

C6636007

MODEL 700<sup>TM</sup> M24

Model **SMS** <sup>TM</sup>

Action

Barrel Length

Capacity

Order No. **5716**

\*Includes 1 in chamber.

*Remington*

**Remington**  
MODEL 700™ M24

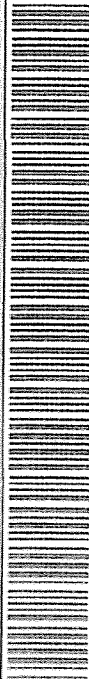
VERY IMPORTANT:  
Instruction Book  
enclosed to assure  
safe use of this  
firearm.

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

SERIAL NO.  
C6636007

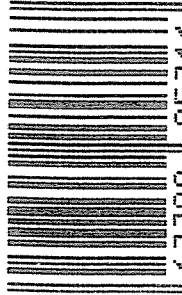
ORDER NO.  
5716

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



5716 C6636007

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6636007

| OP. #        | OP. NAME                                                       | READINGS | DATE        | INIT |
|--------------|----------------------------------------------------------------|----------|-------------|------|
| 575 &<br>580 | Assemble Action<br>and Stock                                   | 4 8      | 91          | RW   |
| 600          | Proof                                                          | 4 8      | 91          | RW   |
| 607          | Check Headspace                                                | 4 8      | 91          | RW   |
| 610          | Dis-assemble Gun                                               | 8        | 91          | RW   |
| 612          | Magnaflux Barrel<br>Action                                     |          | APR 9 1991  | KR   |
|              | Magnaflux Bolt                                                 |          | APR 9 1991  | CC   |
| 615          | Rollmark Caliber                                               |          | APR 9 1991  | YS   |
| 617          | Drill and Tap Sight Holes                                      |          | APR 19 1991 | LB   |
| 618          | Polish Barrel                                                  |          | APR 19 1991 | WB   |
| 620          | Apply Coatings<br>(Barrel Action)                              |          | 570-91      | JA   |
|              | Apply Coating (Bolt)                                           |          |             |      |
| 625          | Final Assembly<br>A) Clean inside of<br>Bolt Assembly          |          | 5/14/91     | RW   |
|              | B) Inspect Rear Firing<br>Pin Hole for Chamfer<br>in Bolt Head |          | 5/14/91     | RW   |
|              | C) Inspect Ejector Hole<br>for Chamfer                         |          | 5/14/91     | RW   |
|              | D) Oil Firing Pin Ass'y                                        |          | 5/14/91     | RW   |
|              | E) Adjust Trigger Pull to<br>Min Setting and Stake             |          | 6-4-91      | YM   |

| op. #        | BARBER M24 0036596                                          | READINGS |      |      |      |      | DATE    | INIT |
|--------------|-------------------------------------------------------------|----------|------|------|------|------|---------|------|
| 625<br>cont. | F) Safety On Force                                          | 5        | 5    | 5    |      |      | 6-4-91  | DH   |
|              | G) Safety Off Force                                         | 2        | 2    | 2    |      |      | 6-4-91  | DH   |
|              | H) Trigger Pull Test & Retainability                        |          |      |      |      |      | 6-4-91  | JH   |
|              | I) Firing Pin Indent                                        | .020     | .020 | .020 |      |      | 6-4-91  | DH   |
|              | J) Assemble Stock                                           |          |      |      |      |      | 6/5/91  | Rw   |
|              | K) Assemble Swivel Studs                                    |          |      |      |      |      | 6-8-91  | DH   |
|              | L) Attach Front and Rear Sight Assemblies                   |          |      |      |      |      | 6/5/91  | Rw   |
|              | M) Iron Sight Alignment                                     |          |      |      |      |      | 6/5/91  | Rw   |
|              | N) Detach Front & Rear Sights & place in numbered container |          |      |      |      |      | 6/5/91  | Rw   |
|              | O) Attach Scope to Rifle                                    |          |      |      |      |      | 6/5/91  | Rw   |
|              | P) Detach & Attach Scope 20 Times                           |          |      |      |      |      | 6/5/91  | Rw   |
| 640          | Gallery Target & Test                                       |          |      |      |      |      | 6-5-91  | AF   |
|              | A) Time                                                     |          |      |      |      |      | "       | AF   |
|              | B) Malfunctions                                             |          |      |      |      |      | "       | AF   |
|              | C) Pierced Primers                                          |          |      |      |      |      | "       | AF   |
|              | D) Optical Clarity of Scope                                 |          |      |      |      |      | "       | AF   |
| 645          | Inspect for Live Ammo                                       |          |      |      |      |      | 6-5-91  | AF   |
| 655          | Final Inspection                                            |          |      |      |      |      |         |      |
|              | A) Headspace                                                |          |      |      |      |      | 6-8-91  | DH   |
|              | B) Trigger Pull                                             | 2.32     | 2.24 | 2.27 | 2.26 | 2.19 | 6-8-91  | JH   |
|              | C) Function                                                 |          |      |      |      |      | 6-8-91  | DH   |
| 660          | Pack                                                        |          |      |      |      |      | 6-20-91 | AF   |

