

C6636087

MODEL 700™ M24

Model **SMS**™

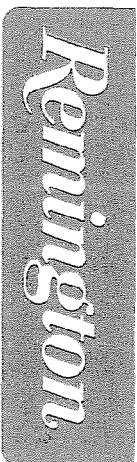
Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



Remington[®] **DUPONT**
REG. U.S. PAT. & TM. OFF.

MODEL 700TM M24

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

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

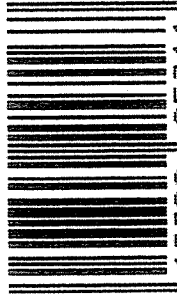
SERIAL NO. C6636087	ORDER NO. 5716
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20



5716 C6636087

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6636087

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	4 8 91		RW
600	Proof	4 8 91		RW
607	Check Headspace	4 8 91		RW
610	Dis-assemble Gun	4 8 91		RW
612	Magnaflux Barrel Action	APR 9 1991		KR
	Magnaflux Bolt	APR 9 1991		CC
615	Rollmark Caliber	APR 9 1991		GL
617	Drill and Tap Sight Holes	APR 19 1991		FB
618	Polish Barrel	APR 19 1991		WB
620	Apply Coatings (Barrel Action)		5-10-91	JA
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly		5/10/91	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/10/91	RW
	C) Inspect Ejector Hole for Chamfer		5/10/91	RW
	D) Oil Firing Pin Ass'y		5/10/91	RW
	E) Adjust Trigger Pull to Min Setting and Stake		5/24/91	RL

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	6	5			5/25/91	JH
	G) Safety Off Force	4	4	4			5/25/91	JH
	H) Trigger Pull Test & Retainability						5/24/91	JH
	I) Firing Pin Indent	.0225	.0225	.0225			5/25/91	JH
	J) Assemble Stock						5/25/91	RW
	K) Assemble Swivel Studs						6-1-91	D/H
	L) Attach Front and Rear Sight Assemblies						5/25/91	RW
	M) Iron Sight Alignment						5/25/91	RW
	N) Detach Front & Rear Sights & place in numbered container						5/25/91	RW
	O) Attach Scope to Rifle						5/25/91	RW
	P) Detach & Attach Scope 20 Times						5/25/91	RW
640	Gallery Target & Test						5-29-91	DH
	A) Time						5-29-91	DH
	B) Malfunctions						5-29-91	DH
	C) Pierced Primers						5-29-91	DH
	D) Optical Clarity of Scope						5-29-91	DH
645	Inspect for Live Ammo						5-29-91	DH
655	Final Inspection						6-1-91	D/H
	A) Headspace							
	B) Trigger Pull	2.43	2.37	2.46	2.41	2.44	6/1/91	JH
	C) Function						6-1-91	D/H
660	Pack						6-20-91	D/H

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6636087

DATE 5/24/91

TESTER JL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.43	2.41	2.40	2.43	MIN. SETTING,
PULL #2	2.40	2.35	2.38	2.37	NO AVG. OF 5
PULL #3	2.40	2.31	2.41	2.46	READINGS ACCEPT-
PULL #4	2.36	2.22	2.44	2.41	ABLE LESS THAN 2#
PULL #5	2.34	2.47	2.44	2.44	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.58	3.35		
PULL #2	3.33	3.32		
PULL #3	3.26	3.35		
PULL #4	3.33	3.42		
PULL #5	3.24	3.33		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.29	4.37		4.40
PULL #2	4.30	4.40		4.43
PULL #3	4.33	4.35		4.42
PULL #4	4.34	4.27		4.44
PULL #5	4.39	4.34		4.38
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C5636887
29 May 1991

