

C6611612

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

 		VERY IMPORTANT: Instruction Book enclosed to assure safe use of this firearm.
MODEL 700™ H24		SERIAL NO. C6611612
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat & Tm. Off, Marca Registrada Marque Deposee.		ORDER NO. 5716



5716 C6611612



CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C 6611612

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		3/26/91	K.S.
600	Proof		3/26/91	K.S.
607	Check Headspace		3/26/91	K.S.
610	Dis-assemble Gun		3/26/91	K.S.
612	Magnaflux Barrel Action	APR 2 1991		KR
	Magnaflux Bolt	APR 2 1991		11
615	Rollmark Caliber	APR 2 1991		GL
617	Drill and Tap Sight Holes	APR 5 1991		LB
618	Polish Barrel	APR 5 1991		WB
620	Apply Coatings (Barrel Action)		4-10-91	JS
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		4/10/91	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		4/10/91	KS
	C) Inspect Ejector Hole for Chamfer		4/10/91	KS
	D) Oil Firing Pin Ass'y		4/10/91	KS
	E) Adjust Trigger Pull to Min Setting and Stake		4/12/91	JS

op. #	BARBER - M24 0079600 OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			4/12/91	WB
	G) Safety Off Force	3 1/2	3 1/2	3 1/2			4/12/91	WB
	H) Trigger Pull Test & Retainability						4/12/91	WB
	I) Firing Pin Indent	.0225	.022	.022			4/12/91	WB
	J) Assemble Stock						4/24/91	KS
	K) Assemble Swivel Studs						5-1-91	DH
	L) Attach Front and Rear Sight Assemblies						4/24/91	KS
	M) Iron Sight Alignment						4/24/91	KS
	N) Detach Front & Rear Sights & place in numbered container						4/24/91	KS
	O) Attach Scope to Rifle						4/24/91	KS
	P) Detach & Attach Scope 20 Times						4/24/91	KS
640	Gallery Target & Test						4-25-91	DH
	A) Time						4-25-91	DH
	B) Malfunctions						4-25-91	DH
	C) Pierced Primers						4-25-91	DH
	D) Optical Clarity of Scope						4-25-91	DH
645	Inspect for Live Ammo						4-25-91	DH
655	Final Inspection						5-1-91	DH
	A) Headspace							
	B) Trigger Pull	2.49	2.44	2.42	2.49	2.44	4/26/91	WB
	C) Function						5-1-91	DH
660	Pack						6-11-91	AF

TIV.

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50#+.50#

3.00#+.75#

4.00#+1.00#

SERIAL NO. C6611612DATE 4/12/91TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.47	2.43	2.40	2.49	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.37	2.32	2.43	2.44	
PULL #3	2.52	2.48	2.38	2.42	
PULL #4	2.54	2.40	2.44	2.49	
PULL #5	2.55	2.46	2.48	2.44	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.33	3.32		
PULL #2	3.34	3.37		
PULL #3	3.39	3.36		
PULL #4	3.46	3.28		
PULL #5	3.46	3.37		
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	4.45		4.41
PULL #2	4.17	4.33		4.45
PULL #3	4.19	4.53		4.53
PULL #4	4.33	4.55		4.47
PULL #5	4.29	4.52		4.47
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6611612
25 Apr 1991

