

C6649095

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

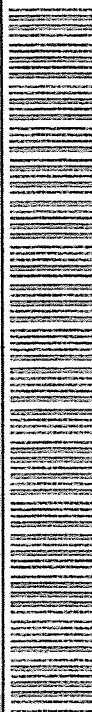
Capacity

Order No. **5715**

*Includes 1 in chamber.

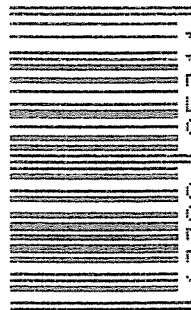
Remington

VERY IMPORTANT: Instruction Book enclosed to assure safe use of this firearm.	
Remington® REG. U.S. PAT. & TM. OFF.	
MODEL 700™ M24	
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.	
SERIAL NO. C6649095	ORDER NO. 5716



5716 C6649095

UPC



0 47700 25716 7

GFM

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

6649095

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		7/24/91	KL
600	Proof		7/24/91	KL
607	Check Headspace		7/24/91	KL
610	Dis-assemble Gun		7/24/91	KL
612	Magnaflux Barrel Action		AUG 7 1991	KR
	Magnaflux Bolt		AUG 7 1991	KR
615	Rollmark Caliber		AUG 7 1991	SS
617	Drill and Tap Sight Holes		AUG 7 1991	FB
618	Polish Barrel		AUG 13 1991	WB
620	Apply Coatings (Barrel Action)		8/27-91	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		8/29/91	KL
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/29/91	KL
	C) Inspect Ejector Hole for Chamfer		8/29/91	KL
	D) Oil Firing Pin Ass'y		8/29/91	KL
	E) Adjust Trigger Pull to Min Setting and Stake		8/30/91	JA

op. #	DESCRIPTION	READINGS					DATE	INITIAL
625 cont.	F) Safety On Force	4	4	4			8/30/91	JK
	G) Safety Off Force	3	3	3			8/30/91	JK
	H) Trigger Pull Test & Retainability						8/30/91	JK
	I) Firing Pin Indent	.0215	.022	.022			8/30/91	JK
	J) Assemble Stock						8/30/91	JK
	K) Assemble Swivel Studs						9-9-91	AC
	L) Attach Front and Rear Sight Assemblies						8/30/91	JK
	M) Iron Sight Alignment						8/30/91	JK
	N) Detach Front & Rear Sights & place in numbered container						8/30/91	JK
	O) Attach Scope to Rifle						8/30/91	JK
	P) Detach & Attach Scope 20 Times						8/30/91	JK
640	Gallery Target & Test						9-3-91	NF
	A) Time						"	NF
	B) Malfunctions						"	NF
	C) Pierced Primers						"	NF
	D) Optical Clarity of Scope						"	NF
645	Inspect for Live Ammo						9-3-91	NF
655	Final Inspection							
	A) Headspace						9-9-91	AC
	B) Trigger Pull	2.54	2.29	2.20	2.25	2.20	9/6/91	JK
	C) Function						9-9-91	AC
660	Pack						9-17-91	JK

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C-6649095

DATE 8/30/91

TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.66	2.54	2.56	2.54	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.51	2.49	2.55	2.29	
PULL #3	2.48	2.46	2.44	2.20	
PULL #4	2.49	2.55	2.53	2.25	
PULL #5	2.47	2.56	2.50	2.20	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.48	3.46		
PULL #2	3.44	3.45		
PULL #3	3.52	3.46		
PULL #4	3.50	3.50		
PULL #5	3.54	3.42		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.29	4.38		4.40
PULL #2	4.23	4.32		4.38
PULL #3	4.20	4.25		4.38
PULL #4	4.40	4.27		4.47
PULL #5	4.36	4.28		4.14
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6649095
4 Sep 1991

