

C6636065

MODEL 700TM M24

Model **SMS** TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

Remington

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

MODEL 700™ H24

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. C6636065	ORDER NO. 5716
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5716 C6636065

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6636065

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	LC
615	Rollmark Caliber		APR 9 1991	GL
617	Drill and Tap Sight Holes		APR 19 1991	LB
618	Polish Barrel		APR 9 1991	WB
620	Apply Coatings (Barrel Action)		5-10-91	DA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		5/14/91	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/14/91	RW
	C) Inspect Ejector Hole for Chamfer		5/14/91	RW
	D) Oil Firing Pin Ass'y		5/14/91	RW
	E) Adjust Trigger Pull to Min Setting and Stake		5/29/91	GM

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			5/30/91	JK
	G) Safety Off Force	3	3	3			5/30/91	JK
	H) Trigger Pull Test & Retainability						5/29/91	JK
	I) Firing Pin Indent	.020	.0215	.021			5/30/91	JK
	J) Assemble Stock						5/30/91	RW
	K) Assemble Swivel Studs						6-1-91	D/H
	L) Attach Front and Rear Sight Assemblies						5/30/91	RW
	M) Iron Sight Alignment						5/30/91	RW
	N) Detach Front & Rear Sights & place in numbered container						5/30/91	RW
	O) Attach Scope to Rifle						5/30/91	RW
	P) Detach & Attach Scope 20 Times						5/30/91	RW
640	Gallery Target & Test						5-31-91	AF
	A) Time						"	AF
	B) Malfunctions						"	AF
	C) Pierced Primers						"	AF
	D) Optical Clarity of Scope						"	AF
645	Inspect for Live Ammo						5-31-91	AF
655	Final Inspection							
	A) Headspace						6-1-91	D/H
	B) Trigger Pull	2.24	2.20	2.30	2.20	2.22	6/1/91	JK
	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. C6636065

DATE 5/29/91

TESTER JU

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.53	2.23	2.30	2.24	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.63	2.49	2.33	2.20	
PULL #3	2.58	2.21	2.38	2.30	
PULL #4	2.51	2.56	2.41	2.20	
PULL #5	2.44	2.22	2.40	2.22	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.69	3.38		
PULL #2	3.62	3.46		
PULL #3	3.60	3.56		
PULL #4	3.65	3.45		
PULL #5	3.23	3.66		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.48	4.29		4.51
PULL #2	4.58	4.22		4.25
PULL #3	4.35	4.26		4.34
PULL #4	4.32	4.28		4.22
PULL #5	4.60	4.24		4.26
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6636065
1 Jun 1991

CENTROIDAL DISTANCES

0 TO	1	.559201
1 TO	2	.534315
1 TO	3	.868936
1 TO	4	1.02472
1 TO	5	.73076

$\frac{\sigma^2}{L^2}$ <----POB

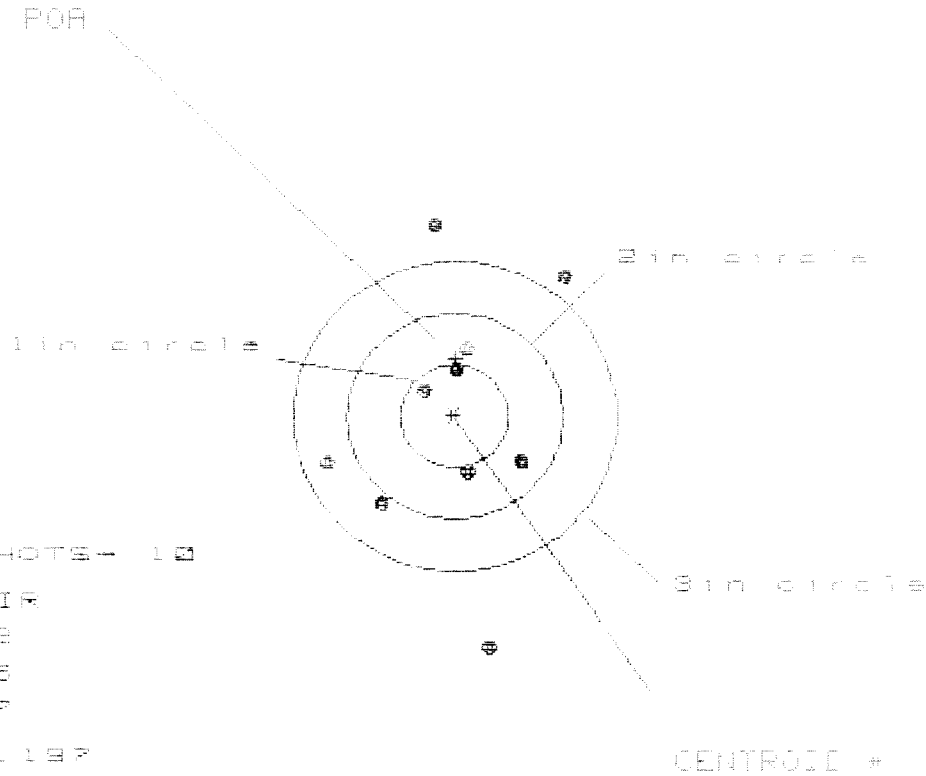
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .2224
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0172
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .223064
THE AMR FOR THIS RIFLE IS: 1.074

