

C6523489

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

Remington®



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

MODEL 700™ H24

SERIAL NO.
C6523489

ORDER NO.
5716

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

Ø1



5716 C6523489

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C 6523489

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		10/2/90	KG
600	Proof		10/2/90	KG
607	Check Headspace		10/2/90	KG
610	Dis-assemble Gun		10/2/90	KG
612	Magnaflux Barrel Action		10/5/90	KR
	Magnaflux Bolt		10/5/90	KR
615	Rollmark Caliber		10/5/90	EL
617	Drill and Tap Sight Holes		10/8/90	LB
618	Polish Barrel RB		10/9/90	WB
620	Apply Coatings (Barrel Action)		10-20-90	TH
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		10/21/90	WB
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		10/21/90	WB
	C) Inspect Ejector Hole for Chamfer		10/21/90	WB
	D) Oil Firing Pin Ass'y		10/21/90	WB
	E) Adjust Trigger Pull to Min Setting and Stake		10/31/90	ML

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			10/31/90	WLB
	G) Safety Off Force	2 3/4	2 3/4	2 3/4			10/31/90	WLB
	H) Trigger Pull Test & Retainability						10/31/90	WLB
	I) Firing Pin Indent	1.022	1.022	1.022			10/31/90	WLB
	J) Assemble Stock						11/2/90	Kd
	K) Assemble Swivel Studs						11-20-90	DH
	L) Attach Front and Rear Sight Assemblies						11/2/90	Kd
	M) Iron Sight Alignment						11/2/90	Kd
	N) Detach Front & Rear Sights & place in numbered container						11/2/90	Kd
	O) Attach Scope to Rifle						11/2/90	Kd
	P) Detach & Attach Scope 20 Times						11/2/90	Kd
640	Gallery Target & Test						11-6-90	DH
	A) Time						11-6-90	DH
	B) Malfunctions						11-6-90	DH
	C) Pierced Primers						11-6-90	DH
	D) Optical Clarity of Scope						11-6-90	DH
645	Inspect for Live Ammo						11-6-90	DH
655	Final Inspection						11-20-90	DH
	A) Headspace						11-20-90	DH
	B) Trigger Pull	2.09	2.07	2.08	2.13	2.09	11-20-90	DH
	C) Function						11-20-90	DH
660	Pack						12/18/90	W

SWS TRIGGER PULL TEST

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

SERIAL NO. C6623489
DATE 10/31/90
TESTER JR

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.39	2.18	2.36	205	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.19	2.42	2.36	207	
PULL #3	2.37	2.40	2.46	208	
PULL #4	2.38	2.38	2.40	213	
PULL #5	2.33	2.46	2.35	209	
TOTAL	11.66	11.84	11.93		
AVG.	2.332	2.368	2.386		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.21	3.45		
PULL #2	3.47	3.43		
PULL #3	3.47	3.40		
PULL #4	3.43	3.38		
PULL #5	3.43	3.30		
TOTAL	17.01	16.96		
AVG.	3.402	3.392		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.32	4.27		4.46
PULL #2	4.25	4.39		4.47
PULL #3	4.26	4.30		4.24
PULL #4	4.29	4.36		4.10
PULL #5	4.26	4.36		4.50
TOTAL	21.38	21.67		21.77
AVG.	4.276	4.334		4.354

