

C6636219

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

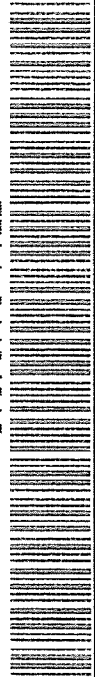
Remington



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.



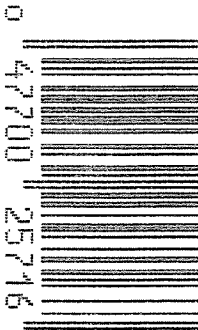
5716 C6636219

20

SERIAL NO.
C6636219

ORDER NO.
5716

UPC



0 47700 25716 2

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6636219

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	4 30	91	RW
610	Dis-assemble Gun	4 30	91	RW
612	Magnaflux Barrel Action	5 6	91	KCD
	Magnaflux Bolt	5 6	91	KCD
615	Rollmark Caliber	5 6	91	GB
617	Drill and Tap Sight Holes	5 10	91	LB
618	Polish Barrel	5 10	91	LB
620	Apply Coatings (Barrel Action)		5-30-91	TA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		6/19/91	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		6/19/91	RW
	C) Inspect Ejector Hole for Chamfer		6/19/91	RW
	D) Oil Firing Pin Ass'y		6/19/91	RW
	E) Adjust Trigger Pull to Min Setting and Stake		7-16-91	RW

op. #	BARBER NAME M24 0031873	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			7-17-91	JH
	G) Safety Off Force	5	5	5			7-17-91	JH
	H) Trigger Pull Test & Retainability						7-16-91	JH
	I) Firing Pin Indent	.0205	.020	.020			7-17-91	JH
	J) Assemble Stock						7/19/91	RW
	K) Assemble Swivel Studs						7-23-91	D/H
	L) Attach Front and Rear Sight Assemblies						7/19/91	RW
	M) Iron Sight Alignment						7/19/91	RW
	N) Detach Front & Rear Sights & place in numbered container						7/19/91	RW
	O) Attach Scope to Rifle						7/19/91	RW
	P) Detach & Attach Scope 20 Times						7/19/91	RW
640	Gallery Target & Test						7-22-91	D/H
	A) Time						7-22-91	D/H
	B) Malfunctions						7-22-91	D/H
	C) Pierced Primers						7-22-91	D/H
	D) Optical Clarity of Scope						7-22-91	D/H
645	Inspect for Live Ammo						7-22-91	D/H
655	Final Inspection							
	A) Headspace						7-23-91	D/H
	B) Trigger Pull	2.36	2.36	2.42	2.42	2.45	7-23-91	JH
	C) Function						7-23-91	D/H
660	Pack						9-18-91	AF

SWS TRIGGER PULL TEST

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

SERIAL NO. C-6636219DATE 7-16-91TESTER JL.

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.52	2.39	2.40	2.36	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.38	2.41	2.44	2.36	
PULL #3	2.22	2.29	2.33	2.42	
PULL #4	2.39	2.37	2.36	2.42	
PULL #5	2.27	2.39	2.36	2.45	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.66	3.62		
PULL #2	3.41	3.23		
PULL #3	3.36	3.31		
PULL #4	3.50	3.20		
PULL #5	3.28	3.33		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.49	4.40		4.49
PULL #2	4.49	4.31		4.45
PULL #3	4.26	4.47		4.36
PULL #4	4.41	4.39		4.36
PULL #5	4.47	4.19		4.50
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6636219
23 Jul 1991

