

C6649202

MODEL 700™ N24

Model SMS™

Action

Barrel Length

Capacity

Order No. 5715

*Includes 1 in chamber.



Remington
MODEL 700™ M24

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

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

SERIAL NO.
C6649202

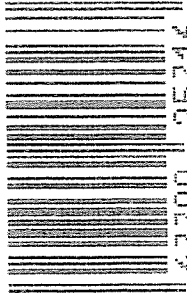
ORDER NO.
5716

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



5716 C6649202

UPC



0 47700 25716 7

GFM

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C 6649202

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		8/2/91	KL
600	Proof		8/2/91	KL
607	Check Headspace		8/2/91	KL
610	Dis-assemble Gun		8/2/91	KL
612	Magnaflux Barrel Action		AUG 7 1991	KR
	Magnaflux Bolt		AUG 7 1991	KR
615	Rollmark Caliber		AUG 7 1991	GB
617	Drill and Tap Sight Holes		AUG 7 1991	LB
618	Polish Barrel		AUG 13 1991	WB
620	Apply Coatings (Barrel Action)		8/27/91	KL
	Apply Coating (Bolt)			KL
625	Final Assembly A) Clean inside of Bolt Assembly		8/29/91	KL
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/29/91	KL
	C) Inspect Ejector Hole for Chamfer		8/29/91	KL
	D) Oil Firing Pin Ass'y		8/29/91	KL
	E) Adjust Trigger Pull to Min Setting and Stake		8/30/91	KL

op. #	BARBER - M24 0066278 OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			8/30/91	JK
	G) Safety Off Force	4	4	4			8/30/91	JK
	H) Trigger Pull Test & Retainability						8/30/91	JK
	I) Firing Pin Indent	.023	.023	.023			8/30/91	JK
	J) Assemble Stock						8/30/91	JK
	K) Assemble Swivel Studs						9-9-91	AC
	L) Attach Front and Rear Sight Assemblies						8/30/91	JK
	M) Iron Sight Alignment						8/30/91	JK
	N) Detach Front & Rear Sights & place in numbered container						8/30/91	JK
	O) Attach Scope to Rifle						8/30/91	JK
	P) Detach & Attach Scope 20 Times						8/30/91	JK
640	Gallery Target & Test						9/3/91	JK
	A) Time							JK
	B) Malfunctions							JK
	C) Pierced Primers							JK
	D) Optical Clarity of Scope							JK
645	Inspect for Live Ammo						9/3/91	JK
655	Final Inspection							
	A) Headspace						9-9-91	AC
	B) Trigger Pull	2.37	2.33	2.44	2.50	2.48	9/6/91	JK
	C) Function						9-9-91	AC
660	Pack						9-17-91	JK

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

SERIAL NO. C-6649202DATE 8/30/91TESTER JL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.33	2.29	2.38	2.37	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.38	2.35	2.30	2.33	
PULL #3	2.27	2.22	2.32	2.44	
PULL #4	2.37	2.37	2.30	2.50	
PULL #5	2.28	2.33	2.36	2.48	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.25	3.30		
PULL #2	3.42	3.30		
PULL #3	3.52	3.42		
PULL #4	3.42	3.38		
PULL #5	3.37	3.19		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.48	4.36		4.40
PULL #2	4.37	4.31		4.37
PULL #3	4.29	4.34		4.34
PULL #4	4.32	4.38		4.36
PULL #5	4.31	4.38		4.35
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6649202
1 Sep 1991

CENTROIDAL DISTANCES

0 TO 1	.0431045
1 TO 2	.231037
1 TO 3	.26978
1 TO 4	.181276
1 TO 5	.282252

$\frac{1}{2}$ <----POB

Y-COORDINATE FOR THIS RIFLE IS: -.0326
X-COORDINATE FOR THIS RIFLE IS: -.0474
AVERAGE POI RADIUS FOR THIS RIFLE IS: .0575284
RIFLE IS: 1.089

5 Sep 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6649202

CENTERFIRE PATTERNS

1

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS- 10

IN CIR

1in = 3

2in = 7

3in = 9

HS= 1.686

VS= 2.424

GS= 2.916

PATTERN #

1

SHOTS (BEST OF)

10

9

8

MAXIMUM X

.629

.511

.567

MINIMUM X

-1.057

-.558

-.502

MAXIMUM Y

1.318

1.333

1.213

MINIMUM Y

-1.106

-.960

-.790

CENTROID X

.043

.160

.104

CENTROID Y

-.003

-.149

-.029

POA TO CENTROID in.

