

C6611664

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



Remington
MODEL 700™ M24

VERY IMPORTANT:
Instruction Book
enclosed to assure
safe use of this
firearm.

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

SERIAL NO.
C6611664

ORDER NO.
5716

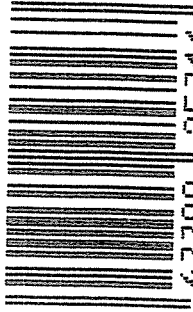
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.

20



5716 C6611664

UPC



0 47700 25716 2

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C 6611664

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		3/19/91	K.S.
600	Proof		3/19/91	K.S.
607	Check Headspace		3/19/91	K.S.
610	Dis-assemble Gun		3/19/91	K.S.
612	Magnaflux Barrel Action		3/28/91	KR
	Magnaflux Bolt		"	KR
615	Rollmark Caliber		3/28/91	JS
617	Drill and Tap Sight Holes	APR	3 1991	W.B.
618	Polish Barrel	APR	3 1991	W.B.
620	Apply Coatings (Barrel Action)		4-19-91	JS
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		4/26/91	K.S.
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		4/26/91	K.S.
	C) Inspect Ejector Hole for Chamfer		4/26/91	K.S.
	D) Oil Firing Pin Ass'y		4/26/91	K.S.
	E) Adjust Trigger Pull to Min Setting and Stake		4/29/91	JS

op. #	BARBER - M24 0034024	READINGS					DATE	INIT
625 cont.	F) Safety On Force	8	8	8			4/30/91	98
	G) Safety Off Force	4	4	4			4/30/91	98
	H) Trigger Pull Test & Retainability						4/29/91	98
	I) Firing Pin Indent	1022	1022	1022			4/30/91	98
	J) Assemble Stock						4/30/91	KS
	K) Assemble Swivel Studs						5-13-91	AC
	L) Attach Front and Rear Sight Assemblies						4/30/91	KS
	M) Iron Sight Alignment						4/30/91	KS
	N) Detach Front & Rear Sights & place in numbered container						4/30/91	KS
	O) Attach Scope to Rifle						4/30/91	KS
	P) Detach & Attach Scope 20 Times						4/30/91	KS
640	Gallery Target & Test						5-1-91	DH
	A) Time						5-1-91	DH
	B) Malfunctions						5-1-91	DH
	C) Pierced Primers						5-1-91	DH
	D) Optical Clarity of Scope						5-1-91	DH
645	Inspect for Live Ammo						5-1-91	DH
655	Final Inspection							
	A) Headspace						5-13-91	AC
	B) Trigger Pull	2.34	2.30	2.34	2.36	2.25	5/10/91	98
	C) Function						5-13-91	AC
660	Pack						5-19-91	AC

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C-6611664

DATE 4/29/91

TESTER JU

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.52	2.30	2.37	2.34	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.49	2.30	2.37	2.30	
PULL #3	2.42	2.26	2.40	2.34	
PULL #4	2.55	2.23	2.38	2.36	
PULL #5	2.45	2.36	2.41	2.25	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.33	3.31		
PULL #2	3.20	3.37		
PULL #3	3.39	3.39		
PULL #4	3.39	3.39		
PULL #5	3.41	3.20		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.22	4.29		4.27
PULL #2	4.28	4.29		4.28
PULL #3	4.31	4.19		4.24
PULL #4	4.28	4.29		4.25
PULL #5	4.22	4.29		4.26
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6611664
1 May 1991