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6523489
6 Nov 1990

CENTROIDAL DISTANCES

0	TO	1	.187683
1	TO	2	.31293
1	TO	3	.4724
1	TO	4	.219513
1	TO	5	.424058

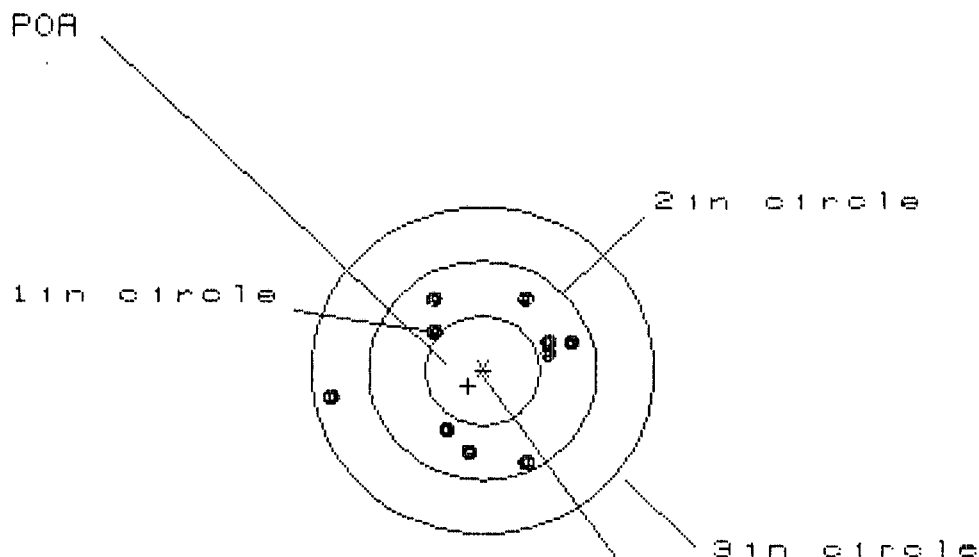
34 5 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0848
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0174
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0865667
THE AMR FOR THIS RIFLE IS: .8068

6 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06523489

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 0

2in = 9

3in = 10

HS= 2.149

VS= 1.417

GS= 2.203

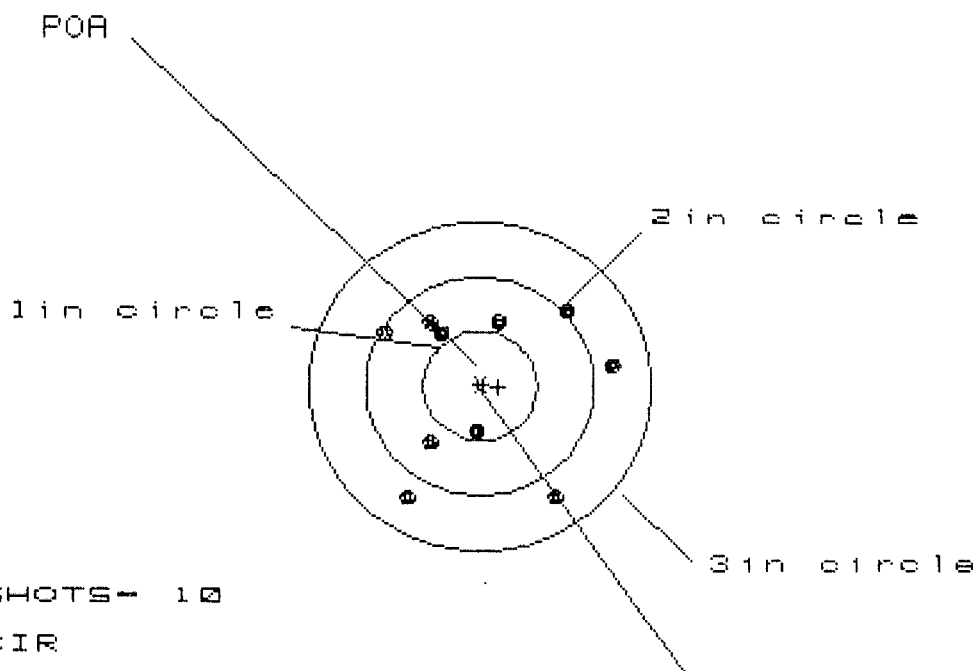
CENTROID *

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.822	.675	.708
MINIMUM X	:	-1.327	-.600	-.567
MAXIMUM Y	:	.622	.598	.496
MINIMUM Y	:	-.795	-.819	-.883
CENTROID X	:	.125	.272	.239
CENTROID Y	:	.140	.164	.266
POA TO CENTROID in.	:	.187	.317	.358
MIN RADIUS	:	.570	.427	.429
MEAN RADIUS	:	.770	.684	.649
MAX RADIUS	:	1.344	.860	.914
HORIZONTAL SPREAD	:	2.149	1.275	1.275
VERTICAL SPREAD	:	1.417	1.417	1.379
EXTREME SPREAD	:	2.203	1.644	1.454
NUMBER IN ONE INCH CIRCLE =			0	
NUMBER IN TWO INCH CIRCLE =			9	
NUMBER IN THREE INCH CIRCLE =			10	

