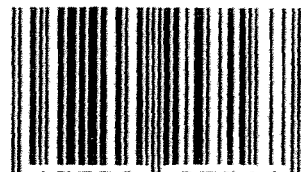


BARBER - M24 0031231

SMITH & WESSLEY

FORM

UPC



0 47700 25716 7

C6649064

*INCLUDES 1 IN CHAMBER

CAPACITY*

BARREL LENGTH

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 0031231 M2400031270

MODEL 700 TM M24

ORDER NO.

5715

Remington



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

MODEL 700™ M24

SERIAL NO.

C6649064

ORDER NO.

5716

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



5716 C6649064

ORDER 5716

MODEL 700™ M24

UPC

ORDER 5716

MODEL 700™ M24

UPC



0 47700 25716 7



0 47700 25716 7

GFM

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6649064

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	10 1	9 1	RW
600	Proof	10 1	9 1	RW
607	Check Headspace	10 1	8 1	RW
610	Dis-assemble Gun	10 1	8 1	RW
612	Magnaflux Barrel Action	OCT 1	10 1991	KR
	Magnaflux Bolt	OCT 1	10 1991	KR
615	Rollmark Caliber	OCT 1	10 1991	GL
617	Drill and Tap Sight Holes	OCT 1	1991	LB
618	Polish Barrel		10/15/91	WB
620	Apply Coatings (Barrel Action)		11-2-91	LA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly			
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head			
	C) Inspect Ejector Hole for Chamfer			
	D) Oil Firing Pin Ass'y			
	E) Adjust Trigger Pull to Min Setting and Stake		12/10/91	WB

op. #	NAME	READINGS					DATE	INIT
	BARBER M24 0031235							
625 cont.	F) Safety On Force	4	4	4			12/10/91	WB
	G) Safety Off Force	3	3	3			12/10/91	WB
	H) Trigger Pull Test & Retainability						12/10/91	WB
	I) Firing Pin Indent	.0205	.022	.021			12/10/91	WB
	J) Assemble Stock						12/10/91	KL
	K) Assemble Swivel Studs						12-12-91	JK
	L) Attach Front and Rear Sight Assemblies						12/10/91	KL
	M) Iron Sight Alignment						12/10/91	KL
	N) Detach Front & Rear Sights & place in numbered container						12/10/91	KL
	O) Attach Scope to Rifle						12/10/91	KL
	P) Detach & Attach Scope 20 Times						12/10/91	KL
640	Gallery Target & Test						12-11-91	NF
	A) Time						"	NF
	B) Malfunctions						"	NF
	C) Pierced Primers						"	NF
	D) Optical Clarity of Scope						"	NF
645	Inspect for Live Ammo						12-11-91	NF
655	Final Inspection							
	A) Headspace						12-12-91	JK
	B) Trigger Pull	2.40	2.42	2.46	2.51	2.52	12-12-91	JK
	C) Function						12-12-91	JK
660	Pack						12-14-91	NF

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C-6649064DATE 12-10-91TESTER SB/ WB

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.39	2.41	2.19	2.40	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.44	2.45	2.49	2.42	
PULL #3	2.42	2.46	2.43	2.46	
PULL #4	2.45	2.47	2.45	2.51	
PULL #5	2.43	2.48	2.43	2.52	
TOTAL	12.13	12.27	11.99		
AVG.	2.42	2.45	2.40		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.48	3.38		
PULL #2	3.45	3.36		
PULL #3	3.47	3.45		
PULL #4	3.44	3.39		
PULL #5	3.45	3.41		
TOTAL	17.29	16.99		
AVG.	3.46	3.40		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.31	4.32		4.10
PULL #2	4.24	4.26		4.01
PULL #3	4.32	4.32		4.29
PULL #4	4.36	4.35		4.18
PULL #5	4.29	4.39		4.23
TOTAL	21.52	21.64		20.81
AVG.	4.31	4.33		4.16