1 Jun 1991

FILE: \PATTERNING\CENTERFIRE_PATT\08836065

CENTERFIRE PATTERNS

1



OF SHOTS - 10

IN CIR

1 in = 2

2 in = 5

3 in = 7

HB = 2.197

VB = 4.082

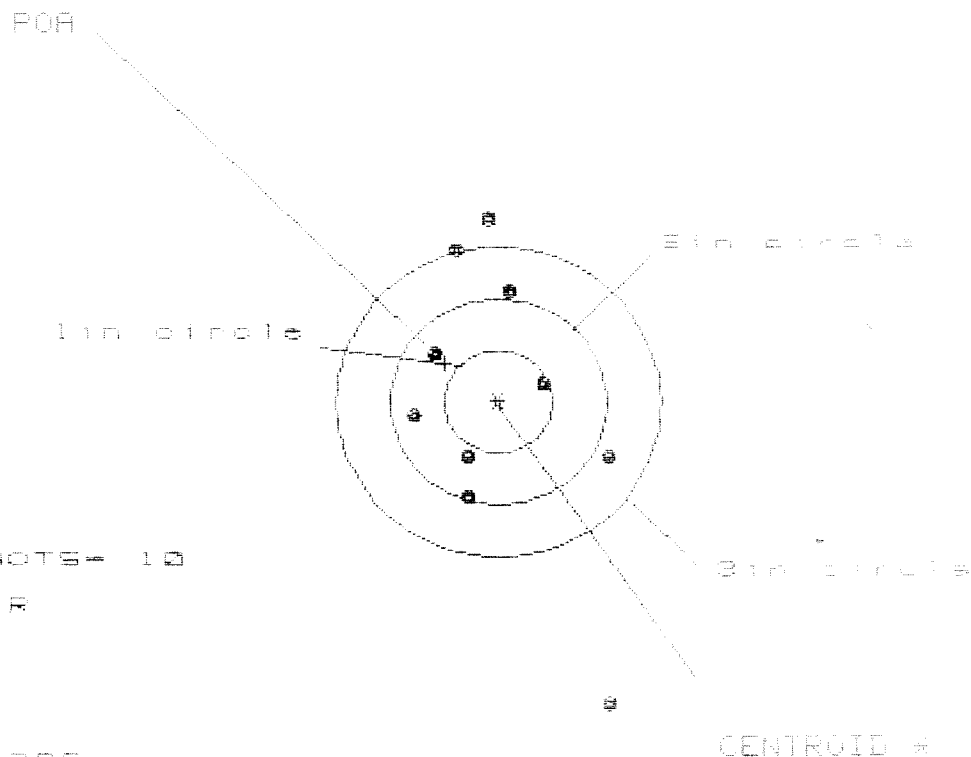
GB = 4.121

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.019	1.058	1.037
MINIMUM X	-1.170	-1.139	-1.160
MAXIMUM Y	1.047	1.599	1.339
MINIMUM Y	-2.235	-1.129	-1.930
CENTROID X	-0.015	-0.054	-0.033
CENTROID Y	-0.559	-0.311	-0.510
POA TO CENTROID in.	.559	.315	.511
MIN RADIUS	.412	.244	.364
MEAN RADIUS	1.116	.951	.875
MAX RADIUS	2.263	1.507	1.694
HORIZONTAL SPREAD	2.197	2.197	2.197
VERTICAL SPREAD	4.082	2.728	2.269
EXTREME SPREAD	4.121	2.887	2.887
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	7		

