

C6349046

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.	VERY IMPORTANT: Instruction Book enclosed to assure safe use of this firearm.
MODEL 700™ M24		SERIAL NO. C6349046	ORDER NO. 5716
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat & Tm. Off, Marca Registrada Marque Deposee.			



5716 C6349046



CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6349046

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	1 12 90		RW
600	Proof	1 12 90		✓
607	Check Headspace	1 12 90		✓
610	Dis-assemble Gun	1 12 90		RW
612	Magnaflux Barrel Action	1-16-90		KCR
	Magnaflux Bolt	1-17-90		KCR
615	Rollmark Caliber		1/17/90	GS
617	Drill and Tap Sight Holes		1/19/90	FB
618	Polish Barrel RB		1/22/90	WB
620	Apply Coatings (Barrel Action)		1-20-90	TA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		2/2/90	WB
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		2/6/90	RW
	C) Inspect Ejector Hole for Chamfer		2/6/90	RW
	D) Oil Firing Pin Ass'y		2/6/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		2-6-90	RL

op. #	BARBER, M24 0106601 OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4 1/2	4 1/2	4 1/2			2/8/90	WB
	G) Safety Off Force	2 1/2	2 1/2	2 1/2			2/8/90	WB
	H) Trigger Pull Test & Retainability						2-6-90	JL
	I) Firing Pin Indent	.021	.021	.0205			2/8/90	WB
	J) Assemble Stock						4/18/90	RW
	K) Assemble Swivel Studs						4/30/90	WB
	L) Attach Front and Rear Sight Assemblies						4/18/90	RW
	M) Iron Sight Alignment						4/18/90	RW
	N) Detach Front & Rear Sights & place in numbered container						4/18/90	RW
	O) Attach Scope to Rifle						4/19/90	WB
	P) Detach & Attach Scope 20 Times						4/19/90	WB
640	Gallery Target & Test						4-20-90	AC
	A) Time						4-20-90	AC
	B) Malfunctions						4-20-90	AC
	C) Pierced Primers						4-20-90	AC
	D) Optical Clarity of Scope						4-20-90	AC
645	Inspect for Live Ammo						4-20-90	AC
655	Final Inspection A) Headspace						4/26/90	WB
	B) Trigger Pull	2.52	2.48	2.47	2.48	2.51	4/26/90	WB
	C) Function						4/30/90	WB
660	Pack						6-7-90	D/H

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#
3.00# ± .75#
4.00# ± 1.00#

SERIAL NO. C6349046DATE 4/16/90TESTER DH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.46	2.45	2.47	2.52	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.45	2.32	2.47	2.48	
PULL #3	2.45	2.37	2.52	2.47	
PULL #4	2.46	2.41	2.51	2.48	
PULL #5	2.48	2.41	2.45	2.51	
TOTAL	12.30	11.96	12.42		
AVG.	2.46	2.39	2.48		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.26	3.34		
PULL #2	3.25	3.30		
PULL #3	3.28	3.36		
PULL #4	3.32	3.45		
PULL #5	3.31	3.42		
TOTAL	16.42	16.87		
AVG.	3.28	3.37		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.30	4.22		4.21
PULL #2	4.18	4.31		4.12
PULL #3	4.19	4.36		4.10
PULL #4	4.14	4.23		4.17
PULL #5	4.18	4.38		4.14
TOTAL	20.99	21.50		20.74
AVG.	4.19	4.30		4.14

