

C6636007

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.

REG. U.S. PAT. & TM. OFF.

MODEL 700TM H24

SERIAL NO.
C6636007

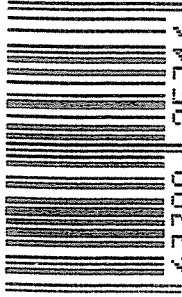
ORDER NO.
5716

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



5716 C6636007

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6636007

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	8	91	RW
612	Magnaflux Barrel Action		APR 9 1991	KR
	Magnaflux Bolt		APR 9 1991	CC
615	Rollmark Caliber		APR 9 1991	YS
617	Drill and Tap Sight Holes		APR 19 1991	LB
618	Polish Barrel		APR 19 1991	WB
620	Apply Coatings (Barrel Action)		570-91	JA
	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		6-4-91	YM

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			6-4-91	DH
	G) Safety Off Force	2	2	2			6-4-91	DH
	H) Trigger Pull Test & Retainability						6-4-91	JH
	I) Firing Pin Indent	.020	.020	.020			6-4-91	DH
	J) Assemble Stock						6/5/91	Rw
	K) Assemble Swivel Studs						6-8-91	DH
	L) Attach Front and Rear Sight Assemblies						6/5/91	Rw
	M) Iron Sight Alignment						6/5/91	Rw
	N) Detach Front & Rear Sights & place in numbered container						6/5/91	Rw
	O) Attach Scope to Rifle						6/5/91	Rw
	P) Detach & Attach Scope 20 Times						6/5/91	Rw
640	Gallery Target & Test						6-5-91	AF
	A) Time						"	AF
	B) Malfunctions						"	AF
	C) Pierced Primers						"	AF
	D) Optical Clarity of Scope						"	AF
645	Inspect for Live Ammo						6-5-91	AF
655	Final Inspection							
	A) Headspace						6-8-91	DH
	B) Trigger Pull	232	2.24	2.27	2.26	2.19	6-8-91	JH
	C) Function						6-8-91	DH
660	Pack						6-20-91	AF

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C-6636007

DATE 6-4-91

TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.26	2.29	2.29	2.32	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.33	2.30	2.35	2.24	
PULL #3	2.24	2.26	2.28	2.27	
PULL #4	2.19	2.39	2.28	2.26	
PULL #5	2.33	2.31	2.34	2.19	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.33	3.46		
PULL #2	2.27	3.39		
PULL #3	3.36	3.40		
PULL #4	3.39	3.36		
PULL #5	3.44	3.43		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.21	4.18		4.28
PULL #2	4.14	4.15		4.28
PULL #3	4.46	4.36		4.33
PULL #4	4.23	4.25		4.40
PULL #5	4.37	4.18		4.35
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06636007
5 Jun 1991

CENTROIDAL DISTANCES

0 TO	1	.132185
1 TO	2	.265957
1 TO	3	.296589
1 TO	4	.261077
1 TO	5	.21

⊥ <----POI

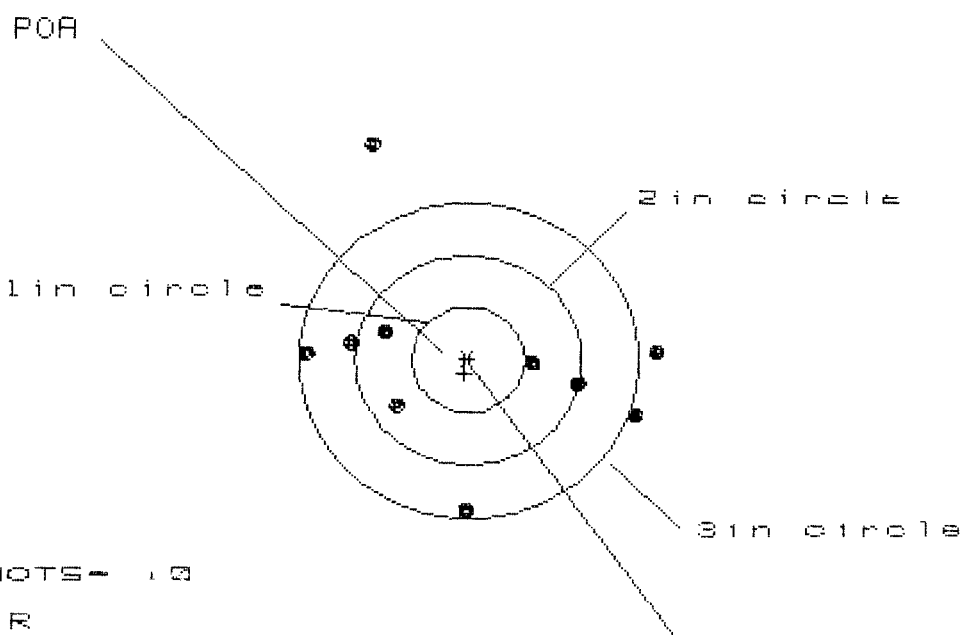
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0032
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0556
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .055692