CENTROIDAL DISTANCES

0 TO	1	.432903
1 TO	2	.525513
1 TO	3	.595262
1 TO	4	.377955
1 TO	5	.930658

1
485 (----POI

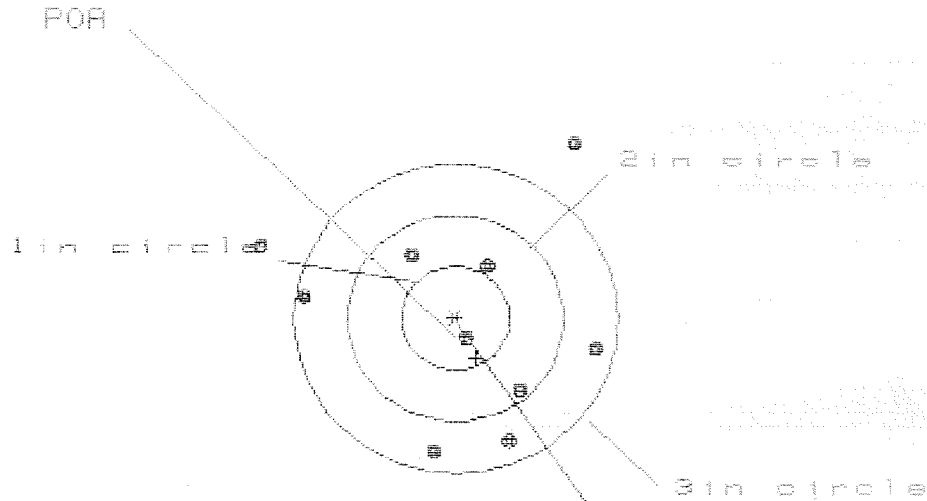
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1014
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0176
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .102916

THE AMR FOR THIS RIFLE IS: .9046

29 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08636087

CENTERFIRE PATTERNS # 1



OF SHOTS = 10

IN CIR

1in = 1

2in = 4

3in = 8

HS = 3.069

VS = 3.062

GS = 3.328

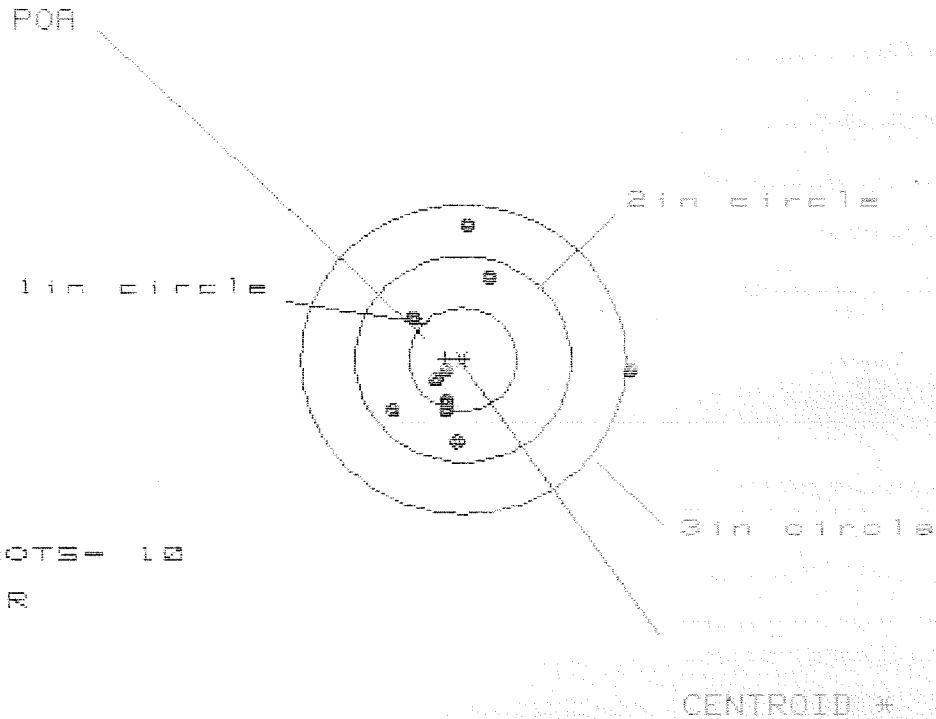
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.312	1.432	1.227
MINIMUM X	-1.757	-1.637	-1.481
MAXIMUM Y	1.726	.927	.961
MINIMUM Y	-1.336	-1.144	-1.028
CENTROID X	-.194	-.314	-.109
CENTROID Y	.387	.195	.080
POR TO CENTROID in.	.433	.370	.135
MIN RADIUS	.198	.230	.145
MEAN RADIUS	1.179	1.083	.940
MAX RADIUS	2.035	1.881	1.564
HORIZONTAL SPREAD	3.069	3.069	2.708
VERTICAL SPREAD	3.062	2.071	1.989
EXTREME SPREAD	3.328	3.249	2.759
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	8		

