

BARBER - M24 0103324

FORM

UPC



C6665849

\*INCLUDES 1 IN CHAMBER

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER  
KINZER V. REMINGTON

BARBER - M24 0103324 M2400103363

MODEL 700 TM M24

5716

ORDER NO.

BARREL LENGTH

CAPACITY\*

**Remington**



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

MODEL 700 <sup>TM</sup> M24

SERIAL NO.  
C6665849

20

ORDER NO.  
**5716**

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



5716 C6665849

**ORDER 5716**

MODEL 700 <sup>TM</sup> M24

**UPC**



0 47700 25716 7

**ORDER 5716**

MODEL 700 <sup>TM</sup> M24

**UPC**



0 47700 25716 7

**GFM**

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

**C6665849**

| OP. #        | OP. NAME                                                       | READINGS | DATE       | INIT |
|--------------|----------------------------------------------------------------|----------|------------|------|
| 575 &<br>580 | Assemble Action<br>and Stock                                   |          | 9/25/91    | KL   |
| 600          | Proof                                                          |          | 9/25/91    | KL   |
| 607          | Check Headspace                                                |          | 9/25/91    | KL   |
| 610          | Dis-assemble Gun                                               |          | 9/25/91    | KL   |
| 612          | Magnaflux Barrel<br>Action                                     |          | OCT 2 1991 | KR   |
|              | Magnaflux Bolt                                                 |          | OCT 2 1991 | KR   |
| 615          | Rollmark Caliber                                               |          | OCT 2 1991 | LS   |
| 617          | Drill and Tap Sight Holes                                      |          | OCT 2 1991 | LB   |
| 618          | Polish Barrel                                                  |          | OCT 4 1991 | WB   |
| 620          | Apply Coatings<br>(Barrel Action)                              |          | 10/14/91   | HA   |
|              | Apply Coating (Bolt)                                           |          |            |      |
| 625          | Final Assembly<br>A) Clean inside of<br>Bolt Assembly          |          | 10/14/91   | KL   |
|              | B) Inspect Rear Firing<br>Pin Hole for Chamfer<br>in Bolt Head |          | 10/16/91   | KL   |
|              | C) Inspect Ejector Hole<br>for Chamfer                         |          | 10/16/91   | KL   |
|              | D) Oil Firing Pin Ass'y                                        |          | 10/16/91   | KL   |
|              | E) Adjust Trigger Pull to<br>Min Setting and Stake             |          | 10/17/91   | KL   |

| op. #        | OP. NAME<br>BARBER - M24 0103328                            | READINGS        |      |                 |      |      | DATE     | INIT |
|--------------|-------------------------------------------------------------|-----------------|------|-----------------|------|------|----------|------|
| 625<br>cont. | F) Safety On Force                                          | 6 $\frac{1}{4}$ | 6    | 6               |      |      | 10-17-91 | D/H  |
|              | G) Safety Off Force                                         | 2 $\frac{1}{4}$ | 2    | 2 $\frac{1}{4}$ |      |      | 10-17-91 | D/H  |
|              | H) Trigger Pull Test & Retainability                        |                 |      |                 |      |      | 10/17/91 | JH   |
|              | I) Firing Pin Indent                                        | 1021            | 1020 | 1022            |      |      | 10-17-91 | D/H  |
|              | J) Assemble Stock                                           |                 |      |                 |      |      | 10/17/91 | KH   |
|              | K) Assemble Swivel Studs                                    |                 |      |                 |      |      | 10-22-91 | AC   |
|              | L) Attach Front and Rear Sight Assemblies                   |                 |      |                 |      |      | 10/17/91 | KH   |
|              | M) Iron Sight Alignment                                     |                 |      |                 |      |      | 10/17/91 | Kd   |
|              | N) Detach Front & Rear Sights & place in numbered container |                 |      |                 |      |      | 10/17/91 | KH   |
|              | O) Attach Scope to Rifle                                    |                 |      |                 |      |      | 10/17/91 | Kd   |
|              | P) Detach & Attach Scope 20 Times                           |                 |      |                 |      |      | 10/17/91 | KH   |
| 640          | Gallery Target & Test                                       |                 |      |                 |      |      | 10-21-91 | AC   |
|              | A) Time                                                     |                 |      |                 |      |      | 10-21-91 | AC   |
|              | B) Malfunctions                                             |                 |      |                 |      |      | 10-21-91 | AC   |
|              | C) Pierced Primers                                          |                 |      |                 |      |      | 10-21-91 | AC   |
|              | D) Optical Clarity of Scope                                 |                 |      |                 |      |      | 10-21-91 | AC   |
| 645          | Inspect for Live Ammo                                       |                 |      |                 |      |      | 10-21-91 | AC   |
| 655          | Final Inspection                                            |                 |      |                 |      |      |          |      |
|              | A) Headspace                                                |                 |      |                 |      |      | 10-22-91 | AC   |
|              | B) Trigger Pull                                             | 2.25            | 2.25 | 2.24            | 2.10 | 2.26 | 10-22-91 | D/H  |
|              | C) Function                                                 |                 |      |                 |      |      | 10-22-91 | AC   |
| 660          | Pack                                                        |                 |      |                 |      |      | 12-17-91 | V    |