THE AMR FOR THIS RIFLE IS: 1.048

5 Jun 1991

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CENTERFIRE PATTERNS # 1



OF SHOTS - 10

IN CIR

1 in = 0

2 in = 3

3 in = 7

HS = 3.082

VS = 3.469

GS = 3.552

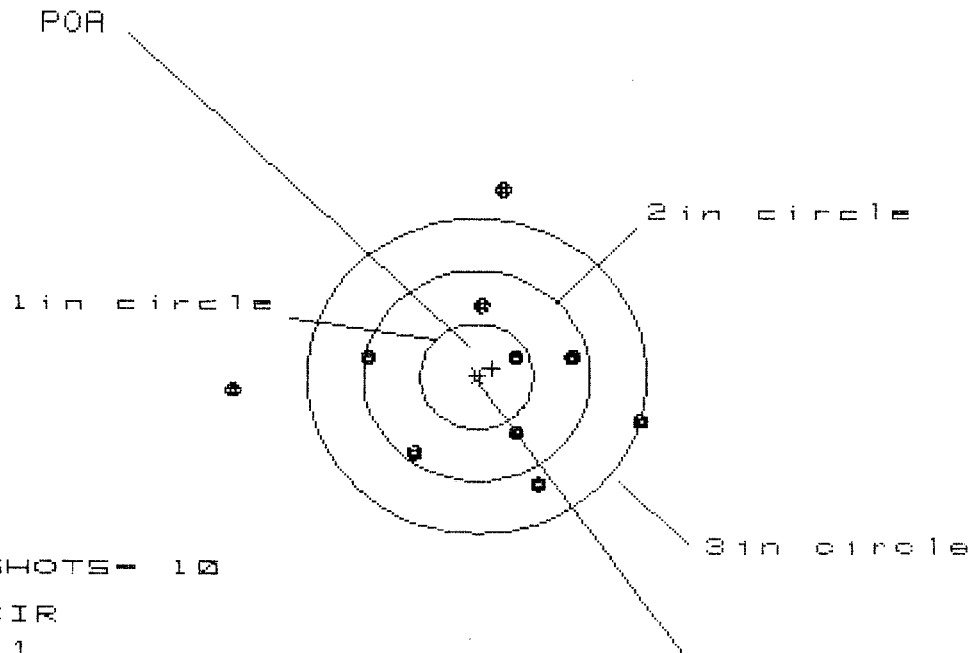
PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.649	1.557	1.612
MINIMUM X	-1.433	-1.525	-1.330
MAXIMUM Y	2.034	.535	.576
MINIMUM Y	-1.435	-1.209	-1.168
CENTROID X	.033	.125	-.070
CENTROID Y	.128	-.098	-.139
POA TO CENTROID in.	.132	.158	.156
MIN RADIUS	.555	.490	.545
MEAN RADIUS	1.250	1.125	1.048
MAX RADIUS	2.195	1.593	1.634
HORIZONTAL SPREAD	3.082	3.082	2.942
VERTICAL SPREAD	3.469	1.744	1.744
EXTREME SPREAD	3.552	3.082	3.008
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =	3		
NUMBER IN THREE INCH CIRCLE =	7		