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CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 1

2in = 6

3in = 10

HS= 1.980

VS= 1.657

GS= 2.214

CENTROID #

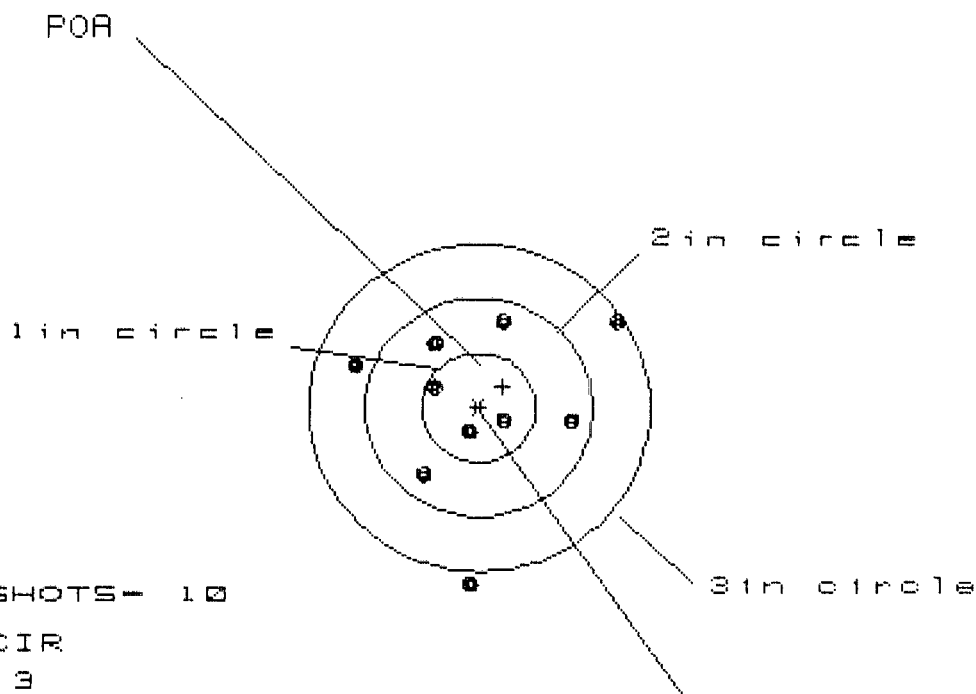
PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.148	1.225	1.152
MINIMUM X	:	-.832	-.755	-.828
MAXIMUM Y	:	.642	.529	.389
MINIMUM Y	:	-1.015	-1.128	-.796
CENTROID X	:	-.161	-.238	-.165
CENTROID Y	:	.013	.126	.267
POA TO CENTROID in.	:	.162	.269	.313
MIN RADIUS	:	.404	.442	.377
MEAN RADIUS	:	.866	.804	.728
MAX RADIUS	:	1.228	1.271	1.154
HORIZONTAL SPREAD	:	1.980	1.980	1.980
VERTICAL SPREAD	:	1.657	1.657	1.185
EXTREME SPREAD	:	2.214	2.214	1.999
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

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CENTERFIRE PATTERNS

3



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 7

3 in = 9

HS= 2.297

VS= 2.449

GS= 2.749

CENTROID #

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.213	1.209	1.006
MINIMUM X	:	-1.084	-1.088	-.937
MAXIMUM Y	:	.817	.635	.646
MINIMUM Y	:	-1.632	-.800	-.721
CENTROID X	:	-.214	-.210	-.361
CENTROID Y	:	-.189	-.007	-.086
POA TO CENTROID in.	:	.285	.210	.371
MIN RADIUS	:	.187	.365	.253
MEAN RADIUS	:	.828	.739	.636
MAX RADIUS	:	1.633	1.365	1.037
HORIZONTAL SPREAD	:	2.297	2.297	1.943
VERTICAL SPREAD	:	2.449	1.435	1.366
EXTREME SPREAD	:	2.749	2.337	2.016
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

