

C6636230

MODEL 700TM M24

Model **SMS** TM

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

SERIAL NO.
C6636230

ORDER NO.
5716

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

20



5716 C6636230

UPC



0 47700 25716 7

BARBER - M24 0031987

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 003498932026

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6636230

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		KCR
	Magnaflux Bolt	5 6 91		KCR
615	Rollmark Caliber	5 6 91		GB
617	Drill and Tap Sight Holes	5 10 91		LB
618	Polish Barrel	5 10 91		WB
620	Apply Coatings (Barrel Action)		5-30-91	JS
	Apply Coating (Bolt)			
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		6-10-91	JF

op. #	BARBER - M24 0031989	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			6-10-91	JI
	G) Safety Off Force	4	4	4			6-10-91	JI
	H) Trigger Pull Test & Retainability						6-10-91	JI
	I) Firing Pin Indent	.021	.023	.023			6-10-91	JI
	J) Assemble Stock						6/10/91	RW
	K) Assemble Swivel Studs						6-13-91	A
	L) Attach Front and Rear Sight Assemblies						6/10/91	RW
	M) Iron Sight Alignment						6/10/91	RW
	N) Detach Front & Rear Sights & place in numbered container						6/10/91	RW
	O) Attach Scope to Rifle						6/10/91	RW
	P) Detach & Attach Scope 20 Times						6/10/91	RW
640	Gallery Target & Test						6-10-91	AF
	A) Time						"	AF
	B) Malfunctions						"	AF
	C) Pierced Primers						"	AF
	D) Optical Clarity of Scope						"	AF
645	Inspect for Live Ammo						6-10-91	AF
655	Final Inspection							
	A) Headspace						6-13-91	AC
	B) Trigger Pull	2.37	2.31	2.41	2.47	2.35	6-12-91	JI
	C) Function						6-13-91	AC
660	Pack						6-20-91	AF

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. 06636230

DATE 6-10-91

TESTER gll.

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.28	2.49	2.44	2.37	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.36	2.43	2.39	2.31	
PULL #3	2.56	2.36	2.43	2.41	
PULL #4	2.23	2.46	2.43	2.47	
PULL #5	2.34	2.45	2.46	2.35	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.33	3.34		
PULL #2	3.40	3.38		
PULL #3	3.36	3.38		
PULL #4	3.36	3.40		
PULL #5	3.20	3.29		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.26	4.37		4.33
PULL #2	4.20	4.28		4.32
PULL #3	4.32	4.24		4.28
PULL #4	4.18	4.23		4.25
PULL #5	4.24	4.37		4.33
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6636230
10 Jun 1991

CENTROIDAL DISTANCES

0 TO	1	.1886
1 TO	2	.451691
1 TO	3	.121017
1 TO	4	.235128
1 TO	5	.119038

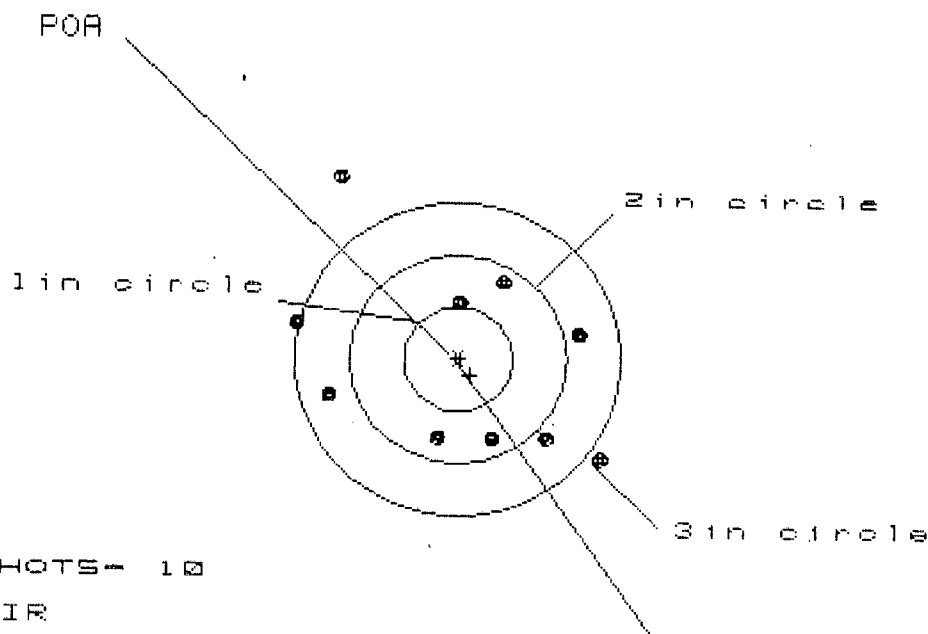
5 <----POB

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0182
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0176
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .025318
THE AMR FOR THIS RIFLE IS: .9158