29 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C86360B7

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 8

3 in = 9

HS= 2.125

VS= 2.087

GS= 2.180

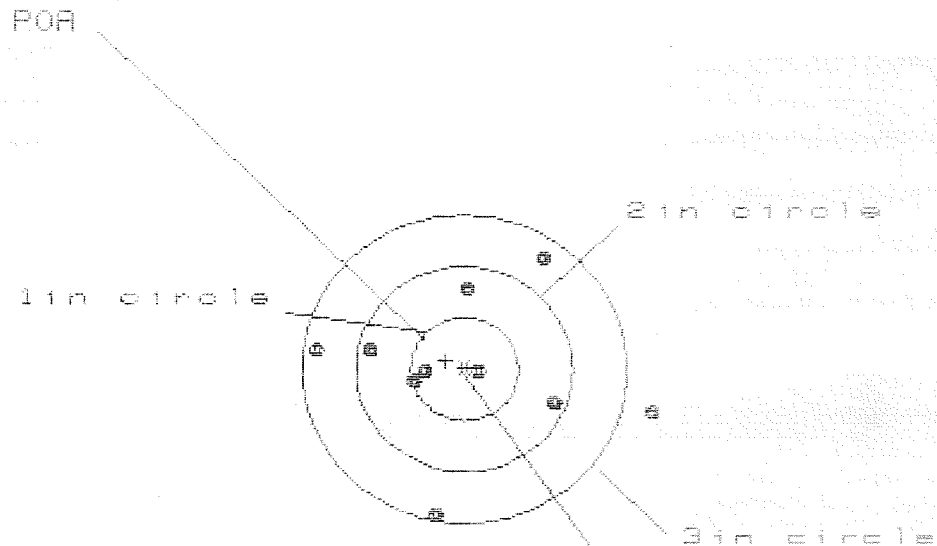
PATTERN # : 2

SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.511	.411	.437
MINIMUM X	:	-.614	-.446	-.420
MAXIMUM Y	:	1.331	1.324	.958
MINIMUM Y	:	-.756	-.763	-.597
CENTROID X	:	.156	-.012	-.038
CENTROID Y	:	-.005	.002	-.164
POA TO CENTROID in.	:	.156	.012	.160
MIN RADIUS	:	.191	.115	.030
MEAN RADIUS	:	.736	.612	.454
MAX RADIUS	:	1.512	1.340	1.053
HORIZONTAL SPREAD	:	2.125	.857	.857
VERTICAL SPREAD	:	2.087	2.087	1.555
EXTREME SPREAD	:	2.180	2.089	1.590
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		9	

29 May 1991

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CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 6

