

C6523402

MODEL 700TM M24

Model **SMS** TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

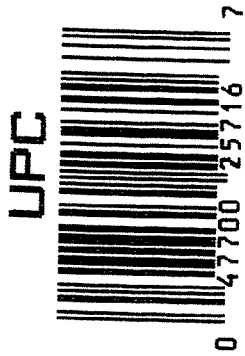
Remington® **DUPONT**
REG. U.S. PAT. & TM. OFF.

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. C6523402	01
ORDER NO. 5716	



CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C 6523402

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		10/4/90	KJ
600	Proof		10/4/90	KJ
607	Check Headspace		10/4/90	KJ
610	Dis-assemble Gun		10/4/90	KJ
612	Magnaflux Barrel Action		10/9/90	KR
	Magnaflux Bolt		10/9/90	KR
615	Rollmark Caliber		10/9/90	LS
617	Drill and Tap Sight Holes		10/11/90	FB
618	Polish Barrel RB		10/12/90	WB
620	Apply Coatings (Barrel Action)		10-18-90	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		10/19/90	WB
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		10/19/90	WB
	C) Inspect Ejector Hole for Chamfer		10/19/90	WB
	D) Oil Firing Pin Ass'y		10/19/90	WB
	E) Adjust Trigger Pull to Min Setting and Stake		11-6-90	JA

op. #	OP. NAME	READINGS			DATE	INIT
625 cont.	F) Safety On Force	4. 1/2	4.0	4.5	11-2-90	KT
	G) Safety Off Force	2. 1/2	2 1/2	2. 1/2	11-2-90	KT
	H) Trigger Pull Test & Retainability				11-6-90	JH
	I) Firing Pin Indent	.025	.026	.025	11-2-90	KT
	J) Assemble Stock				11-6-90	KS
	K) Assemble Swivel Studs				11/19/90	JS
	L) Attach Front and Rear Sight Assemblies				11-6-90	KS
	M) Iron Sight Alignment				11-6-90	KS
	N) Detach Front & Rear Sights & place in numbered container				11-6-90	KS
	O) Attach Scope to Rifle				11-6-90	KS
	P) Detach & Attach Scope 20 Times				11-6-90	KS
640	Gallery Target & Test				11-8-90	DH
	A) Time				11-8-90	DH
	B) Malfunctions				11-8-90	DH
	C) Pierced Primers				11-8-90	DH
	D) Optical Clarity of Scope				11-8-90	DH
645	Inspect for Live Ammo				11-8-90	DH
655	Final Inspection					
	A) Headspace				11/19/90	JS
	B) Trigger Pull	271	270	270	11/19/90	JS
	C) Function				11/19/90	JS
660	Pack				12/18/90	AF

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50#+ .50#

3.00#+ .75#

4.00#+1.00#

SERIAL NO. C65 23402

DATE 11-6-90

TESTER JL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.48	2.12	2.25	2.71	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.30	2.20	2.35	2.70	
PULL #3	2.40	2.48	2.40	2.70	
PULL #4	2.35	2.33	2.33	2.71	
PULL #5	2.38	2.49	2.20	2.74	
TOTAL	11.83	11.62	11.53		
AVG.	2.366	2.324	2.306		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.34	3.21		
PULL #2	3.38	3.24		
PULL #3	3.32	3.15		
PULL #4	3.32	3.26		
PULL #5	3.31	3.23		
TOTAL	16.67	16.09		
AVG.	3.334	3.218		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.37	4.31		4.39
PULL #2	4.32	4.30		4.35
PULL #3	4.35	4.15		4.43
PULL #4	4.38	4.33		4.41
PULL #5	4.31	4.34		4.47
TOTAL	21.73	21.43		22.05
AVG.	4.346	4.286		4.41