18 Jun 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6836230

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1 in - 0

2 in - 4

3 in - 7

HS- 2.779

VS- 2.704

GS- 3.643

CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.320	1.196	1.186
MINIMUM X	-1.459	-1.583	-1.434
MAXIMUM Y	1.718	.955	.855
MINIMUM Y	-.986	-.795	-.673
CENTROID X	-.113	.011	-.138
CENTROID Y	.151	-.040	.060
POA TO CENTROID in.	.189	.041	.151
MIN RADIUS	.567	.591	.660
MEAN RADIUS	1.177	1.051	1.005
MAX RADIUS	2.051	1.679	1.506
HORIZONTAL SPREAD	2.779	2.779	2.620
VERTICAL SPREAD	2.704	1.750	1.528
EXTREME SPREAD	3.643	3.091	2.624
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

POA

1 in circle

2 in circle

3 in circle

OF SHOTS - 10

IN CIR

1 in - 2

2 in - 5

3 in - 8

HS = 1.481

VS = 3.457

GS = 3.638

CENTROID *

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.775	.697	.733
MINIMUM X	:	-.786	-.691	-.655
MAXIMUM Y	:	1.263	1.019	.801
MINIMUM Y	:	-2.194	-1.746	-.930
CENTROID X	:	-.030	.048	.012
CENTROID Y	:	-.293	-.049	.169
POA TO CENTROID in.	:	.295	.069	.169
MIN RADIUS	:	.076	.271	.271
MEAN RADIUS	:	.992	.806	.667
MAX RADIUS	:	2.385	1.770	1.108
HORIZONTAL SPREAD	:	1.481	1.388	1.388
VERTICAL SPREAD	:	3.457	2.765	1.731
EXTREME SPREAD	:	3.638	2.776	2.082
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		8	

