

C6611526

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

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

MODEL 700TM H24

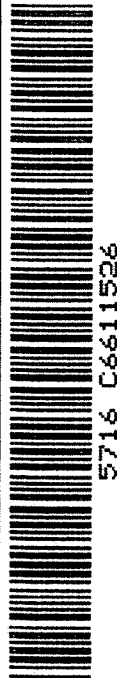
VERY IMPORTANT:
 Instruction Book
 enclosed to assure
 safe use of this
 firearm.

SERIAL NO.
C6611526

ORDER NO.
5716

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

20



UPC



GEM

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6611526

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	1 25	91	RW
600	Proof	1 25	91	RW
607	Check Headspace	1 25	91	RW
610	Dis-assemble Gun	1 25	91	RW
612	Magnaflux Barrel Action	1 25	91	KR
	Magnaflux Bolt	1 25	91	KR
615	Rollmark Caliber	1 25	91	LS
617	Drill and Tap Sight Holes	1 30	91	FB
618	Polish Barrel RBB	1 30	91	WB
620	Apply Coatings (Barrel Action)		2-10-91	TJA
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly		2/11/91	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		2/11/91	RW
	C) Inspect Ejector Hole for Chamfer		2/11/91	RW
	D) Oil Firing Pin Ass'y		2/11/91	RW
	E) Adjust Trigger Pull to Min Setting and Stake		2/18/90	92

op. #	BARBER - M24 0078266	READINGS			DATE	INIT
625 cont.	F) Safety On Force	5 ³ / ₄	5 ³ / ₄	5 ³ / ₄	2/12/91	WB
	G) Safety Off Force	2 ³ / ₄	2 ³ / ₄	2 ³ / ₄	2/12/91	WB
	H) Trigger Pull Test & Retainability				2/12/91	HL
	I) Firing Pin Indent	.0215	.0212	.021	2/12/91	WB
	J) Assemble Stock				2/12/91	RW
	K) Assemble Swivel Studs				2-21-91	AC
	L) Attach Front and Rear Sight Assemblies				2/12/91	RW
	M) Iron Sight Alignment				2/12/91	RW
	N) Detach Front & Rear Sights & place in numbered container				2/12/91	RW
	O) Attach Scope to Rifle				2/12/91	RW
	P) Detach & Attach Scope 20 Times				2/12/91	RW
640	Gallery Target & Test				2-12-91	NF
	A) Time				"	NF
	B) Malfunctions				"	NF
	C) Pierced Primers				"	NF
	D) Optical Clarity of Scope				"	NF
645	Inspect for Live Ammo				2-12-91	NF
655	Final Inspection					
	A) Headspace				2-21-91	AC
	B) Trigger Pull	2.50	2.47	2.50	2/19/91	WB
	C) Function				2-21-91	AC
660	Pack				3/14/91	NF

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

SERIAL NO. C6611526
DATE 2/12/91
TESTER JR.

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.32	2.16	2.20	2.50	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.29	2.34	2.34	2.47	
PULL #3	2.20	2.23	2.38	2.50	
PULL #4	2.32	2.27	2.22	2.48	
PULL #5	2.15	2.19	2.29	2.49	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.51	3.37		
PULL #2	3.25	3.38		
PULL #3	3.29	3.50		
PULL #4	3.40	3.30		
PULL #5	3.30	3.44		
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	4.36		4.39
PULL #2	4.18	4.49		4.26
PULL #3	4.20	4.44		4.32
PULL #4	4.23	4.28		4.43
PULL #5	4.22	4.20		4.16
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6611526
13 Feb 1991

