

C6587529

MODEL 700TM M24

Model **SMS** TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

Remington® REG. U.S. PAT. & TM. OFF.

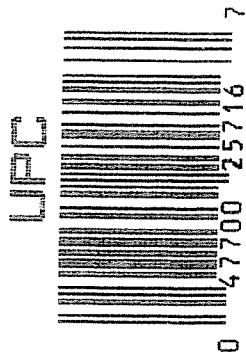
MODEL 700™ H24

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

DU PONT

SERIAL NO. C6587529	ORDER NO. 5716
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MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.



CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6587529

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	1023	90	RW
600	Proof	1023	90	RW
607	Check Headspace	1023	90	RW
610	Dis-assemble Gun	1023	90	RW
612	Magnaflux Barrel Action		10/24/90	KP
	Magnaflux Bolt		10/24/90	KP
615	Rollmark Caliber		10/24/90	GL
617	Drill and Tap Sight Holes		10/24/90	LB
618	Polish Barrel RB		10/26/90	WB
620	Apply Coatings (Barrel Action)		11-7-90	TH
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		11/12/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11/12/90	RW
	C) Inspect Ejector Hole for Chamfer		11/12/90	RW
	D) Oil Firing Pin Ass'y		11/12/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		11/19/90	WB

op. #	OP. NAME	READINGS			DATE	INIT		
625 cont.	F) Safety On Force	3 1/2	3 1/2	3 1/2	11/21/90	WB		
	G) Safety Off Force	2	2	2	11/21/90	WB		
	H) Trigger Pull Test & Retainability				11/19/90	WB		
	I) Firing Pin Indent	.022	.0225	.0225	11/21/90	WB		
	J) Assemble Stock				12/10/90	RW		
	K) Assemble Swivel Studs				12-12-90	QD		
	L) Attach Front and Rear Sight Assemblies				12/10/90	RW		
	M) Iron Sight Alignment				12/10/90	RW		
	N) Detach Front & Rear Sights & place in numbered container				12/10/90	RW		
	O) Attach Scope to Rifle				12/10/90	RW		
	P) Detach & Attach Scope 20 Times				12/10/90	RW		
640	Gallery Target & Test				12/10/90	NF		
	A) Time				"	NF		
	B) Malfunctions				"	NF		
	C) Pierced Primers				"	NF		
	D) Optical Clarity of Scope				"	NF		
645	Inspect for Live Ammo				12/10/90	NF		
655	Final Inspection							
	A) Headspace				12-12-90	QD		
	B) Trigger Pull	2.61	259	260	261	278	12-12-90	QD
	C) Function						12-12-90	QD
660	Pack						12/14/90	NF

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6587529

DATE 11/19/90

TESTER WB

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.36	2.45	2.41	261	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.41	2.38	2.46	259	
PULL #3	2.49	2.36	2.49	260	
PULL #4	2.34	2.31	2.52	261	
PULL #5	2.32	2.33	2.49	278	
TOTAL	11.92	11.83	12.37		
AVG.	2.38	2.36	2.47		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.15	3.18		
PULL #2	3.30	3.10		
PULL #3	3.22	3.12		
PULL #4	3.17	3.14		
PULL #5	3.18	3.15		
TOTAL	16.02	15.69		
AVG.	3.20	3.14		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.17	4.11		4.10
PULL #2	4.16	4.08		4.14
PULL #3	4.15	4.07		4.13
PULL #4	4.14	4.10		4.14
PULL #5	4.11	4.08		4.15
TOTAL	20.73	20.44		20.66
AVG.	4.14	4.09		4.13

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6587529
11 Dec 1990

CENTROIDAL DISTANCES.

