

C6636231

MODEL 700TM M24

Model **SMS**TM

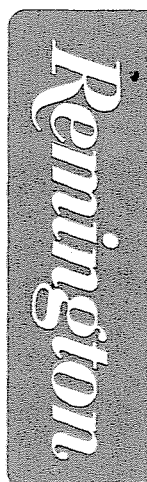
Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



Remington®



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

MODEL 700™ M24

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

06

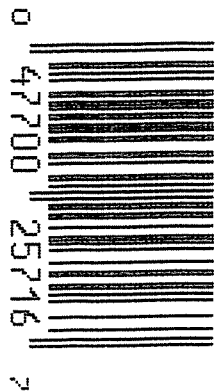
SERIAL NO.
C6636231

ORDER NO.
5716

5716 C6636231



UPC



CONTRACT # DAAA21-87-C-0086

GUN SERIAL # 06636231

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	4 30 91		RW
600	Proof	4 30 91		RW
607	Check Headspace	30 91		RW
610	Dis-assemble Gun	4 30 91		RW
612	Magnaflux Barrel Action	5 6 9		1 KCR
	Magnaflux Bolt	5 6 9		1 WCB
615	Rollmark Caliber	5 6 9		1 GB
617	Drill and Tap Sight Holes	5 10 9		FWB
618	Polish Barrel	5 10 9		WB
620	Apply Coatings (Barrel Action)		5/30/91	☒
	Apply Coating (Bolt)		5/30/91	☒
625	Final Assembly			
	A) Clean inside of Bolt Assembly		5/30/91	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/30/91	RW
	C) Inspect Ejector Hole for Chamfer		5/30/91	RW
	D) Oil Firing Pin Ass'y		5/30/91	RW
	E) Adjust Trigger Pull to Min Setting and Stake		6/6/91	WB

Op. #	BARBER M24 0032000	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5 1/4	5 1/2	5 1/4			6/6/91	WB
	G) Safety Off Force	2 1/4	2 1/4	2 1/4			6/6/91	WB
	H) Trigger Pull Test & Retainability						6/6/91	WB
	I) Firing Pin Indent	.022	.024	.023			6/6/91	WB
	J) Assemble Stock						6/6/91	RW
	K) Assemble Swivel Studs						6-14-91	RU
	L) Attach Front and Rear Sight Assemblies						6/6/91	RW
	M) Iron Sight Alignment						6/6/91	RW
	N) Detach Front & Rear Sights & place in numbered container						6/6/91	RW
	O) Attach Scope to Rifle						6/6/91	RW
	P) Detach & Attach Scope 20 Times						6/6/91	RW
640	Gallery Target & Test						6/6/91	KT
	A) Time						"	KT
	B) Malfunctions						"	KT
	C) Pierced Primers						"	KT
	D) Optical Clarity of Scope						"	KT
645	Inspect for Live Ammo						6/6/91	KT
655	Final Inspection							
	A) Headspace						6-14-91	RU
	B) Trigger Pull	2.67	2.68	2.72	2.70	2.70	6-13-91	RU
	C) Function						6-14-91	RU
660	Pack						6-19-91	RF

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6636231

DATE 6/6/91

TESTER WB

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.38	2.32	2.58	2.67	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.34	2.26	2.58	2.68	
PULL #3	2.34	2.22	2.63	2.72	
PULL #4	2.34	2.21	2.50	2.70	
PULL #5	2.32	2.22	2.61	2.70	
TOTAL	11.69	11.23	12.90		
AVG.	2.34	2.24	2.58		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.19	3.30		
PULL #2	3.19	3.28		
PULL #3	3.30	3.25		
PULL #4	3.06	3.38		
PULL #5	3.30	3.36		
TOTAL	16.04	16.57		
AVG.	3.21	3.31		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.30	4.53		4.29
PULL #2	4.28	4.53		4.17
PULL #3	4.32	4.48		4.00
PULL #4	4.35	4.53		4.29
PULL #5	4.35	4.52		4.27
TOTAL	22.60	22.59		21.02
AVG.	4.52	4.52		4.20

