

C6649217

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

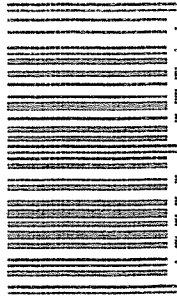
Remington

 		VERY IMPORTANT! Instruction Book enclosed to assure safe use of this firearm.
MODEL 700TH M24		SERIAL NO. C6649217
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.		ORDER NO. 5716



5716 C6649217

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6649217

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	7 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	WB
620	Apply Coatings (Barrel Action)		8-2-91	PS
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		8/9/91	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/9/91	RW
	C) Inspect Ejector Hole for Chamfer		8/9/91	RW
	D) Oil Firing Pin Ass'y		8/9/91	RW
	E) Adjust Trigger Pull to Min Setting and Stake		8-10-91	PS

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	7	6	6			8-12-91	DH
	G) Safety Off Force	3	2 1/2	3			8-12-91	DH
	H) Trigger Pull Test & Retainability						8-10-91	JD
	I) Firing Pin Indent	.020	.020	.020			8-12-91	DH
	J) Assemble Stock						8/12/91	RW
	K) Assemble Swivel Studs						8-14-91	DH
	L) Attach Front and Rear Sight Assemblies						8/12/91	RW
	M) Iron Sight Alignment						8/12/91	RW
	N) Detach Front & Rear Sights & place in numbered container						8/12/91	RW
	O) Attach Scope to Rifle						8/12/91	RW
	P) Detach & Attach Scope 20 Times						8/12/91	RW
640	Gallery Target & Test						8/12/91	KT
	A) Time						"	KT
	B) Malfunctions						"	KT
	C) Pierced Primers						"	KT
	D) Optical Clarity of Scope						"	KT
645	Inspect for Live Ammo						8/12/91	KT
655	Final Inspection							
	A) Headspace						8-14-91	DH
	B) Trigger Pull	2.31	2.27	2.25	2.27	2.32	8-13-91	JD
	C) Function						8-14-91	DH
660	Pack						8-17-91	DH

SWS TRIGGER PULL TEST

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

SERIAL NO. C-6649217

DATE 8-10-91

TESTER JLL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.48	2.46	2.50	2.31	MIN. SETTING. NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.48	2.54	2.53	2.27	
PULL #3	2.44	2.55	2.49	2.25	
PULL #4	2.46	2.53	2.44	2.27	
PULL #5	2.46	2.52	2.51	2.32	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.39	3.41		
PULL #2	3.41	3.41		
PULL #3	3.37	3.44		
PULL #4	3.42	3.48		
PULL #5	3.44	3.47		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.66	4.39		4.47
PULL #2	4.63	4.41		4.58
PULL #3	4.47	4.48		4.43
PULL #4	4.41	4.61		4.57
PULL #5	4.55	4.56		4.50
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6649217
23 Aug 1991

CENTROIDAL DISTANCES

0 TO	1	.417062
1 TO	2	.310846
1 TO	3	.557822
1 TO	4	.409214
1 TO	5	.585137

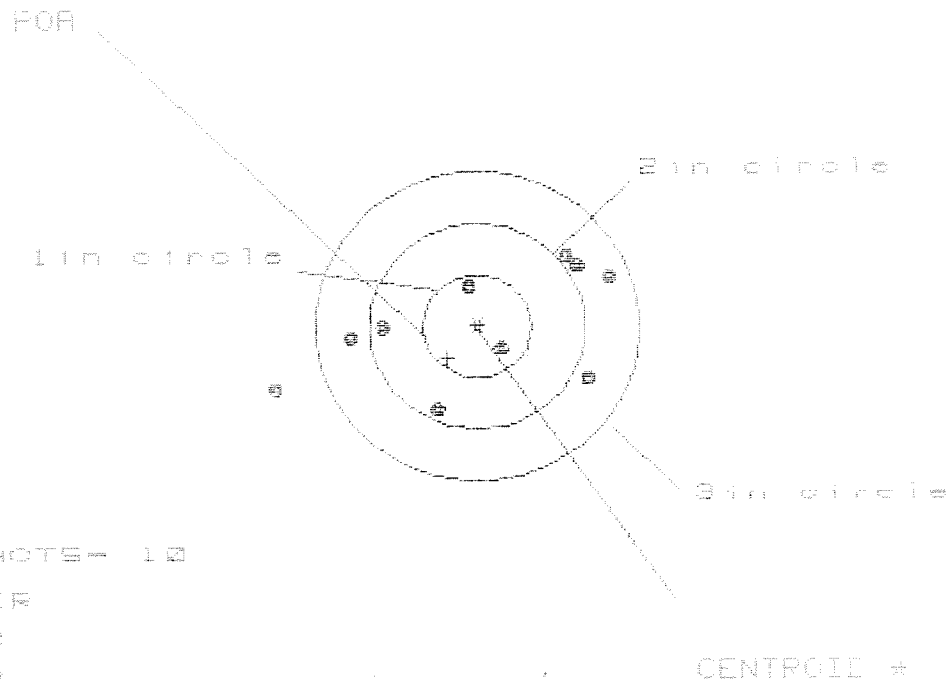
5¹ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0106
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1106
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .111107
THE AMP FOR THIS RIFLE IS: .9912

