

C6636071

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5715**

*Includes 1 in chamber.

Remington

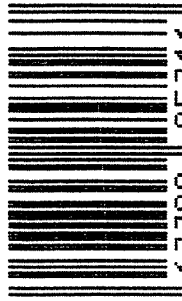
Remington

Remington® REG. U.S. PAT. & TM. OFF. 		VERY IMPORTANT: Instruction Book enclosed to assure safe use of this firearm.
MODEL 700™ H24		SERIAL NO. C6636071
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.		ORDER NO. 5716



5716 C6636071

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6636071

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	4 8 91		RW
600	Proof	4 8 91		RW
607	Check HeadSpace	4 8 91		RW
610	Dis-assemble Gun	4 8 91		RW
612	Magnaflux Barrel Action	APR 9 1991		KR
	Magnaflux Bolt	APR 9 1991		LC
615	Rollmark Caliber	APR 9 1991		GL
617	Drill and Tap Sight Holes	APR 10 1991		LB
618	Polish Barrel	APR 10 1991		WB
620	Apply Coatings (Barrel Action)		5-10-91	TH
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly		5/14/91	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/14/91	RW
	C) Inspect Ejector Hole for Chamfer		5/14/91	RW
	D) Oil Firing Pin Ass'y		5/14/91	RW
	E) Adjust Trigger Pull to Min Setting and Stake		6/7/91	WB

op. #	op. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5 1/4	5 1/4	5 1/4			6/7/91	WB
	G) Safety Off Force	2 1/4	2 1/4	2 1/4			6/7/91	WB
	H) Trigger Pull Test & Retainability						6/7/91	WB
	I) Firing Pin Indent	.0202	.0205	.021			6/7/91	WB
	J) Assemble Stock						6/7/91	RW
	K) Assemble Swivel Studs						6-12-91	A
	L) Attach Front and Rear Sight Assemblies						6/7/91	RW
	M) Iron Sight Alignment						6/7/91	RW
	N) Detach Front & Rear Sights & place in numbered container						6/7/91	RW
	O) Attach Scope to Rifle						6/7/91	RW
	P) Detach & Attach Scope 20 Times						6/7/91	RW
640	Gallery Target & Test						6-8-91	AF
	A) Time						"	AF
	B) Malfunctions						"	AF
	C) Pierced Primers						"	AF
	D) Optical Clarity of Scope						"	AF
645	Inspect for Live Ammo						6-8-91	AF
655	Final Inspection							
	A) Headspace						6-12-91	A
	B) Trigger Pull	2.34	2.23	2.25	2.23	2.35	6-12-91	JK
	C) Function						6-12-91	A
660	Pack						6-20-91	AF

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6636071DATE 6/7/91TESTER WB

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.50	2.56	2.47	2.34	MIN. SETTING, NO. AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.49	2.54	2.49	2.23	
PULL #3	2.32	2.53	2.54	2.25	
PULL #4	2.50	2.53	2.48	2.23	
PULL #5	2.58	2.54	2.53	2.35	
TOTAL	1239	1270	1251		
AVG.	2.48	2.54	2.50		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.22	3.29		
PULL #2	3.25	3.15		
PULL #3	3.28	3.23		
PULL #4	3.26	3.11		
PULL #5	3.27	3.16		
TOTAL	16.28	15.94		
AVG.	3.26	3.19		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.11	4.06		4.07
PULL #2	4.00	4.14		4.19
PULL #3	4.09	4.06		4.11
PULL #4	3.98	4.11		4.17
PULL #5	4.06	4.06		4.25
TOTAL	20.24	20.43		20.79
AVG.	4.05	4.09		4.16

