

C6587729

MODEL 700TM M24

Model **SMS**TM

Action

Barrel Length

Capacity

Order No. **5715**

*Includes 1 in chamber.

Remington

Remington
MODEL 700TM M24

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

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

SERIAL NO.
06587709

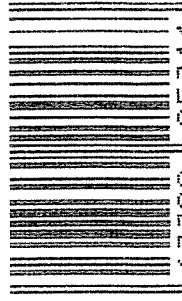
ORDER NO.
5716

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



5716 06587709

UPC



0 47700 25716

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6587709

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	1019	90	RW
600	Proof	1019	90	RW
607	Check Headspace	1019	90	RW
610	Dis-assemble Gun	1019	90	RW
612	Magnaflux Barrel Action		10/23/90	K.R
	Magnaflux Bolt		10/23/90	KR
615	Rollmark Caliber		10/23/90	LS
617	Drill and Tap Sight Holes		10/24/90	W/B
618	Polish Barrel <i>W/B</i>		10/24/90	W/B
620	Apply Coatings (Barrel Action)		11-7-90	TH
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		12/12/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		12/12/90	RW
	C) Inspect Ejector Hole for Chamfer		12/12/90	RW
	D) Oil Firing Pin Ass'y		12/12/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		1-9-91	TH

op. #	BARBER - M24 0025649	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4.25	4.25	4.25			1/8/91	KI
	G) Safety Off Force	2.50	2.50	2.50			1/8/91	KI
	H) Trigger Pull Test & Retainability						1-9-91	JH
	I) Firing Pin Indent	.020	.020	.020			1/8/91	KI
	J) Assemble Stock						1/14/91	RW
	K) Assemble Swivel Studs						1-15-91	JH
	L) Attach Front and Rear Sight Assemblies						1/14/91	RW
	M) Iron Sight Alignment						1/14/91	RW
	N) Detach Front & Rear Sights & place in numbered container						1/14/91	RW
	O) Attach Scope to Rifle						1/14/91	RW
	P) Detach & Attach Scope 20 Times						1/14/91	RW
640	Gallery Target & Test						1-14-91	DH
	A) Time						1-14-91	DH
	B) Malfunctions						1-14-91	DH
	C) Pierced Primers						1-14-91	DH
	D) Optical Clarity of Scope						1-14-91	DH
645	Inspect for Live Ammo						1-14-91	DH
655	Final Inspection							
	A) Headspace						1-15-91	JH
	B) Trigger Pull	2.18	2.22	2.15	2.18	2.20	1-15-91	JH
	C) Function						1-15-91	JH
660	Pack						3-19-91	NF

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO C6587709

DATE 1-9-91

TESTER J. 21

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.46	2.49	2.45	2.18	MIN. - SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.36	2.42	2.44	2.22	
PULL #3	2.44	2.49	2.40	2.15	
PULL #4	2.38	2.43	2.49	2.18	
PULL #5	2.49	2.49	2.43	2.20	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.11	3.49		
PULL #2	3.44	3.48		
PULL #3	3.49	3.45		
PULL #4	3.42	3.45		
PULL #5	3.40	3.37		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.24	4.35		4.29
PULL #2	4.20	4.20		4.31
PULL #3	4.20	4.28		4.32
PULL #4	4.38	4.36		4.33
PULL #5	4.26	4.31		4.35
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6587709
15 Jan 1991