AVERAGE PULL FORCE BETWEEN  
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C-6636007

DATE 6-4-91

TESTER JH

|         | 2.50#<br>INITIAL | 2.50# AFTER<br>50 CYCLES | FINAL TEST &<br>TO RESET 2.50# |      | COMMENTS                                                               |
|---------|------------------|--------------------------|--------------------------------|------|------------------------------------------------------------------------|
| PULL #1 | 2.26             | 2.29                     | 2.29                           | 2.32 | MIN. SETTING,<br>NO AVG. OF 5<br>READINGS ACCEPT-<br>ABLE LESS THAN 2# |
| PULL #2 | 2.33             | 2.30                     | 2.35                           | 2.24 |                                                                        |
| PULL #3 | 2.24             | 2.26                     | 2.28                           | 2.27 |                                                                        |
| PULL #4 | 2.19             | 2.39                     | 2.28                           | 2.26 |                                                                        |
| PULL #5 | 2.33             | 2.31                     | 2.34                           | 2.19 |                                                                        |
| TOTAL   |                  |                          |                                |      |                                                                        |
| AVG.    |                  |                          |                                |      |                                                                        |

|         | 3.00#<br>INITIAL | 3.00# AFTER<br>20 CYCLES |  | COMMENTS |
|---------|------------------|--------------------------|--|----------|
| PULL #1 | 3.33             | 3.46                     |  |          |
| PULL #2 | 2.27             | 3.39                     |  |          |
| PULL #3 | 3.36             | 3.40                     |  |          |
| PULL #4 | 3.39             | 3.36                     |  |          |
| PULL #5 | 3.44             | 3.43                     |  |          |
| 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 | 4.21             | 4.18                     |                                | 4.28                                 |
| PULL #2 | 4.14             | 4.15                     |                                | 4.28                                 |
| PULL #3 | 4.46             | 4.36                     |                                | 4.33                                 |
| PULL #4 | 4.23             | 4.25                     |                                | 4.40                                 |
| PULL #5 | 4.37             | 4.18                     |                                | 4.35                                 |
| TOTAL   |                  |                          |                                |                                      |
| AVG.    |                  |                          |                                |                                      |

CENTROIDAL DISTANCE CALCULATIONS  
FOR RIFLE # 06636007  
5 Jun 1991

CENTROIDAL DISTANCES

|      |   |         |
|------|---|---------|
| 0 TO | 1 | .132185 |
| 1 TO | 2 | .265957 |
| 1 TO | 3 | .296589 |
| 1 TO | 4 | .261077 |
| 1 TO | 5 | .21     |