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6649064
11 Dec 1991

CENTROIDAL DISTANCES

0 TO	1	.209888
1 TO	2	.0744043
1 TO	3	.244724
1 TO	4	.143534
1 TO	5	.359271

34
3

<----FOR

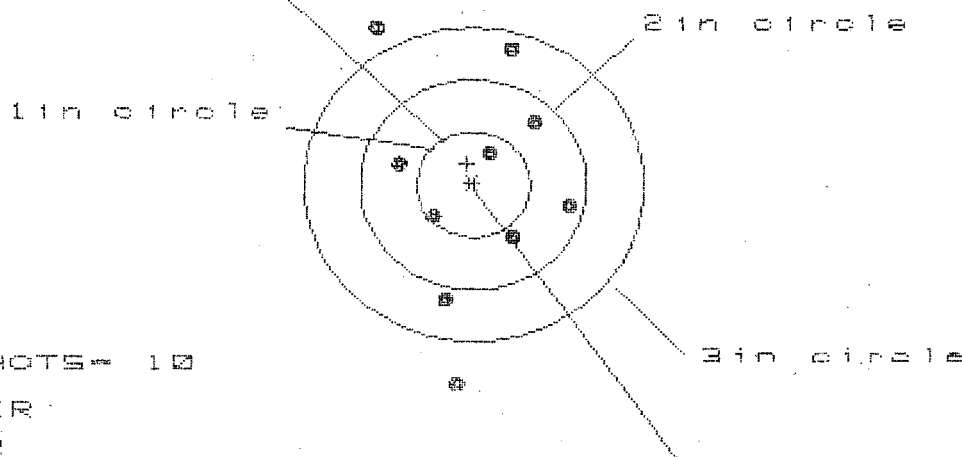
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0194
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1704
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .171501
THE AMR FOR THIS RIFLE IS: .8158

11 Dec 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8649064

CENTERFIRE PATTERNS # 1

POB



OF SHOTS= 10

IN CIR

1in = 2

2in = 6

3in = 8

HS= 1.720

VS= 3.436

GS= 3.494

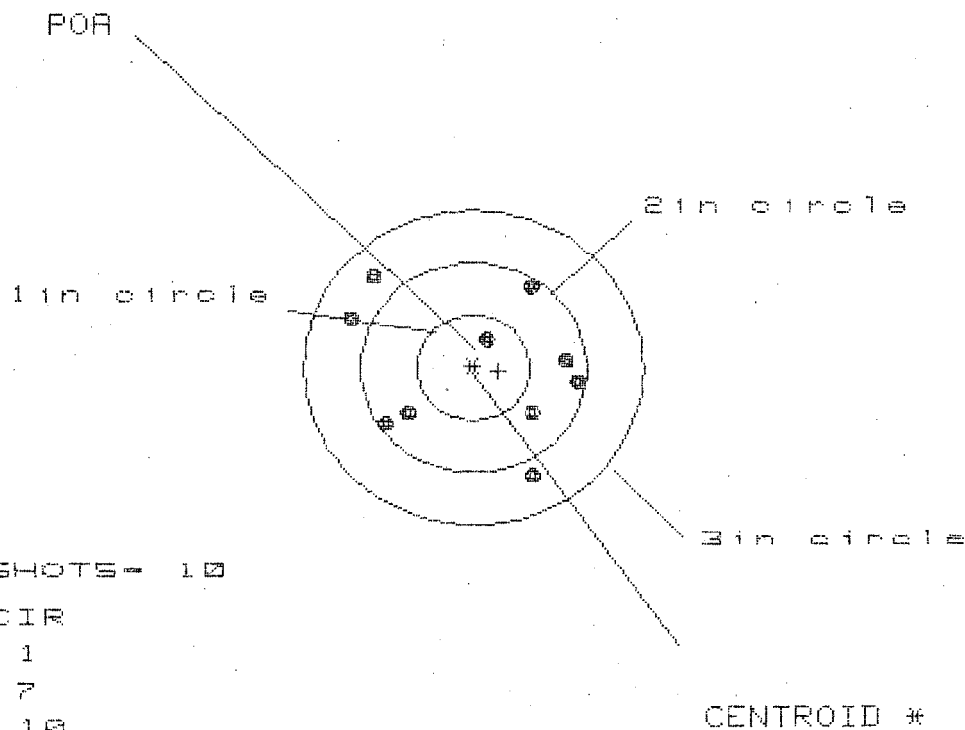
CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.887	.865	.758
MINIMUM X	-.833	-.855	-.780
MAXIMUM Y	1.514	1.300	1.291
MINIMUM Y	-1.922	-1.338	-1.175
CENTROID X	.057	.079	.186
CENTROID Y	-.202	.012	-.151
POB TO CENTROID in.	.210	.080	.239
MIN RADIUS	.354	.174	.265
MEAN RADIUS	1.004	.887	.788
MAX RADIUS	1.932	1.556	1.302
HORIZONTAL SPREAD	1.720	1.720	1.538
VERTICAL SPREAD	3.436	2.638	2.466
EXTREME SPREAD	3.494	2.706	2.522
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	8		

11 Dec 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06649064

CENTERFIRE PATTERNS # 5



OF SHOTS - 10

IN CIR

1in = 1

2in = 7

3in = 10

HS= 2.028

VS= 1.900

GS= 2.393

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.961	.859	.713
MINIMUM X	-1.067	-1.169	-1.074
MAXIMUM Y	.896	.889	.963
MINIMUM Y	-1.004	-.905	-.831
CENTROID X	-.219	-.117	.029
CENTROID Y	.028	-.071	-.145
POA TO CENTROID in.	.221	.137	.148
MIN RADIUS	.252	.332	.356
MEAN RADIUS	.895	.838	.754
MAX RADIUS	1.283	1.310	1.126
HORIZONTAL SPREAD	2.028	2.028	1.787
VERTICAL SPREAD	1.900	1.794	1.794
EXTREME SPREAD	2.393	2.193	1.871
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	10		