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6636071
8 Jun 1991

CENTROIDAL DISTANCES

0 TO	1	.148661
1 TO	2	.198003
1 TO	3	.144402
1 TO	4	.40609
1 TO	5	.471081

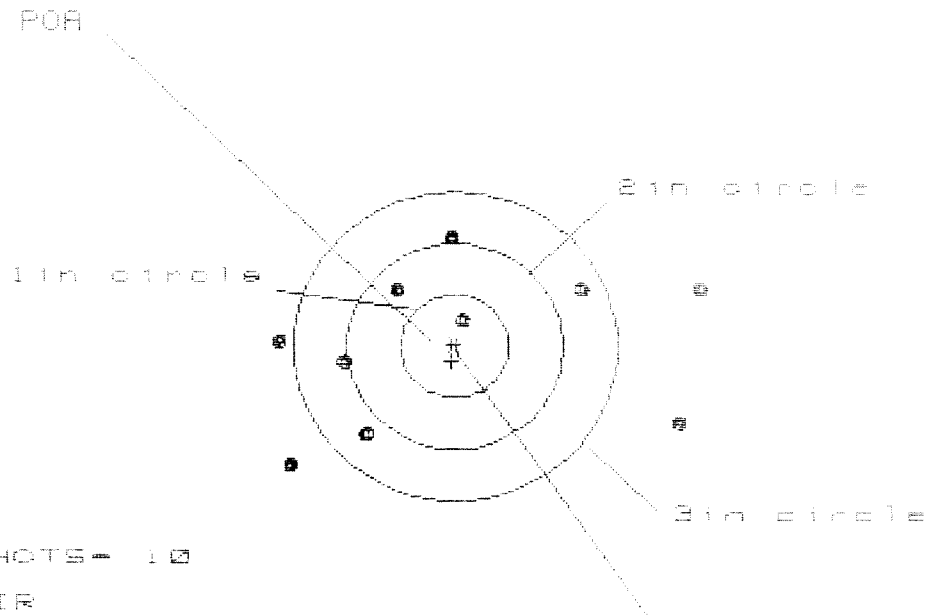
$\frac{1}{2}$ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.005
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0372
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0375345
THE AMR FOR THIS RIFLE IS: 1.052

1991 531

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CENTER FIRE PATTERNS # 1



CF SHOTS = 10

IN CIR

117-1

217 - 2

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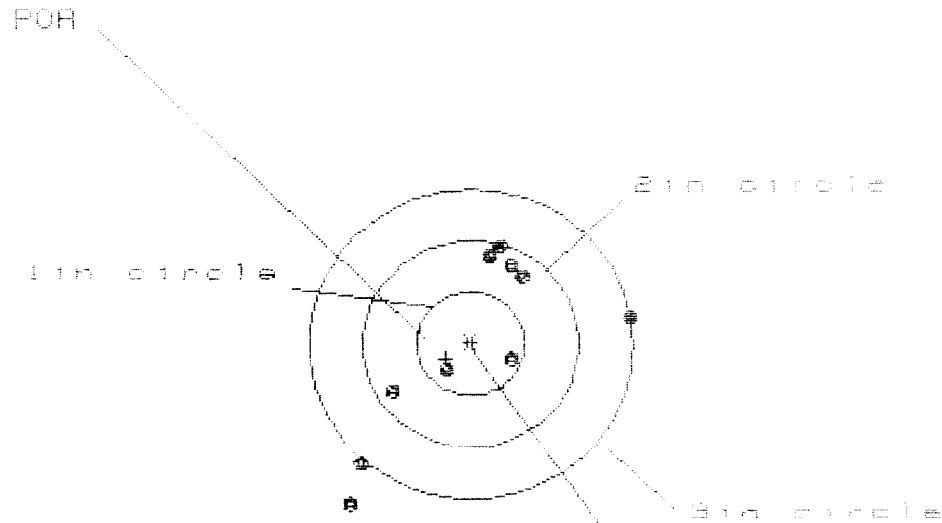
center

