

C6649019

MODEL 700™ M24

Model SMS™

Action

Barrel Length

Capacity

Order No. 5716

*Includes 1 in chamber.

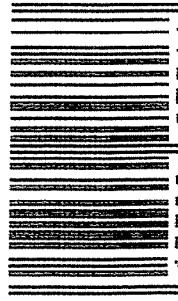
Remington

Remington  REG. U.S. PAT. & TM. OFF.		VERY IMPORTANT: Instruction Book enclosed to assure safe use of this firearm.
MODEL 700™ H24	SERIAL NO. C6649019	ORDER NO. 5716
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off, Marca Registrada Marque Deposee.		



5716 C6649019

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6649019

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	7 2	9 1	RW
600	Proof	7 2	9 1	RW
607	Check Headspace	7 2	9 1	RW
610	Dis-assemble Gun	2	9 1	RW
612	Magnaflux Barrel Action		JUL 22 1991	GS
	Magnaflux Bolt		JUL 22 1991	GS
615	Rollmark Caliber		JUL 22 1991	GS
617	Drill and Tap Sight Holes		JUL 22 1991	LB
618	Polish Barrel		7/28/91	LB
620	Apply Coatings (Barrel Action)		7-28-91	LB
	Apply Coating (Bolt)		7-28-91	LB
625	Final Assembly			
	A) Clean inside of Bolt Assembly		8/29/91	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/29/91	RW
	C) Inspect Ejector Hole for Chamfer		8/29/91	RW
	D) Oil Firing Pin Ass'y		8/29/91	RW
	E) Adjust Trigger Pull to Min Setting and Stake		9-9-91	SL

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5 $\frac{3}{4}$	5 $\frac{1}{2}$	5 $\frac{1}{2}$			9-9-91	DH
	G) Safety Off Force	2	2	2			9-9-91	DH
	H) Trigger Pull Test & Retainability						9/9/91	JH.
	I) Firing Pin Indent	.020	.021	.020			9-9-91	DH
	J) Assemble Stock						9/12/91	RW
	K) Assemble Swivel Studs						9/13/91	JH
	L) Attach Front and Rear Sight Assemblies						9/12/91	RW
	M) Iron Sight Alignment						9/12/91	RW
	N) Detach Front & Rear Sights & place in numbered container						9/12/91	RW
	O) Attach Scope to Rifle						9/12/91	RW
	P) Detach & Attach Scope 20 Times						9/12/91	RW
640	Gallery Target & Test						9/12/91	KT
	A) Time						"	KT
	B) Malfunctions						"	KT
	C) Pierced Primers						"	KT
	D) Optical Clarity of Scope						"	KT
645	Inspect for Live Ammo						9/12/91	KT
655	Final Inspection							
	A) Headspace						9/13/91	JH
	B) Trigger Pull	2-18	2-21	2-23	2-22	2-25	9/13/91	JH
	C) Function						9/13/91	JH
660	Pack						9-19-91	VF

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6649019

DATE 9-9-91

TESTER JU

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.32	2.34	2.43	2.18	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.34	2.30	2.40	2.21	
PULL #3	2.34	2.31	2.38	2.23	
PULL #4	2.32	2.40	2.42	2.22	
PULL #5	2.30	2.35	2.44	2.25	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.32	3.26		
PULL #2	3.27	3.29		
PULL #3	3.40	3.28		
PULL #4	3.39	3.23		
PULL #5	3.39	3.32		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.47	4.66		4.63
PULL #2	4.50	4.52		4.61
PULL #3	4.52	4.53		4.61
PULL #4	4.50	4.58		4.62
PULL #5	4.54	4.55		4.53
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6649819
13 Sep 1991

CENTROIDAL DISTANCES

0 TO 1	.0730616
1 TO 2	.383094
1 TO 3	.255539
1 TO 4	.129402
1 TO 5	.0920869

4
2

(----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .05
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1064
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .117563