⊥ <----POI

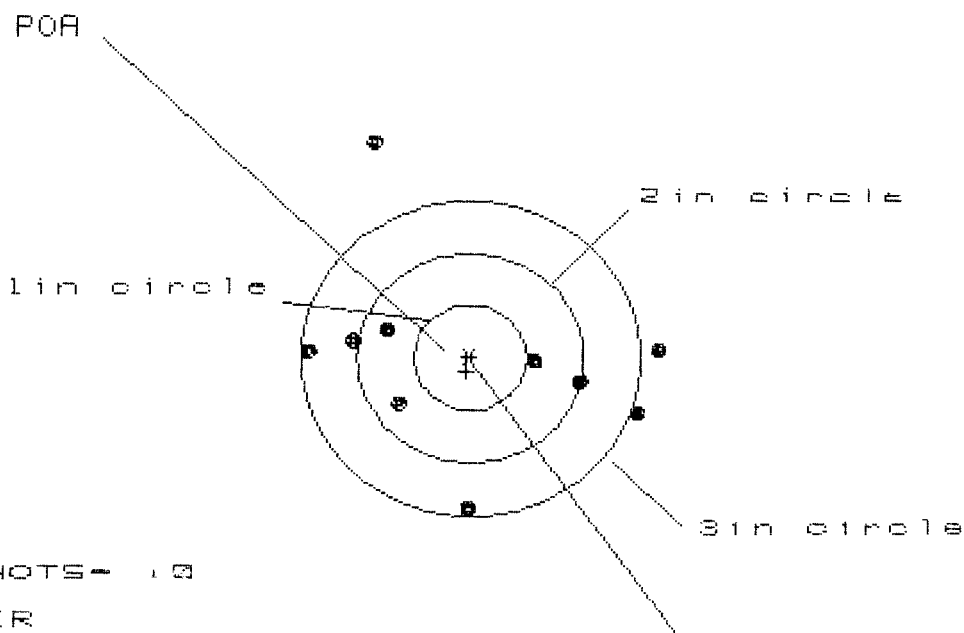
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0032  
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0556  
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .055692