051

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CENTERFIRE PATTERNS # 1



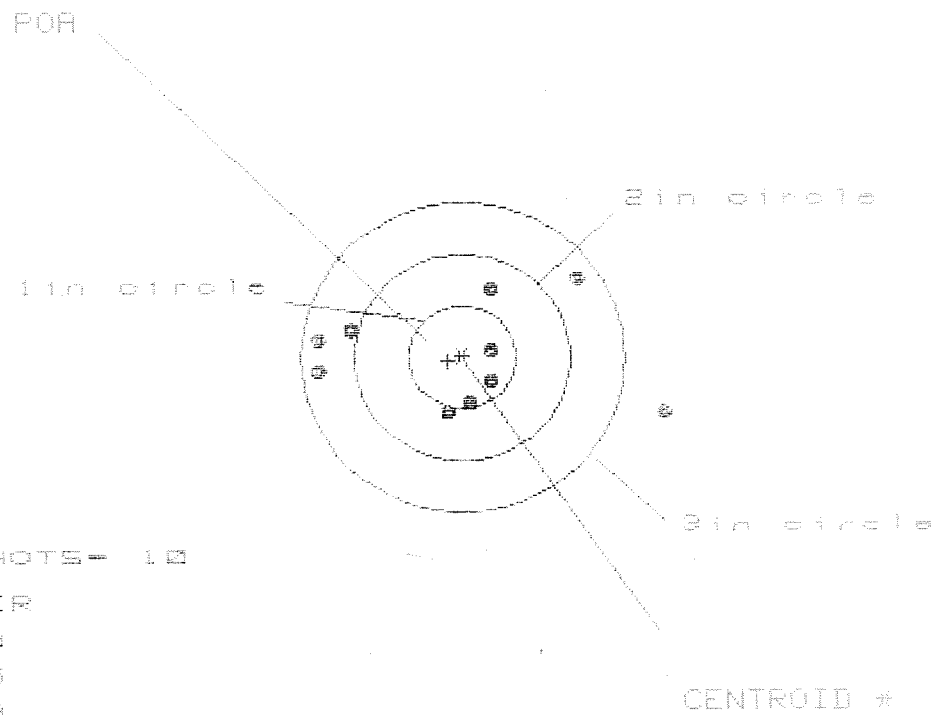
OF SHOTS- 10
IN CIR
1in = 2
2in = 4
3in = 8
HS= 2.112
VS= 1.557
GS= 3.285

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.268	1.063	.993
MINIMUM X	-1.845	-1.386	-1.254
MAXIMUM Y	.722	.659	.716
MINIMUM Y	-.835	-.898	-.841
CENTROID X	.279	.483	.351
CENTROID Y	.310	.373	.316
PER TO CENTROID in.	.417	.610	.472
1IN RADIUS	.284	.257	.242
2IN RADIUS	1.031	.913	.873
3IN RADIUS	1.929	1.399	1.265
HORIZONTAL SPREAD	3.112	2.449	2.247
VERTICAL SPREAD	1.557	1.557	1.557
DIAGONAL SPREAD	3.295	2.530	2.278
PERCENT ONE INCH CIRCLE =		2	
PERCENT TWO INCH CIRCLE =		4	
PERCENT THREE INCH CIRCLE =		9	

27 Aug 1991

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CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 2

2in = 5

3in = 8

HE= 3.156

VS= 1.340

GS= 3.225

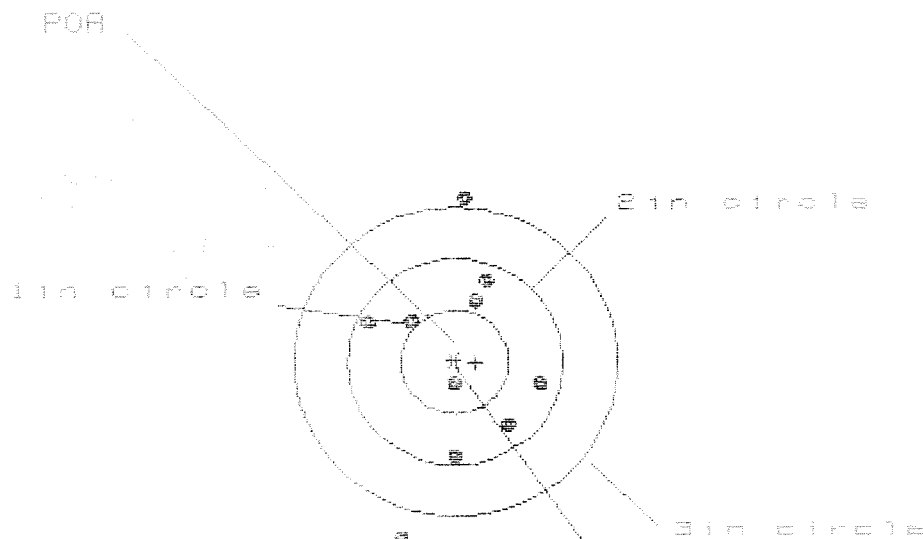
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.838	1.264	.651
MINIMUM X	:	-1.318	-1.114	-.956
MAXIMUM Y	:	.811	.752	.652
MINIMUM Y	:	-.529	-.588	-.494
CENTROID X	:	.136	-.068	-.226
CENTROID Y	:	.034	.893	-.001
POA TO CENTROID in.	:	.148	.115	.227
MIN RADIUS	:	.292	.494	.538
MEAN RADIUS	:	.922	.829	.747
ME: RADIUS	:	1.912	1.471	.979
HORIZONTAL SPREAD	:	3.156	2.378	1.687
VERTICAL SPREAD	:	1.340	1.340	1.146
EXTREME SPREAD	:	3.225	2.577	1.743
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