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06636231
6 Jun 1991

CENTROIDAL DISTANCES

0 TO	1	.469596
1 TO	2	.861944
1 TO	3	.845619
1 TO	4	.559057
1 TO	5	.564745

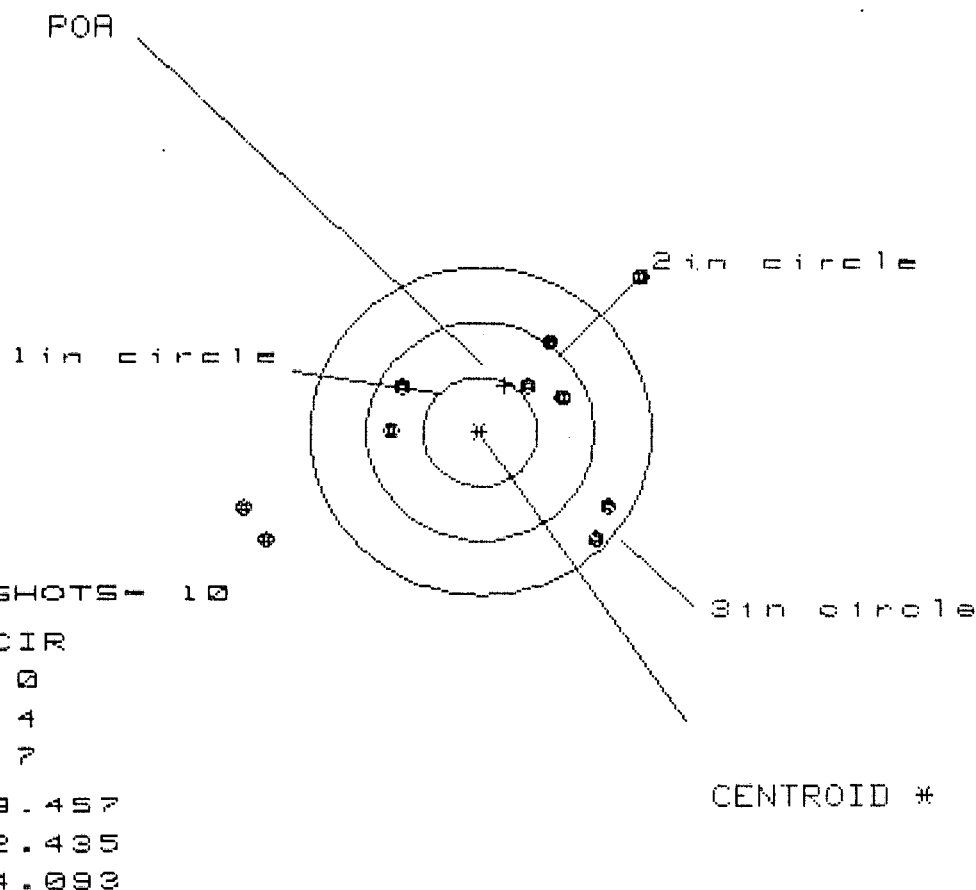
$\frac{4}{10} \cdot 2$ <----POA
1

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0422
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0562
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .07028
THE AMR FOR THIS RIFLE IS: 1.04