THE AMR FOR THIS RIFLE IS: 1.048

5 Jun 1991

FILE:/PATTERNING/CENTERFIRE\_PATT/06636007

## CENTERFIRE PATTERNS # 1



# OF SHOTS - 10

# IN CIR

1 in = 0

2 in = 3

3 in = 7

HS = 3.082

VS = 3.469

GS = 3.552

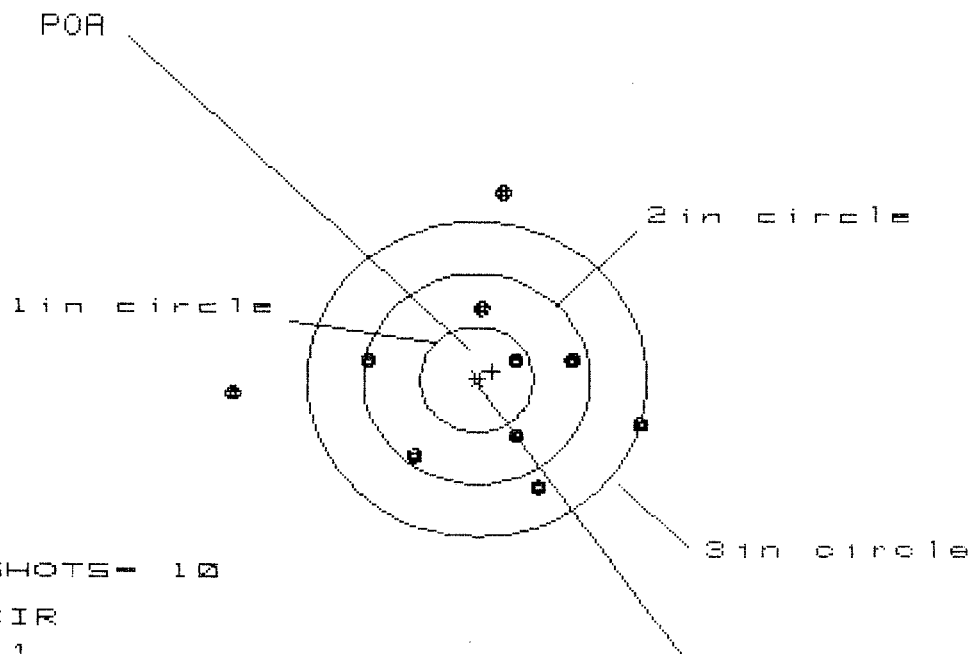
CENTROID \*

| PATTERN #                     | 1      | 2      | 3      |
|-------------------------------|--------|--------|--------|
| SHOTS (BEST OF)               | 10     | 9      | 8      |
| MAXIMUM X                     | 1.649  | 1.557  | 1.612  |
| MINIMUM X                     | -1.433 | -1.525 | -1.330 |
| MAXIMUM Y                     | 2.034  | .535   | .576   |
| MINIMUM Y                     | -1.435 | -1.209 | -1.168 |
| CENTROID X                    | .033   | .125   | -.070  |
| CENTROID Y                    | .128   | -.098  | -.139  |
| POA TO CENTROID in.           | .132   | .158   | .156   |
| MIN RADIUS                    | .555   | .490   | .545   |
| MEAN RADIUS                   | 1.250  | 1.125  | 1.048  |
| MAX RADIUS                    | 2.195  | 1.593  | 1.634  |
| HORIZONTAL SPREAD             | 3.082  | 3.082  | 2.942  |
| VERTICAL SPREAD               | 3.469  | 1.744  | 1.744  |
| EXTREME SPREAD                | 3.552  | 3.082  | 3.008  |
| NUMBER IN ONE INCH CIRCLE =   | 0      |        |        |
| NUMBER IN TWO INCH CIRCLE =   | 3      |        |        |
| NUMBER IN THREE INCH CIRCLE = | 7      |        |        |

5 Jun 1991

FILE:/PATTERNING/CENTERFIRE\_PATT/C6636007

## CENTERFIRE PATTERNS # 2



# OF SHOTS- 10

# IN CIR

1 in - 1

2 in - 6

3 in - 8

HS- 3.594

VS- 2.766

GS- 3.601

| PATTERN #                   | : | 2      |        |        |
|-----------------------------|---|--------|--------|--------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | 1.405  | 1.162  | 1.161  |
| MINIMUM X                   | : | -2.189 | -1.197 | -1.198 |
| MAXIMUM Y                   | : | 1.724  | 1.705  | .876   |
| MINIMUM Y                   | : | -1.042 | -1.061 | -.848  |
| CENTROID X                  | : | -.140  | .103   | .104   |
| CENTROID Y                  | : | -.074  | -.055  | -.268  |
| POA TO CENTROID in.         | : | .158   | .117   | .288   |
| MIN RADIUS                  | : | .377   | .161   | .338   |
| MEAN RADIUS                 | : | 1.103  | .935   | .828   |
| MAX RADIUS                  | : | 2.196  | 1.705  | 1.245  |
| HORIZONTAL SPREAD           | : | 3.594  | 2.359  | 2.359  |
| VERTICAL SPREAD             | : | 2.766  | 2.766  | 1.724  |
| EXTREME SPREAD              | : | 3.601  | 2.778  | 2.421  |
| NUMBER IN ONE INCH CIRCLE   | = |        | 1      |        |
| NUMBER IN TWO INCH CIRCLE   | = |        | 6      |        |
| NUMBER IN THREE INCH CIRCLE | = |        | 8      |        |

