTICAL SPREAD	2.326	1.779	1.598
EXTREME SPREAD	2.811	1.926	1.883
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	9		

22 Aug 1981

FILE:/PATTERNING/CENTERFIRE_PATT/C684B951

CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 5

3 in = 9

HS= 2.772

VS= 1.817

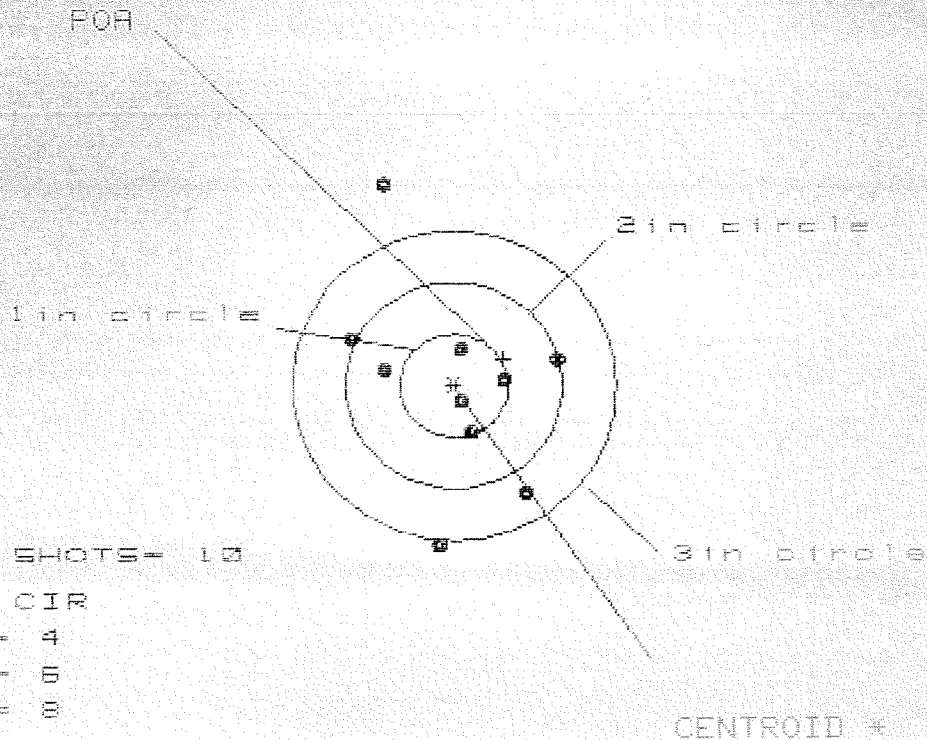
GS= 3.006

PATTERN #	1	4	9
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.317	1.156	.966
MINIMUM X	-1.455	-.747	-.603
MAXIMUM Y	.898	.983	.943
MINIMUM Y	-.919	-.834	-.874
CENTROID X	.146	.307	.163
CENTROID Y	.102	.017	-.057
POA TO CENTROID in.	.178	.308	.173
MIN RADIUS	.171	.314	.218
MEAN RADIUS	.939	.865	.901
MAX RADIUS	1.641	1.235	1.119
HORIZONTAL SPREAD	2.772	1.903	1.569
VERTICAL SPREAD	1.817	1.817	1.817
EXTREME SPREAD	3.006	2.306	2.118
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	9		

22 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C664B931

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1 in = 4

2 in = 6

3 in = 8

HS= 1.910

VS= 3.468

GS= 3.502

CENTROID *

PATTERN #	5		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.955	.888	.866
MINIMUM X	-.955	-1.022	-1.044
MAXIMUM Y	1.954	.661	.499
MINIMUM Y	-1.514	-1.297	-.983
CENTROID X	-.457	-.390	-.368
CENTROID Y	-.256	-.473	-.311
POA TO CENTROID in.	.524	.614	.482
MIN RADIUS	.132	.107	.058
MEAN RADIUS	.883	.739	.643
MAX RADIUS	2.045	1.309	1.158
HORIZONTAL SPREAD	1.910	1.910	1.910
VERTICAL SPREAD	3.468	1.958	1.482
EXTREME SPREAD	3.502	2.174	2.174
NUMBER IN ONE INCH CIRCLE =		4	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		8	