

FORM

**UPC**



0 47700 25716 7

**C6665829**

INCLUDES 1 IN CHAMBER

MODEL 700 TM M24

ORDER NO. 5716

BARREL LENGTH

CAPACITY\*

# Remington®



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

MODEL 700 <sup>TM</sup> 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 <sup>TM</sup> M24

UPC

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**GFM**

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6665-829

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

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

SWS TRIGGER PULL TEST

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

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

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

|         | 3.00#<br>INITIAL | 3.00# AFTER<br>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#<br>INITIAL | 4.00# AFTER<br>20 CYCLES | MAX SETTING<br>GREATER THAN 4# | RESET TO 4# FOR<br>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  |

3  
14 ←---POA  
2

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: .0530115  
THE AVE FOR THIS RIFLE IS: .09

19 Dec 1991

FILE: PATTERNING/CENTERFIRE\_PATT/C8685829

# CENTERFIRE PATTERNS

# 1

POB

1 in circle

2 in circle

3 in circle

# OF SHOTS = 10

# IN CIR

1 in = 1

2 in = 3

3 in = 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

-1.985

-2.046

-.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/06685823

# CENTERFIRE PATTERNS # 2

POB

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)

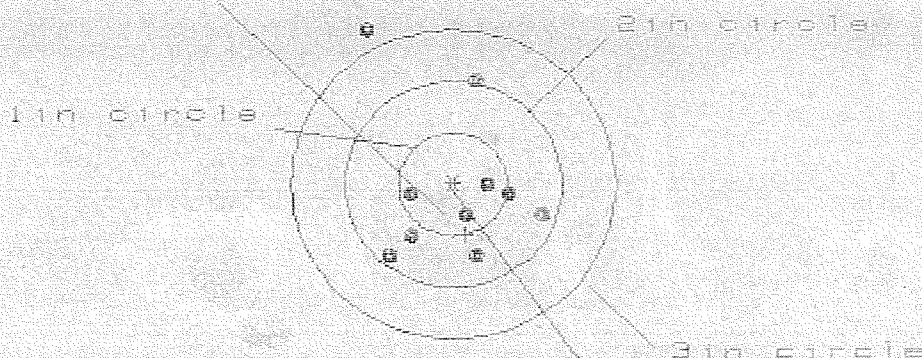
|                               |        |        |        |
|-------------------------------|--------|--------|--------|
| MAXIMUM X                     | 1.147  | 1.094  | 1.146  |
| MINIMUM X                     | -.782  | -.836  | -.784  |
| MAXIMUM Y                     | 1.278  | 1.096  | 1.167  |
| MINIMUM Y                     | -1.635 | -1.253 | -1.116 |
| CENTROID X                    | -.208  | -.154  | -.206  |
| CENTROID Y                    | -.428  | -.246  | -.383  |
| POB 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/06685829

# CENTERFIRE PATTERNS # 3

POA



# 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 | -.793 |
| 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\06685629

# CENTERFIRE PATTERNS

# 4

POA

1 in circle

2 in circle

3 in circle

# OF SHOTS- 10

# IN CIR

1 in = 3

2 in = 7

3 in = 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/C8665829

# 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

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

.108

-.018

POA TO CENTROID in.

.079

.187

.133

4 in RADIUS

.102

.118

.122

MEAN RADIUS

.702

.578

.532

MA- 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

2.210

1.810

NUMBER IN ONE INCH CIRCLE =

4

NUMBER IN TWO INCH CIRCLE =

7

NUMBER IN THREE INCH CIRCLE =

10