

C6611664

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

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

MODEL 700TM M24

MADE IN LILION, 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.

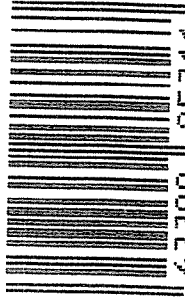
SERIAL NO. C6611664

ORDER NO. 5716



5716 C6611664

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6611664

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		3/19/91	K.S.
600	Proof		3/19/91	K.S.
607	Check Headspace		3/19/91	K.S.
610	Dis-assemble Gun		3/19/91	K.S.
612	Magnaflux Barrel Action		3/28/91	KR
	Magnaflux Bolt		"	KR
615	Rollmark Caliber		3/28/91	JS
617	Drill and Tap Sight Holes	APR	3 1991	LB
618	Polish Barrel	APR	3 1991	WB
620	Apply Coatings (Barrel Action)		4-19-91	JH
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		4/26/91	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		4/26/91	KS
	C) Inspect Ejector Hole for Chamfer		4/26/91	KS
	D) Oil Firing Pin Ass'y		4/26/91	KS
	E) Adjust Trigger Pull to Min Setting and Stake		4/29/91	JH

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	8	8	8			4/30/91	92
	G) Safety Off Force	4	4	4			4/30/91	92
	H) Trigger Pull Test & Retainability						4/29/91	92
	I) Firing Pin Indent	1022	1022	1022			4/30/91	92
	J) Assemble Stock						4/30/91	KS
	K) Assemble Swivel Studs						5-13-91	AC
	L) Attach Front and Rear Sight Assemblies						4/30/91	KS
	M) Iron Sight Alignment						4/30/91	KS
	N) Detach Front & Rear Sights & place in numbered container						4/30/91	KS
	O) Attach Scope to Rifle						4/30/91	KS
	P) Detach & Attach Scope 20 Times						4/30/91	KS
640	Gallery Target & Test						5-1-91	DH
	A) Time						5-1-91	DH
	B) Malfunctions						5-1-91	DH
	C) Pierced Primers						5-1-91	DH
	D) Optical Clarity of Scope						5-1-91	DH
645	Inspect for Live Ammo						5-1-91	DH
655	Final Inspection							
	A) Headspace						5-13-91	AC
	B) Trigger Pull	2.34	2.30	2.34	2.36	2.25	5/1/91	92
	C) Function						5-13-91	AC
660	Pack						6-19-91	N

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS
2.50# ± .50#
3.00# ± .75#
4.00# ± 1.00#

SERIAL NO. C-66-11664
DATE 4/29/91
TESTER [Signature]

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.52	2.30	2.37	2.34	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.49	2.30	2.37	2.30	
PULL #3	2.42	2.26	2.40	2.34	
PULL #4	2.55	2.23	2.38	2.36	
PULL #5	2.45	2.36	2.41	2.25	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.33	3.31		
PULL #2	3.20	3.37		
PULL #3	3.39	3.39		
PULL #4	3.39	3.39		
PULL #5	3.41	3.20		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.22	4.29		4.27
PULL #2	4.28	4.29		4.28
PULL #3	4.31	4.19		4.24
PULL #4	4.28	4.29		4.25
PULL #5	4.22	4.29		4.26
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6611664
1 May 1991