SWS TRIGGER PULL TEST

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

SERIAL NO C-6665849  
DATE 10/17/91  
TESTER JH

|         | 2.50#<br>INITIAL | 2.50# AFTER<br>50 CYCLES | FINAL TEST &<br>TO RESET 2.50# |     | COMMENTS                                                               |
|---------|------------------|--------------------------|--------------------------------|-----|------------------------------------------------------------------------|
| PULL #1 | 2.67             | 2.37                     | 2.38                           | 225 | MIN. SETTING,<br>NO AVG. OF 5<br>READINGS ACCEPT-<br>ABLE LESS THAN 2# |
| PULL #2 | 2.68             | 2.35                     | 2.30                           | 225 |                                                                        |
| PULL #3 | 2.66             | 2.28                     | 2.25                           | 224 |                                                                        |
| PULL #4 | 2.67             | 2.34                     | 2.38                           | 210 |                                                                        |
| PULL #5 | 2.40             | 2.36                     | 2.40                           | 226 |                                                                        |
| TOTAL   |                  |                          |                                |     |                                                                        |
| AVG.    |                  |                          |                                |     |                                                                        |

|         | 3.00#<br>INITIAL | 3.00# AFTER<br>20 CYCLES |  | COMMENTS |
|---------|------------------|--------------------------|--|----------|
| PULL #1 | 3.59             | 3.45                     |  |          |
| PULL #2 | 3.57             | 3.43                     |  |          |
| PULL #3 | 3.45             | 3.52                     |  |          |
| PULL #4 | 3.44             | 3.45                     |  |          |
| PULL #5 | 3.47             | 3.50                     |  |          |
| 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 | 4.25             | 4.22                     |                                | 4.60                                 |
| PULL #2 | 4.26             | 4.18                     |                                | 4.21                                 |
| PULL #3 | 4.57             | 4.53                     |                                | 4.60                                 |
| PULL #4 | 4.44             | 4.46                     |                                | 4.59                                 |
| PULL #5 | 4.36             | 4.42                     |                                | 4.54                                 |
| TOTAL   |                  |                          |                                |                                      |
| AVG.    |                  |                          |                                |                                      |

CENTROIDAL DISTANCE CALCULATIONS  
FOR RIFLE # C6665849  
21 OCT 1991

CENTROIDAL DISTANCES

|      |   |         |
|------|---|---------|
| 0 TO | 1 | .92717  |
| 1 TO | 2 | .95136  |
| 1 TO | 3 | .692878 |
| 1 TO | 4 | 1.01451 |
| 1 TO | 5 | 1.01613 |