CENTROIDAL DISTANCES

Ø TO	1	.359668
1 TO	2	.0915478
1 TO	3	.341844
1 TO	4	.0608769
1 TO	5	.10819

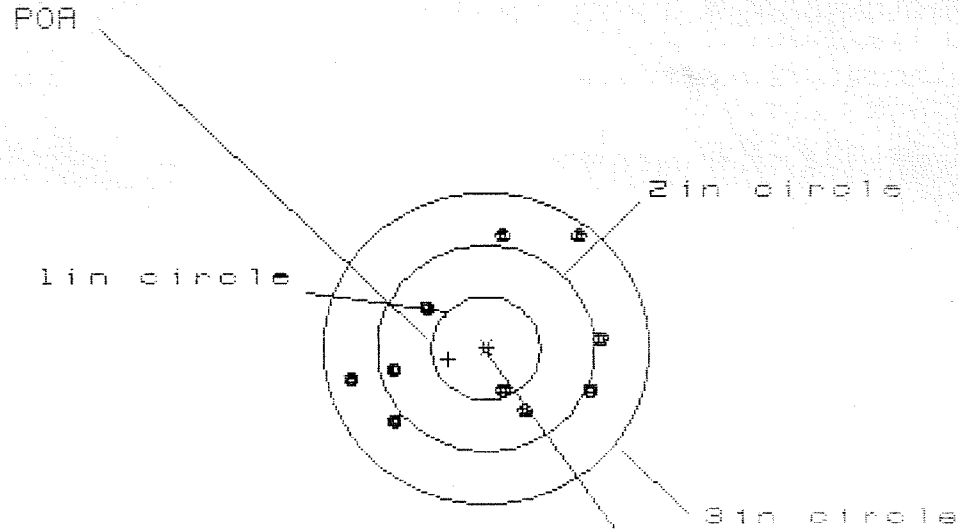
✱ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .2984
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0516
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .302629
THE AMR FOR THIS RIFLE IS: .9376

15 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8587789

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1in = 1

2in = 4

3in = 10

HS= 2.378

VS= 1.831

GS= 2.575

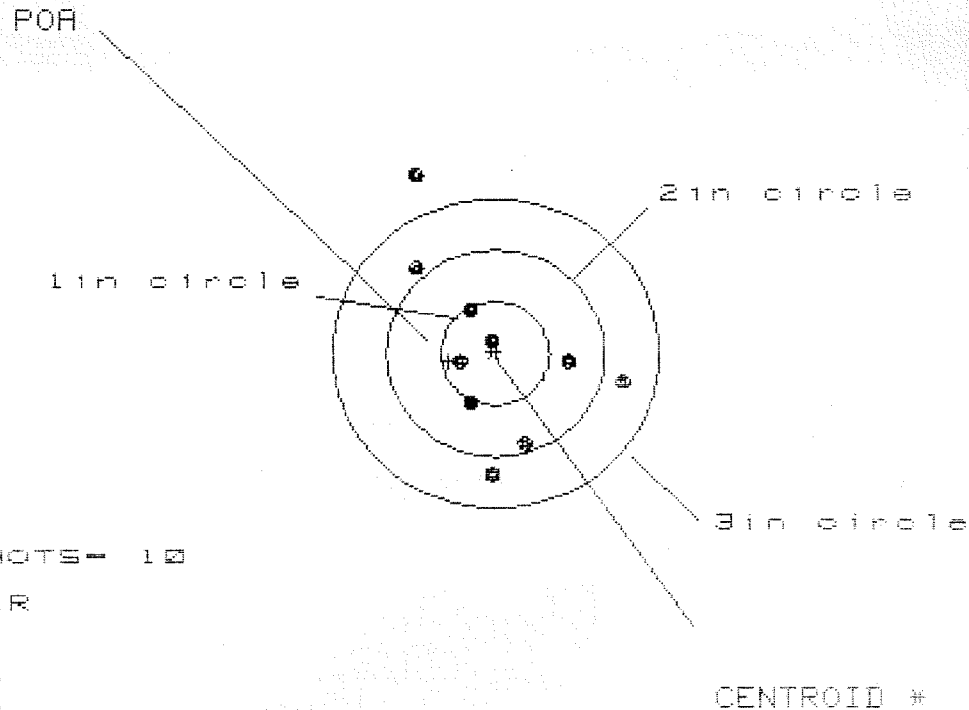
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.101	1.197	1.050
MINIMUM X	-1.277	-1.181	-0.895
MAXIMUM Y	1.127	1.249	1.227
MINIMUM Y	-0.704	-0.579	-0.601
CENTROID X	.344	.248	.395
CENTROID Y	.105	-0.020	.002
POA TO CENTROID in.	.360	.249	.395
MIN RADIUS	.466	.395	.354
MEAN RADIUS	.983	.911	.869
MAX RADIUS	1.421	1.278	1.233
HORIZONTAL SPREAD	2.378	2.378	1.945
VERTICAL SPREAD	1.831	1.828	1.828
EXTREME SPREAD	2.575	2.411	2.087
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	10		

