

C6587749

MODEL 700<sup>TM</sup> M24

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

Action

Barrel Length

Capacity

Order No. **5716**

\*Includes 1 in chamber.

*Remington*

**Remington®**  
REG. U.S. PAT. & TM. OFF.

**MODEL 700™ H24**

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

**DUPONT**

**SERIAL NO.**  
C6587749

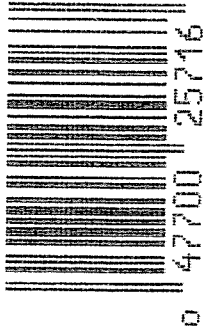
**ORDER NO.**  
5716

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

20

5716 C6587749

UPC



CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6587749

| OP. #        | OP. NAME                                                       | READINGS | DATE     | INIT |
|--------------|----------------------------------------------------------------|----------|----------|------|
| 575 &<br>580 | Assemble Action<br>and Stock                                   | 1024     | 50       | RW   |
| 600          | Proof                                                          | 1024     | 90       | RW   |
| 607          | Check Headspace                                                | 1024     | 50       | RW   |
| 610          | Dis-assemble Gun                                               | 1024     | 90       | RW   |
| 612          | Magnaflux Barrel<br>Action                                     |          | 10/30/90 | KR   |
| 614          | Magnaflux Bolt                                                 |          | "        | KR   |
| 615          | Rollmark Caliber                                               |          | "        | LG   |
| 617          | Drill and Tap Sight Holes                                      |          | 11/9/90  | FB   |
| 618          | Polish Barrel AB                                               |          | 11/6/90  | WB   |
| 620          | Apply Coatings<br>(Barrel Action)                              |          | 11/20/90 | TA   |
|              | Apply Coating (Bolt)                                           |          |          |      |
| 625          | Final Assembly<br>A) Clean inside of<br>Bolt Assembly          |          | 12/12/90 | RW   |
|              | B) Inspect Rear Firing<br>Pin Hole for Chamfer<br>in Bolt Head |          | 12/12/90 | RW   |
|              | C) Inspect Ejector Hole<br>for Chamfer                         |          | 12/12/90 | RW   |
|              | D) Oil Firing Pin Ass'y                                        |          | 12/12/90 | RW   |
|              | E) Adjust Trigger Pull to<br>Min Setting and Stake             |          | 1-3-91   | DH   |

| op. #        | OP. NAME                                                    | READINGS |       |       |       |       | DATE    | INIT |
|--------------|-------------------------------------------------------------|----------|-------|-------|-------|-------|---------|------|
| 625<br>cont. | F) Safety On Force                                          | 4        | 4     | 4     | 4     | 4     | 1/3/91  | WB   |
|              | G) Safety Off Force                                         | 2 3/4    | 2 3/4 | 2 3/4 | 2 3/4 | 2 3/4 | 1/3/91  | WB   |
|              | H) Trigger Pull Test & Retainability                        |          |       |       |       |       | 1-3-91  | DH   |
|              | I) Firing Pin Indent                                        | .021     | .021  | .021  | .021  | .021  | 1/3/91  | WB   |
|              | J) Assemble Stock                                           |          |       |       |       |       | 1/4/91  | RW   |
|              | K) Assemble Swivel Studs                                    |          |       |       |       |       | 1-14-91 | JH   |
|              | L) Attach Front and Rear Sight Assemblies                   |          |       |       |       |       | 1/4/91  | RW   |
|              | M) Iron Sight Alignment                                     |          |       |       |       |       | 1/4/91  | RW   |
|              | N) Detach Front & Rear Sights & place in numbered container |          |       |       |       |       | 1/4/91  | RW   |
|              | O) Attach Scope to Rifle                                    |          |       |       |       |       | 1/4/91  | RW   |
|              | P) Detach & Attach Scope 20 Times                           |          |       |       |       |       | 1/4/91  | RW   |
| 640          | Gallery Target & Test                                       |          |       |       |       |       | 1-11-91 | NF   |
|              | A) Time                                                     |          |       |       |       |       | "       | NF   |
|              | B) Malfunctions                                             |          |       |       |       |       | "       | NF   |
|              | C) Pierced Primers                                          |          |       |       |       |       | "       | NF   |
|              | D) Optical Clarity of Scope                                 |          |       |       |       |       | "       | NF   |
| 645          | Inspect for Live Ammo                                       |          |       |       |       |       | 1-11-91 | NF   |
| 655          | Final Inspection                                            |          |       |       |       |       |         |      |
|              | A) Headspace                                                |          |       |       |       |       | 1-14-91 | JH   |
|              | B) Trigger Pull                                             | 2.60     | 2.19  | 2.27  | 2.33  | 2.26  | 1-14-91 | JH   |
|              | C) Function                                                 |          |       |       |       |       | 1-14-91 | JH   |
| 660          | Pack                                                        |          |       |       |       |       | 3-19-91 | NF   |