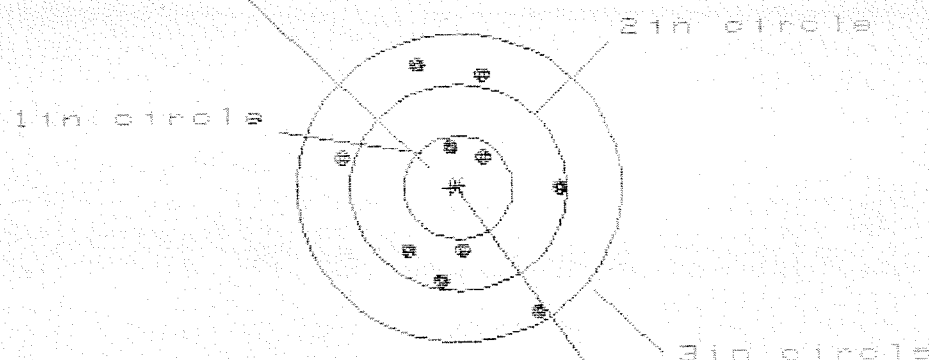
THE AMR FOR THIS RIFLE IS: 1.009

12 Sep 1991

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CENTERFIRE PATTERNS # 1

POA



OF SHOTS- 10

IN CIR

1in = 2

2in = 6

3in = 10

HS= 1.994

VS= 2.467

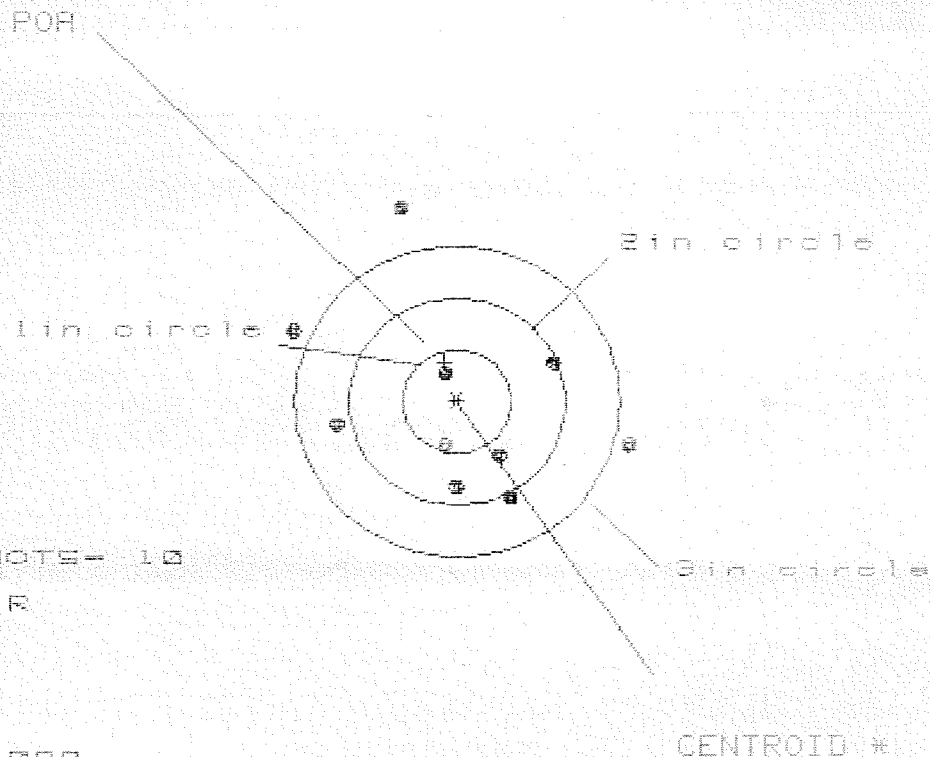
GS= 2.679

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.965	1.044	1.013
MINIMUM X	-1.029	-.950	-.981
MAXIMUM Y	1.243	1.107	1.132
MINIMUM Y	-1.224	-1.086	-.947
CENTROID X	.073	-.006	.025
CENTROID Y	.003	.139	.000
POA TO CENTROID in.	.073	.139	.025
MIN RADIUS	.335	.248	.366
MEAN RADIUS	.902	.830	.789
MAX RADIUS	1.417	1.136	1.170
HORIZONTAL SPREAD	1.994	1.994	1.994
VERTICAL SPREAD	2.467	2.193	2.079
EXTREME SPREAD	2.679	2.196	2.129
NUMBER IN ONE INCH CIRCLE	= 2		
NUMBER IN TWO INCH CIRCLE	= 6		
NUMBER IN THREE INCH CIRCLE	= 10		