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CENTERFIRE PATTERNS # 1

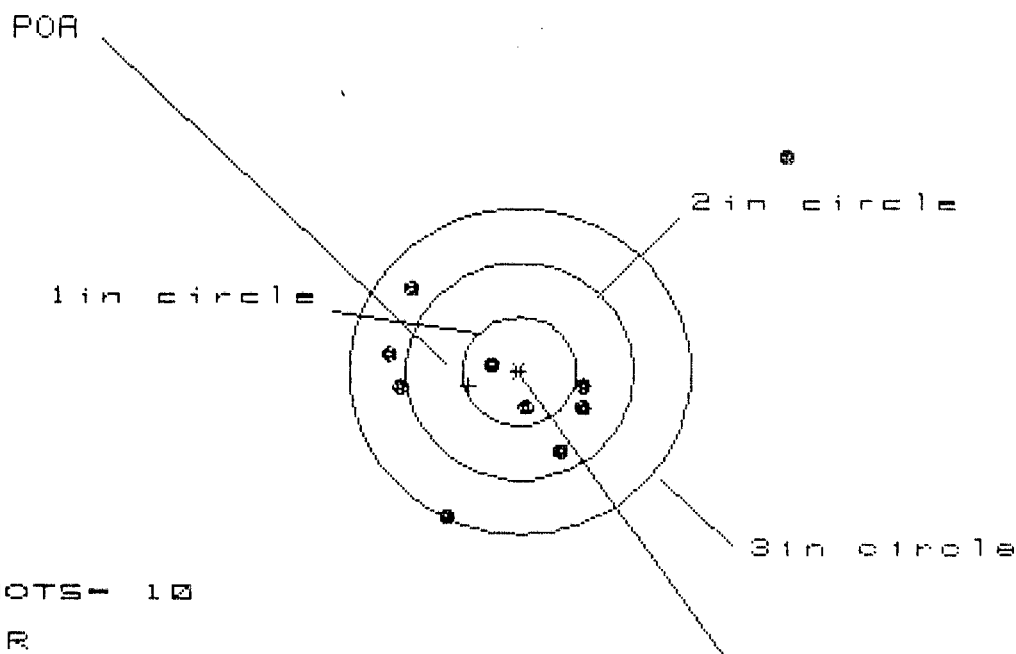


PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.417	1.190	.927
MINIMUM X	-2.040	-2.103	-1.264
MAXIMUM Y	1.407	1.334	1.198
MINIMUM Y	-1.028	-1.101	-1.238
CENTROID X	-.214	.013	.276
CENTROID Y	-.418	-.345	-.208
POR TO CENTROID in.	.470	.346	.346
MIN RADIUS	.569	.361	.169
MEAN RADIUS	1.313	1.172	.951
MAX RADIUS	2.143	2.371	1.514
HORIZONTAL SPREAD	3.457	3.293	2.191
VERTICAL SPREAD	2.435	2.435	2.435
EXTREME SPREAD	4.093	4.093	2.601
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	7		

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CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 5