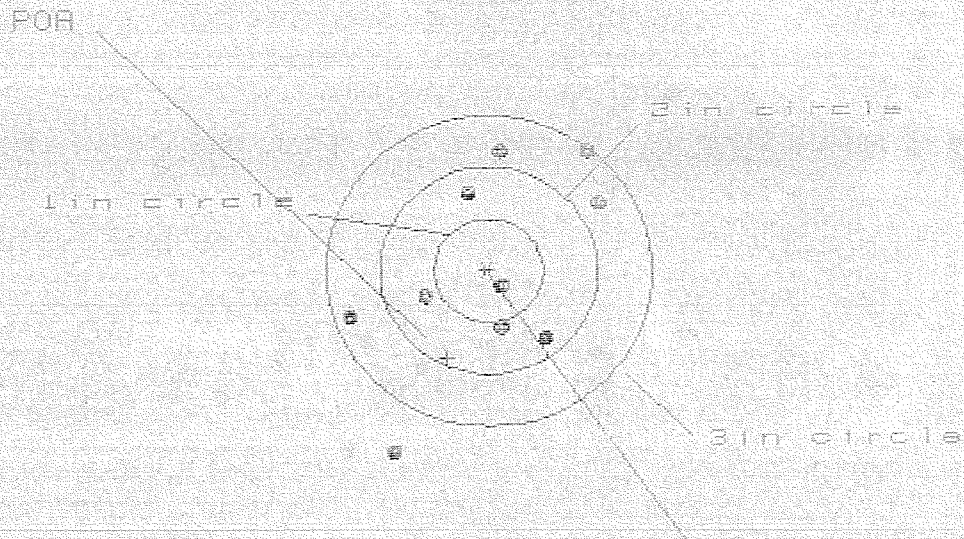
1  
3  
4 <--- POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1458  
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .154  
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .21207  
THE AHR FOR THIS RIFLE IS: .91

21 Oct 1991

FILE: \PATTERNING\CENTERFIRE\_PATT\CB665849

## CENTERFIRE PATTERNS # 1



# OF SHOTS= 10

# IN CIR

1 in = 1

2 in = 5

3 in = 8

HS= 2.267

VS= 2.988

GS= 3.483

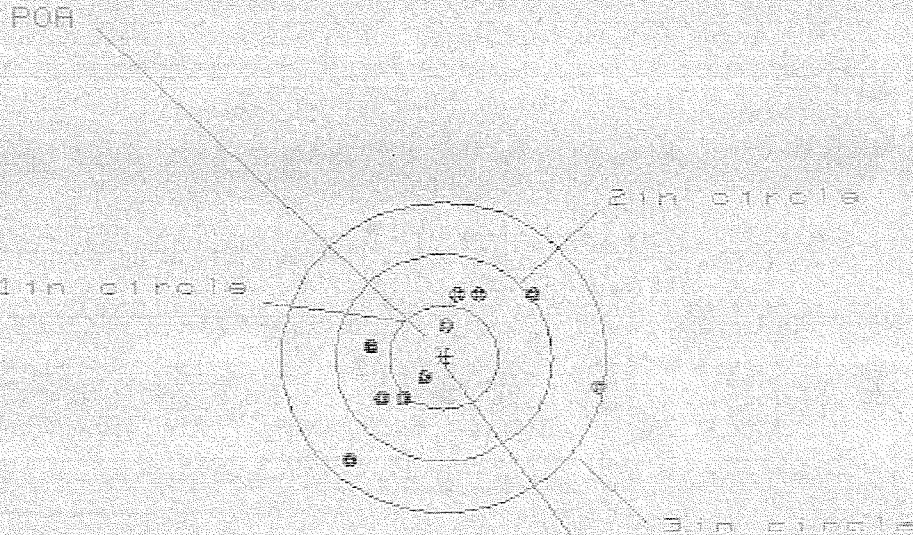
CENTROID #

| PATTERN #                     | 1      | 2      | 3      |
|-------------------------------|--------|--------|--------|
| SHOTS (BEST OF)               | 10     | 9      | 8      |
| MAXIMUM X                     | 1.031  | .932   | 1.038  |
| MINIMUM X                     | -1.236 | -1.335 | -1.228 |
| MAXIMUM Y                     | 1.197  | .998   | 1.119  |
| MINIMUM Y                     | -1.791 | -.852  | -.731  |
| CENTROID X                    | .386   | .485   | .378   |
| CENTROID Y                    | .843   | 1.042  | .921   |
| POA TO CENTROID in.           | .927   | 1.149  | .996   |
| MIN RADIUS                    | .170   | .330   | .239   |
| MEAN RADIUS                   | 1.024  | .921   | .852   |
| MAX RADIUS                    | 2.002  | 1.497  | 1.349  |
| HORIZONTAL SPREAD             | 2.267  | 2.267  | 2.267  |
| VERTICAL SPREAD               | 2.988  | 1.850  | 1.850  |
| EXTREME SPREAD                | 3.483  | 2.734  | 2.558  |
| NUMBER IN ONE INCH CIRCLE =   | 1      |        |        |
| NUMBER IN TWO INCH CIRCLE =   | 5      |        |        |
| NUMBER IN THREE INCH CIRCLE = | 8      |        |        |