CENTROIDAL DISTANCES

0 TO 1	.228974
1 TO 2	.0428019
1 TO 3	.333492
1 TO 4	.237143
1 TO 5	.471785

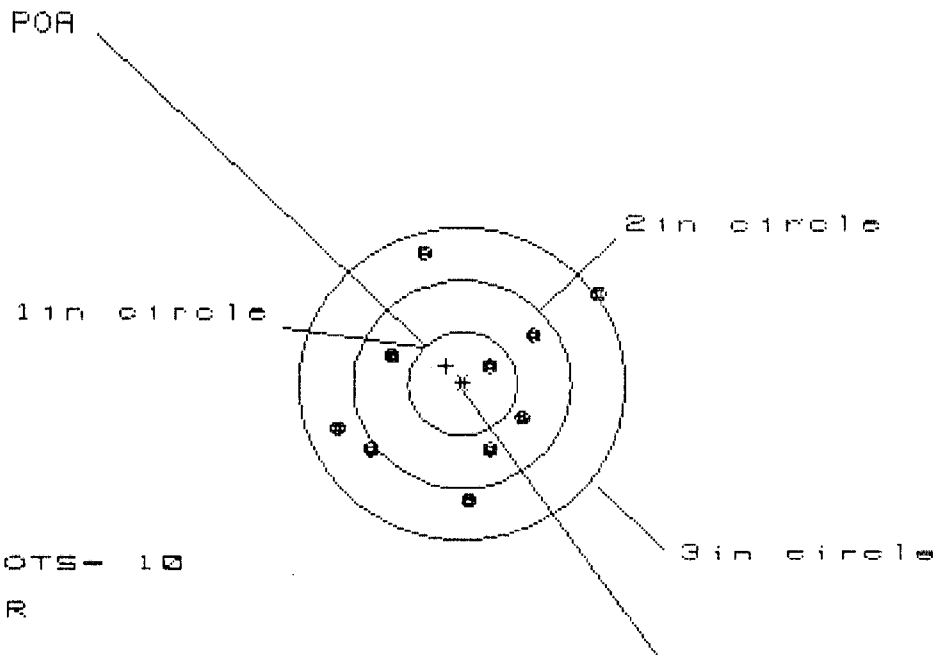
$\frac{5}{4}$ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .2252
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0588
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .23275
THE AMR FOR THIS RIFLE IS: .8512

23 Jul 1991

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CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 1

2in = 5

3in = 9

HS= 2.405

VS= 2.321

GS= 2.757

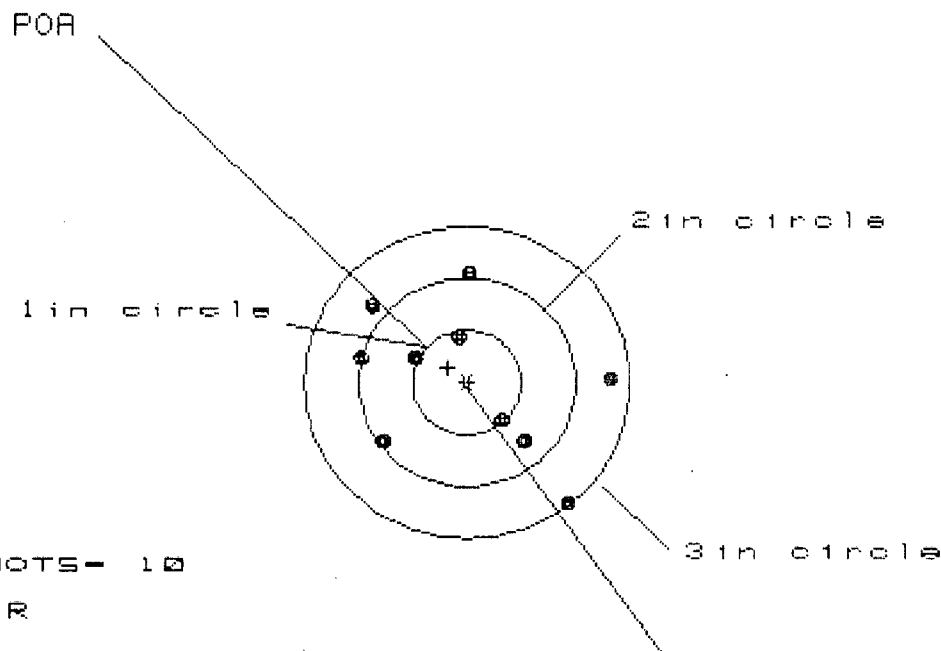
CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.247	.782	.755
MINIMUM X	-1.158	-1.019	-1.046
MAXIMUM Y	1.226	1.327	.740
MINIMUM Y	-1.095	-.994	-.828
CENTROID X	.150	.011	.038
CENTROID Y	-.173	-.274	-.440
POA TO CENTROID in.	.229	.274	.442
MIN RADIUS	.264	.435	.520
MEAN RADIUS	.933	.865	.790
MAX RADIUS	1.543	1.344	1.060
HORIZONTAL SPREAD	2.405	1.801	1.801
VERTICAL SPREAD	2.321	2.321	1.568
EXTREME SPREAD	2.757	2.363	2.019
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	9		

23 Jul 1991

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CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 5

