

C6349092

MODEL 700TM M24

Model **SMS**TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

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

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

DUPONT

MODEL 700™ M24

SERIAL NO.
C6349092

ORDER NO.
5716

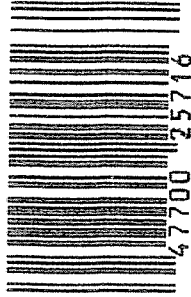
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.

01



5716 C6349092

UPC



7

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CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6349092

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	3 31	90	RW
600	Proof	3 31	90	RW
607	Check Headspace	3 31	90	RW
610	Dis-assemble Gun	3 31	90	RW
612	Magnaflux Barrel Action	4-2-90		KER
	Magnaflux Bolt	4-2-90		KER
615	Rollmark Caliber	4-2-90		GA
617	Drill and Tap Sight Holes		4/4/90	LB
618	Polish Barrel RB		4/5/90	WB
620	Apply Coatings (Barrel Action)		4-9-90	TA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		4/18/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		4/18/90	RW
	C) Inspect Ejector Hole for Chamfer		4/18/90	RW
	D) Oil Firing Pin Ass'y		4/18/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		5/2/90	98

BARBER - M24 0107619		READINGS					DATE	INIT
op. #	OP. NAME							
625 cont.	F) Safety On Force	4	4	4			5/7/90	RL
	G) Safety Off Force	3	3	3			5/7/90	RL
	H) Trigger Pull Test & Retainability						5/2/90	RL
	I) Firing Pin Indent	.0205	.020	.0205			5/7/90	RL
	J) Assemble Stock						5/8/90	RW
	K) Assemble Swivel Studs						5/11/90	WB
	L) Attach Front and Rear Sight Assemblies						5/8/90	RW
	M) Iron Sight Alignment						5/8/90	RW
	N) Detach Front & Rear Sights & place in numbered container						5/8/90	RW
	O) Attach Scope to Rifle						5/8/90	WB
	P) Detach & Attach Scope 20 Times						5/8/90	WB
640	Gallery Target & Test						5-8-90	DH
	A) Time						5-8-90	DH
	B) Malfunctions						5-8-90	DH
	C) Pierced Primers						5-8-90	DH
	D) Optical Clarity of Scope						5-8-90	DH
645	Inspect for Live Ammo						5-8-90	DH
655	Final Inspection						5/11/90	WB
	A) Headspace							
	B) Trigger Pull	2.39	2.34	2.13	2.22	2.13	5/11/90	WB
	C) Function						5/11/90	WB
660	Pack						6-9-90	DH

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6349092

DATE 5/2/90

TESTER JEF

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.47	2.49	2.43	2.29	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.53	2.41	2.40	2.34	
PULL #3	2.50	2.43	2.51	2.13	
PULL #4	2.37	2.42	2.36	2.22	
PULL #5	2.38	2.36	2.42	2.13	
TOTAL	12.25	12.11	12.02		
AVG.	2.45	2.422	2.404		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.47	3.31		
PULL #2	3.35	3.27		
PULL #3	3.29	3.33		
PULL #4	3.20	3.53		
PULL #5	3.29	3.49		
TOTAL	16.60	16.93		
AVG.	3.32	3.386		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.50	4.37		4.49
PULL #2	4.38	4.23		4.39
PULL #3	4.40	4.42		4.44
PULL #4	4.14	4.38		4.50
PULL #5	4.20	4.33		4.39
TOTAL	21.62	21.73		22.21
AVG.	4.324	4.346		4.442

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6349092
9 May 1990

CENTROIDAL DISTANCES

0 TO	1	.366175
1 TO	2	.743034
1 TO	3	.321972
1 TO	4	.540693
1 TO	5	.390151

3431 (---POR

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.1752
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1654
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .24094
THE ANR FOR THIS RIFLE IS: .865