21 Oct 1991

FILE: /PATTERNING/CENTERFIRE\_PATT/08665849

## CENTERFIRE PATTERNS # 2



# OF SHOTS= 10

# IN CIR

1 in = 2

2 in = 7

3 in = 10

HS= 2.332

VS= 1.652

GS= 2.434

CENTROID +

PATTERN #

2

SHOTS (BEST OF)

10

9

8

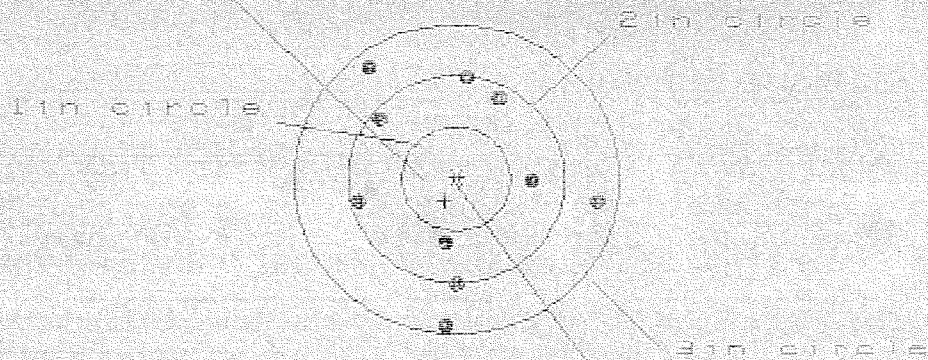
|                               |        |        |       |
|-------------------------------|--------|--------|-------|
| MAXIMUM X                     | 1.431  | .948   | .855  |
| MINIMUM X                     | -.901  | -.742  | -.586 |
| MAXIMUM Y                     | .650   | .616   | .487  |
| MINIMUM Y                     | -1.002 | -1.036 | -.591 |
| CENTROID X                    | -.025  | -.184  | -.091 |
| CENTROID Y                    | -.015  | .019   | .148  |
| POA TO CENTROID in.           | .029   | .185   | .174  |
| MIN RADIUS                    | .247   | .248   | .187  |
| MEAN RADIUS                   | .766   | .665   | .579  |
| MAX RADIUS                    | 1.463  | 1.274  | .977  |
| HORIZONTAL SPREAD             | 2.332  | 1.690  | 1.441 |
| VERTICAL SPREAD               | 1.652  | 1.652  | 1.077 |
| EXTREME SPREAD                | 2.434  | 2.354  | 1.730 |
| NUMBER IN ONE INCH CIRCLE =   |        | 2      |       |
| NUMBER IN TWO INCH CIRCLE =   |        | 7      |       |
| NUMBER IN THREE INCH CIRCLE = |        | 10     |       |

21 Oct 1991

FILE: /PATTERNING/CENTERFIRE\_PATT/06665849

## CENTERFIRE PATTERNS # 3

POA



# OF SHOTS- 10

# IN CIR

1 in = 2

2 in = 7

3 in = 10

HS= 2.119

VS= 2.475

GS= 2.577

CENTROID \*

PATTERN #

3

SHOTS (BEST OF)