CENTROIDAL DISTANCES

0 TO	1	.397212
1 TO	2	.644051
1 TO	3	.16556
1 TO	4	.324299
1 TO	5	.573778

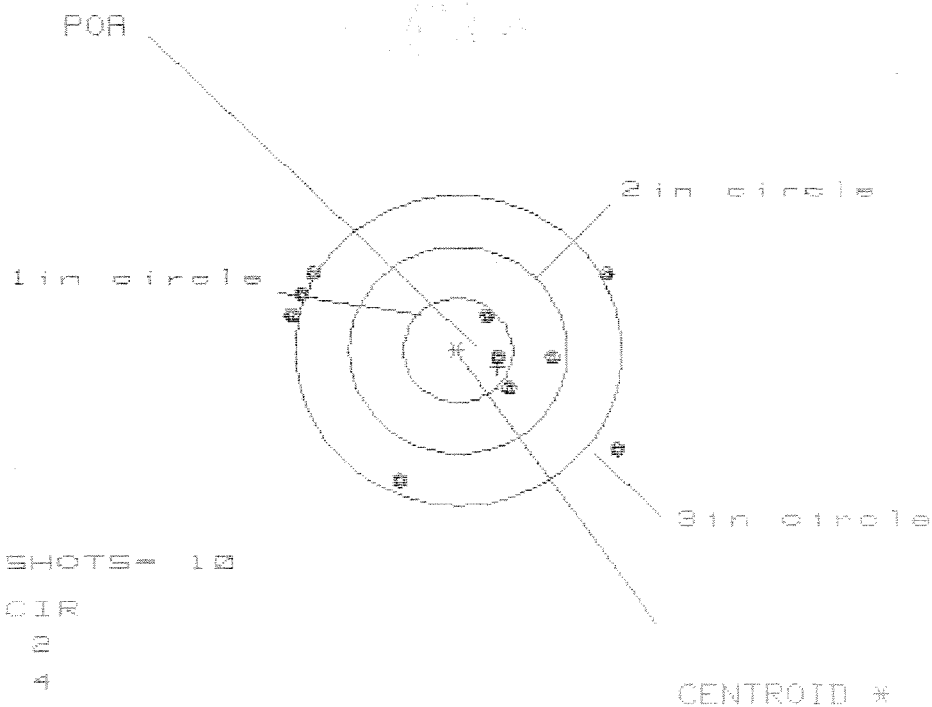
$\frac{1}{5} \sum x_i^2$ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0866
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0478
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0989161
THE AVERAGE POI RADIUS FOR THIS RIFLE IS: .9754

13 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8611526

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1in = 2

2in = 4

3in = 8

HS= 2.972

VS= 2.068

GS= 3.268

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.453	1.568	1.217
MINIMUM X	-1.519	-1.358	-1.162
MAXIMUM Y	.760	.656	.711
MINIMUM Y	-1.308	-1.412	-1.330
CENTROID X	-.364	-.525	-.721
CENTROID Y	.159	.263	.181
POA TO CENTROID in.	.397	.587	.743
MIN RADIUS	.349	.510	.705
MEAN RADIUS	1.160	1.117	1.060
MAX RADIUS	1.731	1.700	1.340
HORIZONTAL SPREAD	2.972	2.926	2.379
VERTICAL SPREAD	2.068	2.068	2.041
EXTREME SPREAD	3.268	2.951	2.416
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	4		

BARBER - M24 0078270

NUMBER IN THREE INCH CIRCLE =

5

**CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON**

BARBER - M24 0078270 **M2400078309**

13 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08611526

CENTERFIRE PATTERNS

2

POA

1in circle

2in circle

3in circle

OF SHOTS- 10

IN CIR

1in = 2

2in = 6

3in = 9

HS= 2.027

VS= 2.097

GS= 2.591

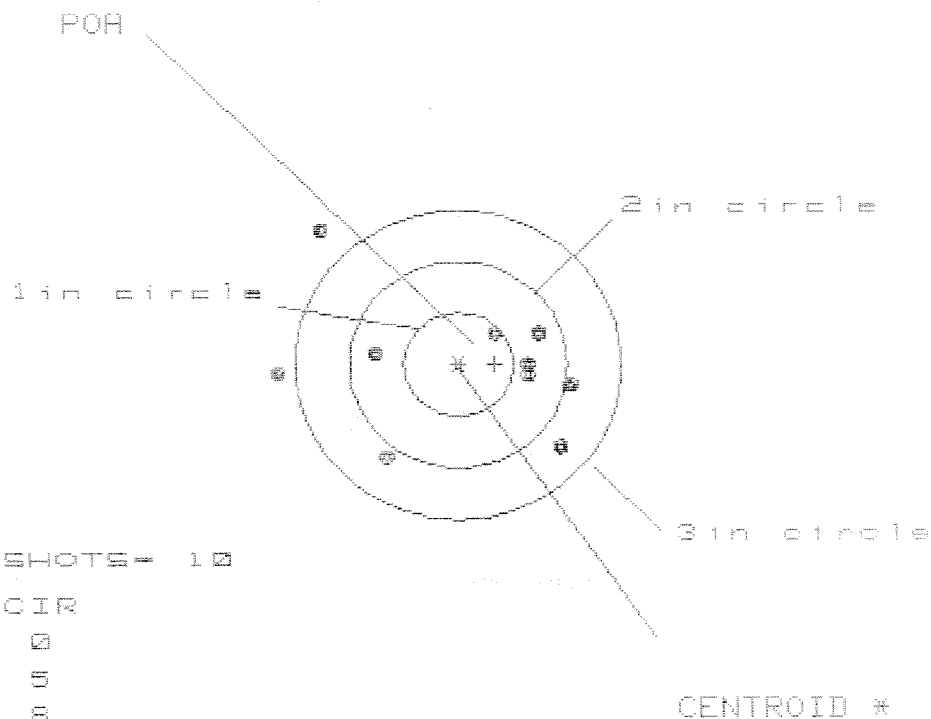
CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.129	1.216	1.346
MINIMUM X	-.898	-.811	-.681
MAXIMUM Y	1.407	1.271	.427
MINIMUM Y	-.690	-.534	-.375
CENTROID X	.267	.180	.050
CENTROID Y	.288	.132	-.027
POA TO CENTROID in.	.393	.223	.057
MIN RADIUS	.347	.217	.038
MEAN RADIUS	.858	.700	.505
MAX RADIUS	1.613	1.642	1.356
HORIZONTAL SPREAD	2.027	2.027	2.027
VERTICAL SPREAD	2.097	1.805	.802
EXTREME SPREAD	2.591	2.496	2.067
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		9	