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CENTERFIRE PATTERNS # 2



OF SHOTS- 10
IN CIR
1 in = 2
2 in = 5
3 in = 7
HS= 3.098
VS= 2.825
GS= 3.281

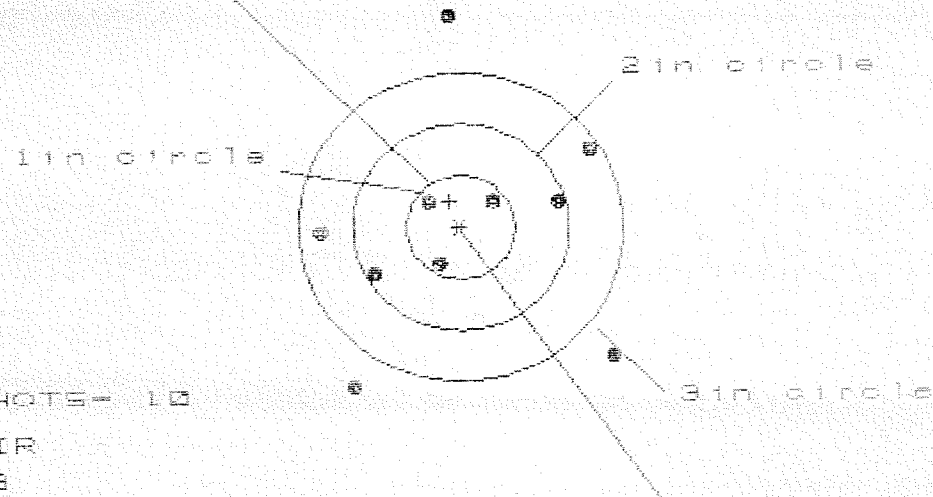
PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.631	1.575	.987
MINIMUM X	:	-1.467	-1.523	-1.326
MAXIMUM Y	:	1.901	.899	.877
MINIMUM Y	:	-.924	-.713	-.736
CENTROID X	:	.113	.169	-.028
CENTROID Y	:	-.379	-.589	-.567
POA TO CENTROID in.	:	.394	.613	.567
MIN RADIUS	:	.314	.294	.275
MEAN RADIUS	:	1.059	.912	.833
MAX RADIUS	:	1.967	1.769	1.590
HORIZONTAL SPREAD	:	3.098	3.098	2.313
VERTICAL SPREAD	:	2.825	1.612	1.612
EXTREME SPREAD	:	3.281	3.281	2.540
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		7	