CENTROIDAL DISTANCES

0 TO	1	.745399
1 TO	2	.720209
1 TO	3	.126732
1 TO	4	.236932
1 TO	5	.678357

7.48 <----POA

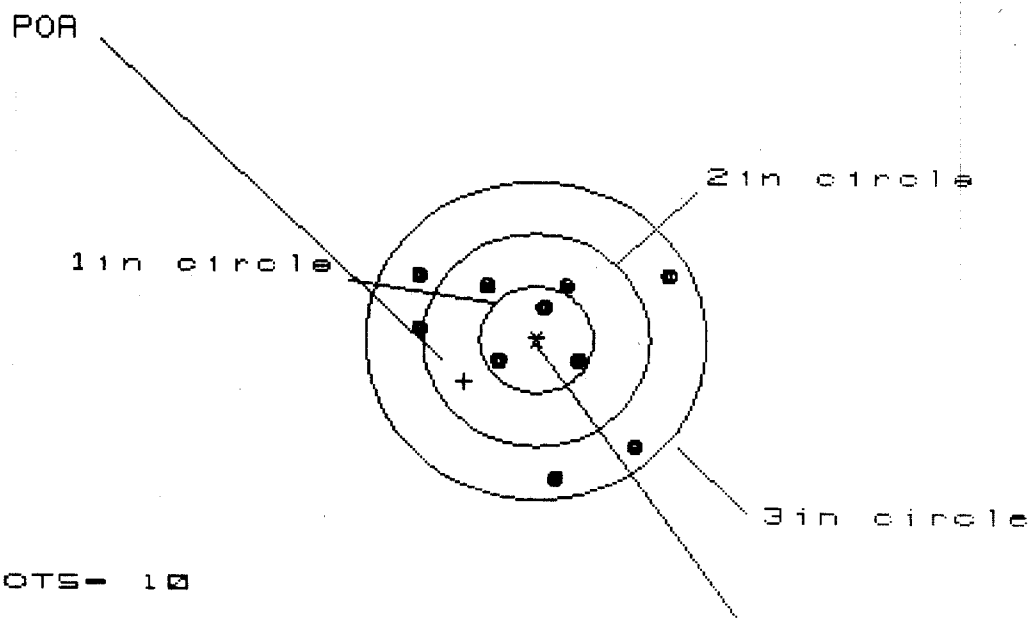
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .4422
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1596
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .47012

THE AMR FOR THIS RIFLE IS: .8836

1 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611664

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 3

2in = 5

3in = 10

HS= 2.239

VS= 1.884

GS= 2.533

PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.156	1.253	.626
MINIMUM X	:	-1.083	-.986	-.829
MAXIMUM Y	:	.642	.531	.588
MINIMUM Y	:	-1.242	-1.353	-1.296
CENTROID X	:	.634	.537	.380
CENTROID Y	:	.392	.503	.447
POA TO CENTROID in.	:	.745	.735	.586
MIN RADIUS	:	.293	.224	.233
MEAN RADIUS	:	.850	.777	.705
MAX RADIUS	:	1.324	1.381	1.367
HORIZONTAL SPREAD	:	2.239	2.239	1.455
VERTICAL SPREAD	:	1.884	1.884	1.884
EXTREME SPREAD	:	2.533	2.277	2.255
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		10	

1 May 1991

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CENTERFIRE PATTERNS

2

POA

1in circle

2in circle

3in circle

OF SHOTS- 10

IN CIR

1in = 1

2in = 3

3in = 6

HS= 2.865

VS= 3.013

GS= 3.203

CENTROID *

PATTERN #

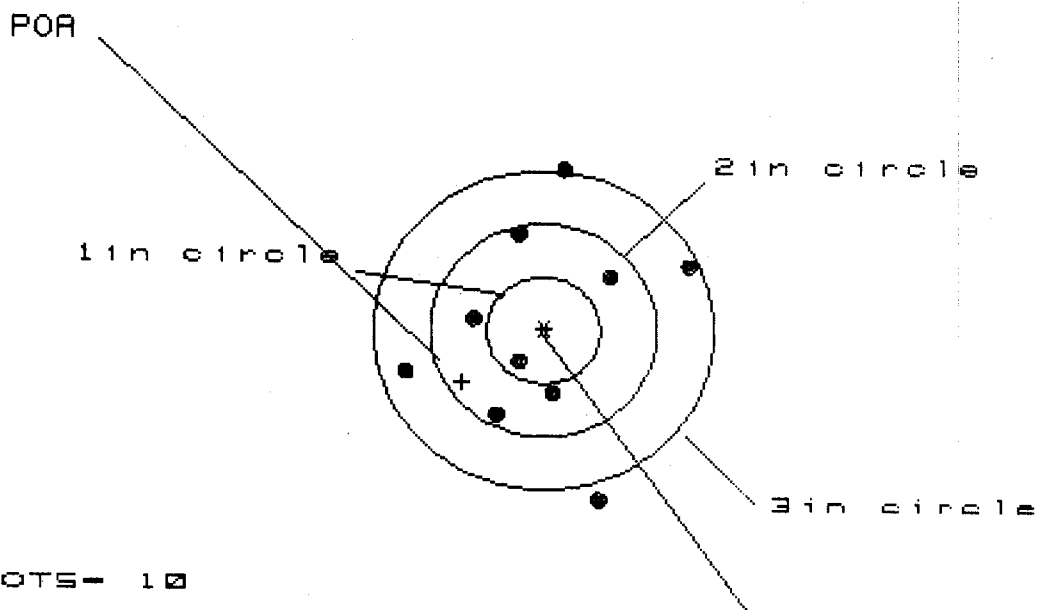
SHOTS (BEST OF)