CENTROIDAL DISTANCES

0 TO 1	.089202
1 TO 2	.495219
1 TO 3	.357241
1 TO 4	.561008
1 TO 5	.543023

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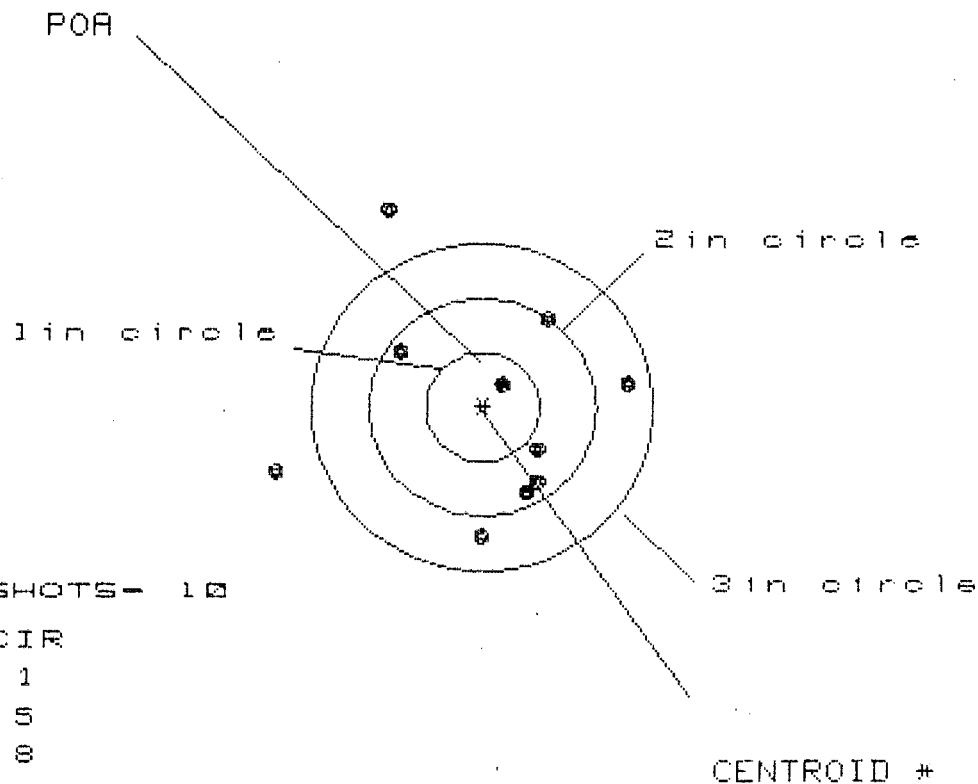
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0042
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1706
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .170652

THE AMR FOR THIS RIFLE IS: 1.002

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CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 5

3 in = 8

HS= 3.0000

VS= 3.031

GS= 3.198

CENTROID *

PATTERN #	:	3	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.293	1.203	.968
MINIMUM X	:	-1.787	-1.877	-1.089
MAXIMUM Y	:	1.856	1.028	.977
MINIMUM Y	:	-1.175	-.968	-1.019
CENTROID X	:	-.180	-.090	.145
CENTROID Y	:	-.216	-.423	-.372
POA TO CENTROID in.:	:	.282	.432	.399
MIN RADIUS	:	.249	.384	.237
MEAN RADIUS	:	1.086	.941	.773
MAX RADIUS	:	2.026	1.921	1.283
HORIZONTAL SPREAD	:	3.080	3.080	2.058
VERTICAL SPREAD	:	3.031	1.996	1.996
EXTREME SPREAD	:	3.198	3.198	2.076
NUMBER IN ONE INCH CIRCLE =	:	1		
NUMBER IN TWO INCH CIRCLE =	:	5		
NUMBER IN THREE INCH CIRCLE =	:	8		