3 in = 10

HS= 2.345

VS= 2.237

GS= 2.576

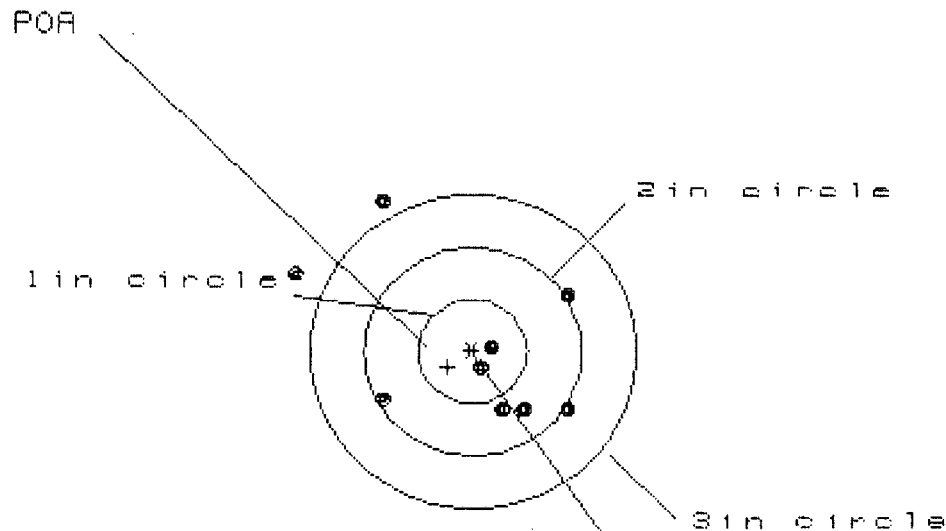
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.361	1.461	.782
MINIMUM X	:	-.984	-.884	-.702
MAXIMUM Y	:	1.059	.928	.916
MINIMUM Y	:	-1.178	-.723	-.735
CENTROID X	:	.176	.076	-.106
CENTROID Y	:	-.139	-.008	.004
POA TO CENTROID in.	:	.224	.077	.106
MIN RADIUS	:	.410	.272	.255
MEAN RADIUS	:	.923	.836	.728
MAX RADIUS	:	1.479	1.464	1.059
HORIZONTAL SPREAD	:	2.345	2.345	1.484
VERTICAL SPREAD	:	2.237	1.651	1.651
EXTREME SPREAD	:	2.576	2.351	1.864
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		10	

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CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 7