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CENTERFIRE PATTERNS # 3

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS- 10

IN CIR

1in = 2

2in = 6

3in = 10

HS= 2.230

VS= 1.680

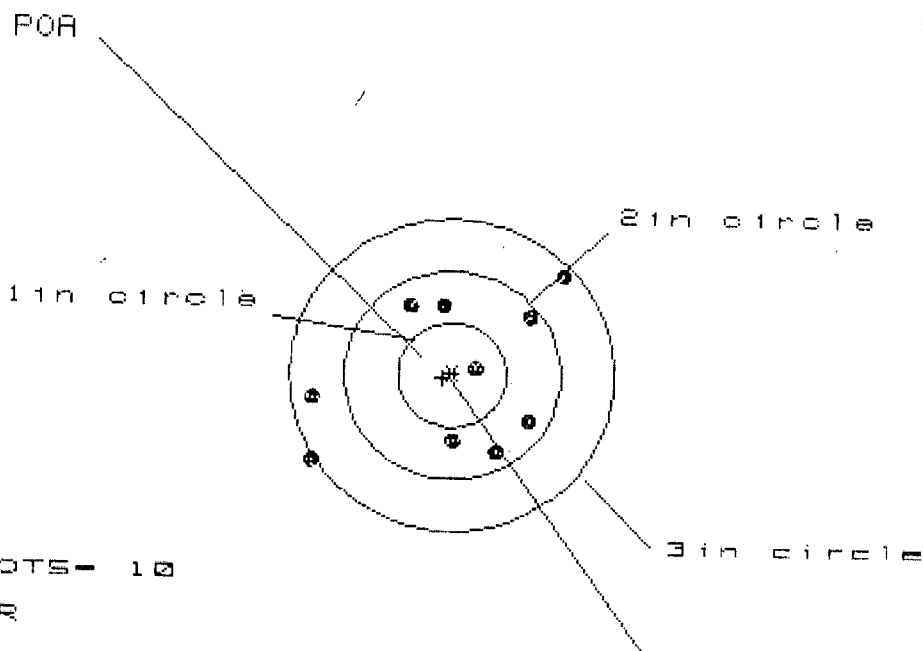
GS= 2.233

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.147	.608	.488
MINIMUM X	:	-1.083	-.956	-.848
MAXIMUM Y	:	.795	.765	.714
MINIMUM Y	:	-.885	-.915	-.966
CENTROID X	:	-.042	-.169	-.050
CENTROID Y	:	.053	.083	.134
POA TO CENTROID in.	:	.067	.188	.143
MIN RADIUS	:	.181	.300	.251
MEAN RADIUS	:	.792	.760	.695
MAX RADIUS	:	1.177	1.042	1.151
HORIZONTAL SPREAD	:	2.230	1.564	1.336
VERTICAL SPREAD	:	1.680	1.680	1.680
EXTREME SPREAD	:	2.233	2.003	2.003
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

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CENTERFIRE PATTERNS # 4



OF SHOTS - 10

IN CIR

1in = 1

2in = 7

3in = 9

HS = 2.312

VS = 1.832

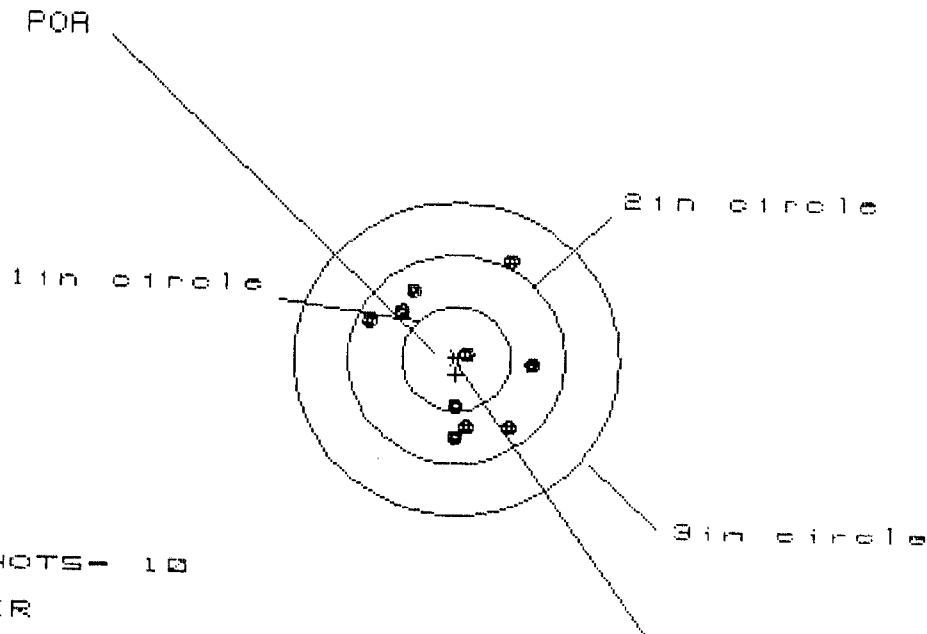
GS = 2.950

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.017	.873	.715
MINIMUM X	-1.296	-1.423	-1.314
MAXIMUM Y	.954	.857	.685
MINIMUM Y	-.878	-.875	-.768
CENTROID X	.088	.231	.122
CENTROID Y	.029	.126	.019
POA TO CENTROID in.	.092	.264	.124
MIN RADIUS	.248	.112	.216
MEAN RADIUS	.924	.822	.779
MAX RADIUS	1.565	1.459	1.331
HORIZONTAL SPREAD	2.312	2.296	2.029
VERTICAL SPREAD	1.832	1.732	1.453
EXTREME SPREAD	2.950	2.579	2.190
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	9		

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CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 2

2in = 9

3in = 10

HS= 1.459

VS= 1.711

GS= 1.792

CENTROID #

PATTERN #	5		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.653	.707	.614
MINIMUM X	-.806	-.752	-.582
MAXIMUM Y	.946	.763	.826
MINIMUM Y	-.765	-.660	-.597
CENTROID X	.006	-.048	.045
CENTROID Y	.148	.043	-.020
POA TO CENTROID in.	.148	.065	.050
MIN RADIUS	.100	.218	.257
MEAN RADIUS	.694	.646	.595
MAX RADIUS	1.064	.904	.962
HORIZONTAL SPREAD	1.459	1.459	1.195
VERTICAL SPREAD	1.711	1.423	1.423
EXTREME SPREAD	1.792	1.701	1.643
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		9	
NUMBER IN THREE INCH CIRCLE =		10	