5 Jun 1991

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CENTERFIRE PATTERNS

2



OF SHOTS- 10

IN CIR

1 in - 1

2 in - 6

3 in - 8

HS- 3.594

VS- 2.766

GS- 3.601

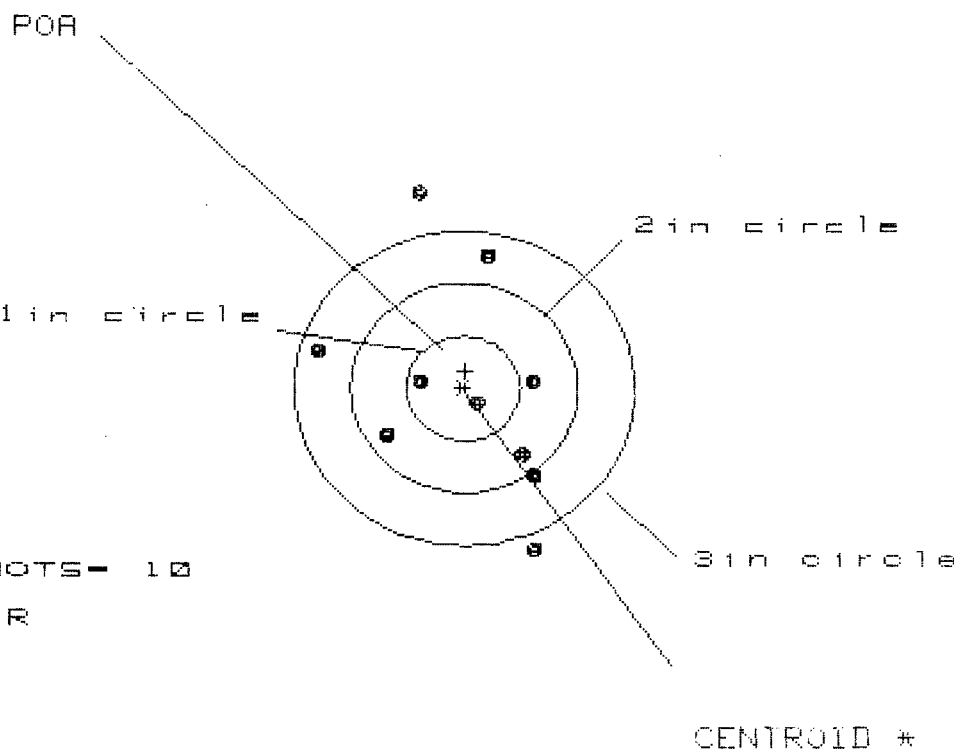
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.405	1.162	1.161
MINIMUM X	:	-2.189	-1.197	-1.198
MAXIMUM Y	:	1.724	1.705	.876
MINIMUM Y	:	-1.042	-1.061	-.848
CENTROID X	:	-.140	.103	.104
CENTROID Y	:	-.074	-.055	-.268
POA TO CENTROID in.	:	.158	.117	.288
MIN RADIUS	:	.377	.161	.338
MEAN RADIUS	:	1.103	.935	.828
MAX RADIUS	:	2.196	1.705	1.245
HORIZONTAL SPREAD	:	3.594	2.359	2.359
VERTICAL SPREAD	:	2.766	2.766	1.724
EXTREME SPREAD	:	3.601	2.778	2.421
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		8	

5 Jun 1991

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CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 2

2in = 5

3in = 8

HS= 1.910

VS= 3.338

GS= 3.496

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.639	.594	.625
MINIMUM X	:	-1.271	-1.316	-1.242
MAXIMUM Y	:	1.849	1.469	1.308
MINIMUM Y	:	-1.489	-1.284	-.809
CENTROID X	:	-.013	.032	-.042
CENTROID Y	:	-.165	-.370	-.209
POA TO CENTROID in.	:	.165	.371	.214
MIN RADIUS	:	.188	.087	.177
MEAN RADIUS	:	.992	.859	.796
MAX RADIUS	:	1.892	1.479	1.332
HORIZONTAL SPREAD	:	1.910	1.910	1.867
VERTICAL SPREAD	:	3.338	2.753	2.117
EXTREME SPREAD	:	3.496	2.785	2.203
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