5 Jun 1991

FILE:/PATTERNING/CENTERFIRE\_PATT/C6636007

## CENTERFIRE PATTERNS # 3

POA

1 in circle

2 in circle

3 in circle

CENTROID \*

# OF SHOTS- 10

# IN CIR

1 in = 2

2 in = 5

3 in = 8

HS= 1.910

VS= 3.338

GS= 3.496

| PATTERN #                   | : | 3      |        |        |
|-----------------------------|---|--------|--------|--------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | .639   | .594   | .625   |
| MINIMUM X                   | : | -1.271 | -1.316 | -1.242 |
| MAXIMUM Y                   | : | 1.849  | 1.469  | 1.308  |
| MINIMUM Y                   | : | -1.489 | -1.284 | -.809  |
| CENTROID X                  | : | -.013  | .032   | -.042  |
| CENTROID Y                  | : | -.165  | -.370  | -.209  |
| POA TO CENTROID in.         | : | .165   | .371   | .214   |
| MIN RADIUS                  | : | .188   | .087   | .177   |
| MEAN RADIUS                 | : | .992   | .859   | .796   |
| MAX RADIUS                  | : | 1.892  | 1.479  | 1.332  |
| HORIZONTAL SPREAD           | : | 1.910  | 1.910  | 1.867  |
| VERTICAL SPREAD             | : | 3.338  | 2.753  | 2.117  |
| EXTREME SPREAD              | : | 3.496  | 2.785  | 2.203  |
| NUMBER IN ONE INCH CIRCLE   | = |        | 2      |        |
| NUMBER IN TWO INCH CIRCLE   | = |        | 5      |        |
| NUMBER IN THREE INCH CIRCLE | = |        | 8      |        |