	10	9	8
MAXIMUM X	1.526	1.378	1.514
MINIMUM X	-1.339	-1.421	-1.285
MAXIMUM Y	1.503	1.335	1.199
MINIMUM Y	-1.510	-1.093	-1.025
CENTROID X	.199	.347	.211
CENTROID Y	-.182	-.014	.122
POA TO CENTROID in.	.270	.348	.244
MIN RADIUS	.176	.247	.193
MEAN RADIUS	1.181	1.087	1.017
MAX RADIUS	2.018	1.542	1.584
HORIZONTAL SPREAD	2.865	2.799	2.799
VERTICAL SPREAD	3.013	2.428	2.224
EXTREME SPREAD	3.203	2.890	2.878
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		3	
NUMBER IN THREE INCH CIRCLE =		6	

1 May 1991

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CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 1

2in = 6

3in = 8

HS= 2.431

VS= 3.079

GS= 3.095

CENTROID *

PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.253	1.309	1.340
MINIMUM X	:	-1.178	-1.122	-1.091
MAXIMUM Y	:	1.529	1.357	.876
MINIMUM Y	:	-1.550	-.938	-.769
CENTROID X	:	.719	.663	.632
CENTROID Y	:	.486	.658	.489
POA TO CENTROID in.	:	.868	.934	.799
MIN RADIUS	:	.422	.524	.376
MEAN RADIUS	:	.999	.927	.838
MAX RADIUS	:	1.631	1.379	1.454
HORIZONTAL SPREAD	:	2.431	2.431	2.431
VERTICAL SPREAD	:	3.079	2.295	1.645
EXTREME SPREAD	:	3.095	2.599	2.599
NUMBER IN ONE INCH CIRCLE =	:	1		
NUMBER IN TWO INCH CIRCLE =	:	6		
NUMBER IN THREE INCH CIRCLE =	:	8		

1 May 1991

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CENTERFIRE PATTERNS

4

POA

1 in circle

2 in circle

3 in circle

* OF SHOTS- 10

* IN CIR

1 in - 5

2 in - 8

3 in - 10

HS= 2.390

VS= 1.269

GS= 2.400

CENTROID *

PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.404	.711	.607
MINIMUM X	:	-.986	-.830	-.446
MAXIMUM Y	:	.836	.835	.807
MINIMUM Y	:	-.433	-.434	-.462
CENTROID X	:	.463	.307	.411
CENTROID Y	:	.228	.229	.257
POA TO CENTROID in.	:	.516	.383	.485
MIN RADIUS	:	.180	.192	.202
MEAN RADIUS	:	.578	.473	.417
MAX RADIUS	:	1.404	.859	.808
HORIZONTAL SPREAD	:	2.390	1.541	1.053
VERTICAL SPREAD	:	1.269	1.269	1.269
EXTREME SPREAD	:	2.400	1.545	1.359
NUMBER IN ONE INCH CIRCLE	=		5	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		10	

1 May 1991

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CENTERFIRE PATTERNS # 5

POA

1in circle

2in circle

3in circle

CENTROID *

* OF SHOTS- 10

* IN CIR

1in = 2

2in = 6

3in = 10

HS= 2.174

VS= 1.838

GS= 2.358

PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.006	.917	.760
MINIMUM X	:	-1.168	-1.257	-.774
MAXIMUM Y	:	.749	.628	.627
MINIMUM Y	:	-1.089	-.971	-.972
CENTROID X	:	.196	.285	.442
CENTROID Y	:	-.126	-.005	-.004
POA TO CENTROID in.	:	.233	.285	.442
MIN RADIUS	:	.086	.109	.195
MEAN RADIUS	:	.810	.727	.669
MAX RADIUS	:	1.353	1.257	1.023
HORIZONTAL SPREAD	:	2.174	2.174	1.534
VERTICAL SPREAD	:	1.838	1.599	1.599
EXTREME SPREAD	:	2.358	2.196	1.717
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	