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CENTERFIRE PATTERNS # 3



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 8

3 in = 8

HE = 1.600

VE = 3.329

GE = 3.393

CENTROID *

PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.749	.687	.692
MINIMUM X	-.852	-.913	-.908
MAXIMUM Y	1.580	1.386	.775
MINIMUM Y	-1.749	-1.113	-.940
CENTROID X	-.190	-.129	-.134
CENTROID Y	.008	.202	.029
POA TO CENTROID in.	.191	.240	.137
MIN RADIUS	.253	.382	.278
MEAN RADIUS	.916	.801	.716
MAX RADIUS	1.834	1.386	.999
HORIZONTAL SPREAD	1.600	1.600	1.600
VERTICAL SPREAD	3.329	2.499	1.715
EXTREME SPREAD	3.393	2.501	1.745
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =		8	
NUMBER IN THREE INCH CIRCLE =		8	

23 Aug 1991

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CENTERFIRE PATTERNS

4

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS = 10

IN CIR

1 in = 1

2 in = 4

3 in = 8

HS = 3.202

VS = 1.783

GS = 3.513

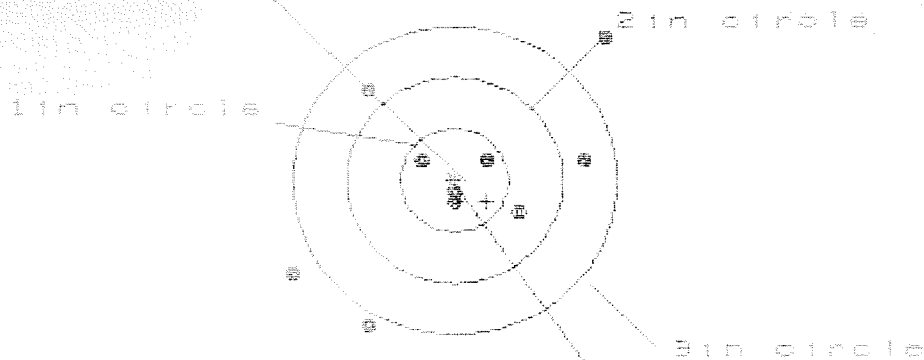
PATTERN #	1	4	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.274	1.058	.940
MINIMUM X	-1.948	-1.153	-1.021
MAXIMUM Y	.829	.879	.766
MINIMUM Y	-.954	-.984	-1.012
CENTROID X	.819	.235	.103
CENTROID Y	-.006	-.056	.057
POA TO CENTROID in.	.020	.242	.118
MIN RADIUS	.468	.509	.539
MEAN RADIUS	1.138	1.019	.970
MAX RADIUS	1.998	1.450	1.381
HORIZONTAL SPREAD	3.222	2.211	1.961
VERTICAL SPREAD	1.783	1.783	1.778
EXTREME SPREAD	3.513	2.840	2.647
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		4	
NUMBER IN THREE INCH CIRCLE =		8	

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CENTERFIRE PATTERNS # 5

POB



OF SHOTS- 10

IN CIR

1in = 4

2in = 5

3in = 7

HE = 2.971

VS = 2.767

GS = 3.794

CENTROID #

PATTERN #			
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.421	1.323	1.149
MINIMUM X	-1.550	-1.392	-1.839
MAXIMUM Y	1.404	1.048	.946
MINIMUM Y	-1.363	-1.207	-1.387
CENTROID X	-.297	-.455	-.281
CENTROID Y	.207	.051	.151
POB TO CENTROID in.	.363	.453	.320
MIN RADIUS	.147	.140	.096
MEAN RADIUS	.949	.848	.701
PP RADIUS	1.998	1.605	1.522
HORIZONTAL SPREAD	2.971	2.715	1.980
VERTICAL SPREAD	2.767	2.255	2.255
EXTREME SPREAD	3.794	2.967	2.589
NUMBER IN ONE INCH CIRCLE =		4	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		7	