CENTROIDAL DISTANCES

0 TO	1	.745399
1 TO	2	.720209
1 TO	3	.126732
1 TO	4	.236932
1 TO	5	.678357

+18 <----POA

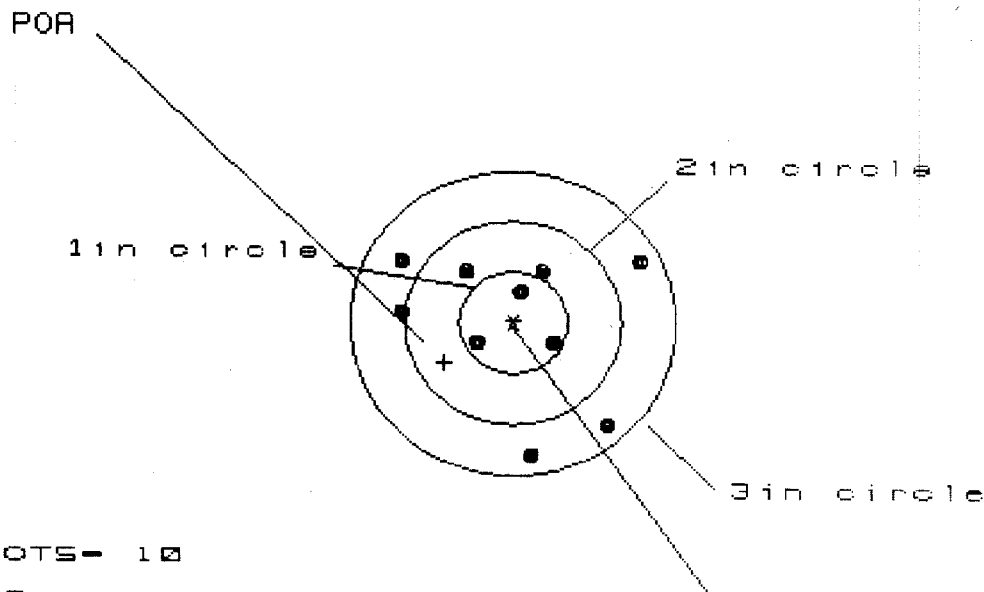
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .4422
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1596
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .47012

THE AMR FOR THIS RIFLE IS: .8836

1 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8611664

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 3

2in = 5

3in = 10

HS= 2.239

VS= 1.884

GS= 2.533

PATTERN #	:	1	2	3
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.156	1.253	.626
MINIMUM X	:	-1.083	-.986	-.829
MAXIMUM Y	:	.642	.531	.588
MINIMUM Y	:	-1.242	-1.353	-1.296
CENTROID X	:	.634	.537	.380
CENTROID Y	:	.392	.503	.447
POA TO CENTROID in.	:	.745	.735	.586
MIN RADIUS	:	.293	.224	.233
MEAN RADIUS	:	.850	.777	.705
MAX RADIUS	:	1.324	1.381	1.367
HORIZONTAL SPREAD	:	2.239	2.239	1.455
VERTICAL SPREAD	:	1.884	1.884	1.884
EXTREME SPREAD	:	2.533	2.277	2.255
NUMBER IN ONE INCH CIRCLE	=	3	5	10
NUMBER IN TWO INCH CIRCLE	=	5	10	10
NUMBER IN THREE INCH CIRCLE	=	10	10	10