CENTROIDAL DISTANCES

0 TO	1	.245963
1 TO	2	.39989
1 TO	3	.137317
1 TO	4	.171817
1 TO	5	.341533

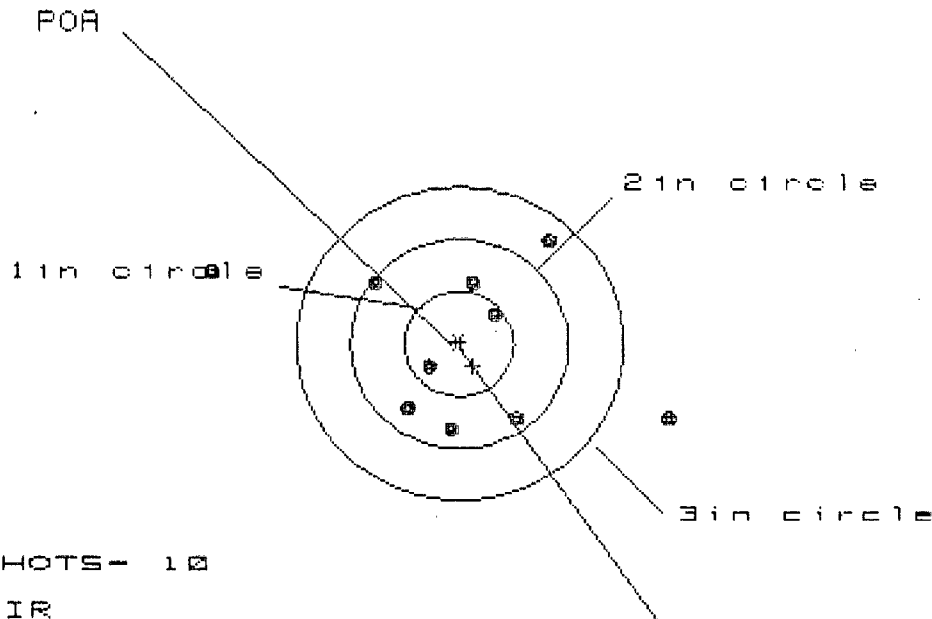
⊗ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0594
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1302
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .14311
THE AMR FOR THIS RIFLE IS: .7898