Sep 1991

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CENTERFIRE PATTERNS # 4

POR

1in circle

2in circle

3in circle

OF SHOTS- 10

IN CIR

1in = 2

2in = 4

3in = 9

HS= 2.543

VS= 2.303

GS= 2.742

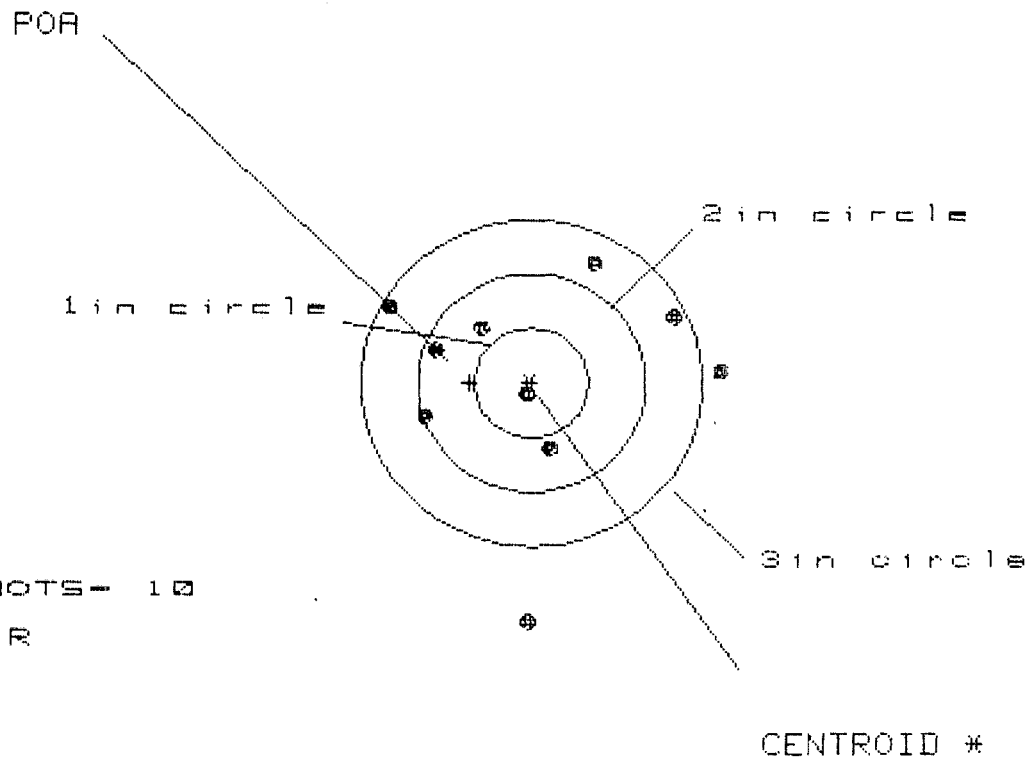
CENTROID *

PATTERN #	:	4	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.115	1.232	1.069
MINIMUM X	:	-1.428	-1.311	-.768
MAXIMUM Y	:	1.149	1.021	1.006
MINIMUM Y	:	-1.154	-1.180	-1.196
CENTROID X	:	.009	-.108	.056
CENTROID Y	:	-.472	-.344	-.328
POR TO CENTROID in.	:	.472	.360	.333
MIN RADIUS	:	.375	.406	.250
MEAN RADIUS	:	1.001	.921	.831
MAX RADIUS	:	1.565	1.316	1.374
HORIZONTAL SPREAD	:	2.543	2.543	1.837
VERTICAL SPREAD	:	2.303	2.201	2.201
EXTREME SPREAD	:	2.742	2.544	2.214
NUMBER IN ONE INCH CIRCLE	=	2		
NUMBER IN TWO INCH CIRCLE	=	4		
NUMBER IN THREE INCH CIRCLE	=	9		

3 Sep 1991

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CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 5