0 TO	1	.186078
1 TO	2	.0373363
1 TO	3	.0724707
1 TO	4	.237918
1 TO	5	.108453

3 <----POA

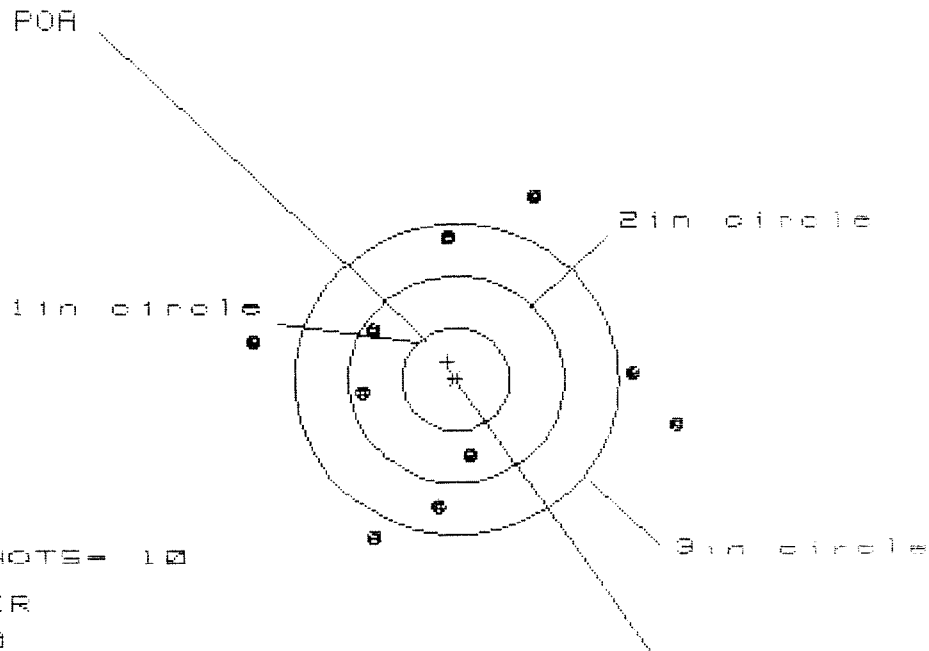
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .042
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1232
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .130162

THE AMR FOR THIS RIFLE IS: 1.113

11 Dec 1998

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CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 0

2in = 3

3in = 5

HS= 3.884

VS= 3.291

GS= 3.945

CENTROID #

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	2.029	1.848	1.969
MINIMUM X	:	-1.835	-1.610	-1.489
MAXIMUM Y	:	1.780	1.733	1.513
MINIMUM Y	:	-1.511	-1.558	-1.342
CENTROID X	:	.071	-.154	-.275
CENTROID Y	:	-.172	-.125	-.341
POA TO CENTROID in.	:	.186	.198	.438
MIN RADIUS	:	.744	.681	.537
MEAN RADIUS	:	1.435	1.330	1.207
MAX RADIUS	:	2.073	1.983	1.981
HORIZONTAL SPREAD	:	3.864	3.458	3.458
VERTICAL SPREAD	:	3.291	3.291	2.855
EXTREME SPREAD	:	3.945	3.611	3.472
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		5	