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CENTERFIRE PATTERNS # 2

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS- 10

IN CIR

1in = 1

2in = 3

3in = 6

HS= 2.865

VS= 3.013

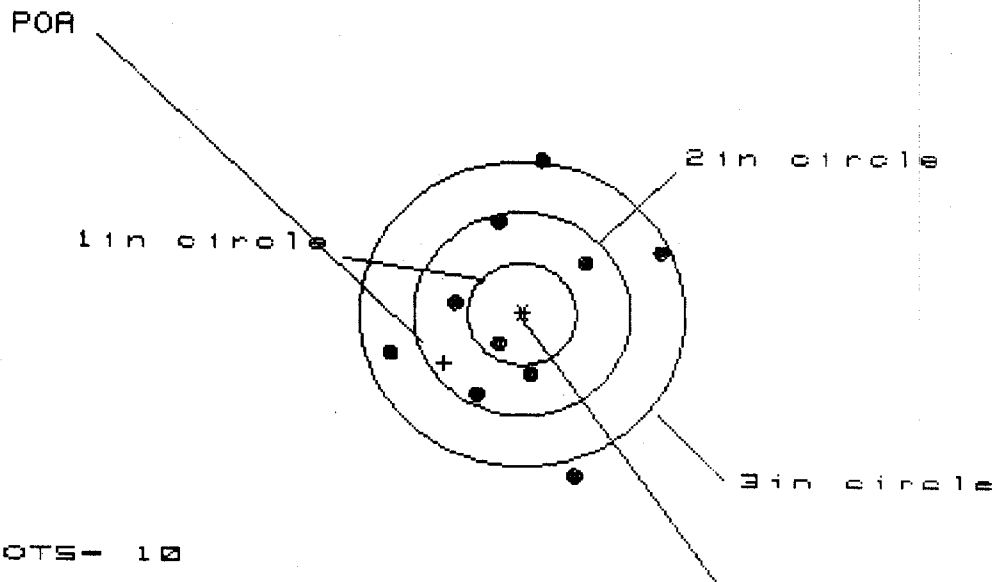
GS= 3.203

PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.526	1.378	1.514
MINIMUM X	:	-1.339	-1.421	-1.285
MAXIMUM Y	:	1.503	1.335	1.199
MINIMUM Y	:	-1.510	-1.093	-1.025
CENTROID X	:	.199	.347	.211
CENTROID Y	:	-.182	-.014	.122
POA TO CENTROID in.	:	.270	.348	.244
MIN RADIUS	:	.176	.247	.193
MEAN RADIUS	:	1.181	1.087	1.017
MAX RADIUS	:	2.018	1.542	1.584
HORIZONTAL SPREAD	:	2.865	2.799	2.799
VERTICAL SPREAD	:	3.013	2.428	2.224
EXTREME SPREAD	:	3.203	2.890	2.878
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	3		
NUMBER IN THREE INCH CIRCLE	=	6		

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CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 1

2in = 6

3in = 8

HS= 2.431

VS= 3.079

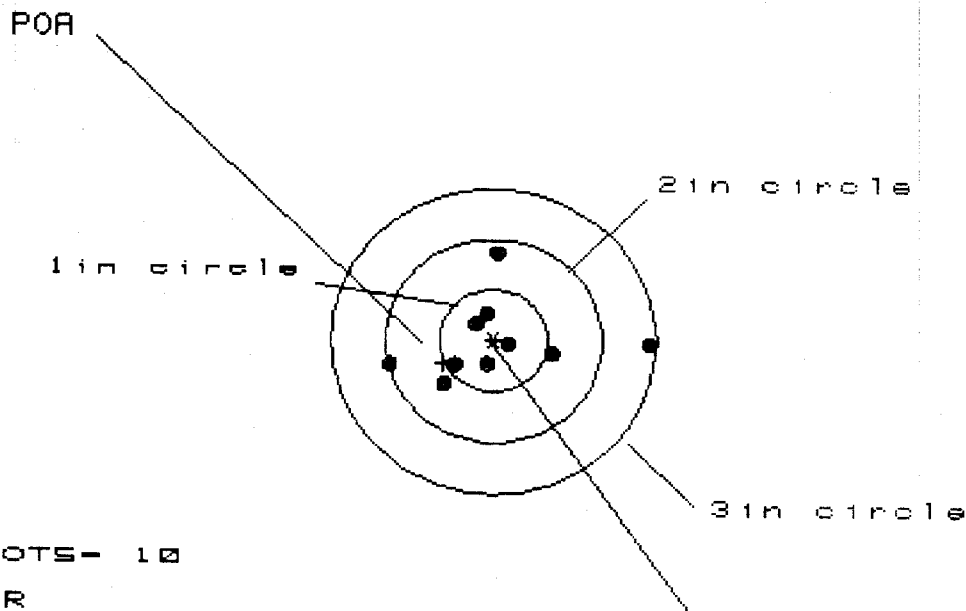
GS= 3.095

PATTERN #	:			
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.253	1.309	1.340
MINIMUM X	:	-1.178	-1.122	-1.091
MAXIMUM Y	:	1.529	1.357	.876
MINIMUM Y	:	-1.550	-.938	-.769
CENTROID X	:	.719	.663	.632
CENTROID Y	:	.486	.658	.489
POA TO CENTROID in.	:	.868	.934	.799
MIN RADIUS	:	.422	.524	.376
MEAN RADIUS	:	.999	.927	.838
MAX RADIUS	:	1.631	1.379	1.454
HORIZONTAL SPREAD	:	2.431	2.431	2.431
VERTICAL SPREAD	:	3.079	2.295	1.645
EXTREME SPREAD	:	3.095	2.599	2.599
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		8	