3 in = 8

HS= 2.870

VS= 3.266

GS= 3.331

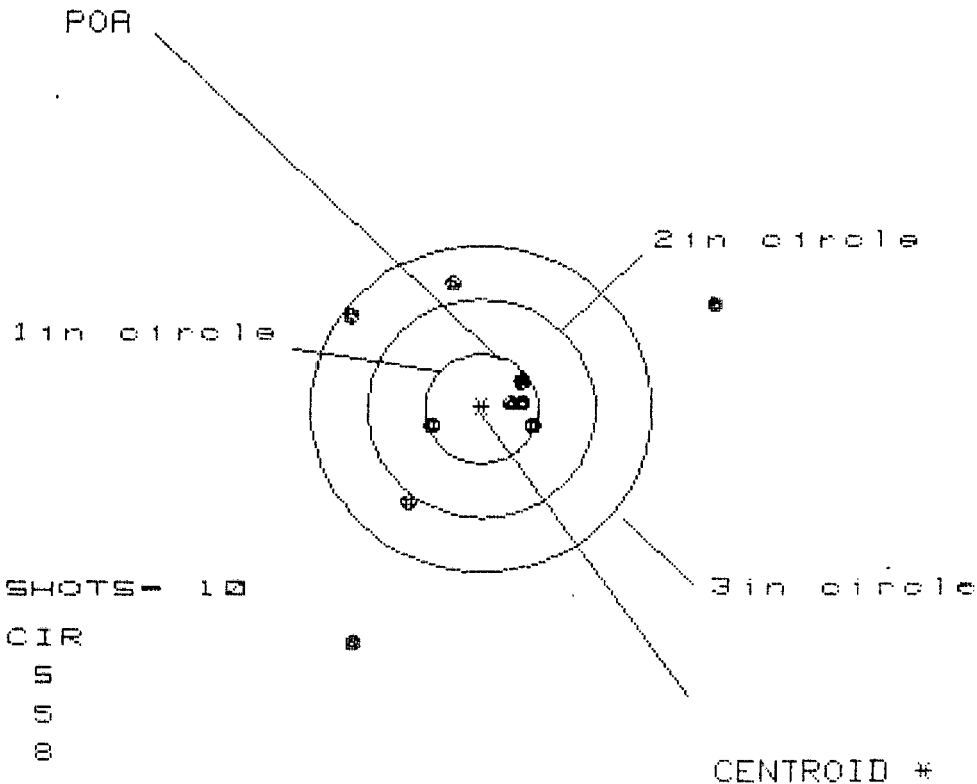
CENTROID *

PATTERN #	5	5	5
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.660	1.651	1.415
MINIMUM X	-1.210	-1.219	-1.013
MAXIMUM Y	1.110	.870	.853
MINIMUM Y	-2.156	-.833	-.850
CENTROID X	.541	.550	.344
CENTROID Y	-.004	.236	.253
POA TO CENTROID in.	.541	.599	.427
MIN RADIUS	.126	.363	.358
MEAN RADIUS	1.107	.992	.869
MAX RADIUS	2.158	1.657	1.447
HORIZONTAL SPREAD	2.870	2.870	2.428
VERTICAL SPREAD	3.266	1.703	1.703
EXTREME SPREAD	3.331	2.925	2.430
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	8		

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CENTERFIRE PATTERNS # 2



OF SHOTS - 10

IN CIR

1 in = 5

2 in = 5

3 in = 8

HS = 3.225

VS = 3.327

GS = 4.516

CENTROID *

PATTERN #	2	2	2
SHOTS (BEST OF)	10	9	8
MAXIMUM X	2.093	1.967	.592
MINIMUM X	-1.132	-1.256	-1.010
MAXIMUM Y	1.152	.911	1.004
MINIMUM Y	-2.175	-1.058	-.965
CENTROID X	-.355	-.229	-.475
CENTROID Y	-.250	-.009	-.102
POR TO CENTROID in.	.434	.229	.486
MIN RADIUS	.269	.219	.389
MEAN RADIUS	1.044	.866	.730
MAX RADIUS	2.452	2.103	1.215
HORIZONTAL SPREAD	3.225	3.223	1.602
VERTICAL SPREAD	3.327	1.969	1.969
EXTREME SPREAD	4.516	3.304	2.021
NUMBER IN ONE INCH CIRCLE =	5		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	8		

Sep 1991

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CENTERFIRE PATTERNS # 1

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS- 10

IN CIR

1 in = 3

2 in = 7

3 in = 9

HS= 2.661

VS= 2.135

GS= 2.712

PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.594	.713	.756
MINIMUM X	:	-1.067	-.890	-.847
MAXIMUM Y	:	1.166	1.123	.344
MINIMUM Y	:	-.969	-1.012	-.872
CENTROID X	:	.006	-.171	-.214
CENTROID Y	:	.089	.132	-.009
POA TO CENTROID in.	:	.089	.216	.214
MIN RADIUS	:	.131	.252	.228
MEAN RADIUS	:	.774	.689	.615
MAX RADIUS	:	1.640	1.175	.880
HORIZONTAL SPREAD	:	2.661	1.603	1.603
VERTICAL SPREAD	:	2.135	2.135	1.215
EXTREME SPREAD	:	2.712	2.158	1.603
NUMBER IN ONE INCH CIRCLE	=	3		
NUMBER IN TWO INCH CIRCLE	=	7		
NUMBER IN THREE INCH CIRCLE	=	9		