AVERAGE PULL FORCE BETWEEN  
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. CC587749DATE 1-7-91TESTER DH

|         | 2.50#<br>INITIAL | 2.50# AFTER<br>50 CYCLES | FINAL TEST &<br>TO RESET 2.50# |      | COMMENTS          |
|---------|------------------|--------------------------|--------------------------------|------|-------------------|
| PULL #1 | 2.54             | 2.56                     | 2.61                           | 2.60 | MIN. SETTING,     |
| PULL #2 | 2.54             | 2.59                     | 2.61                           | 2.19 | NO AVG. OF 5      |
| PULL #3 | 2.58             | 2.57                     | 2.58                           | 2.27 | READINGS ACCEPT-  |
| PULL #4 | 2.54             | 2.55                     | 2.64                           | 2.33 | ABLE LESS THAN 2# |
| PULL #5 | 2.55             | 2.55                     | 2.57                           | 2.26 |                   |
| TOTAL   | 12.75            | 128.2                    | 130.1                          |      |                   |
| AVG.    | 2.51             | 2.56                     | 2.60                           |      |                   |

|         | 3.00#<br>INITIAL | 3.00# AFTER<br>20 CYCLES |  | COMMENTS |
|---------|------------------|--------------------------|--|----------|
| PULL #1 | 3.40             | 3.35                     |  |          |
| PULL #2 | 3.41             | 3.28                     |  |          |
| PULL #3 | 3.33             | 3.32                     |  |          |
| PULL #4 | 3.35             | 3.32                     |  |          |
| PULL #5 | 3.36             | 3.32                     |  |          |
| TOTAL   | 16.85            | 16.59                    |  |          |
| AVG.    | 3.37             | 3.31                     |  |          |

|         | 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 | 4.37             | 4.33                     |                                | 4.11                                 |
| PULL #2 | 4.33             | 4.31                     |                                | 4.16                                 |
| PULL #3 | 4.36             | 4.11                     |                                | 4.17                                 |
| PULL #4 | 4.35             | 4.28                     |                                | 4.15                                 |
| PULL #5 | 4.24             | 4.24                     |                                | 4.12                                 |
| TOTAL   | 21.65            | 21.27                    |                                |                                      |
| AVG.    | 4.33             | 4.25                     |                                |                                      |

CENTROIDAL DISTANCE CALCULATIONS  
FOR RIFLE # C6587749  
11 Jan 1991

CENTROIDAL DISTANCES

|        |          |
|--------|----------|
| Ø TO 1 | .420195  |
| 1 TO 2 | .458443  |
| 1 TO 3 | .0362215 |
| 1 TO 4 | .614232  |
| 1 TO 5 | .487333  |

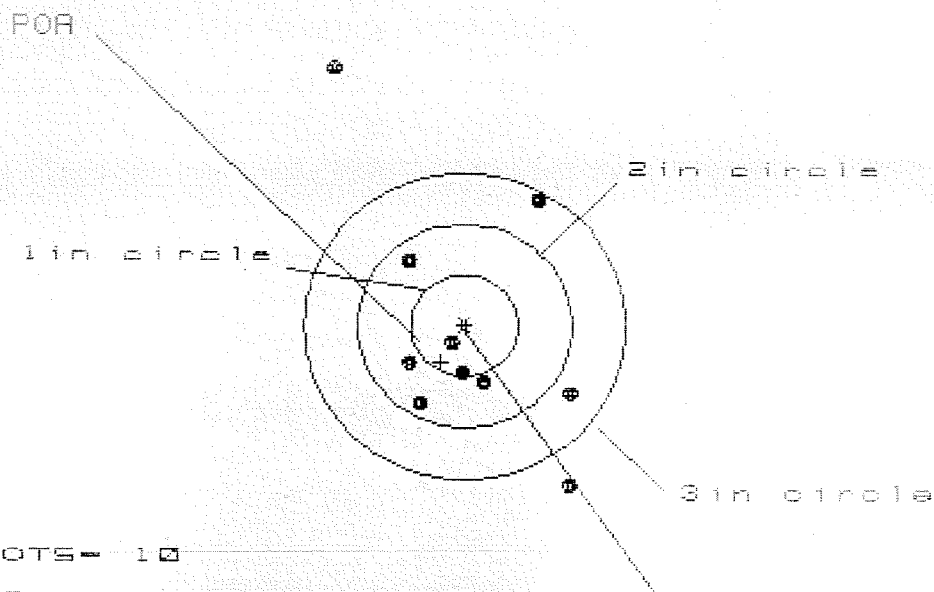
 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0934  
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0762  
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .12054  
THE AMR FOR THIS RIFLE IS: 1.184