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CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1 in = 0

2 in = 5

3 in = 8

HS= 2.662

VS= 2.127

GS= 3.027

PATTERN #	3
SHOTS (BEST OF)	10
MAXIMUM X	1.044
MINIMUM X	-1.618
MAXIMUM Y	1.278
MINIMUM Y	-0.849
CENTROID X	-0.335
CENTROID Y	-0.004
POA TO CENTROID in.	0.335
MIN RADIUS	0.507
MEAN RADIUS	1.010
MAX RADIUS	1.811
HORIZONTAL SPREAD	2.662
VERTICAL SPREAD	2.127
EXTREME SPREAD	3.027
NUMBER IN ONE INCH CIRCLE	0
NUMBER IN TWO INCH CIRCLE	5
NUMBER IN THREE INCH CIRCLE	8

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FILE:/PATTERNING/CENTERFIRE_PATT/C8611526

CENTERFIRE PATTERNS

4

POA

1in circle

2in circle

3in circle

OF SHOTS= 10

IN CIR

1in = 1

2in = 6

3in = 10

HS= 2.457

VS= 1.819

GS= 2.543

CENTROID #

PATTERN #	4	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.360	1.149	1.014
MINIMUM X	-1.097	-.946	-.802
MAXIMUM Y	.753	.812	.752
MINIMUM Y	-1.066	-1.007	-1.067
CENTROID X	-.123	-.274	-.418
CENTROID Y	-.058	-.117	-.058
POA TO CENTROID in.	.136	.298	.422
MIN RADIUS	.429	.297	.142
MEAN RADIUS	.943	.861	.770
MAX RADIUS	1.460	1.244	1.135
HORIZONTAL SPREAD	2.457	2.095	1.816
VERTICAL SPREAD	1.819	1.819	1.819
EXTREME SPREAD	2.543	2.134	1.938
NUMBER IN ONE INCH CIRCLE =	1	1	1
NUMBER IN TWO INCH CIRCLE =	6	6	6
NUMBER IN THREE INCH CIRCLE =	10	10	10

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CENTERFIRE PATTERNS

5

POA

1 in circle

2 in circle

3 in circle

OF SHOTS= 10

IN CIR

1 in = 3

2 in = 6

3 in = 8

HS= 1.831

VS= 3.780

GS= 3.801

CENTROID #

PATTERN #

3

SHOTS (BEST OF)	10	9	8
MAXIMUM X	.989	1.017	1.002
MINIMUM X	-.842	-.814	-.829
MAXIMUM Y	1.828	1.612	1.060
MINIMUM Y	-1.952	-.880	-.679
CENTROID X	.122	.094	.109
CENTROID Y	-.146	.070	-.131
POA TO CENTROID in.	.190	.117	.170
MIN RADIUS	.194	.259	.202
MEAN RADIUS	.906	.809	.650
MAX RADIUS	1.968	1.616	1.346
HORIZONTAL SPREAD	1.831	1.831	1.831
VERTICAL SPREAD	3.780	2.492	1.739
EXTREME SPREAD	3.801	2.740	2.525
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		8	