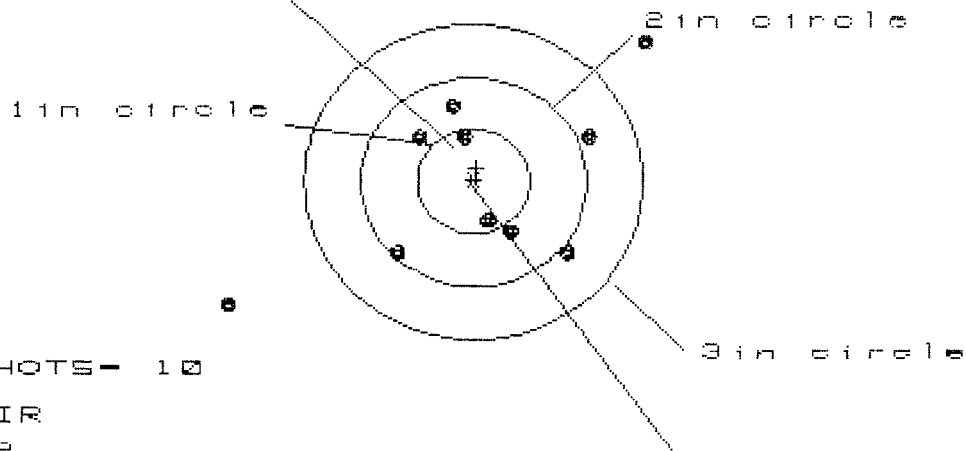
5 Jun 1991

FILE:/PATTERNING/CENTERFIRE\_PATT/C6636007

## CENTERFIRE PATTERNS

# 4

POA



# OF SHOTS- 10

# IN CIR

1in = 2

2in = 6

3in = 8

HS= 3.615

VS= 2.543

GS= 4.420

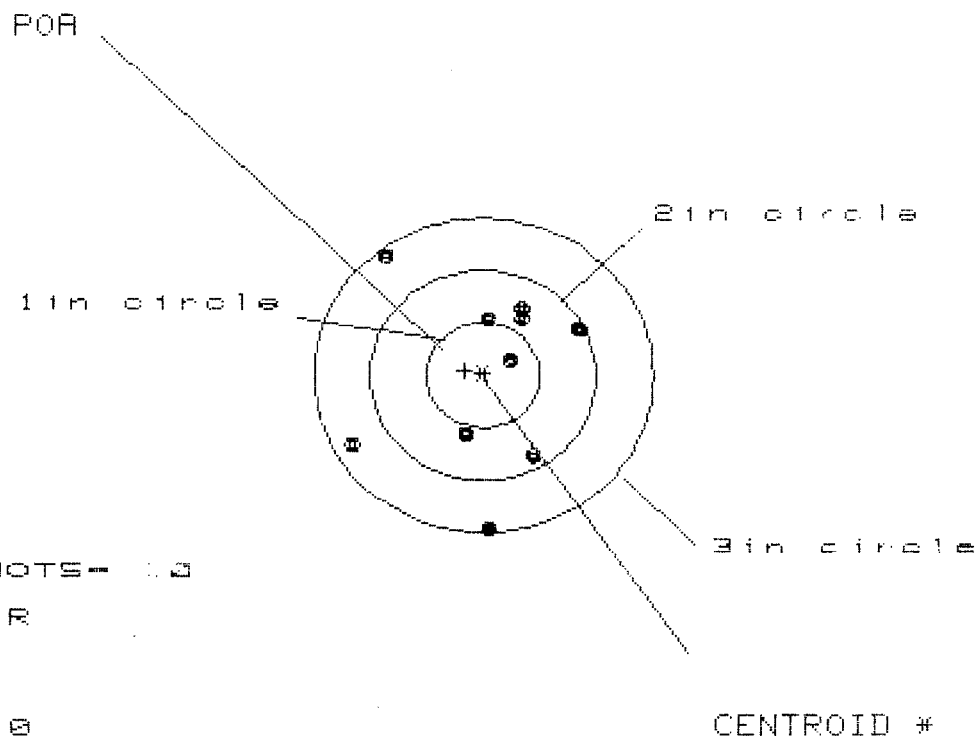
CENTROID \*

| PATTERN #                   | : | 4      |       |       |
|-----------------------------|---|--------|-------|-------|
| SHOTS (BEST OF)             | : | 10     | 9     | 8     |
| MAXIMUM X                   | : | 1.481  | 1.244 | .926  |
| MINIMUM X                   | : | -2.134 | -.960 | -.805 |
| MAXIMUM Y                   | : | 1.339  | 1.205 | .756  |
| MINIMUM Y                   | : | -1.204 | -.792 | -.641 |
| CENTROID X                  | : | -.023  | .214  | .059  |
| CENTROID Y                  | : | -.127  | .007  | -.144 |
| POA TO CENTROID in.         | : | .129   | .214  | .156  |
| MIN RADIUS                  | : | .364   | .438  | .340  |
| MEAN RADIUS                 | : | 1.029  | .871  | .729  |
| MAX RADIUS                  | : | 2.450  | 1.732 | 1.019 |
| HORIZONTAL SPREAD           | : | 3.615  | 2.204 | 1.731 |
| VERTICAL SPREAD             | : | 2.543  | 1.997 | 1.397 |
| EXTREME SPREAD              | : | 4.420  | 2.963 | 2.025 |
| NUMBER IN ONE INCH CIRCLE   | = |        | 2     |       |
| NUMBER IN TWO INCH CIRCLE   | = |        | 6     |       |
| NUMBER IN THREE INCH CIRCLE | = |        | 8     |       |

5 Jun 1991

FILE:/PATTERNING/CENTERFIRE\_PATT/C6636607

## CENTERFIRE PATTERNS # 5



# OF SHOTS- 10

# IN CIR

1in - 1

2in - 7

3in - 10

HS- 1.942

VS= 2.514

GS= 2.659

| PATTERN #                   | : | 5      | 9      | 8      |
|-----------------------------|---|--------|--------|--------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | .821   | .821   | .713   |
| MINIMUM X                   | : | -1.121 | -1.121 | -1.229 |
| MAXIMUM Y                   | : | 1.104  | .948   | .639   |
| MINIMUM Y                   | : | -1.410 | -.944  | -.826  |
| CENTROID X                  | : | .159   | .159   | .267   |
| CENTROID Y                  | : | -.040  | .116   | -.002  |
| POA TO CENTROID in.         | : | .164   | .197   | .267   |
| MIN RADIUS                  | : | .253   | .206   | .147   |
| MEAN RADIUS                 | : | .868   | .778   | .704   |
| MAX RADIUS                  | : | 1.410  | 1.407  | 1.430  |
| HORIZONTAL SPREAD           | : | 1.942  | 1.942  | 1.942  |
| VERTICAL SPREAD             | : | 2.514  | 1.892  | 1.465  |
| EXTREME SPREAD              | : | 2.659  | 2.280  | 2.246  |
| NUMBER IN ONE INCH CIRCLE   | = | 1      |        |        |
| NUMBER IN TWO INCH CIRCLE   | = | 7      |        |        |
| NUMBER IN THREE INCH CIRCLE | = | 10     |        |        |