9 May 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C6349092

CENTERFIRE PATTERNS

1

POR

1in circle

2in circle

3in circle

OF SHOTS= 10

IN CIR

1in = 1

2in = 7

3in = 10

HS= 1.926

VS= 1.662

GS= 2.304

CENTROID #

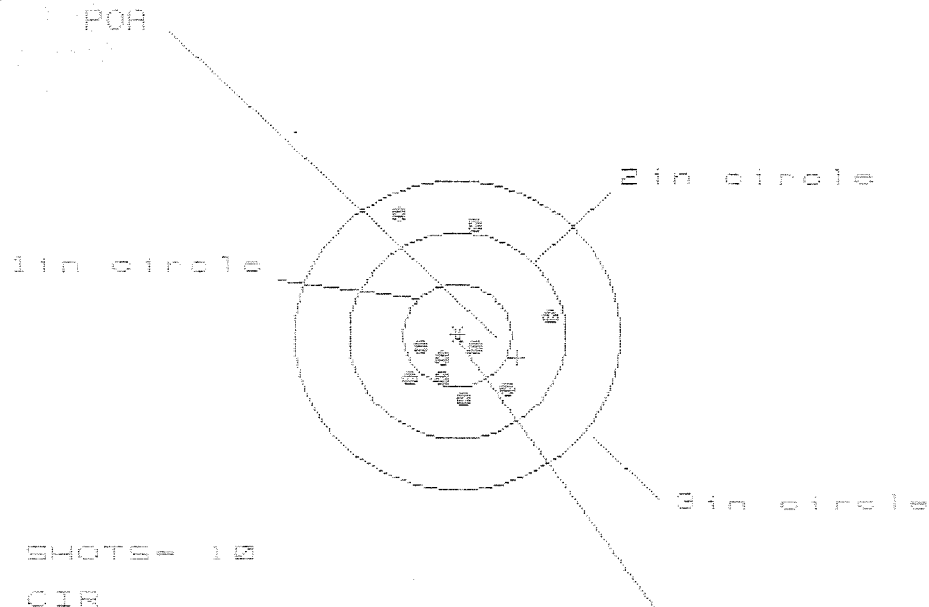
PATTERN #		1	2	3
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.985	1.077	.997
MINIMUM X	:	-.941	-.849	-.929
MAXIMUM Y	:	1.033	1.147	.956
MINIMUM Y	:	-.629	-.514	-.371
CENTROID X	:	.178	.086	.167
CENTROID Y	:	.320	.205	.062
POR TO CENTROID in.	:	.366	.223	.178
MIN RADIUS	:	.385	.504	.383
MEAN RADIUS	:	.876	.811	.720
MAX RADIUS	:	1.325	1.316	1.025
HORIZONTAL SPREAD	:	1.926	1.926	1.926
VERTICAL SPREAD	:	1.662	1.661	1.327
EXTREME SPREAD	:	2.304	2.304	1.966
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	7		
NUMBER IN THREE INCH CIRCLE	=	10		