PATTERN #	:	1	2	3
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	2.258	2.365	1.684
MINIMUM X	:	-1.626	-1.376	-1.060
MAXIMUM Y	:	1.037	1.099	1.012
MINIMUM Y	:	-1.191	-1.129	-1.216
CENTROID X	:	.028	-.222	-.518
CENTROID Y	:	.146	.085	.172
ROR TO CENTROID in.	:	.149	.238	.546
MIN RADIUS	:	.243	.440	.492
MEAN RADIUS	:	1.361	1.222	1.011
MAX RADIUS	:	2.325	2.467	1.753
HORIZONTAL SPREAD	:	3.894	3.741	2.764
VERTICAL SPREAD	:	2.228	2.228	2.228
EXTREME SPREAD	:	4.169	3.825	3.162
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	2		
NUMBER IN THREE INCH CIRCLE	=	6		

8 Jun 1991

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CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 6

3 in = 8

HS= 3.638

VS= 2.492

GS= 3.200

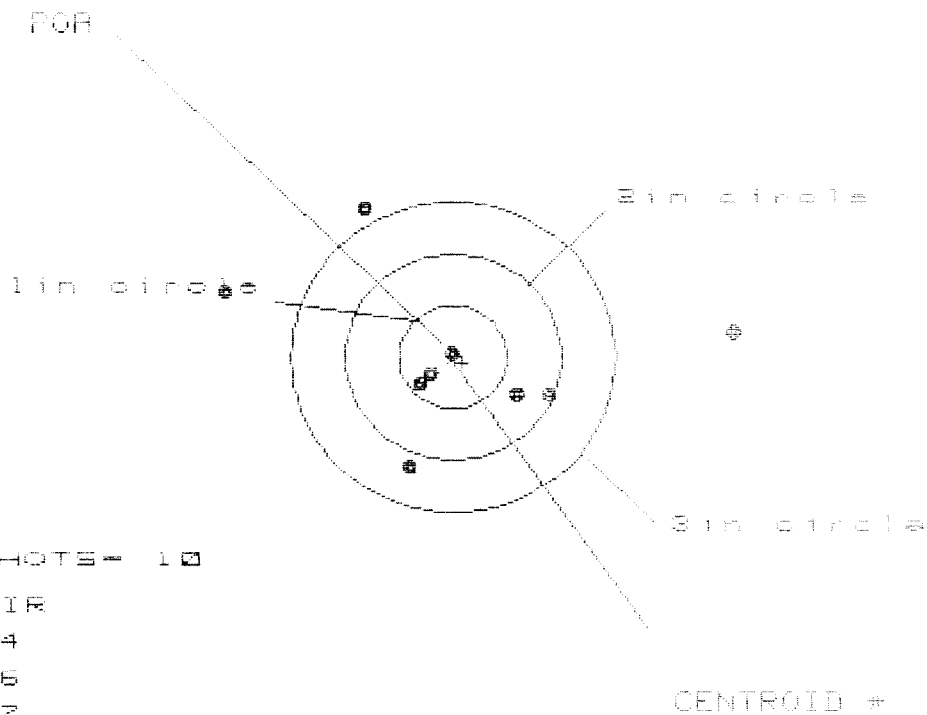
CENTROID +

PATTERN #	:	2
SHOTS (BEST OF)	:	10
MAXIMUM X	:	1.470
MINIMUM X	:	-1.168
MAXIMUM Y	:	.973
MINIMUM Y	:	-1.519
CENTROID X	:	.226
CENTROID Y	:	.147
POR TO CENTROID in.	:	.269
MIN RADIUS	:	.349
MEAN RADIUS	:	1.020
MAX RADIUS	:	1.917
HORIZONTAL SPREAD	:	2.638
VERTICAL SPREAD	:	2.492
EXTREME SPREAD	:	3.200
NUMBER IN ONE INCH CIRCLE	=	2
NUMBER IN TWO INCH CIRCLE	=	6
NUMBER IN THREE INCH CIRCLE	=	8