3 in = 8

HS= 2.480

VS= 2.083

GS= 2.783

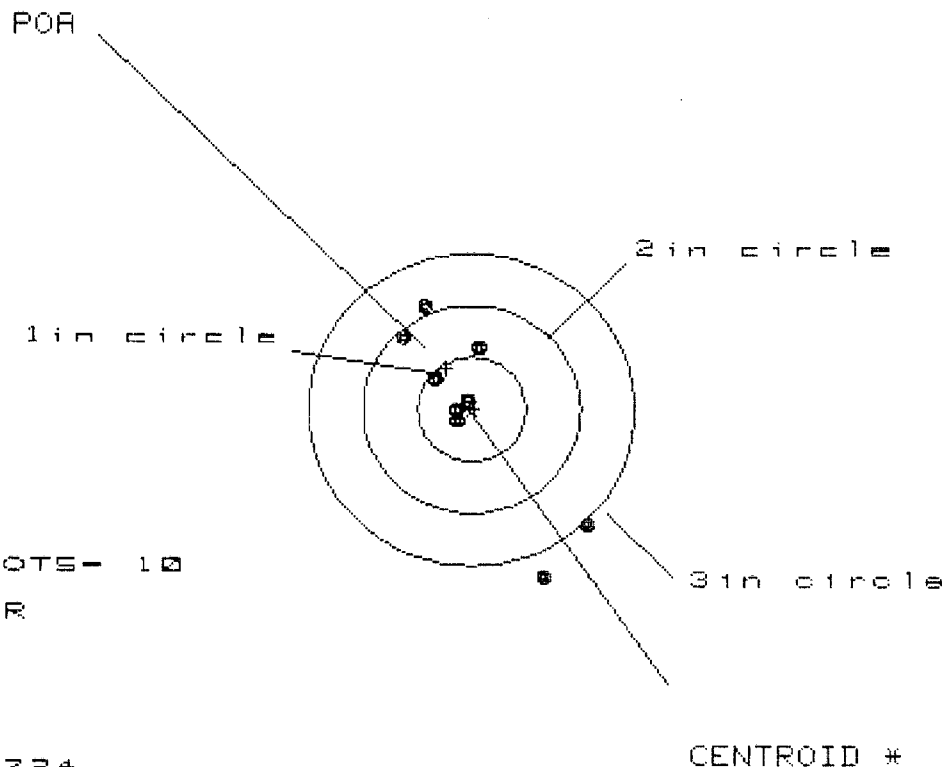
CENTROID #

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.860	.680	.559
MINIMUM X	:	-1.620	-.966	-1.081
MAXIMUM Y	:	1.498	1.585	.841
MINIMUM Y	:	-.585	-.498	-.300
CENTROID X	:	.229	.409	.530
CENTROID Y	:	.151	.064	-.134
POA TO CENTROID in.	:	.275	.414	.547
MIN RADIUS	:	.209	.122	.251
MEAN RADIUS	:	.894	.724	.529
MAX RADIUS	:	1.801	1.856	1.090
HORIZONTAL SPREAD	:	2.480	1.646	1.640
VERTICAL SPREAD	:	2.083	2.083	1.141
EXTREME SPREAD	:	2.783	2.593	1.910
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		8	

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CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1 in = 5

2 in = 7

3 in = 8

HS= 1.724

VS= 2.603

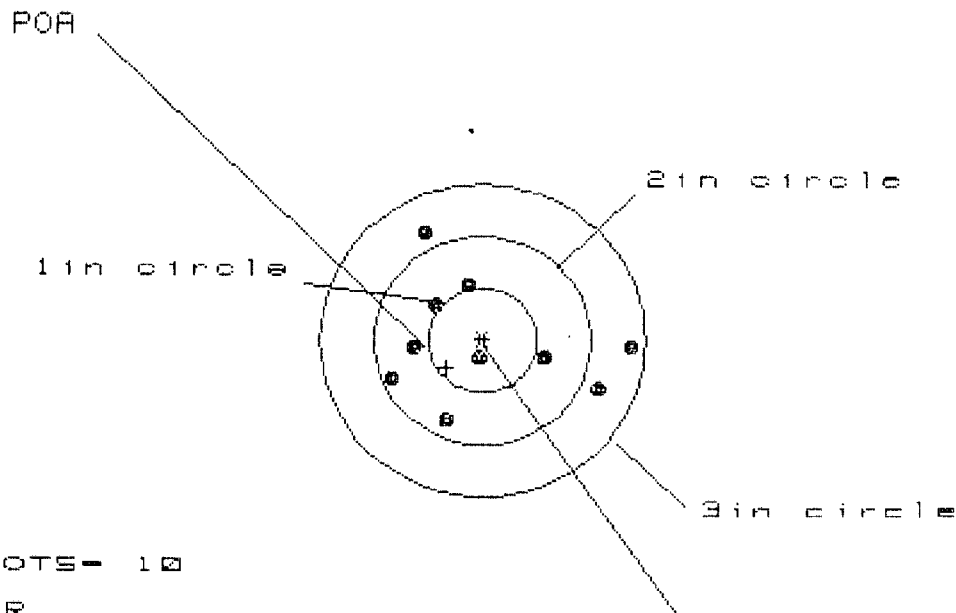
GS= 2.821

PATTERN #	4		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.067	1.144	.239
MINIMUM X	-.657	-.580	-.436
MAXIMUM Y	1.005	.827	.669
MINIMUM Y	-1.598	-1.268	-.463
CENTROID X	.236	.159	.016
CENTROID Y	-.394	-.216	-.058
POA TO CENTROID in.	.459	.268	.060
MIN RADIUS	.107	.083	.138
MEAN RADIUS	.697	.540	.400
MAX RADIUS	1.743	1.708	.690
HORIZONTAL SPREAD	1.724	1.724	.676
VERTICAL SPREAD	2.603	2.095	1.132
EXTREME SPREAD	2.821	2.552	1.161
NUMBER IN ONE INCH CIRCLE	=	5	
NUMBER IN TWO INCH CIRCLE	=	7	
NUMBER IN THREE INCH CIRCLE	=	8	

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CENTERFIRE PATTERNS # 5



OF SHOTS - 10

IN CIR

1in = 1

2in = 7

3in = 10

HS = 2.273

VS = 1.806

GS = 2.299

CENTROID #

PATTERN #	5	5	5
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.393	1.199	1.154
MINIMUM X	-.880	-.725	-.770
MAXIMUM Y	1.041	1.039	.687
MINIMUM Y	-.765	-.767	-.637
CENTROID X	.335	.180	.225
CENTROID Y	.261	.263	.133
POA TO CENTROID in.	.425	.318	.261
MIN RADIUS	.210	.229	.095
MEAN RADIUS	.809	.719	.662
MAX RADIUS	1.393	1.272	1.192
HORIZONTAL SPREAD	2.273	1.924	1.924
VERTICAL SPREAD	1.806	1.806	1.324
EXTREME SPREAD	2.299	2.137	1.925
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		10	