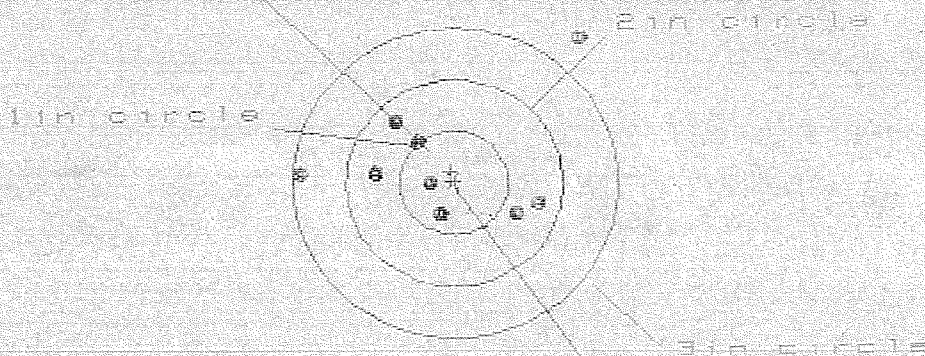
|                               | 10     | 9      | 8      |
|-------------------------------|--------|--------|--------|
| MAXIMUM X                     | 1.260  | 1.247  | 1.142  |
| MINIMUM X                     | -.860  | -.872  | -.977  |
| MAXIMUM Y                     | 1.101  | .949   | .942   |
| MINIMUM Y                     | -1.374 | -1.119 | -1.001 |
| CENTROID X                    | .102   | .114   | .219   |
| CENTROID Y                    | .211   | .363   | .245   |
| POA TO CENTROID in.           | .234   | .391   | .328   |
| MIN RADIUS                    | .641   | .705   | .586   |
| MEAN RADIUS                   | .996   | .944   | .894   |
| MAX RADIUS                    | 1.378  | 1.297  | 1.167  |
| HORIZONTAL SPREAD             | 2.119  | 2.119  | 2.119  |
| VERTICAL SPREAD               | 2.475  | 2.068  | 1.943  |
| EXTREME SPREAD                | 2.577  | 2.462  | 2.119  |
| NUMBER IN ONE INCH CIRCLE =   |        | 8      |        |
| NUMBER IN TWO INCH CIRCLE =   |        | 7      |        |
| NUMBER IN THREE INCH CIRCLE = |        | 10     |        |

21 Oct 1991

FILE:/PATTERNING/CENTERFIRE PATT/L8685849

## CENTERFIRE PATTERNS # 4

POB



# OF SHOTS- 10

# IN CIR

1 in = 2

2 in = 7

3 in = 8

HS= 2.551

VS= 3.321

GS= 3.338

CENTROID \*

| PATTERN #                   | 4      |        |        |
|-----------------------------|--------|--------|--------|
| SHOTS (BEST OF)             | 10     | 9      | 8      |
| MAXIMUM X                   | 1.143  | 1.233  | 1.059  |
| MINIMUM X                   | -1.408 | -1.318 | -1.164 |
| MAXIMUM Y                   | 1.433  | 1.223  | 1.504  |
| MINIMUM Y                   | -1.888 | -1.542 | -1.389 |
| CENTROID X                  | .030   | -.060  | -.214  |
| CENTROID Y                  | -.107  | .103   | -.050  |
| POB TO CENTROID in.         | .111   | .119   | .220   |
| MIN RADIUS                  | .271   | .282   | .068   |
| MEAN RADIUS                 | .933   | .790   | .617   |
| MAX RADIUS                  | 2.053  | 1.737  | 1.168  |
| HORIZONTAL SPREAD           | 2.551  | 2.551  | 2.223  |
| VERTICAL SPREAD             | 3.321  | 1.765  | 1.893  |
| EXTREME SPREAD              | 3.338  | 2.854  | 2.245  |
| NUMBER IN ONE INCH CIRCLE   | =      | 2      |        |
| NUMBER IN TWO INCH CIRCLE   | =      | 7      |        |
| NUMBER IN THREE INCH CIRCLE | =      | 8      |        |

21 Oct 1991

FILE: /PATTERNING/CENTERFIRE\_PATT/06685849

## CENTERFIRE PATTERNS # 5

POB

1in circle

2in circle

3in circle

# OF SHOTS- 10

# IN CIR

1in = 3

2in = 7

3in = 9

HS= 1.667

VS= 2.835

GS= 2.944

CENTROID #

## PATTERN #

SHOTS (BEST OF)

10

9

8

MAXIMUM X

.713

.739

.673

MINIMUM X

-.954

-.928

-.994

MAXIMUM Y

1.191

1.008

.605

MINIMUM Y

-1.644

-1.257

-1.131

CENTROID X

.236

.210

.276

CENTROID Y

-.162

.021

-.106

POB TO CENTROID in.

.296

.211

.296

MIN RADIUS

.291

.107

.241

MEAN RADIUS

.831

.705

.652

MAX RADIUS

1.660

1.258

1.137

HORIZONTAL SPREAD

1.667

1.667

1.667

VERTICAL SPREAD

2.835

2.265

1.735

EXTREME SPREAD

2.944

2.315

1.987

NUMBER IN ONE INCH CIRCLE =

3

NUMBER IN TWO INCH CIRCLE =

7

NUMBER IN THREE INCH CIRCLE =

9