.043

.219

.108

1IN RADIUS

.318

.164

.251

MEAN RADIUS

.843

.725

.683

MAX RADIUS

1.690

1.386

1.256

HORIZONTAL SPREAD

1.686

1.069

1.069

VERTICAL SPREAD

2.424

2.293

2.003

EXTREME SPREAD

2.916

2.437

2.152

NUMBER IN ONE INCH CIRCLE =

3

NUMBER IN TWO INCH CIRCLE =

7

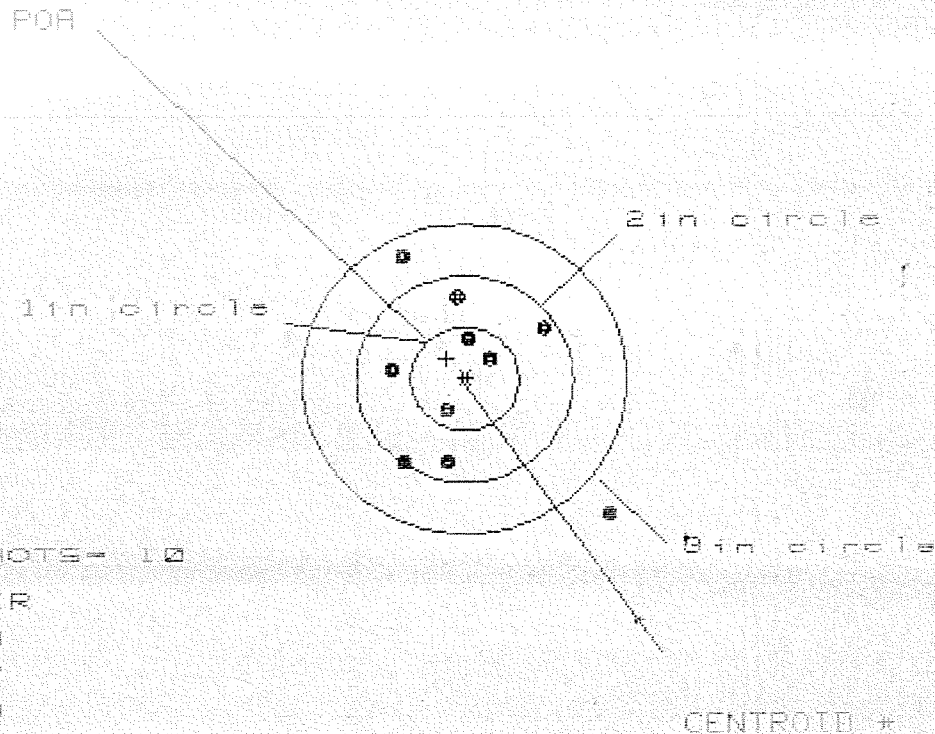
NUMBER IN THREE INCH CIRCLE =

9

3 Sep 1981

FILE:/PATTERNING/CENTERFIRE_PATT/06649282

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1in = 3

2in = 7

3in = 9

HS= 1.993

VS= 2.451

GS= 3.058

CENTROID +

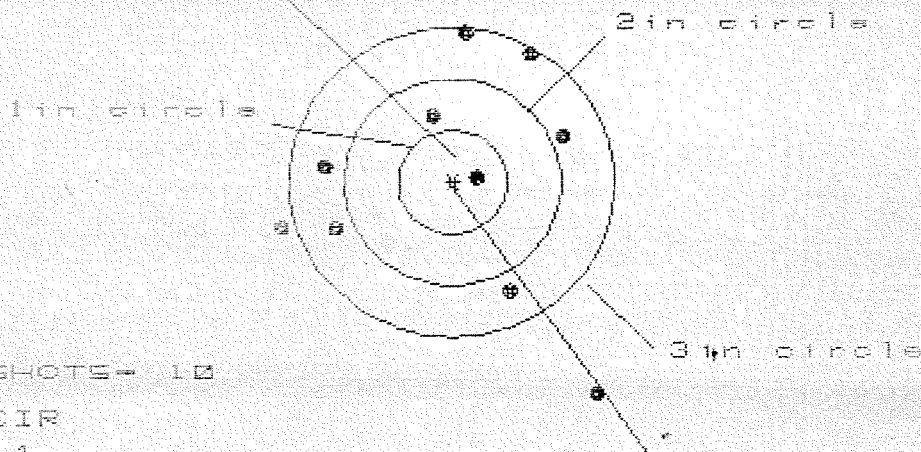
PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.288	.862	.813
MINIMUM X	-.705	-.562	-.611
MAXIMUM Y	1.194	1.055	.823
MINIMUM Y	-1.257	-.969	-.838
CENTROID X	.170	.027	.076
CENTROID Y	-.196	-.057	-.138
PQR TO CENTROID in.	.259	.062	.203
MIN RADIUS	.338	.325	.350
MEAN RADIUS	.847	.725	.667
MAX RADIUS	1.800	1.127	.981
HORIZONTAL SPREAD	1.993	1.424	1.424
VERTICAL SPREAD	2.451	2.024	1.661
EXTREME SPREAD	3.058	2.025	1.865
NUMBER IN ONE INCH CIRCLE	= 3		
NUMBER IN TWO INCH CIRCLE	= 7		
NUMBER IN THREE INCH CIRCLE	= 9		