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CENTERFIRE PATTERNS

2

POA

1in circle

2in circle

3in circle

CENTROID #

OF SHOTS = 10

IN CIR

1in = 1

2in = 4

3in = 7

HS = 2.756

VS = 2.395

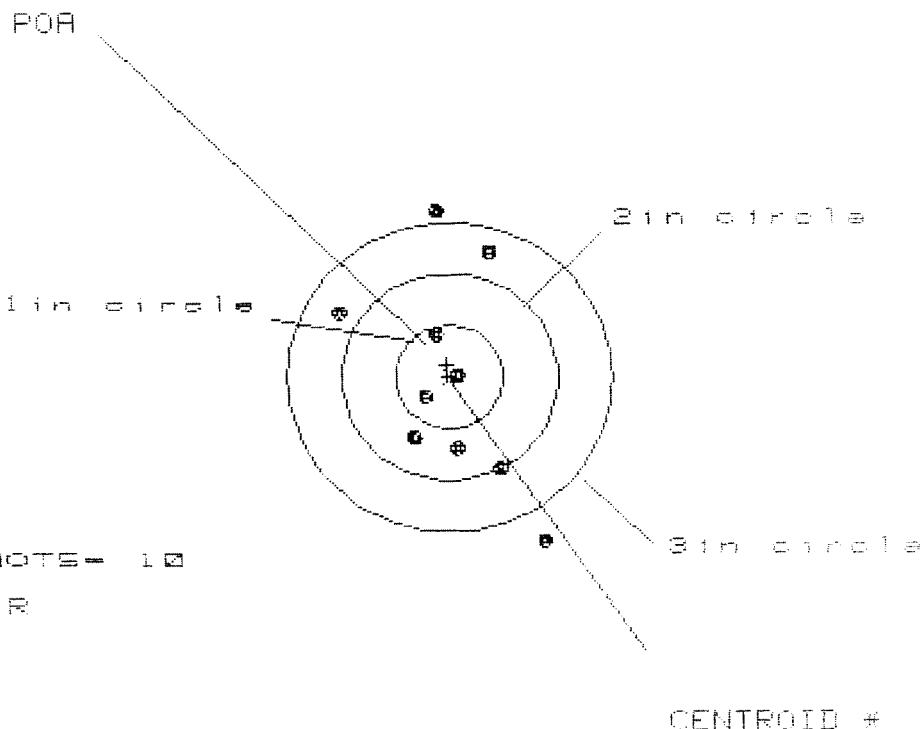
GS = 3.426

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.359	1.236	.946
MINIMUM X	:	-1.397	-1.520	-1.365
MAXIMUM Y	:	1.043	.893	1.003
MINIMUM Y	:	-1.352	-1.196	-1.086
CENTROID X	:	.106	.229	.074
CENTROID Y	:	-.159	-.009	-.119
POA TO CENTROID in.	:	.192	.229	.141
MIN RADIUS	:	.496	.446	.547
MEAN RADIUS	:	1.121	1.039	.974
MAX RADIUS	:	1.745	1.683	1.496
HORIZONTAL SPREAD	:	2.756	2.756	2.311
VERTICAL SPREAD	:	2.395	2.089	2.089
EXTREME SPREAD	:	3.426	3.188	2.744
NUMBER IN ONE INCH CIRCLE =			1	
NUMBER IN TWO INCH CIRCLE =			4	
NUMBER IN THREE INCH CIRCLE =			7	

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CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 3

2in = 5

3in = 8

HS= 1.956

VS= 3.207

GS= 3.369

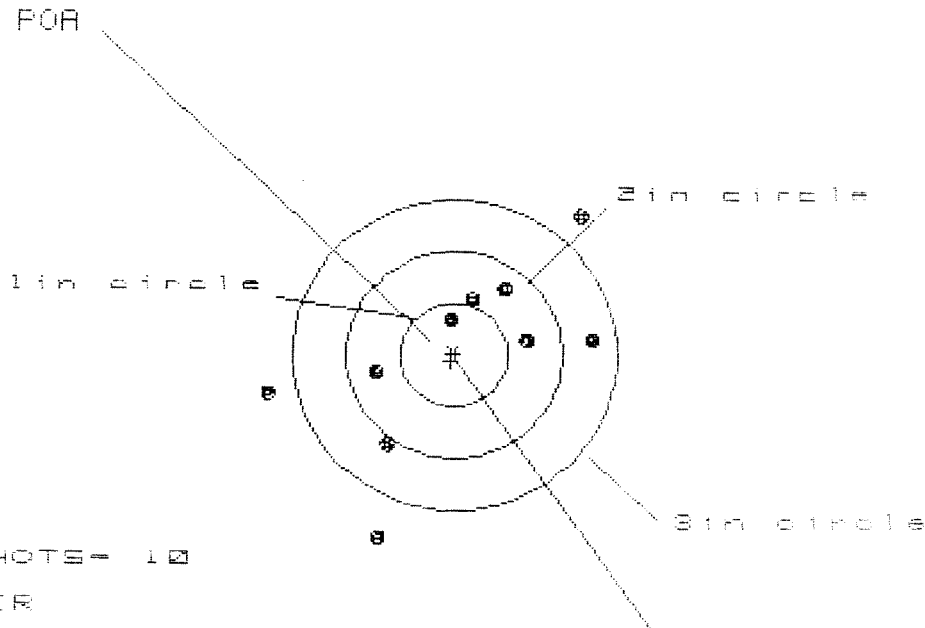
PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.916	.586	.585
MINIMUM X	:	-1.040	-.938	-.939
MAXIMUM Y	:	1.661	1.489	1.204
MINIMUM Y	:	-1.546	-1.056	-.870
CENTROID X	:	.025	-.077	-.075
CENTROID Y	:	-.116	.056	-.130
POA TO CENTROID in.	:	.118	.095	.150
MIN RADIUS	:	.054	.244	.151
MEAN RADIUS	:	.914	.827	.704
MAX RADIUS	:	1.797	1.489	1.290
HORIZONTAL SPREAD	:	1.956	1.524	1.524
VERTICAL SPREAD	:	3.207	2.545	2.074
EXTREME SPREAD	:	3.369	2.615	2.112
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