11 Dec 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06649064

CENTERFIRE PATTERNS # 4

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS- 10

IN CIR

1in = 3

2in = 9

3in = 10

HS= 1.715

VS= 1.546

GS= 1.867

PATTERN #

4

SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.050	.780	.712
MINIMUM X	:	-.664	-.548	-.443
MAXIMUM Y	:	.880	.829	.740
MINIMUM Y	:	-.666	-.717	-.682
CENTROID X	:	-.034	-.150	-.082
CENTROID Y	:	-.091	-.040	.049
POA TO CENTROID in.	:	.097	.156	.095
MIN RADIUS	:	.216	.185	.076
MEAN RADIUS	:	.672	.606	.559
MAX RADIUS	:	1.145	.981	.873
HORIZONTAL SPREAD	:	1.715	1.328	1.155
VERTICAL SPREAD	:	1.546	1.546	1.422
EXTREME SPREAD	:	1.867	1.867	1.544
NUMBER IN ONE INCH CIRCLE =		3		
NUMBER IN TWO INCH CIRCLE =		9		
NUMBER IN THREE INCH CIRCLE =		10		

11 Dec 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6645064

CENTERFIRE PATTERNS # 3

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS = 10

IN CIR

1 in = 4

2 in = 8

3 in = 9

HS = 1.391

VS = 3.052

GS = 3.354

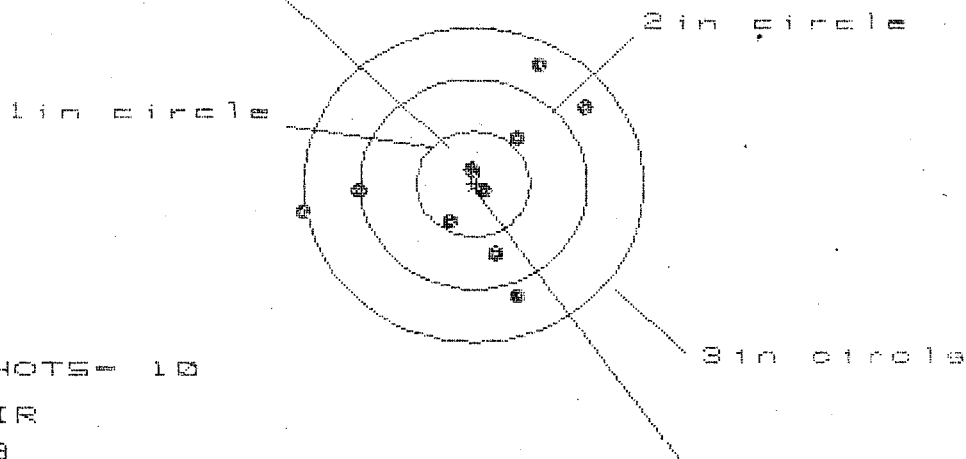
PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.995	.281	.245
MINIMUM X	:	-.396	-.285	-.320
MAXIMUM Y	:	1.393	1.209	.690
MINIMUM Y	:	-1.659	-.954	-.803
CENTROID X	:	.086	-.025	.011
CENTROID Y	:	-.445	-.261	-.412
POA TO CENTROID in.	:	.454	.262	.412
MIN RADIUS	:	.145	.129	.141
MEAN RADIUS	:	.709	.562	.466
MAX RADIUS	:	1.934	1.242	.803
HORIZONTAL SPREAD	:	1.391	.566	.565
VERTICAL SPREAD	:	3.052	2.163	1.493
EXTREME SPREAD	:	3.354	2.190	1.510
NUMBER IN ONE INCH CIRCLE =			4	
NUMBER IN TWO INCH CIRCLE =			8	
NUMBER IN THREE INCH CIRCLE =			9	

17 Oct 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8649064

CENTERFIRE PATTERNS # 2

POA



OF SHOTS- 10

IN CIR

1in = 3

2in = 5

3in = 10

HS= 2.497

VS= 2.151

GS= 2.687

CENTROID #

PATTERN #	2	2	2
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.026	.862	.503
MINIMUM X	-1.471	-1.183	-1.075
MAXIMUM Y	1.094	1.065	1.153
MINIMUM Y	-1.057	-1.086	-.998
CENTROID X	.013	.177	.069
CENTROID Y	-.142	-.113	-.201
POA TO CENTROID in.	.143	.210	.213
MIN RADIUS	.097	.132	.017
MEAN RADIUS	.799	.722	.645
MAX RADIUS	1.494	1.183	1.258
HORIZONTAL SPREAD	2.497	2.045	1.578
VERTICAL SPREAD	2.151	2.151	2.151
EXTREME SPREAD	2.687	2.176	2.156
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	10		