3 Sep 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6B49202

CENTERFIRE PATTERNS # 3

POB



OF SHOTS- 10

IN CIR

1in = 1

2in = 2

3in = 8

HS= 2.906

VS= 3.458

GS= 3.681

CENTROID #

PATTERN #

3

SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.343	1.150	.974
MINIMUM X	-1.563	-1.414	-1.163
MAXIMUM Y	1.406	1.178	1.099
MINIMUM Y	-2.052	-1.319	-1.398
CENTROID X	-.223	-.372	-.196
CENTROID Y	-.048	.180	.259
POB TO CENTROID in.	.223	.413	.325
MIN RADIUS	.242	.425	.338
MEAN RADIUS	1.241	1.075	.991
MAX RADIUS	2.452	1.551	1.494
HORIZONTAL SPREAD	2.906	2.564	2.137
VERTICAL SPREAD	3.458	2.497	2.497
EXTREME SPREAD	3.681	2.803	2.541
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		2	
NUMBER IN THREE INCH CIRCLE =		8	

3 Sep 1991

FILE: /PATTERNING/CENTERFIRE_PATT/C8649202

CENTERFIRE PATTERNS

4

POA

1 in circle

2 in circle

3 in circle

OF SHOTS= 10

IN CIR

1 in = 1

2 in = 3

3 in = 9

HS= 2.858

VS= 2.500

GS= 3.053

CENTROID *

PATTERN #

SHOTS (BEST OF)

MAXIMUM X

MINIMUM X

MAXIMUM Y

MINIMUM Y

CENTROID X

CENTROID Y

POA TO CENTROID in.

MIN RADIUS

MEAN RADIUS

MAX RADIUS

HORIZONTAL SPREAD

VERTICAL SPREAD

EXTREME SPREAD

NUMBER IN ONE INCH CIRCLE =

NUMBER IN TWO INCH CIRCLE =

NUMBER IN THREE INCH CIRCLE =

10

9

8

1.451

1.295

1.009

-1.407

-1.099

-.937

1.369

1.348

1.404

-1.131

-.979

-.923

.033

.189

.027

.178

.026

-.030

.181

.191

.040

.440

.501

.619

1.117

1.004

.942

1.963

1.408

1.515

2.858

2.394

2.026

2.500

2.327

2.327

3.053

2.478

2.362

1

3

9

3 Sep 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6649282

CENTERFIRE PATTERNS

5

POB

1st circle

2nd circle

3rd circle

CENTROID *

OF SHOTS= 10

IN CIR

1in = 2

2in = 4

3in = 6

HS= 3.476

VS= 4.490

GS= 4.509

PATTERN #

5

SHOTS (BEST OF)

10

9

8

MAXIMUM X

1.814

1.630

1.451

MINIMUM X

-1.662

-1.530

-1.709

MAXIMUM Y

1.951

1.669

1.983

MINIMUM Y

-2.539

-1.309

-1.100

CENTROID X

-1.186

-1.002

-1.177

CENTROID Y

-1.168

.114

-1.095

POB TO CENTROID IN.

.251

.114

.201

MIN RADIUS

.155

.182

.289

MEAN RADIUS

1.397

1.166

1.040

MAX RADIUS

3.034

2.198

2.033

HORIZONTAL SPREAD

3.476

3.160

3.160

VERTICAL SPREAD

4.490

2.978

2.033

EXTREME SPREAD

4.509

3.948

3.197

NUMBER IN ONE INCH CIRCLE =

2

NUMBER IN TWO INCH CIRCLE =

4

NUMBER IN THREE INCH CIRCLE =

6