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CENTERFIRE PATTERNS # 4



* OF SHOTS- 10

* IN CIR

1in = 5

2in = 8

3in = 10

HS= 2.390

VS= 1.269

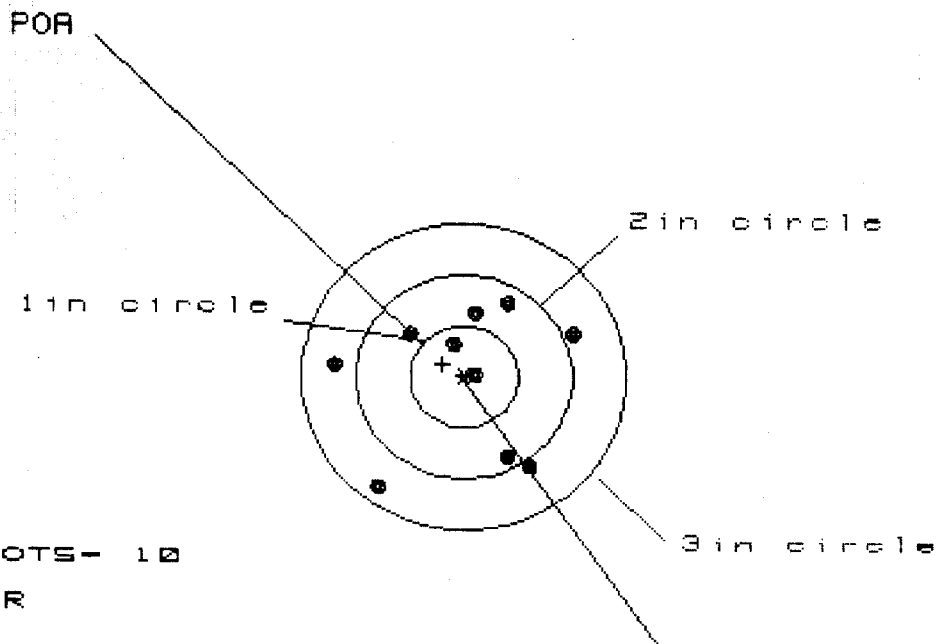
GS= 2.400

PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.404	.711	.607
MINIMUM X	:	-.986	-.830	-.446
MAXIMUM Y	:	.836	.835	.807
MINIMUM Y	:	-.433	-.434	-.462
CENTROID X	:	.463	.307	.411
CENTROID Y	:	.228	.229	.257
POA TO CENTROID in.	:	.516	.383	.485
MIN RADIUS	:	.180	.192	.202
MEAN RADIUS	:	.578	.473	.417
MAX RADIUS	:	1.404	.859	.808
HORIZONTAL SPREAD	:	2.390	1.541	1.053
VERTICAL SPREAD	:	1.269	1.269	1.269
EXTREME SPREAD	:	2.400	1.545	1.359
NUMBER IN ONE INCH CIRCLE	=		5	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		10	

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CENTERFIRE PATTERNS # 5



* OF SHOTS - 10

* IN CIR

1in = 2

2in = 6

3in = 10

HS = 2.174

VS = 1.838

GS = 2.358

PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.006	.917	.760
MINIMUM X	:	-1.168	-1.257	-.774
MAXIMUM Y	:	.749	.628	.627
MINIMUM Y	:	-1.089	-.971	-.972
CENTROID X	:	.196	.285	.442
CENTROID Y	:	-.126	-.005	-.004
POA TO CENTROID in.	:	.233	.285	.442
MIN RADIUS	:	.086	.109	.195
MEAN RADIUS	:	.810	.727	.669
MAX RADIUS	:	1.353	1.257	1.023
HORIZONTAL SPREAD	:	2.174	2.174	1.534
VERTICAL SPREAD	:	1.838	1.599	1.599
EXTREME SPREAD	:	2.358	2.196	1.717
NUMBER IN ONE INCH CIRCLE	=	2		
NUMBER IN TWO INCH CIRCLE	=	6		
NUMBER IN THREE INCH CIRCLE	=	10		