3 in = 9

HS= 3.437

VS= 3.326

GS= 4.436

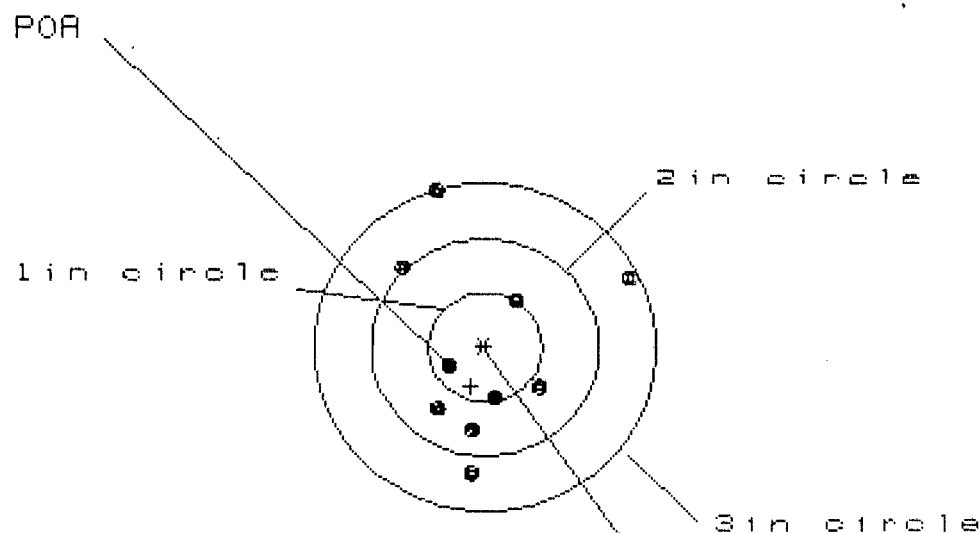
CENTROID *

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	2.330	.823	.780
MINIMUM X	:	-1.107	-.848	-.891
MAXIMUM Y	:	1.993	.985	.846
MINIMUM Y	:	-1.333	-1.111	-.684
CENTROID X	:	.448	.189	.232
CENTROID Y	:	.134	-.088	.051
POA TO CENTROID in.	:	.467	.208	.237
MIN RADIUS	:	.237	.319	.178
MEAN RADIUS	:	1.052	.802	.737
MAX RADIUS	:	3.067	1.214	1.132
HORIZONTAL SPREAD	:	3.437	1.671	1.671
VERTICAL SPREAD	:	3.326	2.096	1.530
EXTREME SPREAD	:	4.436	2.127	2.029
NUMBER IN ONE INCH CIRCLE	=		2	
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 = 2

2 in = 7

3 in = 9

HS = 1.954

VS = 2.598

GS = 2.607

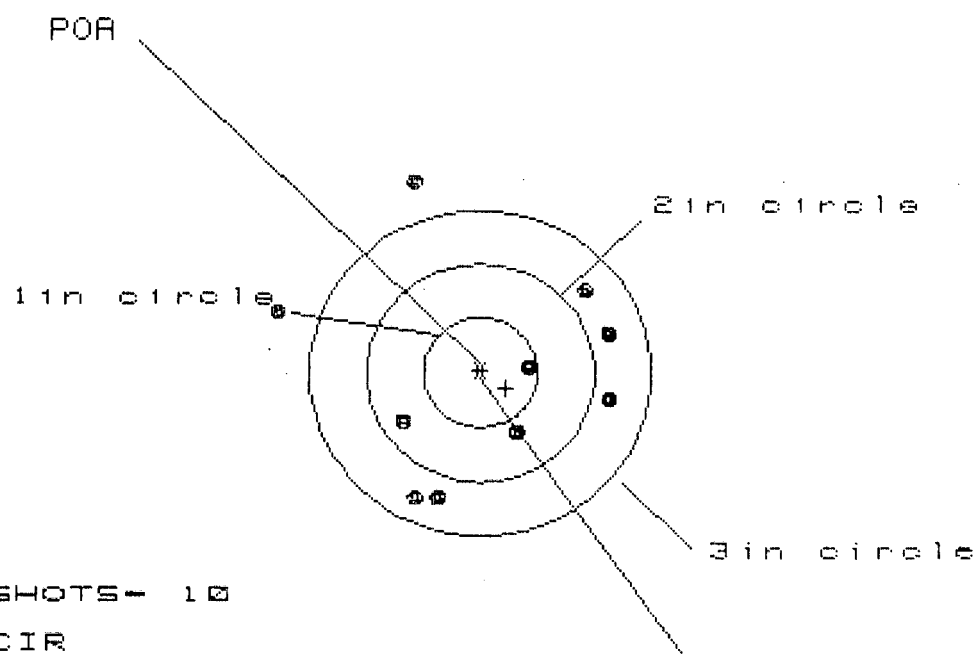
CENTROID *

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.255	1.213	.601
MINIMUM X	:	-.699	-.741	-.589
MAXIMUM Y	:	1.488	.878	.981
MINIMUM Y	:	-1.110	-.945	-.842
CENTROID X	:	.122	.164	.012
CENTROID Y	:	.358	.193	.090
POA TO CENTROID in.	:	.378	.253	.091
MIN RADIUS	:	.383	.256	.231
MEAN RADIUS	:	.844	.728	.600
MAX RADIUS	:	1.534	1.466	1.145
HORIZONTAL SPREAD	:	1.954	1.954	1.190
VERTICAL SPREAD	:	2.598	1.823	1.823
EXTREME SPREAD	:	2.607	2.263	1.901
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

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CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 3