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6523402
8 Nov 1990

CENTROIDAL DISTANCES

0 TO	1	.139488
1 TO	2	.1464
1 TO	3	.211627
1 TO	4	.522457
1 TO	5	.308871

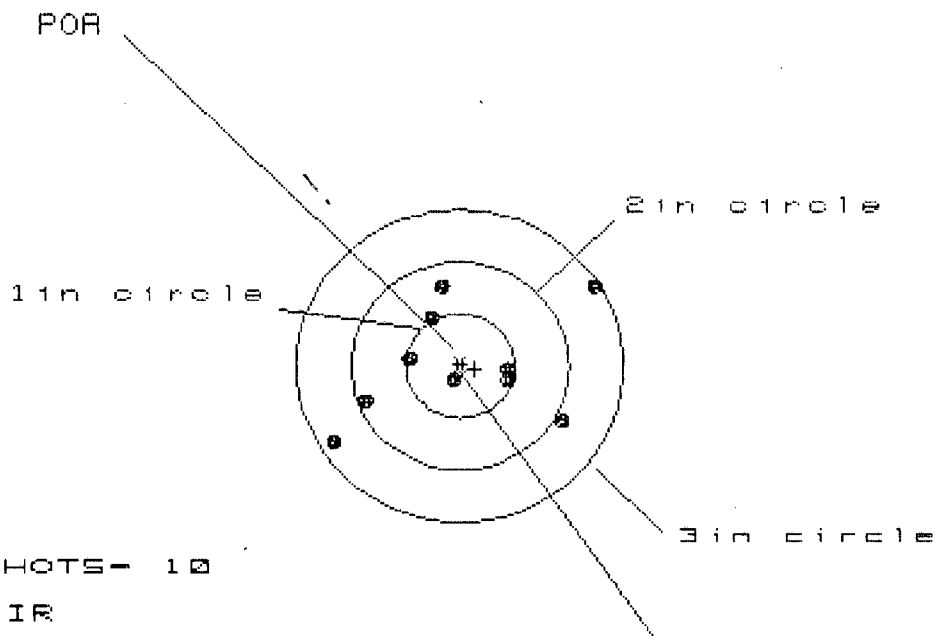
4 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0638
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0974
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .116435
THE AMR FOR THIS RIFLE IS: .7956

8 Nov 1998

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CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 4