1 Jun 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C0830005

CENTERFIRE PATTERNS # 2



* OF SHOTS = 10

IN CIR

1in = 1

2in = 4

3in = 7

CS = 1.795

VS = 4.681

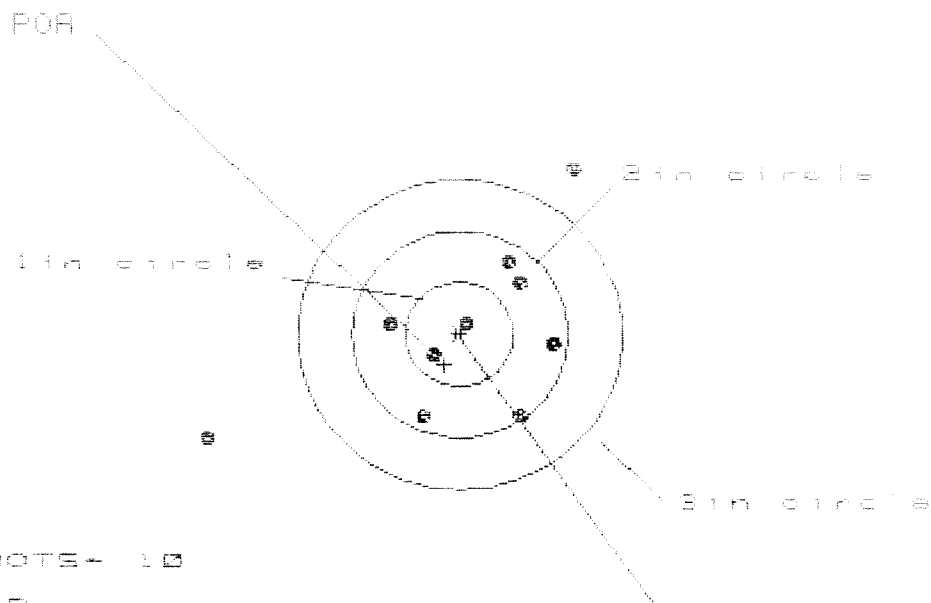
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PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.001	1.095	1.100
MINIMUM X	:	-1.796	-1.684	-1.679
MAXIMUM Y	:	1.795	1.475	1.369
MINIMUM Y	:	-2.886	-1.290	-1.106
CENTROID X	:	.487	.375	.370
CENTROID Y	:	-.376	-.056	-.240
POA TO CENTROID in.	:	.615	.379	.441
MIN RADIUS	:	.438	.509	.507
MEAN RADIUS	:	1.217	.980	.902
MAX RADIUS	:	3.054	1.475	1.405
HORIZONTAL SPREAD	:	1.796	1.779	1.779
VERTICAL SPREAD	:	4.681	2.765	2.475
EXTREME SPREAD	:	4.802	2.773	2.480
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		7	