9 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8349092

CENTERFIRE PATTERNS

2



OF SHOTS- 10

IN CIR

1in = 4

2in = 8

3in = 10

HS= 1.345

VS= 1.763

GS= 1.915

PATTERN #

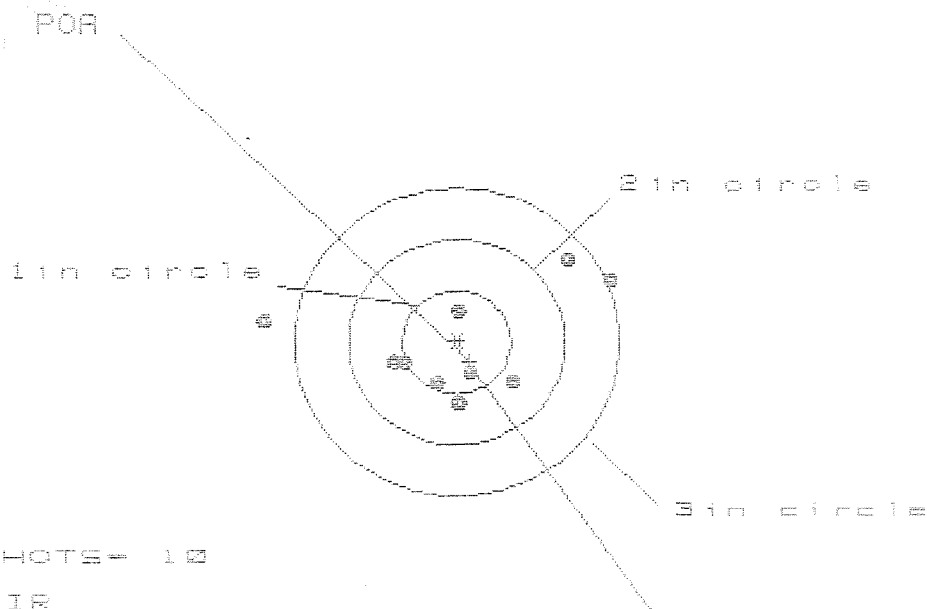
2

SHOTS (BEST OF)	10	9	8
MAXIMUM X	.830	.772	.784
MINIMUM X	-.515	-.513	-.501
MAXIMUM Y	1.176	1.185	.441
MINIMUM Y	-.587	-.456	-.308
CENTROID X	-.558	-.500	-.512
CENTROID Y	.218	.087	-.061
POA TO CENTROID in.	.599	.508	.515
MIN RADIUS	.191	.080	.173
MEAN RADIUS	.631	.512	.396
MAX RADIUS	1.284	1.188	.899
HORIZONTAL SPREAD	1.345	1.285	1.285
VERTICAL SPREAD	1.763	1.641	.749
EXTREME SPREAD	1.915	1.644	1.395
NUMBER IN ONE INCH CIRCLE =		4	
NUMBER IN TWO INCH CIRCLE =		8	
NUMBER IN THREE INCH CIRCLE =		10	

9 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08349082

CENTERFIRE PATTERNS # 3



OF SHOTS = 10

IN CIR

1 in = 3

2 in = 7

3 in = 8

HS = 3.151

VS = 1.447

GS = 3.188

CENTROID *

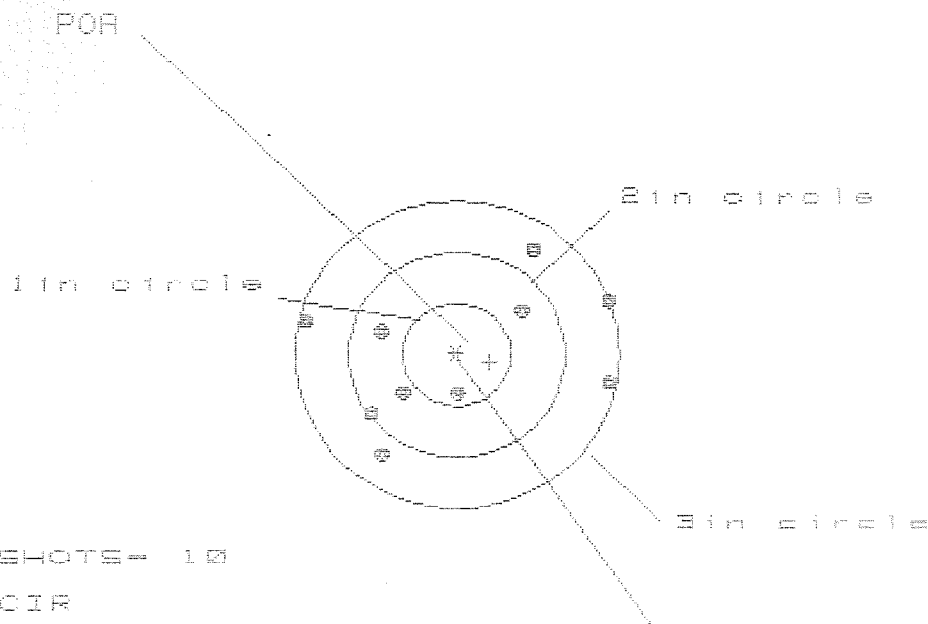
PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.407	1.214	.962
MINIMUM X	-1.744	-.814	-.662
MAXIMUM Y	.812	.834	.915
MINIMUM Y	-.635	-.613	-.531
CENTROID X	-.117	.076	-.075
CENTROID Y	.191	.169	.087
POR TO CENTROID in.	.224	.185	.116
MIN RADIUS	.290	.285	.202
MEAN RADIUS	.802	.704	.569
MAX RADIUS	1.755	1.378	1.328
HORIZONTAL SPREAD	3.151	2.028	1.624
VERTICAL SPREAD	1.447	1.447	1.447
EXTREME SPREAD	3.188	2.173	1.888
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		8	