2in = 7

3in = 10

HS= 2.359

VS= 1.477

GS= 2.783

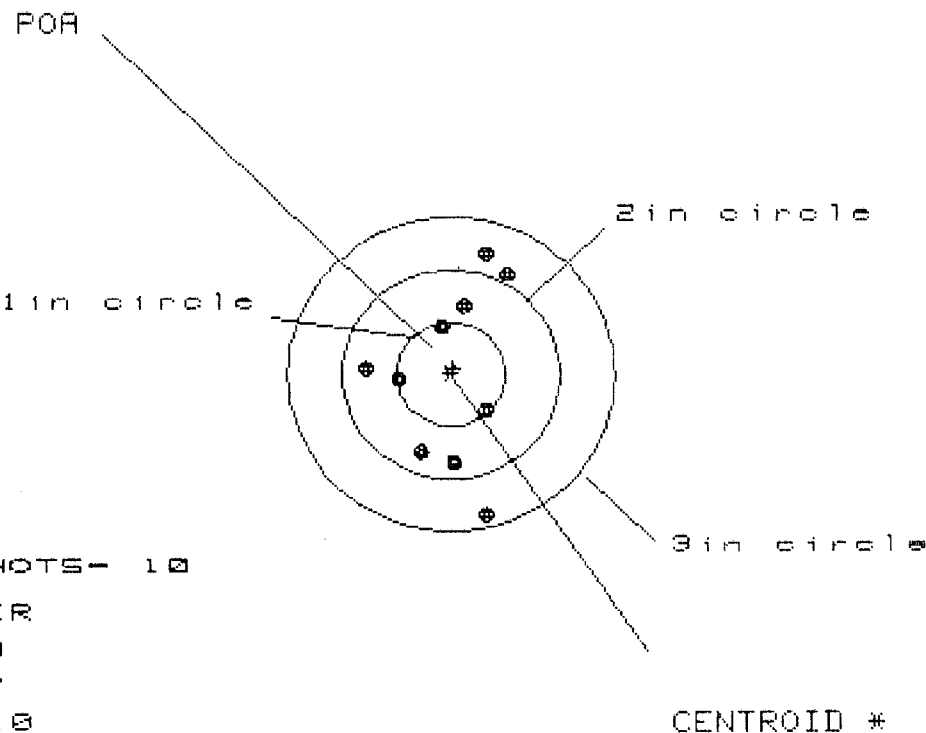
CENTROID #

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.225	1.028	.903
MINIMUM X	:	-1.134	-.998	-.887
MAXIMUM Y	:	.744	.819	.738
MINIMUM Y	:	-.733	-.650	-.526
CENTROID X	:	-.136	-.272	-.147
CENTROID Y	:	.031	-.052	.029
POA TO CENTROID in.	:	.139	.277	.150
MIN RADIUS	:	.192	.083	.184
MEAN RADIUS	:	.768	.682	.611
MAX RADIUS	:	1.433	1.191	1.046
HORIZONTAL SPREAD	:	2.359	2.026	1.790
VERTICAL SPREAD	:	1.477	1.469	1.264
EXTREME SPREAD	:	2.783	2.036	1.797
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

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CENTERFIRE PATTERNS # 2



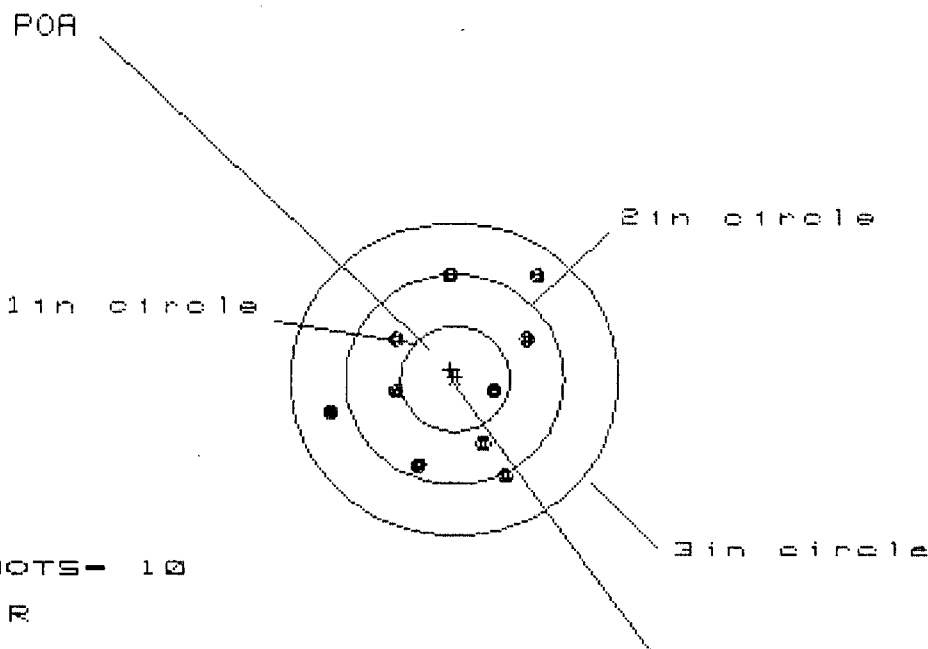
OF SHOTS- 10
IN CIR
1in = 3
2in = 7
3in = 10
HS= 1.287
VS= 2.522
GS= 2.522