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CENTERFIRE PATTERNS # 3

FOR



OF SHOTS= 10

IN CIR

1in = 3

2in = 5

3in = 7

HS= 2.696

VS= 3.614

GS= 3.730

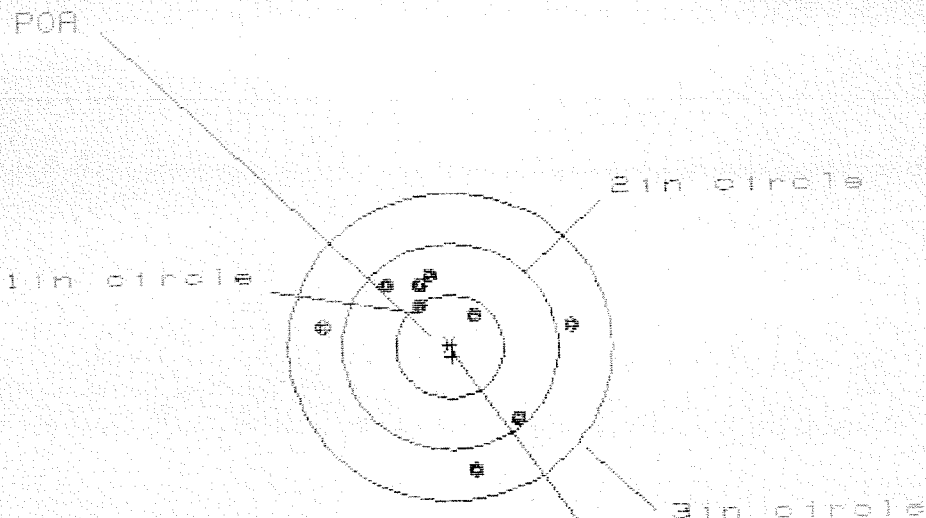
CENTROID *

PATTERN #	3	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.361	1.353	1.227
MINIMUM X	-1.335	-1.343	-1.469
MAXIMUM Y	2.029	.993	.823
MINIMUM Y	-1.585	-1.359	-1.203
CENTROID X	.101	.109	.235
CENTROID Y	-.251	-.477	-.307
FOR TO CENTROID IN.	.271	.489	.386
MIN RADIUS	.408	.262	.375
MEAN RADIUS	1.171	1.077	.983
MAX RADIUS	2.031	1.702	1.719
HORIZONTAL SPREAD	2.696	2.696	2.696
VERTICAL SPREAD	3.614	2.352	2.026
EXTREME SPREAD	3.730	3.234	2.972
NUMBER IN ONE INCH CIRCLE =	3	5	7
NUMBER IN TWO INCH CIRCLE =	5	7	8
NUMBER IN THREE INCH CIRCLE =	7	8	8

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CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 6

3 in = 10

HS= 2.241

VS= 1.958

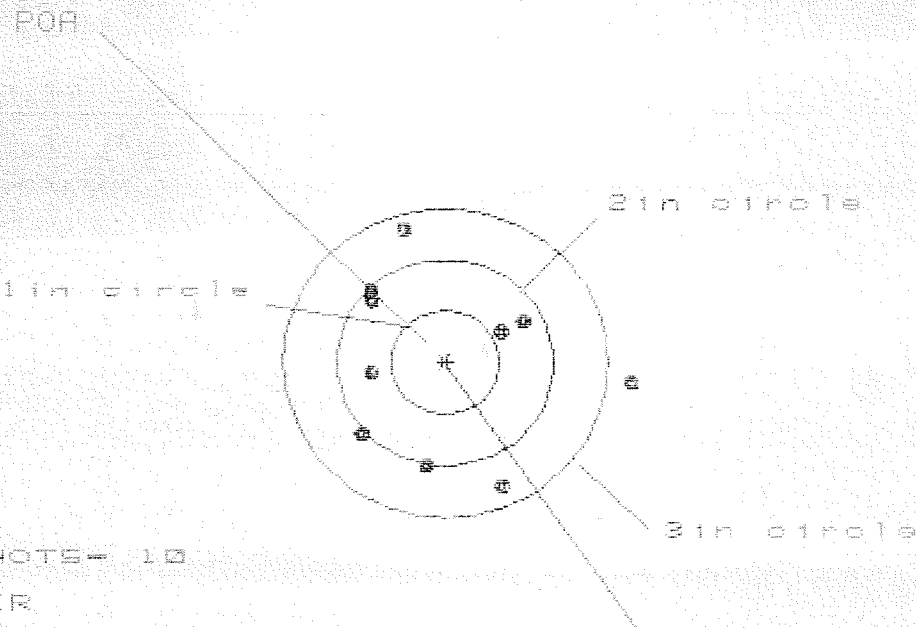
GS= 2.241

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.082	1.110	1.144
MINIMUM X	:	-1.159	-1.131	-1.097
MAXIMUM Y	:	.728	.592	.430
MINIMUM Y	:	-1.230	-1.291	-.955
CENTROID X	:	-.018	-.046	-.080
CENTROID Y	:	.095	.231	.392
POA TO CENTROID (in.)	:	.096	.236	.401
MIN RADIUS	:	.347	.287	.208
MEAN RADIUS	:	.868	.786	.667
MAX RADIUS	:	1.255	1.319	1.161
HORIZONTAL SPREAD	:	2.241	2.241	2.241
VERTICAL SPREAD	:	1.958	1.883	1.886
EXTREME SPREAD	:	2.241	2.241	2.241
NUMBER IN ONE INCH CIRCLE =			1	
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 = 10

2in = 6

3in = 9

HS= 2.459

VS= 2.545

GS= 2.693

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.703	.935	.909
MINIMUM X	:	-.756	-.566	-.592
MAXIMUM Y	:	1.302	1.279	.796
MINIMUM Y	:	-1.243	-1.266	-1.107
CENTROID X	:	-.019	-.209	-.183
CENTROID Y	:	-.001	.022	-.138
POA TO CENTROID in.	:	.019	.210	.229
MIN RADIUS	:	.579	.557	.566
MEAN RADIUS	:	1.047	.946	.902
MAX RADIUS	:	1.716	1.434	1.282
HORIZONTAL SPREAD	:	2.459	1.501	1.501
VERTICAL SPREAD	:	2.545	2.545	1.902
EXTREME SPREAD	:	2.693	2.693	2.248
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	