15 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6587789

CENTERFIRE PATTERNS # 2



PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.213	1.132	.762
MINIMUM X	:	-.728	-.787	-.645
MAXIMUM Y	:	1.683	1.040	1.025
MINIMUM Y	:	-1.200	-1.013	-1.028
CENTROID X	:	.429	.510	.368
CENTROID Y	:	.071	-.116	-.101
POA TO CENTROID in.	:	.435	.522	.382
MIN RADIUS	:	.136	.339	.232
MEAN RADIUS	:	.846	.734	.660
MAX RADIUS	:	1.833	1.304	1.211
HORIZONTAL SPREAD	:	1.941	1.919	1.407
VERTICAL SPREAD	:	2.883	2.053	2.053
EXTREME SPREAD	:	2.971	2.239	2.167
NUMBER IN ONE INCH CIRCLE =			3	
NUMBER IN TWO INCH CIRCLE =			6	
NUMBER IN THREE INCH CIRCLE =			9	

15 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/CS587789

CENTERFIRE PATTERNS # 3

POB

1in circle

2in circle

3in circle

OF SHOTS- 10

IN CIR

1in = 2

2in = 5

3in = 10

HS= 2.337

VS= 1.921

GS= 2.466

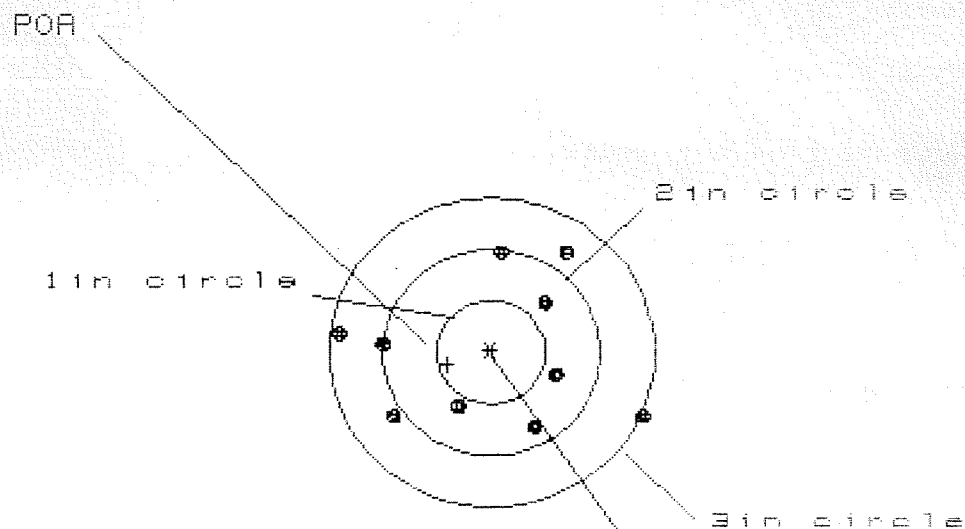
CENTROID #

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.179	1.051	.927
MINIMUM X	:	-1.158	-.991	-.782
MAXIMUM Y	:	.885	.960	.818
MINIMUM Y	:	-1.036	-.961	-.841
CENTROID X	:	.048	.176	.300
CENTROID Y	:	-.066	-.141	-.261
POB TO CENTROID in.	:	.082	.226	.398
MIN RADIUS	:	.468	.489	.528
MEAN RADIUS	:	.950	.901	.830
MAX RADIUS	:	1.341	1.380	1.015
HORIZONTAL SPREAD	:	2.337	2.042	1.709
VERTICAL SPREAD	:	1.921	1.921	1.659
EXTREME SPREAD	:	2.466	2.301	1.979
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		10	