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.524	.555	.599
MINIMUM X	:	-.763	-.732	-.688
MAXIMUM Y	:	1.186	1.038	.912
MINIMUM Y	:	-1.336	-.982	-.852
CENTROID X	:	-.019	-.050	-.094
CENTROID Y	:	-.057	.091	-.039
POA TO CENTROID in.	:	.060	.104	.101
MIN RADIUS	:	.440	.322	.372
MEAN RADIUS	:	.805	.729	.674
MAX RADIUS	:	1.363	1.096	1.091
HORIZONTAL SPREAD	:	1.287	1.287	1.287
VERTICAL SPREAD	:	2.522	2.020	1.764
EXTREME SPREAD	:	2.522	2.045	1.841
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

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CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 1

2in = 6

3in = 10

HS= 1.845

VS= 1.921

GS= 2.281

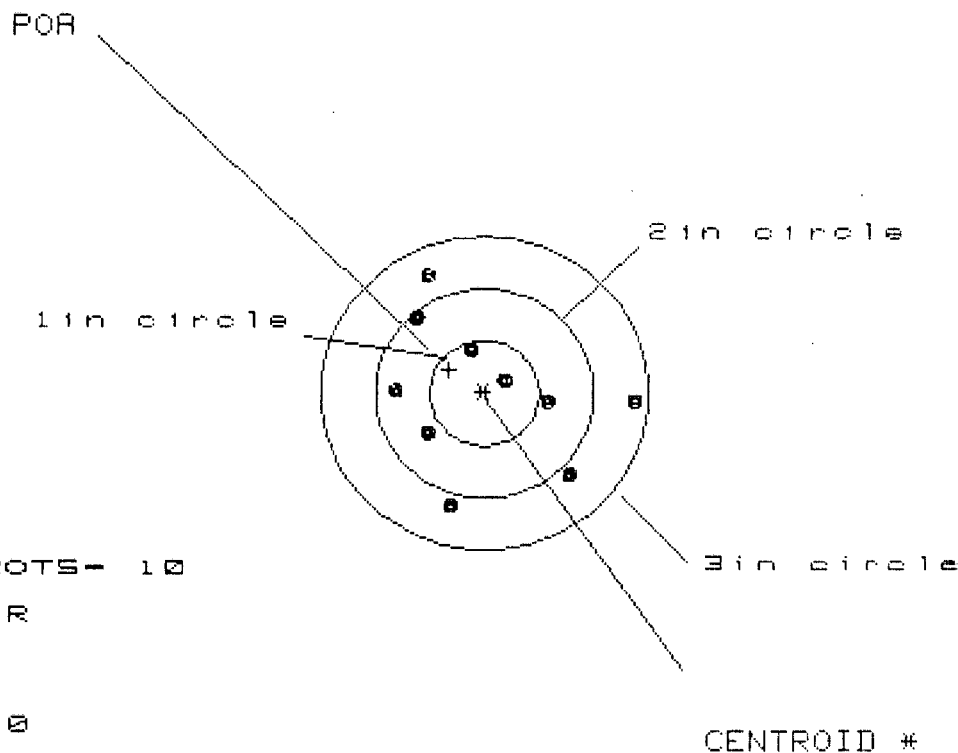
CENTROID #

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.723	.709	.579
MINIMUM X	:	-1.122	-1.042	-.585
MAXIMUM Y	:	1.024	1.131	1.105
MINIMUM Y	:	-.897	-.783	-.809
CENTROID X	:	.039	-.041	.089
CENTROID Y	:	-.088	-.202	-.176
POA TO CENTROID in.	:	.096	.206	.198
MIN RADIUS	:	.421	.456	.359
MEAN RADIUS	:	.840	.782	.737
MAX RADIUS	:	1.253	1.131	1.109
HORIZONTAL SPREAD	:	1.845	1.751	1.164
VERTICAL SPREAD	:	1.921	1.914	1.914
EXTREME SPREAD	:	2.281	1.993	1.993
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

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CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in = 2

