

BARBER - M24 0103064

FORM

UPC



0 47700 25716 7

6665829

*INCLUDES 1 IN CHAMBER

MODEL 700 TM M24

ORDER NO.	5716
BARREL LENGTH	
CAPACITY*	

BARBER - M24 01030105

Remington



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

MODEL 700 TM M24

SERIAL NO.

C6665829

ORDER NO.

5716

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

20



5716 C6665829

ORDER 5716

MODEL 700 TM M24

UPC

ORDER 5716

MODEL 700 TM M24

UPC



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GFM

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6665829

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	10 1	91	PW
600	Proof	10 1	91	PW
607	Check Headspace	10 1	91	PW
610	Dis-assemble Gun	10 1	91	PW
612	Magnaflux Barrel Action	OCT	8 1991	KR
	Magnaflux Bolt	OCT	8 1991	KR
615	Rollmark Caliber	OCT	8 1991	JS
617	Drill and Tap Sight Holes	OCT	8 1991	LB
618	Polish Barrel		10/15/91	WB
620	Apply Coatings (Barrel Action)		11-29/91	JS
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		12/13/91	KL
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		12/12/91	KL
	C) Inspect Ejector Hole for Chamfer		12/12/91	KL
	D) Oil Firing Pin Ass'y		12/12/91	KL
	E) Adjust Trigger Pull to Min Setting and Stake		12/12/91	KL

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4	4	4			12/12/91	KL
	G) Safety Off Force	3	3	3			12/12/91	KL
	H) Trigger Pull Test & Retainability						12/12/91	KL
	I) Firing Pin Indent	.0215	.0215	.0215			12/12/91	KL
	J) Assemble Stock						12/12/91	KL
	K) Assemble Swivel Studs						12/12/91	KL
	L) Attach Front and Rear Sight Assemblies						12/12/91	KL
	M) Iron Sight Alignment						12/12/91	KL
	N) Detach Front & Rear Sights & place in numbered container						12/12/91	KL
	O) Attach Scope to Rifle						12/12/91	KL
	P) Detach & Attach Scope 20 Times						12/12/91	KL
640	Gallery Target & Test						12-13-91	KL
	A) Time						12-13-91	KL
	B) Malfunctions						12-13-91	KL
	C) Pierced Primers						12-13-91	KL
	D) Optical Clarity of Scope						12-13-91	KL
645	Inspect for Live Ammo						12-13-91	KL
655	Final Inspection						12-13-91	KL
	A) Headspace						12-13-91	KL
	B) Trigger Pull	2.74	2.69	2.52	2.62	2.58	12-13-91	KL
	C) Function						12-13-91	KL
660	Pack						12-17-91	KL

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#
3.00# ± .75#
4.00# ± 1.00#

SERIAL NO. C-6665DATE 10/11/91TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.30	2.28	2.20	2.54	MIN. SETTING,
PULL #2	2.15	2.21	2.19	2.51	NO AVG. OF 5
PULL #3	2.22	2.22	2.28	2.55	READINGS ACCEPT-
PULL #4	2.25	2.22	2.40	2.56	ABLE LESS THAN 2#
PULL #5	2.31	2.25	2.20	2.53	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.54	3.29		
PULL #2	3.25	3.50		
PULL #3	3.49	3.52		
PULL #4	3.29	3.49		
PULL #5	3.52	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	4.38	4.39		4.50
PULL #2	4.27	4.36		4.61
PULL #3	4.26	4.58		4.63
PULL #4	4.18	4.58		4.60
PULL #5	4.51	4.28		4.55
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6665829
13 Dec 1991

CENTROIDAL DISTANCES

0	TO	1	.155052
1	TO	2	.337083
1	TO	3	.594021
1	TO	4	.253569
1	TO	5	.19804

PDR

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THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0452
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0292
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0538115
THE AMP FOR THIS RIFLE IS: .89
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13 Dec 1991

FILE: \PATTERNING\CENTERFIRE_PATT\08685829

CENTERFIRE PATTERNS # 1

POB

1in circle

2in circle

3in circle

OF SHOTS = 10

IN CIR

1in = 1

2in = 3

3in = 6

HS = 3.353

VS = 2.615

GS = 3.541

CENTROID #

PATTERN #

1

SHOTS (BEST OF)

10

9

8

MAXIMUM X

1.448

1.237

.981

MINIMUM X

-1.905

-2.046

-1.962

MAXIMUM Y

1.035

.969

.925

MINIMUM Y

-1.580

-1.646

-1.690

CENTROID X

-.115

.096

.352

CENTROID Y

-.104

-.038

.006

POB TO CENTROID in.