1 Jun 1981

FILE:/PATTERNING/CENTERFIRE PATT/08636005

CENTERFIRE PATTERNS # 3



OF SHOTS = 10

IN CIR

1 in = 2

2 in = 8

3 in = 0

HS = 3.479

VS = 2.646

GS = 4.371

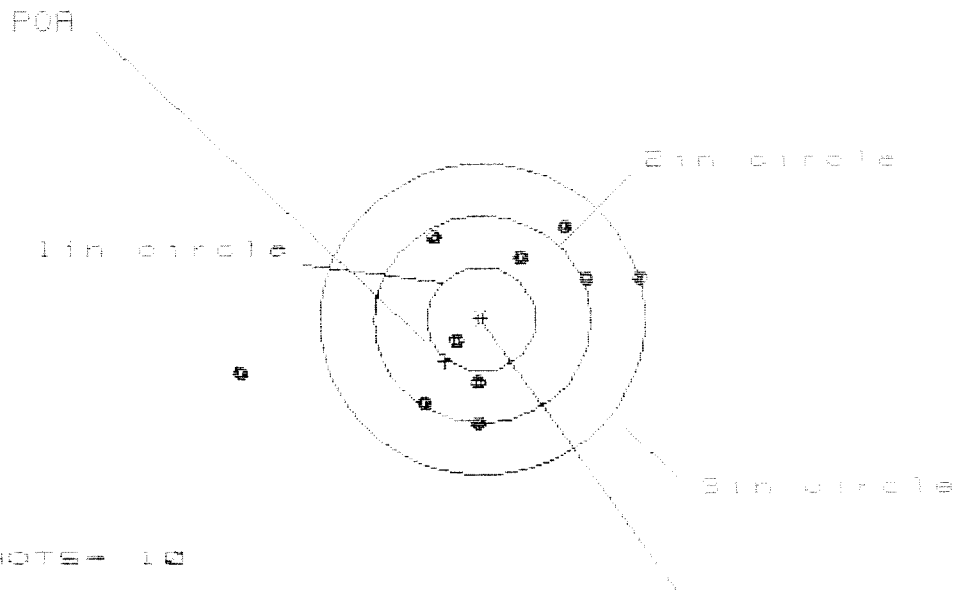
CENTROID #

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.090	.824	.694
MINIMUM X	:	-2.389	-.872	-.769
MAXIMUM Y	:	1.606	1.490	.808
MINIMUM Y	:	-1.040	-.951	-.765
CENTROID X	:	.140	.406	.303
CENTROID Y	:	.296	.412	.226
POA TO CENTROID in.	:	.328	.578	.378
MIN RADIUS	:	.132	.174	.179
MEAN RADIUS	:	.995	.798	.671
MAX RADIUS	:	2.606	1.703	.942
HORIZONTAL SPREAD	:	3.479	1.696	1.463
VERTICAL SPREAD	:	2.646	2.441	1.573
EXTREME SPREAD	:	4.371	2.853	1.789
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		0	

1 JUN 1991

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CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1in = 1

2in = 5

3in = 8

HS= 3.740

VS= 1.830

GS= 3.851

CENTROID -

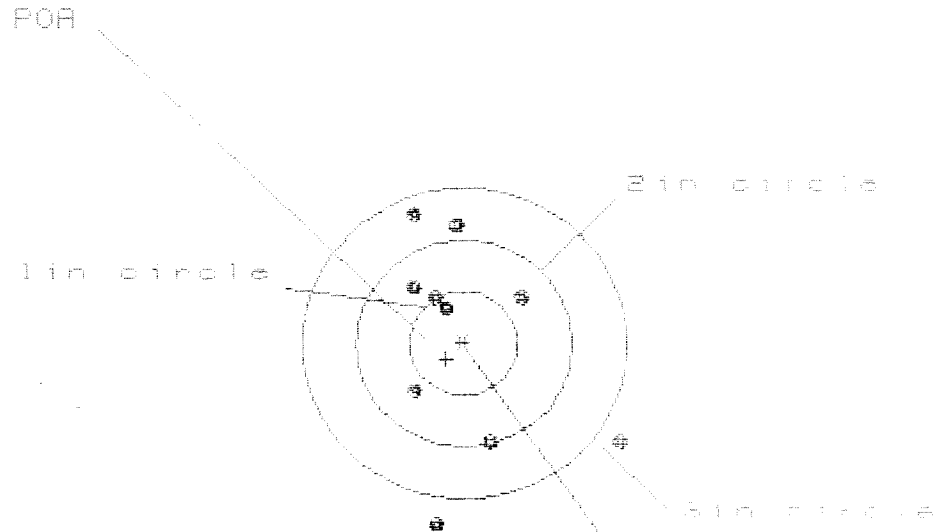
PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.492	1.242	.810
MINIMUM X	:	-2.248	-.832	-.077
MAXIMUM Y	:	.859	.798	.837
MINIMUM Y	:	-.971	-1.032	-.993
CENTROID X	:	.338	.588	.433
CENTROID Y	:	.403	.464	.425
POA TO CENTROID in.	:	.528	.749	.606
MIN RADIUS	:	.298	.529	.381
MEAN RADIUS	:	1.044	.893	.826
MAX RADIUS	:	2.313	1.280	1.101
HORIZONTAL SPREAD	:	3.740	2.074	1.490
VERTICAL SPREAD	:	1.830	1.830	1.830
EXTREME SPREAD	:	3.851	2.369	2.144
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

1 Jun 1991

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CENTERFIRE PATTERNS

5



OF SHOTS = 10

IN CIR

1in = 1

2in = 3

3in = 6

HS = 1.908

VS = 3.068

GS = 3.075

CENTROID +

PATTERN #

5

SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.413	1.383	.693
MINIMUM X	-.495	-.525	-.353
MAXIMUM Y	1.293	1.045	.948
MINIMUM Y	-1.775	-1.183	-1.331
CENTROID X	.162	.192	.028
CENTROID Y	.150	.348	.436
POA TO CENTROID IN.	.221	.397	.496
MIN RADIUS	.386	.242	.014
MEAN RADIUS	.996	.861	.657
MAX RADIUS	1.797	1.819	1.373
HORIZONTAL SPREAD	1.908	1.908	1.052
VERTICAL SPREAD	3.068	2.278	2.278
EXTREME SPREAD	3.075	2.961	2.375
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		8	