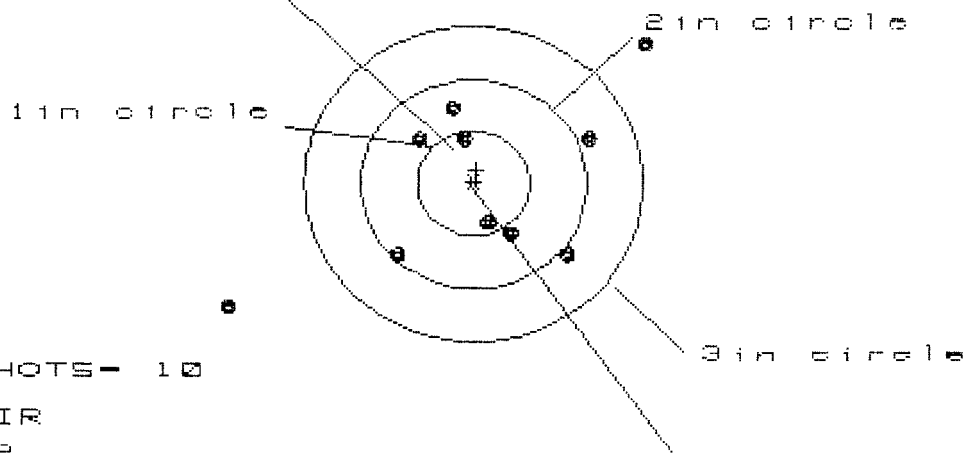
5 Jun 1991

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CENTERFIRE PATTERNS

4

POA



OF SHOTS- 10

IN CIR

1in = 2

2in = 6

3in = 8

HS= 3.615

VS= 2.543

GS= 4.420

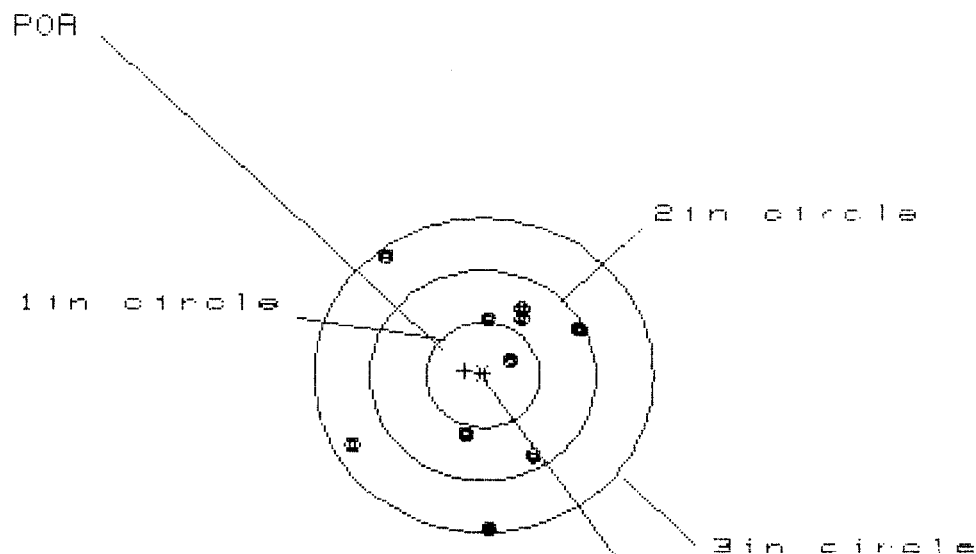
CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.481	1.244	.926
MINIMUM X	:	-2.134	-.960	-.805
MAXIMUM Y	:	1.339	1.205	.756
MINIMUM Y	:	-1.204	-.792	-.641
CENTROID X	:	-.023	.214	.059
CENTROID Y	:	-.127	.007	-.144
POA TO CENTROID in.	:	.129	.214	.156
MIN RADIUS	:	.364	.438	.340
MEAN RADIUS	:	1.029	.871	.729
MAX RADIUS	:	2.450	1.732	1.019
HORIZONTAL SPREAD	:	3.615	2.204	1.731
VERTICAL SPREAD	:	2.543	1.997	1.397
EXTREME SPREAD	:	4.420	2.963	2.025
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		8	

5 Jun 1991

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CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in - 1

2in - 7

3in - 10

HS- 1.942

VS= 2.514

GS= 2.659

CENTROID #

PATTERN #	:	5	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.821	.821	.713
MINIMUM X	:	-1.121	-1.121	-1.229
MAXIMUM Y	:	1.104	.948	.639
MINIMUM Y	:	-1.410	-.944	-.826
CENTROID X	:	.159	.159	.267
CENTROID Y	:	-.040	.116	-.002
POA TO CENTROID in.	:	.164	.197	.267
MIN RADIUS	:	.253	.206	.147
MEAN RADIUS	:	.868	.778	.704
MAX RADIUS	:	1.410	1.407	1.430
HORIZONTAL SPREAD	:	1.942	1.942	1.942
VERTICAL SPREAD	:	2.514	1.892	1.465
EXTREME SPREAD	:	2.659	2.280	2.246
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	7		
NUMBER IN THREE INCH CIRCLE	=	10		