.155

.104

.352

MIN RADIUS

.378

.452

.509

MEAN RADIUS

1.275

1.166

1.033

MAX RADIUS

1.994

2.077

1.690

HORIZONTAL SPREAD

3.353

3.283

1.943

VERTICAL SPREAD

2.615

2.615

2.615

EXTREME SPREAD

3.541

3.390

2.672

NUMBER IN ONE INCH CIRCLE =

1

NUMBER IN TWO INCH CIRCLE =

3

NUMBER IN THREE INCH CIRCLE =

6

13 Dec 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08665823

CENTERFIRE PATTERNS # 2

FOR

1 in circle

2 in circle

3 in circle

OF SHOTS= 10

IN CIR

1 in = 0

2 in = 5

3 in = 9

HS= 1.930

VS= 2.913

GS= 3.063

CENTROID #

PATTERN #

2

SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.147	1.094	1.146
MINIMUM X	-.782	-.836	-.784
MAXIMUM Y	1.278	1.096	1.167
MINIMUM Y	-1.635	-1.253	-1.116
CENTROID X	-.208	-.154	-.206
CENTROID Y	-.428	-.246	-.383
FOR TO CENTROID in.	.476	.291	.435
MIN RADIUS	.593	.542	.610
MEAN RADIUS	1.005	.915	.872
MAX RADIUS	1.704	1.253	1.192
HORIZONTAL SPREAD	1.930	1.930	1.930
VERTICAL SPREAD	2.913	2.349	2.283
EXTREME SPREAD	3.063	2.383	2.304
NUMBER IN ONE INCH CIRCLE	=	0	
NUMBER IN TWO INCH CIRCLE	=	5	
NUMBER IN THREE INCH CIRCLE	=	9	

13 Dec 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08665829

CENTERFIRE PATTERNS # 3

POA

1 in circle

2 in circle

3 in circle

OF SHOTS= 10

IN CIR

1 in = 3

2 in = 8

3 in = 9

HS= 1.582

VS= 2.182

GS= 2.431

CENTROID *

PATTERN #

3

SHOTS (BEST OF)

	10	9	8
MAXIMUM X	.793	.705	.726
MINIMUM X	-.789	-.724	-.703
MAXIMUM Y	1.514	1.181	.339
MINIMUM Y	-.668	-.500	-.352
CENTROID X	-.110	-.022	-.043
CENTROID Y	.490	.322	.174
POA TO CENTROID in.	.502	.323	.179
MIN RADIUS	.317	.167	.041
MEAN RADIUS	.746	.590	.488
MAX RADIUS	1.707	1.193	.779
HORIZONTAL SPREAD	1.582	1.429	1.429
VERTICAL SPREAD	2.182	1.681	.691
EXTREME SPREAD	2.431	1.890	1.465
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		8	
NUMBER IN THREE INCH CIRCLE =		9	

13 Dec 1991

FILE: \PATTERNING\CENTERFIRE_PATT\06085829

CENTERFIRE PATTERNS

4

POA

1in circle

2in circle

3in circle

OF SHOTS= 10

IN CIR

1in = 3

2in = 7

3in = 10

HS= 1.853

VS= 1.914

GS= 2.319

CENTROID #

PATTERN #

4

SHOTS (BEST OF)

10

9

8

MAXIMUM X

1.027

.935

.936

MINIMUM X

-.826

-.514

-.397

MAXIMUM Y

.952

.845

.885

MINIMUM Y

-.963

-.741

-.701

CENTROID X

.136

.228

.111

CENTROID Y

-.068

.039

-.001

POA TO CENTROID in.

.152

.231

.111

MIN RADIUS

.166

.306

.204

MEAN RADIUS

.722

.672

.597

MAX RADIUS

1.268

1.078

1.145

HORIZONTAL SPREAD

1.853

1.449

1.333

VERTICAL SPREAD

1.914

1.586

1.586

EXTREME SPREAD

2.319

1.750

1.750

NUMBER IN ONE INCH CIRCLE =

3

NUMBER IN TWO INCH CIRCLE =

7

NUMBER IN THREE INCH CIRCLE =

10

13 Dec 1991

FILE: /PATTERNING/CENTERFIRE_PATT/C6665828

CENTERFIRE PATTERNS # 5

POA

1 in circle

2 in circle

3 in circle

OF SHOTS = 10

IN CIR

1 in = 4

2 in = 7

3 in = 10

HS = 1.678

VS = 2.448

GS = 2.636

CENTROID *

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.944	.863	.883
MINIMUM X	-.734	-.709	-.689
MAXIMUM Y	1.151	1.007	.451
MINIMUM Y	-1.297	-1.123	-.997
CENTROID X	.071	.152	.132
CENTROID Y	-.036	.100	-.018
POA TO CENTROID in.	.079	.187	.133
1 IN RADIUS	.102	.118	.122
MEAN RADIUS	.702	.578	.532
MAX RADIUS	1.490	1.212	1.089
HORIZONTAL SPREAD	1.678	1.572	1.572
VERTICAL SPREAD	2.448	2.130	1.448
EXTREME SPREAD	2.636	2.218	1.810
NUMBER IN ONE INCH CIRCLE =	4	4	4
NUMBER IN TWO INCH CIRCLE =	7	7	7
NUMBER IN THREE INCH CIRCLE =	10	10	10