3 in = 9

HS= 3.089

VS= 2.464

GS= 3.148

CENTROID *

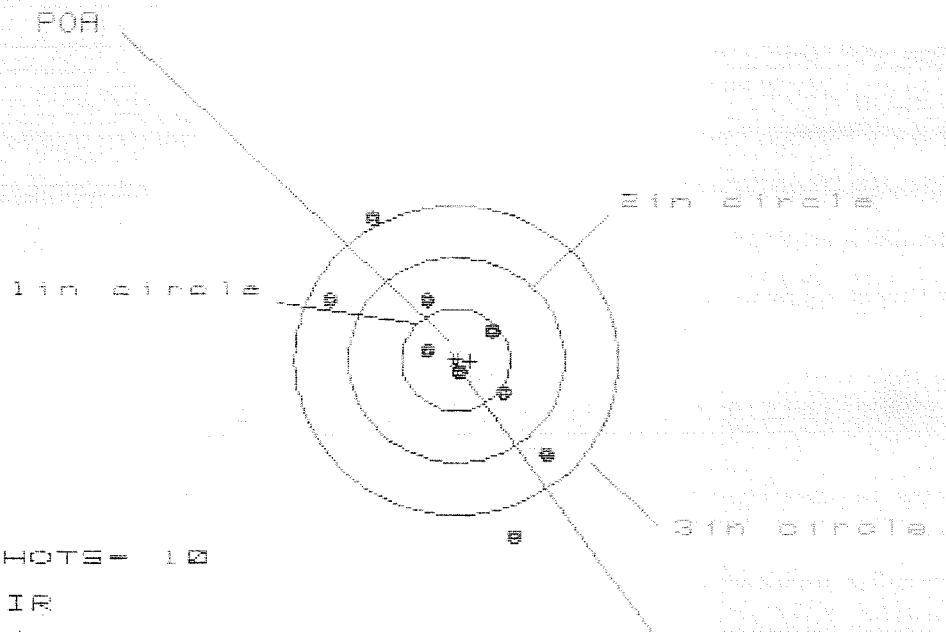
PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.701	1.022	1.009
MINIMUM X	:	-1.388	-1.199	-1.212
MAXIMUM Y	:	1.058	1.015	.834
MINIMUM Y	:	-1.406	-1.449	-1.549
CENTROID X	:	.170	-.019	-.086
CENTROID Y	:	-.084	-.041	.148
POA TO CENTROID in.	:	.189	.045	.148
MIN RADIUS	:	.131	.246	.370
MEAN RADIUS	:	.945	.828	.758
MAX RADIUS	:	1.744	1.452	1.212
HORIZONTAL SPREAD	:	3.089	2.221	2.221
VERTICAL SPREAD	:	2.464	2.464	1.393
EXTREME SPREAD	:	3.148	2.649	2.288
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

29 May 1991

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CENTERFIRE PATTERNS

4



OF SHOTS= 10

IN CIR

1in = 4

2in = 6

3in = 8

HS= 1.977

VS= 3.102

GS= 3.334

CENTROID #

PATTERN #	:	24		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.839	.893	.807
MINIMUM X	:	-1.138	-1.084	-1.170
MAXIMUM Y	:	1.340	1.144	.526
MINIMUM Y	:	-1.762	-1.129	-1.986
CENTROID X	:	-.133	-.187	-.101
CENTROID Y	:	.014	.210	.067
POA TO CENTROID in.	:	.134	.281	.122
MIN RADIUS	:	.115	.231	.170
MEAN RADIUS	:	.826	.705	.608
MAX RADIUS	:	1.828	1.439	1.282
HORIZONTAL SPREAD	:	1.977	1.977	1.977
VERTICAL SPREAD	:	3.102	2.273	1.512
EXTREME SPREAD	:	3.334	2.766	2.489
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		8	

29 May 1991

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CENTERFIRE PATTERNS

5

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS = 10

IN CIR

1 in = 3

2 in = 7

3 in = 9

HS = 2.230

VS = 1.981

GS = 2.891

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.422	.998	.917
MINIMUM X	:	-.808	-.650	-.668
MAXIMUM Y	:	.988	.893	.798
MINIMUM Y	:	-.993	-1.088	-.977
CENTROID X	:	.508	.350	.431
CENTROID Y	:	-.224	-.129	-.240
POA TO CENTROID in.	:	.555	.373	.494
MIN RADIUS	:	.239	.1231	.301
MEAN RADIUS	:	.837	.712	.676
MAX RADIUS	:	1.658	1.132	1.053
HORIZONTAL SPREAD	:	2.230	1.648	1.585
VERTICAL SPREAD	:	1.981	1.981	1.775
EXTREME SPREAD	:	2.891	2.079	1.776
NUMBER IN ONE INCH CIRCLE =			3	
NUMBER IN TWO INCH CIRCLE =			7	
NUMBER IN THREE INCH CIRCLE =			9	