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06349046
20 Apr 1990

CENTROIDAL DISTANCES

0 TO	1	.284201
1 TO	2	.006
1 TO	3	.396415
1 TO	4	.595671
1 TO	5	.257235

3E 4 <----FOR

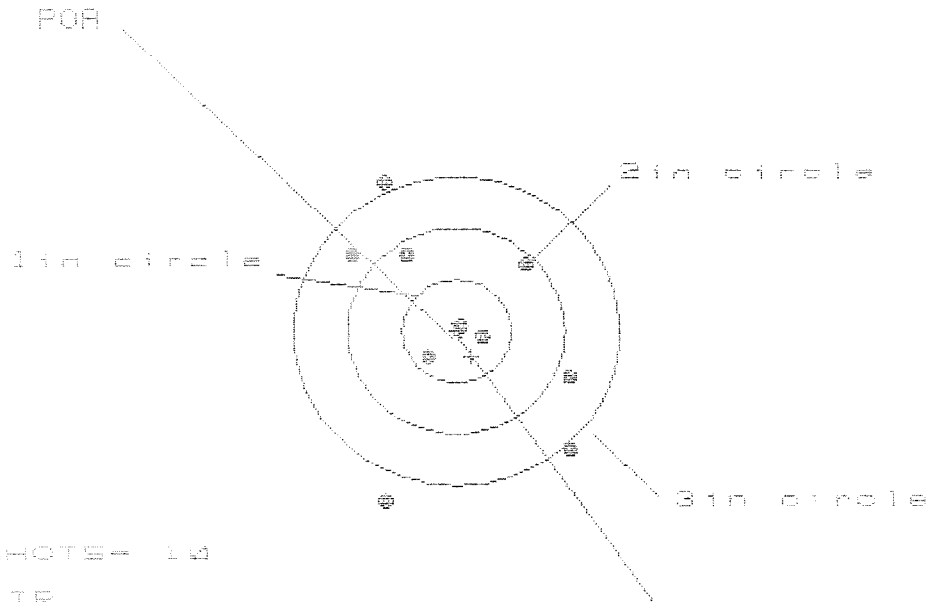
1. COORDINATE FOR THIS RIFLE IS: .0178
2. COORDINATE FOR THIS RIFLE IS: .0608
3. AVERAGE POI RADIUS FOR THIS RIFLE IS: .063352
4. THIS RIFLE IS: .793

28 Apr 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08349048

CENTERFIRE PATTERNS

1



OF SHOTS= 10

IN CIR

1in = 5

2in = 5

3in = 7

HSE 2.031

VSE 3.020

LSE 3.076

CENTROID #

PATTERN #

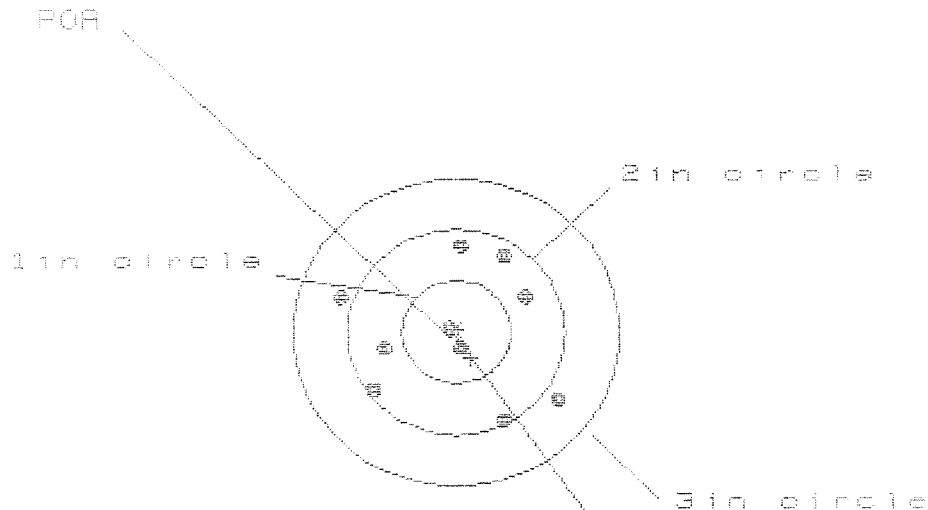


SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.039	.964	.872
MINIMUM X	-.992	-1.067	-1.159
MAXIMUM Y	1.409	1.230	.724
MINIMUM Y	-1.611	-1.356	-1.202
MAXIMUM X	-.137	-.062	.030
MINIMUM X	.249	.428	.274
MAXIMUM Y	.284	.433	.276
MINIMUM Y	.090	.124	.100
MAXIMUM X	.976	.884	.791
MINIMUM X	1.749	1.645	1.467
HORIZONTAL SPREAD	2.031	2.031	2.031
VERTICAL SPREAD	3.020	2.586	1.926
DIAGONAL SPREAD	3.076	3.076	2.768
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		7	

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CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1in = 2