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CENTERFIRE PATTERNS

4



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 5

3 in = 7

HS = 3.007

VS = 3.146

GS = 3.636

CENTROID #

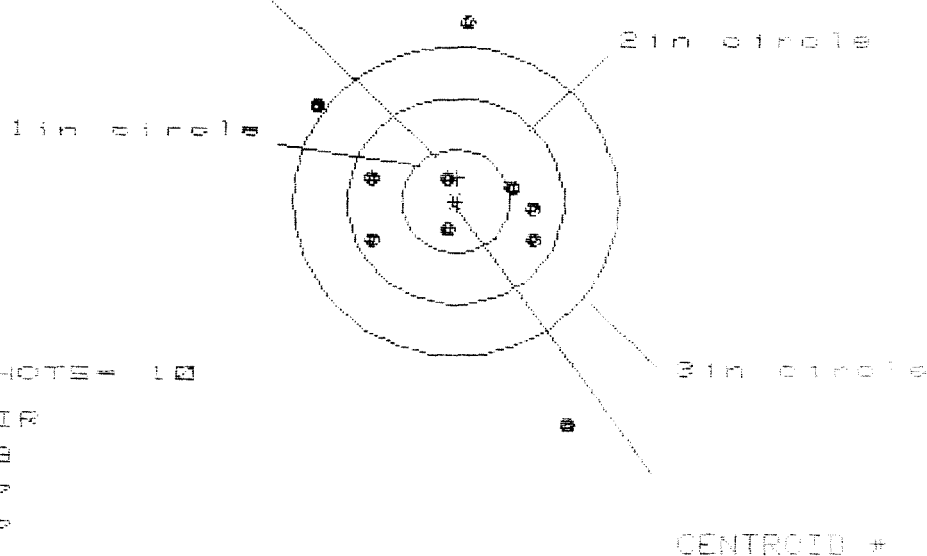
PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.287	1.210	1.340
MINIMUM X	:	-1.720	-1.797	-1.667
MAXIMUM Y	:	1.376	1.180	.552
MINIMUM Y	:	-1.770	-1.033	-1.886
CENTROID X	:	.028	.105	-.025
CENTROID Y	:	.062	.258	.111
POA TO CENTROID in.	:	.068	.279	.114
MIN RADIUS	:	.326	.159	.279
MEAN RADIUS	:	1.085	.940	.890
MAX RADIUS	:	1.903	1.874	1.710
HORIZONTAL SPREAD	:	3.007	3.007	3.007
VERTICAL SPREAD	:	3.146	2.213	1.438
EXTREME SPREAD	:	3.636	3.317	3.047
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		7	

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CENTERFIRE PATTERNS # 5

FOR



OF SHOTS = 10

IN CIR

1 in = 3

2 in = 7

3 in = 0

HS = 2.880

VS = 3.963

GS = 4.069

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.039	.848	.877
MINIMUM X	:	-1.321	-1.206	-1.177
MAXIMUM Y	:	1.746	1.500	.885
MINIMUM Y	:	-2.216	-.606	-.418
CENTROID X	:	-.020	-.135	-.164
CENTROID Y	:	-.231	.016	-.172
FOR TO CENTROID in.	:	.231	.136	.238
MIN RADIUS	:	.251	.024	.166
MEAN RADIUS	:	1.010	.843	.738
MAX RADIUS	:	2.448	1.518	1.472
HORIZONTAL SPREAD	:	2.360	2.054	2.054
VERTICAL SPREAD	:	3.963	2.106	1.303
EXTREME SPREAD	:	4.069	2.431	2.431
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		7	