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CENTERFIRE PATTERNS # 3



OF SHOTS = 10

IN CIR

1 in = 4

2 in = 6

3 in = 7

HE = 4.656

VE = 2.496

GE = 4.667

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	2.588	1.127	.995
MINIMUM X	:	-2.068	-1.781	.732
MAXIMUM Y	:	1.449	1.481	1.562
MINIMUM Y	:	-1.047	-1.015	-.934
CENTROID X	:	-.088	-.375	-.153
CENTROID Y	:	.060	.028	-.053
FOR TO CENTROID in.	:	.106	.376	.162
MIN RADIUS	:	.017	.151	.116
MEAN RADIUS	:	1.015	.928	.841
MAX RADIUS	:	2.604	1.894	1.725
HORIZONTAL SPREAD	:	4.656	2.908	1.637
VERTICAL SPREAD	:	2.496	2.496	2.496
EXTREME SPREAD	:	4.667	3.061	2.528
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		7	

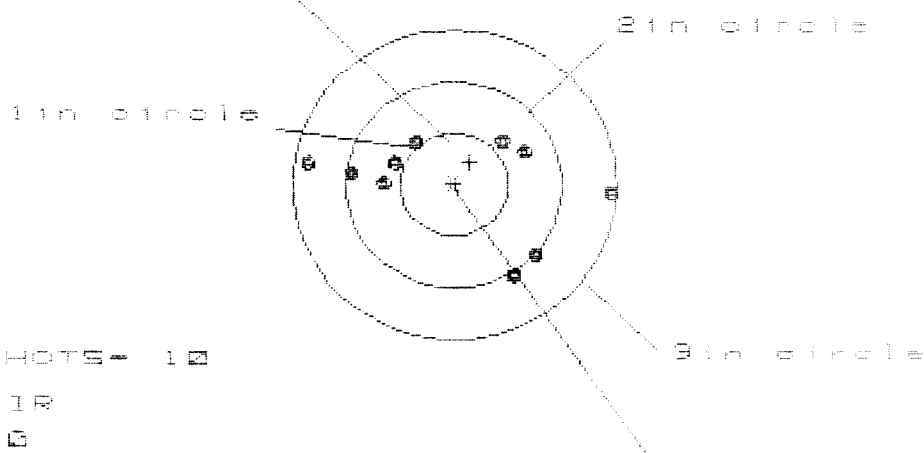
8 Jun 1991

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CENTERFIRE PATTERNS

4

POA



OF SHOTS = 10

IN CIR

1in = 6

2in = 7

3in = 10

HS = 2.789

VS = 1.309

CS = 2.806

CENTROID #

PATTERN #	1	4	9
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.421	.880	.728
MINIMUM X	-1.368	-1.210	-.986
MAXIMUM Y	.429	.416	.437
MINIMUM Y	-.880	-.893	-.872
CENTROID X	-.150	-.308	-.156
CENTROID Y	-.219	-.206	-.227
POA TO CENTROID in.	.265	.370	.276
MIN RADIUS	.531	.444	.532
MEAN RADIUS	.888	.804	.760
MAX RADIUS	1.426	1.222	1.635
HORIZONTAL SPREAD	2.789	2.090	1.637
VERTICAL SPREAD	1.309	1.309	1.309
EXTREME SPREAD	2.806	2.258	1.799
NUMBER IN ONE INCH CIRCLE =		6	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		10	

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CENTERFIRE PATTERNS # 5

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS = 10

IN CIR

1 in = 2

2 in = 6

3 in = 7

HS = 2.742

VS = 2.586

ES = 2.749

PATTERN #	5	5	5
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.753	1.306	1.266
MINIMUM X	-1.989	-1.795	-1.835
MAXIMUM Y	1.614	1.622	1.312
MINIMUM Y	-1.972	-1.964	-1.761
CENTROID X	-1.041	-1.236	-1.196
CENTROID Y	-1.320	-1.328	-1.531
POA TO CENTROID in.	.323	.405	.586
MIN RADIUS	.276	.267	.072
MEAN RADIUS	.976	.852	.678
MAX RADIUS	1.755	1.714	1.823
HORIZONTAL SPREAD	2.743	2.101	2.101
VERTICAL SPREAD	2.586	2.586	2.073
EXTREME SPREAD	2.749	2.702	2.702
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		7	