15 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06587703

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in = 0

2in = 5

3in = 10

HS= 2.746

VS= 1.763

GS= 2.859

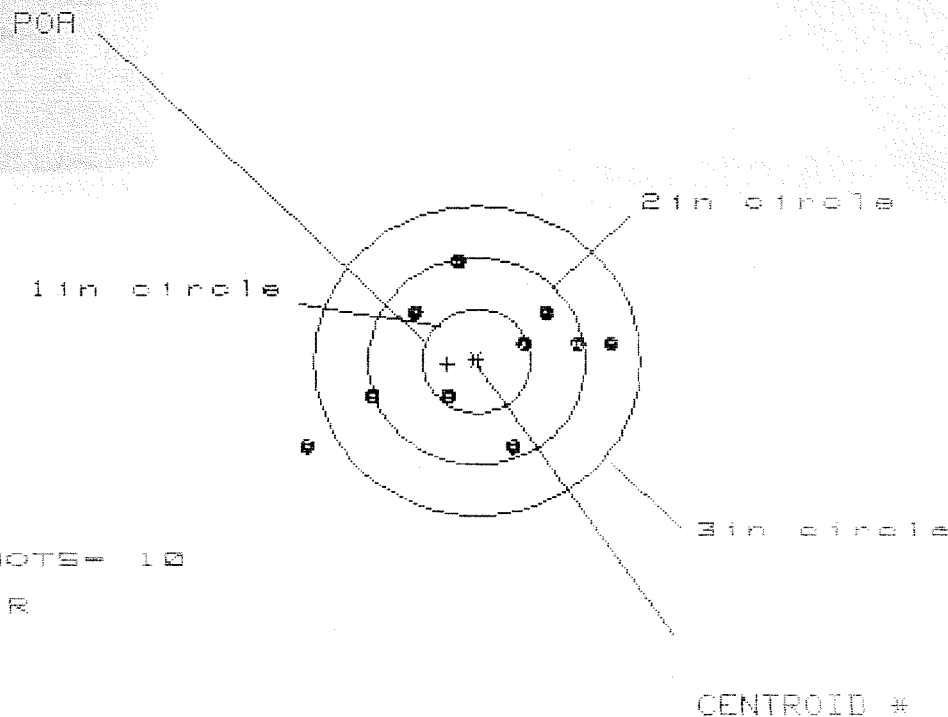
CENTROID *

PATTERN #	4		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.357	.800	.646
MINIMUM X	-1.388	-1.238	-.960
MAXIMUM Y	.999	.935	.956
MINIMUM Y	-.764	-.828	-.808
CENTROID X	.403	.253	.407
CENTROID Y	.120	.184	.164
POA TO CENTROID in.	.421	.312	.439
MIN RADIUS	.622	.621	.611
MEAN RADIUS	.984	.929	.872
MAX RADIUS	1.473	1.248	1.133
HORIZONTAL SPREAD	2.746	2.038	1.606
VERTICAL SPREAD	1.763	1.763	1.763
EXTREME SPREAD	2.859	2.198	2.198
NUMBER IN ONE INCH CIRCLE =		0	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		10	

15 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06587709

CENTERFIRE PATTERNS # 5



OF SHOTS = 10

IN CIR

1in = 2

2in = 7

3in = 9

HS = 2.724

VS = 1.845

GS = 2.888

PATTERN #	5
SHOTS (BEST OF)	10
MAXIMUM X	1.192
MINIMUM X	-1.542
MAXIMUM Y	.978
MINIMUM Y	-.867
CENTROID X	.268
CENTROID Y	.028
POA TO CENTROID in.	.269
MIN RADIUS	.450
MEAN RADIUS	.925
MAX RADIUS	1.738
HORIZONTAL SPREAD	2.734
VERTICAL SPREAD	1.845
EXTREME SPREAD	2.888
NUMBER IN ONE INCH CIRCLE =	2
NUMBER IN TWO INCH CIRCLE =	7
NUMBER IN THREE INCH CIRCLE =	9