11 Jan 1991

FILE:/PATTERNING/CENTERFIRE\_PATT/C6587749

## CENTERFIRE PATTERNS # 1



# OF SHOTS = 10

# IN CIR

1 in = 2

2 in = 6

3 in = 8

HS = 2.251

VS = 4.180

GS = 4.700

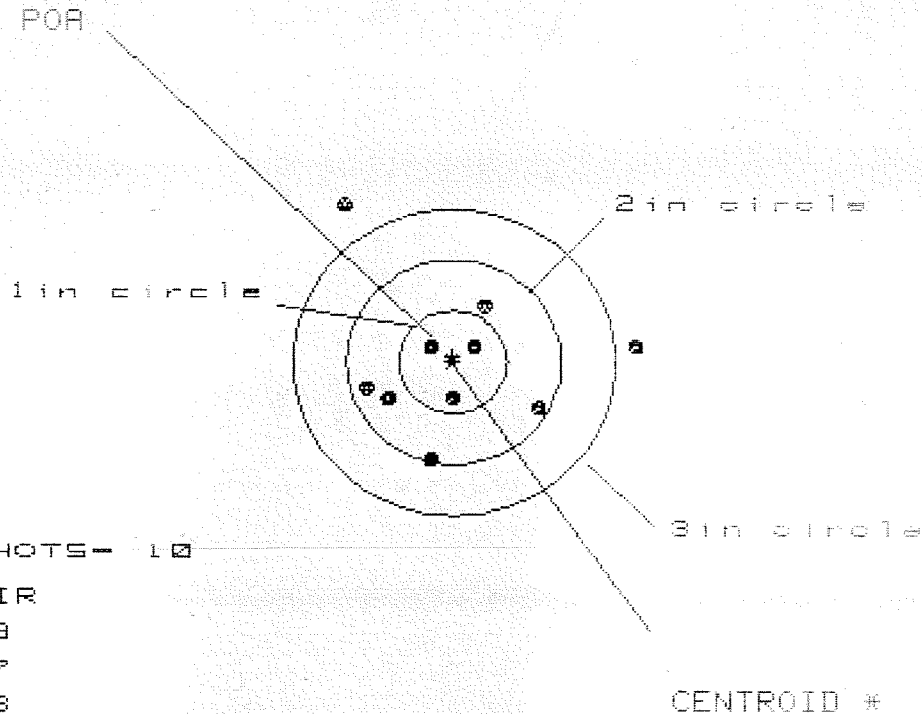
CENTROID \*

| PATTERN #                     | 1      | 9      | 8     |
|-------------------------------|--------|--------|-------|
| SHOTS (BEST OF)               | 10     | 9      | 8     |
| MAXIMUM X                     | 1.025  | .889   | .989  |
| MINIMUM X                     | -1.226 | -.678  | -.578 |
| MAXIMUM Y                     | 2.585  | 1.558  | 1.394 |
| MINIMUM Y                     | -1.596 | -1.308 | -.586 |
| CENTROID X                    | .220   | .356   | .256  |
| CENTROID Y                    | .358   | .071   | .235  |
| POA TO CENTROID in.           | .421   | .363   | .347  |
| MIN RADIUS                    | .222   | .241   | .165  |
| MEAN RADIUS                   | 1.090  | .823   | .737  |
| MAX RADIUS                    | 2.861  | 1.643  | 1.527 |
| HORIZONTAL SPREAD             | 2.251  | 1.567  | 1.567 |
| VERTICAL SPREAD               | 4.180  | 2.866  | 1.930 |
| EXTREME SPREAD                | 4.700  | 2.880  | 2.232 |
| NUMBER IN ONE INCH CIRCLE =   | 2      |        |       |
| NUMBER IN TWO INCH CIRCLE =   | 6      |        |       |
| NUMBER IN THREE INCH CIRCLE = | 8      |        |       |