9 May 1990

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CENTERFIRE PATTERNS

4



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 5

3 in = 10

HS= 2.732

VS= 1.988

GS= 2.791

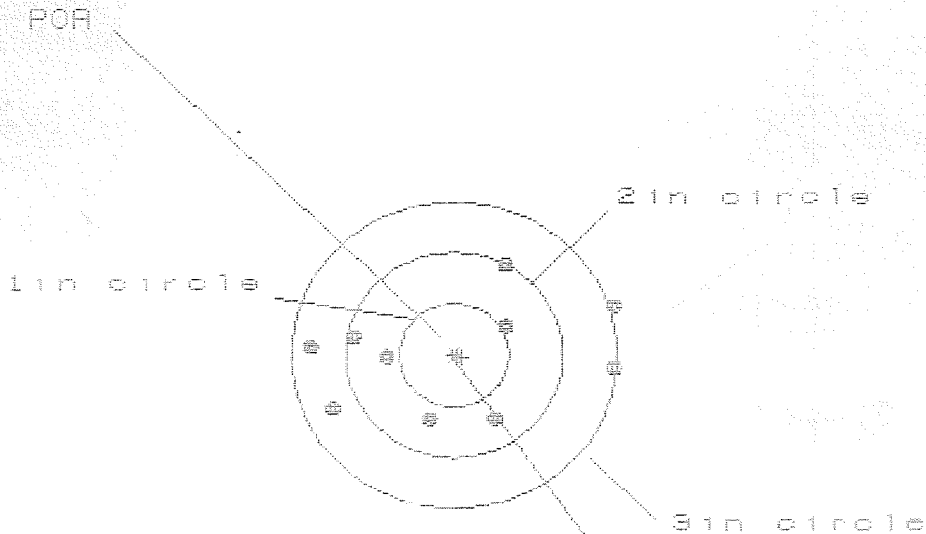
CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.376	1.518	1.367
MINIMUM X	-1.356	-1.203	-.775
MAXIMUM Y	1.012	1.070	1.123
MINIMUM Y	-.976	-.918	-.865
CENTROID X	-.304	-.457	-.306
CENTROID Y	.075	.017	-.036
POA TO CENTROID in.	.313	.457	.308
MIN RADIUS	.344	.330	.234
MEAN RADIUS	1.008	.927	.884
MAX RADIUS	1.473	1.531	1.376
HORIZONTAL SPREAD	2.732	2.721	2.142
VERTICAL SPREAD	1.988	1.988	1.988
EXTREME SPREAD	2.791	2.791	2.414
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	10		

9 May 1990

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CENTERFIRE PATTERNS # 5



OF SHOTS - 10

IN CIR

1in = 0

2in = 5

3in = 9

HS = 2.839

VS = 1.486

GS = 2.850

CENTROID #

PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.470	1.628	1.884
MINIMUM X	-1.369	-1.211	-1.007
MAXIMUM Y	.884	.936	.926
MINIMUM Y	-.602	-.550	-.560
CENTROID X	-.075	-.233	-.437
CENTROID Y	.023	-.029	-.019
POA TO CENTROID in.	.078	.235	.437
MIN RADIUS	.589	.432	.228
MEAN RADIUS	1.008	.929	.803
MAX RADIUS	1.504	1.631	1.244
HORIZONTAL SPREAD	2.839	2.839	1.891
VERTICAL SPREAD	1.486	1.486	1.486
EXTREME SPREAD	2.850	2.850	2.111
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	9		