25 Apr 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611612

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 7

3 in = 8

HS= 4.253

VS= 1.780

GS= 4.468

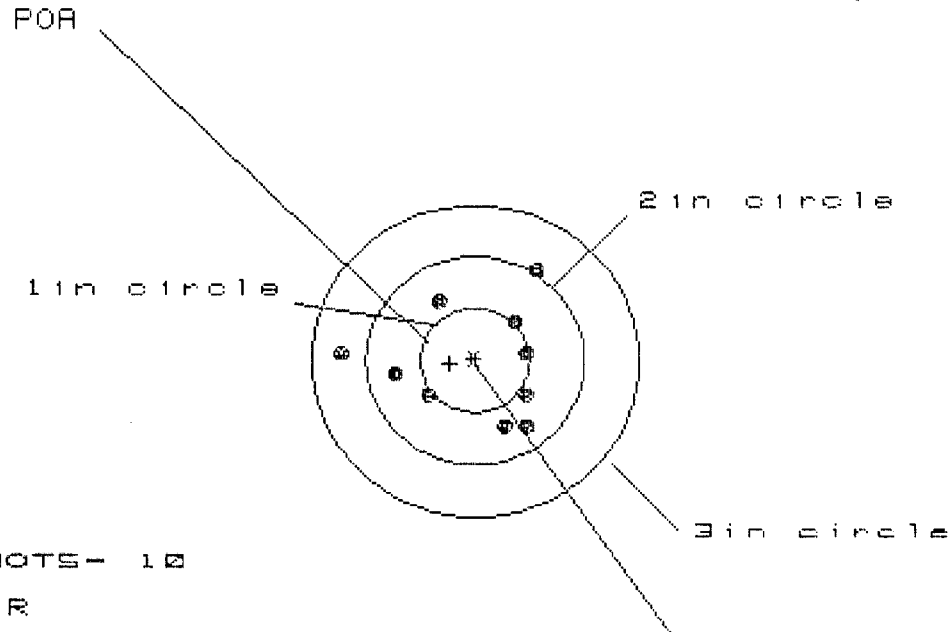
CENTROID *

PATTERN #	:	1	2	3
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.939	1.682	.802
MINIMUM X	:	-2.314	-.998	-.787
MAXIMUM Y	:	.943	1.015	.933
MINIMUM Y	:	-.837	-.765	-.847
CENTROID X	:	-.123	.134	-.077
CENTROID Y	:	.213	.141	.223
POA TO CENTROID in.	:	.246	.194	.236
MIN RADIUS	:	.347	.404	.389
MEAN RADIUS	:	1.060	.911	.766
MAX RADIUS	:	2.401	1.805	1.230
HORIZONTAL SPREAD	:	4.253	2.680	1.589
VERTICAL SPREAD	:	1.780	1.780	1.780
EXTREME SPREAD	:	4.468	2.984	2.011
NUMBER IN ONE INCH CIRCLE	=	2		
NUMBER IN TWO INCH CIRCLE	=	7		
NUMBER IN THREE INCH CIRCLE	=	8		

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CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 0

2in = 8

3in = 10

HS= 1.814

VS= 1.577

GS= 1.896

CENTROID *

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.556	.416	.423
MINIMUM X	:	-1.258	-.897	-.845
MAXIMUM Y	:	.906	.914	.734
MINIMUM Y	:	-.671	-.663	-.548
CENTROID X	:	.231	.371	.319
CENTROID Y	:	.027	.019	-.096
POA TO CENTROID in.	:	.232	.371	.333
MIN RADIUS	:	.518	.382	.455
MEAN RADIUS	:	.749	.670	.621
MAX RADIUS	:	1.260	1.005	.845
HORIZONTAL SPREAD	:	1.814	1.313	1.268
VERTICAL SPREAD	:	1.577	1.577	1.282
EXTREME SPREAD	:	1.996	1.663	1.503
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		10	

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CENTERFIRE PATTERNS # 3

POA

1 in circle

2 in circle

3 in circle

OF SHOTS- 10

IN CIR

1 in = 4

2 in = 8

3 in = 10

HS= 1.729

VS= 1.126

GS= 2.055

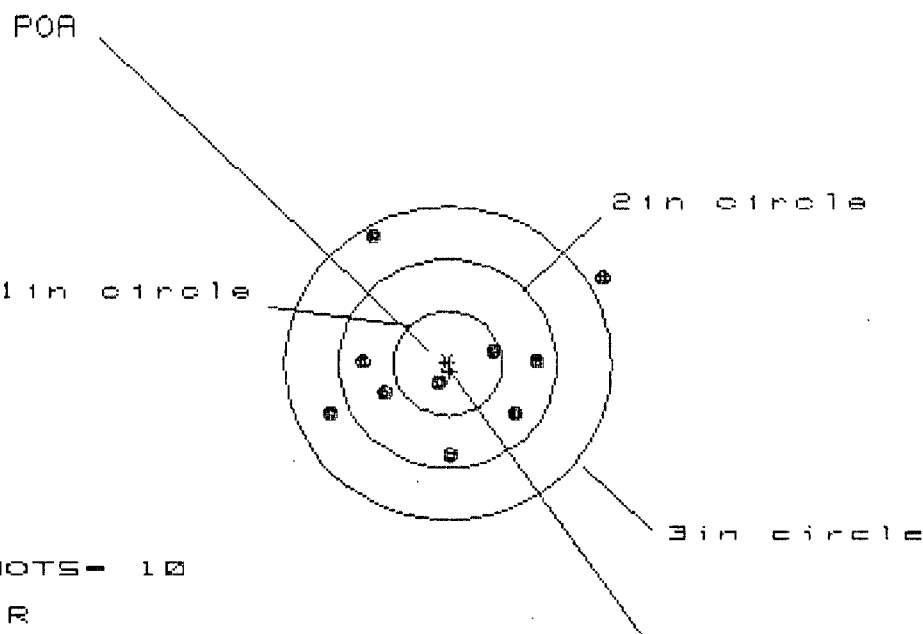
CENTROID *

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.826	.884	.783
MINIMUM X	:	-.903	-.812	-.817
MAXIMUM Y	:	.479	.407	.456
MINIMUM Y	:	-.647	-.464	-.415
CENTROID X	:	.011	-.080	.021
CENTROID Y	:	.243	.315	.266
POA TO CENTROID in.	:	.243	.325	.267
MIN RADIUS	:	.257	.188	.269
MEAN RADIUS	:	.674	.620	.584
MAX RADIUS	:	1.049	.930	.824
HORIZONTAL SPREAD	:	1.729	1.696	1.600
VERTICAL SPREAD	:	1.126	.871	.871
EXTREME SPREAD	:	2.055	1.827	1.605
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		10	