11 Jan 1991

FILE:/PATTERNING/CENTERFIRE\_PATT/C6587749

## CENTERFIRE PATTERNS # 2



# OF SHOTS - 10

# IN CIR

1 in - 3

2 in - 7

3 in - 8

HS- 2.682

VS- 2.500

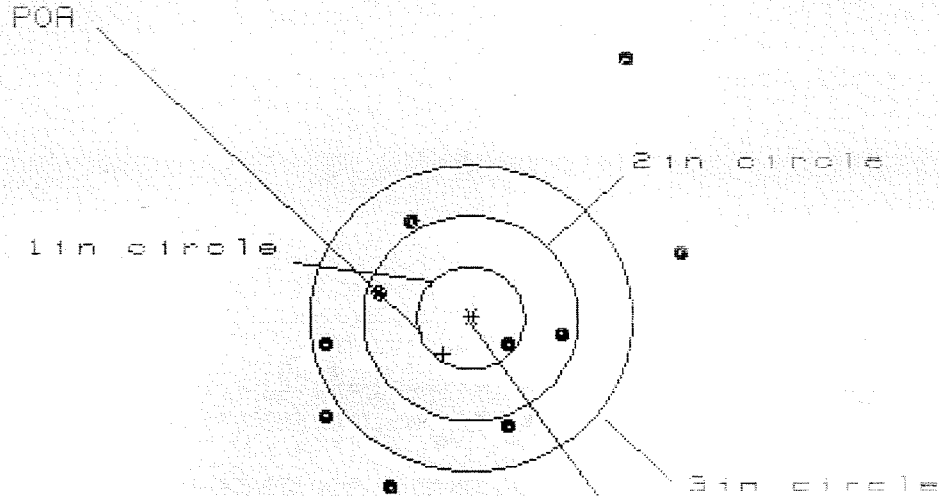
GS- 3.022

| PATTERN #                     | 2      |       |       |
|-------------------------------|--------|-------|-------|
| SHOTS (BEST OF)               | 10     | 9     | 8     |
| MAXIMUM X                     | 1.643  | 1.527 | .885  |
| MINIMUM X                     | -1.039 | -.927 | -.736 |
| MAXIMUM Y                     | 1.502  | .673  | .707  |
| MINIMUM Y                     | -.998  | -.831 | -.797 |
| CENTROID X                    | .009   | .125  | -.066 |
| CENTROID Y                    | -.049  | -.216 | -.250 |
| POA TO CENTROID in.           | .050   | .249  | .259  |
| MIN RADIUS                    | .217   | .190  | .120  |
| MEAN RADIUS                   | .837   | .730  | .597  |
| MAX RADIUS                    | 1.826  | 1.552 | .927  |
| HORIZONTAL SPREAD             | 2.682  | 2.454 | 1.621 |
| VERTICAL SPREAD               | 2.500  | 1.504 | 1.504 |
| EXTREME SPREAD                | 3.022  | 2.483 | 1.634 |
| NUMBER IN ONE INCH CIRCLE =   |        | 3     |       |
| NUMBER IN TWO INCH CIRCLE =   |        | 7     |       |
| NUMBER IN THREE INCH CIRCLE = |        | 8     |       |