2in = 6

3in = 10

HS= 2.198

VS= 2.223

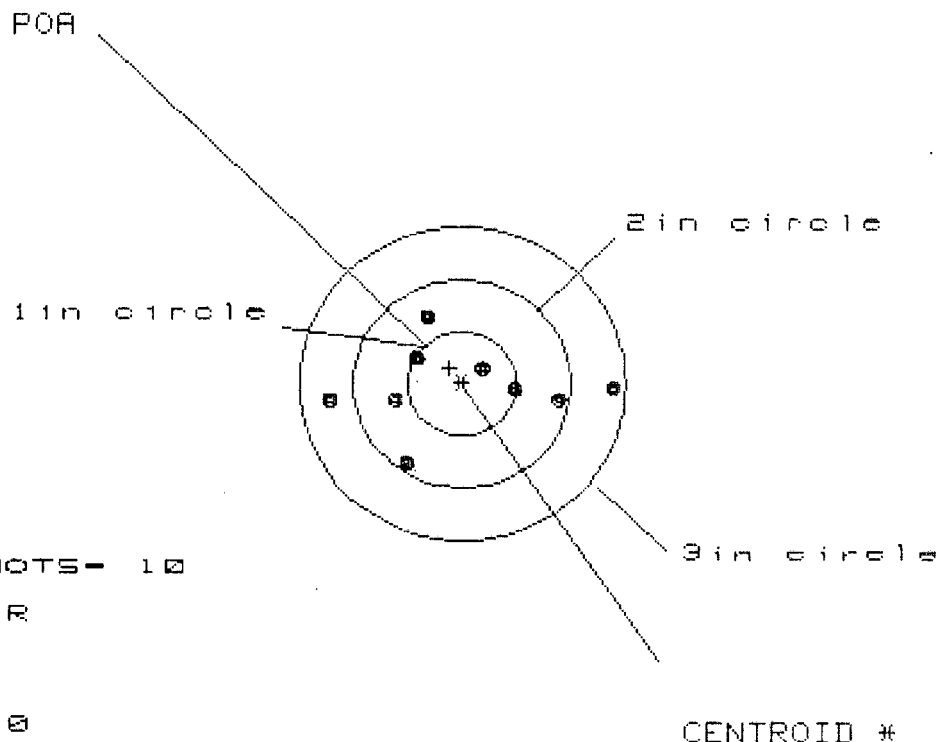
GS= 2.339

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.423	.913	.872
MINIMUM X	:	-.775	-.617	-.658
MAXIMUM Y	:	1.172	1.159	.856
MINIMUM Y	:	-1.051	-1.064	-.919
CENTROID X	:	.320	.162	.203
CENTROID Y	:	-.224	-.211	-.356
POA TO CENTROID in.	:	.391	.267	.410
MIN RADIUS	:	.176	.314	.351
MEAN RADIUS	:	.853	.780	.729
MAX RADIUS	:	1.427	1.230	1.105
HORIZONTAL SPREAD	:	2.198	1.530	1.530
VERTICAL SPREAD	:	2.223	2.223	1.775
EXTREME SPREAD	:	2.339	2.339	2.076
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

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CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 4

2in = 8

3in = 10

HS= 2.577

VS= 1.400

GS= 2.577

PATTERN #	:	5	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.373	.991	.859
MINIMUM X	:	-1.204	-1.051	-.588
MAXIMUM Y	:	.695	.689	.675
MINIMUM Y	:	-.705	-.711	-.725
CENTROID X	:	.115	-.038	.094
CENTROID Y	:	-.149	-.143	-.129
POA TO CENTROID in.	:	.188	.148	.160
MIN RADIUS	:	.232	.346	.238
MEAN RADIUS	:	.712	.639	.567
MAX RADIUS	:	1.374	1.057	.870
HORIZONTAL SPREAD	:	2.577	2.042	1.447
VERTICAL SPREAD	:	1.400	1.400	1.400
EXTREME SPREAD	:	2.577	2.042	1.449
NUMBER IN ONE INCH CIRCLE =	:	4		
NUMBER IN TWO INCH CIRCLE =	:	8		
NUMBER IN THREE INCH CIRCLE =	:	10		