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CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 7

3 in = 9

CENTROID #

HS= 2.486

VS= 2.036

GS= 2.788

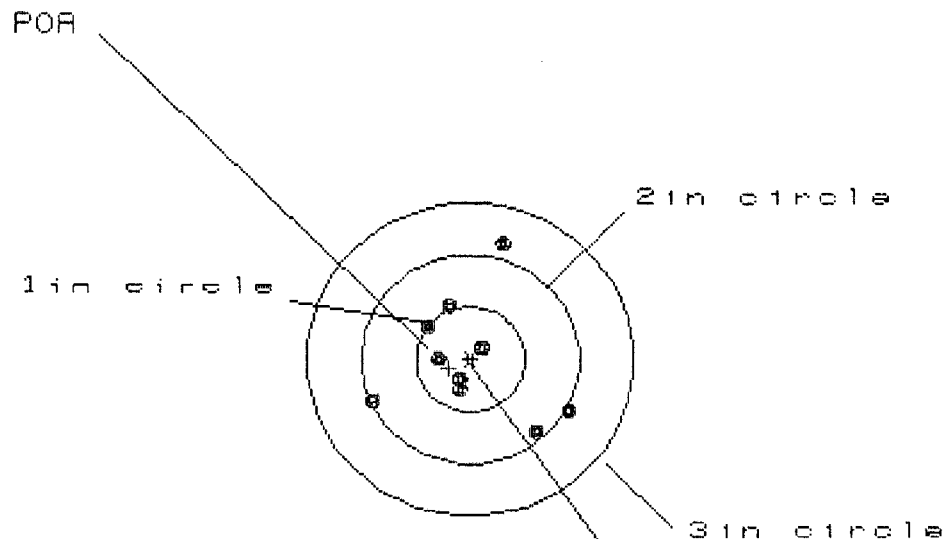
PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.417	.934	.864
MINIMUM X	:	-1.069	-.912	-.982
MAXIMUM Y	:	1.193	1.285	.413
MINIMUM Y	:	-.843	-.751	-.590
CENTROID X	:	-.018	-.175	-.104
CENTROID Y	:	.077	-.015	-.176
POA TO CENTROID in.	:	.079	.176	.204
MIN RADIUS	:	.185	.106	.087
MEAN RADIUS	:	.869	.757	.656
MAX RADIUS	:	1.640	1.405	1.000
HORIZONTAL SPREAD	:	2.486	1.846	1.846
VERTICAL SPREAD	:	2.036	2.036	1.003
EXTREME SPREAD	:	2.788	2.163	1.903
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

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CENTERFIRE PATTERNS

5



OF SHOTS- 10

IN CIR

1in = 5

2in = 8

3in = 10

HS= 1.813

VS= 1.755

GS= 1.878

CENTROID #

PATTERN #	15	15	15
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.913	.950	.762
MINIMUM X	-.899	-.863	-.744
MAXIMUM Y	1.078	.615	.568
MINIMUM Y	-.677	-.557	-.604
CENTROID X	.196	.159	.040
CENTROID Y	.091	-.029	.018
POA TO CENTROID in.	.216	.161	.044
MIN RADIUS	.160	.076	.118
MEAN RADIUS	.597	.525	.441
MAX RADIUS	1.128	1.022	.973
HORIZONTAL SPREAD	1.813	1.813	1.506
VERTICAL SPREAD	1.755	1.172	1.172
EXTREME SPREAD	1.878	1.820	1.543
NUMBER IN ONE INCH CIRCLE =	5		
NUMBER IN TWO INCH CIRCLE =	8		
NUMBER IN THREE INCH CIRCLE =	10		