11 Jan 1991

FILE:/PATTERNING/CENTERFIRE\_PATT/C6587749

## CENTERFIRE PATTERNS # 3



# OF SHOTS - 10

# IN CIR

1in - 1

2in - 3

3in = 6

HS= 3.383

VS= 4.236

GS= 4.757

CENTROID #

| PATTERN #                     | 3      |        |        |
|-------------------------------|--------|--------|--------|
| SHOTS (BEST OF)               | 10     | 9      | 8      |
| MAXIMUM X                     | 1.991  | 2.148  | 1.259  |
| MINIMUM X                     | -1.392 | -1.235 | -0.967 |
| MAXIMUM Y                     | 2.541  | 1.265  | 1.383  |
| MINIMUM Y                     | -1.695 | -1.412 | -1.294 |
| CENTROID X                    | .256   | .099   | -.169  |
| CENTROID Y                    | .354   | .071   | -.047  |
| POA TO CENTROID in.           | .437   | .122   | .175   |
| MIN RADIUS                    | .473   | .532   | .757   |
| MEAN RADIUS                   | 1.442  | 1.243  | 1.087  |
| MAX RADIUS                    | 2.905  | 2.346  | 1.388  |
| HORIZONTAL SPREAD             | 3.383  | 3.383  | 2.226  |
| VERTICAL SPREAD               | 4.236  | 2.677  | 2.677  |
| EXTREME SPREAD                | 4.757  | 3.762  | 2.685  |
| NUMBER IN ONE INCH CIRCLE =   | 1      |        |        |
| NUMBER IN TWO INCH CIRCLE =   | 3      |        |        |
| NUMBER IN THREE INCH CIRCLE = | 6      |        |        |

11 Jan 1991

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## CENTERFIRE PATTERNS # 4

POA

1 in circle

2 in circle

3 in circle

# OF SHOTS = 10

# IN CIR

1 in = 1

2 in = 5

3 in = 8

HS= 2.921

VS= 3.422

GS= 3.461

CENTROID \*

| PATTERN #                     | 4      | 9      | 8      |
|-------------------------------|--------|--------|--------|
| SHOTS (BEST OF)               | 10     | 9      | 8      |
| MAXIMUM X                     | 1.403  | 1.423  | 1.035  |
| MINIMUM X                     | -1.418 | -1.398 | -1.221 |
| MAXIMUM Y                     | 2.168  | 1.112  | .825   |
| MINIMUM Y                     | -1.254 | -1.014 | -.875  |
| CENTROID X                    | .004   | -.016  | -.193  |
| CENTROID Y                    | -.217  | -.457  | -.596  |
| POA TO CENTROID in.           | .217   | .458   | .627   |
| MIN RADIUS                    | .428   | .261   | .077   |
| MEAN RADIUS                   | 1.155  | .983   | .832   |
| MAX RADIUS                    | 2.175  | 1.806  | 1.356  |
| HORIZONTAL SPREAD             | 2.821  | 2.821  | 2.256  |
| VERTICAL SPREAD               | 3.422  | 2.126  | 1.700  |
| EXTREME SPREAD                | 3.461  | 2.897  | 2.325  |
| NUMBER IN ONE INCH CIRCLE =   | 1      |        |        |
| NUMBER IN TWO INCH CIRCLE =   | 5      |        |        |
| NUMBER IN THREE INCH CIRCLE = | 8      |        |        |

11 Jan 1991

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## CENTERFIRE PATTERNS # 5

POA

1in circle

2in circle

3in circle

CENTROID \*

# OF SHOTS - 10

# IN CIR

1in = 0

2in = 4

3in = 5

HS = 2.248

VS = 4.036

GS = 4.065

| PATTERN #                   | 5      |        |        |
|-----------------------------|--------|--------|--------|
| SHOTS (BEST OF)             | 10     | 9      | 8      |
| MAXIMUM X                   | .946   | 1.034  | 1.084  |
| MINIMUM X                   | -1.302 | -1.214 | -1.164 |
| MAXIMUM Y                   | 2.110  | 1.982  | 1.770  |
| MINIMUM Y                   | -1.926 | -1.691 | -1.113 |
| CENTROID X                  | -.022  | -.110  | -.160  |
| CENTROID Y                  | -.065  | -.300  | -.088  |
| POA TO CENTROID in.         | .069   | .320   | .183   |
| MIN RADIUS                  | .641   | .703   | .769   |
| MEAN RADIUS                 | 1.396  | 1.290  | 1.225  |
| MAX RADIUS                  | 2.255  | 2.118  | 1.942  |
| HORIZONTAL SPREAD           | 2.248  | 2.248  | 2.248  |
| VERTICAL SPREAD             | 4.036  | 3.673  | 2.883  |
| EXTREME SPREAD              | 4.065  | 3.639  | 3.390  |
| NUMBER IN ONE INCH CIRCLE   | =      | 0      |        |
| NUMBER IN TWO INCH CIRCLE   | =      | 4      |        |
| NUMBER IN THREE INCH CIRCLE | =      | 5      |        |