3 in = 8

HS= 2.928

VS= 2.898

GS= 3.016

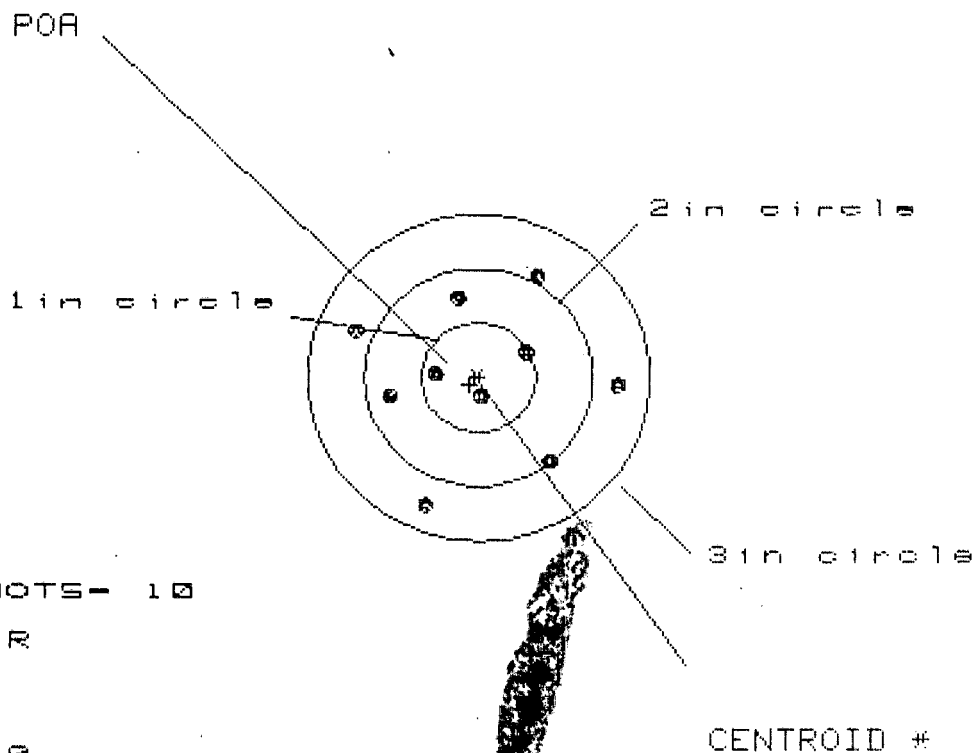
CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.125	.925	.827
MINIMUM X	:	-1.803	-.854	-.952
MAXIMUM Y	:	1.757	1.817	1.045
MINIMUM Y	:	-1.141	-1.081	-.854
CENTROID X	:	-.222	-.022	.076
CENTROID Y	:	.141	.081	-.146
POA TO CENTROID in.	:	.263	.084	.164
MIN RADIUS	:	.456	.268	.306
MEAN RADIUS	:	1.162	1.033	.876
MAX RADIUS	:	1.881	1.977	1.234
HORIZONTAL SPREAD	:	2.928	1.779	1.779
VERTICAL SPREAD	:	2.898	2.898	1.899
EXTREME SPREAD	:	3.016	2.906	2.427
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		8	

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CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 3

2in = 6

3in = 10

HS= 2.288

VS= 2.105

GS= 2.351

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.216	1.162	.724
MINIMUM X	:	-1.072	-1.126	-.981
MAXIMUM Y	:	.919	.787	.757
MINIMUM Y	:	-1.186	-.897	-.927
CENTROID X	:	.077	.131	-.014
CENTROID Y	:	.066	.198	.228
POA TO CENTROID in.	:	.102	.238	.229
MIN RADIUS	:	.209	.333	.306
MEAN RADIUS	:	.829	.773	.708
MAX RADIUS	:	1.283	1.186	1.176
HORIZONTAL SPREAD	:	2.288	2.288	1.705
VERTICAL SPREAD	:	2.105	1.684	1.684
EXTREME SPREAD	:	2.351	2.350	2.081
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	