2in = 8

3in = 10

SEP = 1.038

SEP = 1.623

SEP = 1.264

CENTROID *

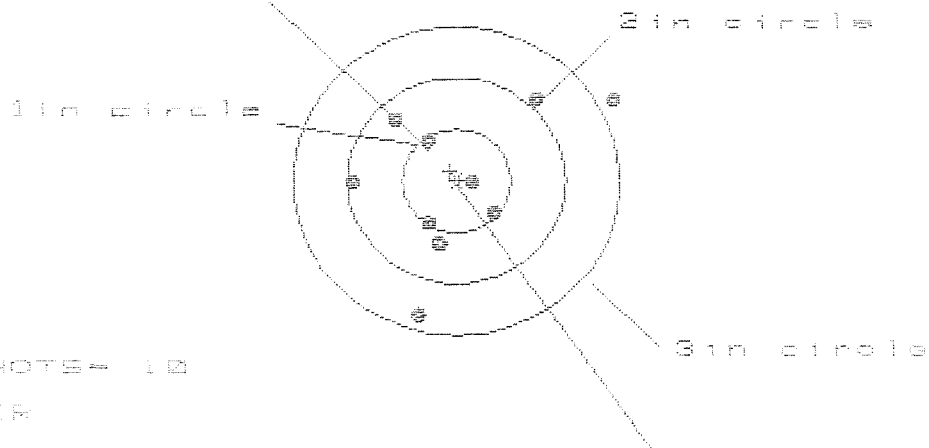
PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
NO. INCH X	.942	.751	.627
NO. INCH Y	-1.096	-.992	-.882
NO. INCH X	.814	.741	.772
NO. INCH Y	-.889	-.882	-.851
CENTROID X	-.137	-.241	-.117
CENTROID Y	.255	.328	.297
POA TO CENTROID IN.	.289	.488	.319
NO. RADIOS	.075	.082	.051
NO. RADIOS	.756	.784	.649
NO. RADIOS	1.151	1.037	.991
HORIZONTAL SPREAD	2.038	1.743	1.429
VERTICAL SPREAD	1.623	1.623	1.623
SPREAD	2.264	1.969	1.783
NO. IN ONE INCH CIRCLE	=	2	
NO. IN TWO INCH CIRCLE	=	8	
NO. IN THREE INCH CIRCLE	=	10	

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CENTERFIRE PATTERNS # 3

FOR



OF SHOTS = 10

IN CIR

1in = 4

2in = 7

3in = 9

VE = 2.600

VSE = 2.657

GSE = 2.731

CENTROID #

PATTERN #	10	9	8
SAME (BEST OF)	10	9	8
MAXIMUM X	1.396	.850	.825
MINIMUM X	-.992	-.837	-.862
MAXIMUM Y	.763	.847	.691
MINIMUM Y	-1.334	-1.250	-.662
CENTROID X	.060	-.095	-.070
CENTROID Y	-.095	-.179	-.023
FOR TO CENTROID in.	.113	.203	.073
MIN RADIUS	.139	.299	.267
MAX RADIUS	.798	.701	.626
MIN SPREAD	1.588	1.266	1.076
MAX SPREAD	2.388	1.687	1.687
VECT. SPREAD	2.097	2.097	1.353
G. SPREAD	2.731	2.348	1.849
NUMBER IN ONE INCH CIRCLE =	4		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	9		

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CENTERFIRE PATTERNS

4

POA

1in circle

2in circle

3in circle

CF SHOTS= 10

* 1IN CIR

1in = 6

2in = 7

3in = 10

HSE= 2.744

VSE= 1.264

HSE= 2.761

CENTROID #

PATTERN #

4

SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.385	1.065	.914
MINIMUM X	-1.359	-1.205	-.855
MAXIMUM Y	.530	.563	.547
MINIMUM Y	-.734	-.701	-.717
CENTROID X	.213	.059	.210
CENTROID Y	-.233	-.266	-.250
HOR TO CENTROID (in)	.315	.272	.327
VERT PEG (in)	.077	.233	.081
PEAK RADIUS	.833	.756	.693
AA RADIUS	1.417	1.211	1.044
HORIZONTAL SPREAD	2.744	2.270	1.769
VERTICAL SPREAD	1.264	1.264	1.264
EXTREME SPREAD	2.781	2.359	1.802
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		10	

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CENTERFIRE PATTERNS

5

FOR

1 in circle

2 in circle

3 in circle

OF SHOTS- 10

IN CIR

1 in = 3

2 in = 10

3 in = 10

CENTROID *

ME = 1.401

SE = 1.861

LE = 1.878

PATTERN #

5

SHOTS (BEST OF)	10	9	8
MAXIMUM X	.755	.749	.711
MINIMUM X	-.646	-.652	-.690
MAXIMUM Y	.863	.752	.516
MINIMUM Y	-.998	-.562	-.468
CENTROID X	.090	.096	.134
CENTROID Y	.128	.239	.145
FOOT TO CENTROID in.	.156	.257	.197
MIN. RADIUS	.109	.201	.154
MEAN RADIUS	.608	.562	.522
MAX RADIUS	.999	.860	.834
HORIZONTAL SPREAD	1.401	1.401	1.401
VERTICAL SPREAD	1.061	1.314	.984
EXTREME SPREAD	1.878	1.563	1.563
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		10	
NUMBER IN THREE INCH CIRCLE =		10	