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CENTERFIRE PATTERNS

4

POA

1 in circle

2 in circle

3 in circle

OF SHOTS- 10

IN CIR

1 in = 2

2 in = 6

3 in = 10

HS= 1.958

VS= 1.688

GS= 2.205

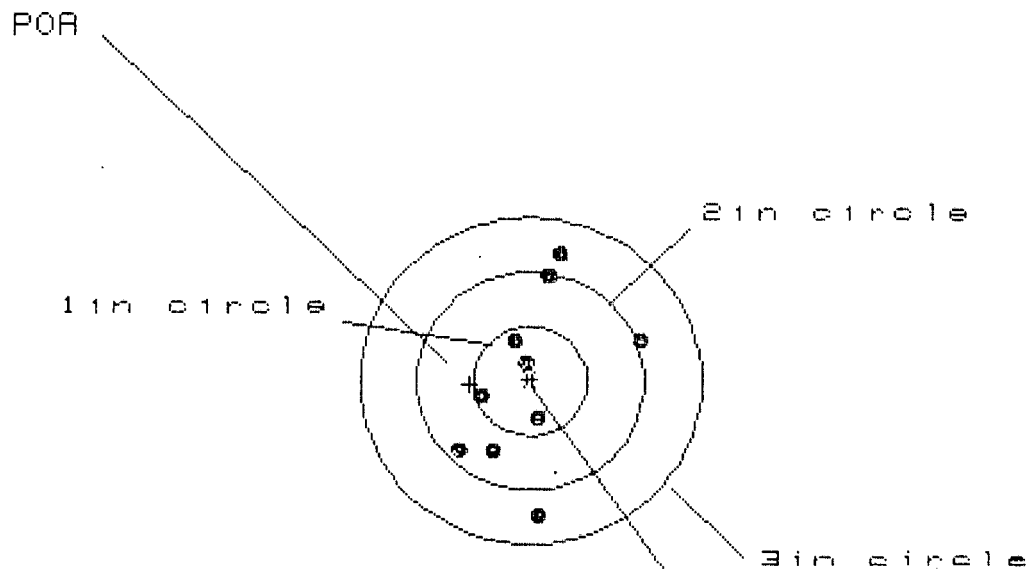
CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.819	.692	.594
MINIMUM X	:	-1.139	-1.044	-1.142
MAXIMUM Y	:	.891	.843	.738
MINIMUM Y	:	-.796	-.845	-.654
CENTROID X	:	.140	.267	.365
CENTROID Y	:	-.079	-.030	.075
POA TO CENTROID in.	:	.161	.269	.373
MIN RADIUS	:	.354	.240	.156
MEAN RADIUS	:	.825	.758	.687
MAX RADIUS	:	1.219	1.152	1.178
HORIZONTAL SPREAD	:	1.958	1.736	1.736
VERTICAL SPREAD	:	1.688	1.688	1.392
EXTREME SPREAD	:	2.205	2.041	1.975
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 = 7

3in = 10

HS= 1.656

VS= 2.431

GS= 2.445

CENTROID *

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.006	1.009	1.045
MINIMUM X	:	-.650	-.647	-.611
MAXIMUM Y	:	1.190	1.052	.932
MINIMUM Y	:	-1.241	-.799	-.668
CENTROID X	:	.534	.531	.495
CENTROID Y	:	.028	.166	.035
POA TO CENTROID in.	:	.535	.556	.496
MIN RADIUS	:	.140	.013	.134
MEAN RADIUS	:	.745	.674	.619
MAX RADIUS	:	1.242	1.091	1.104
HORIZONTAL SPREAD	:	1.656	1.656	1.656
VERTICAL SPREAD	:	2.431	1.851	1.600
EXTREME SPREAD	:	2.445	2.000	1.904
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	