

C6649221

MODEL 700™ M24

Model **SWS**™

Action

Barrel Length

Capacity

Order No. **5715**

\*Includes 1 in chamber.

*Remington*

**Remington®**

**MODEL 700™ H24**

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

**DUPONT**

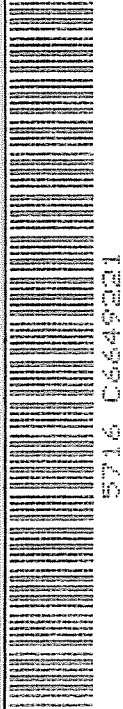
REG. U.S. PAT. & T.M. OFF.

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

**SERIAL NO.**  
C6649221

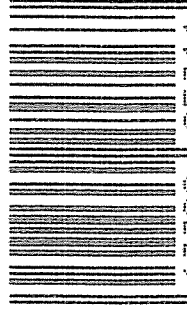
**ORDER NO.**  
5716

20



5716 C6649221

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6649221

| OP. #        | OP. NAME                                                       | READINGS | DATE    | INIT |
|--------------|----------------------------------------------------------------|----------|---------|------|
| 575 &<br>580 | Assemble Action<br>and Stock                                   | 6 25     | 9 1     | RW   |
| 600          | Proof                                                          | 6 25     | 9 1     | RW   |
| 607          | Check Headspace                                                | 6 25     | 9 1     | RW   |
| 610          | Dis-assemble Gun                                               | 6 25     |         | RW   |
| 612          | Magnaflux Barrel<br>Action                                     | JUL      | 1 1991  | KR   |
|              | Magnaflux Bolt                                                 | JUL      | 1 1991  | KR   |
| 615          | Rollmark Caliber                                               | JUL      | 1 1991  | GL   |
| 617          | Drill and Tap Sight Holes                                      | JUL      | 1 1991  | LB   |
| 618          | Polish Barrel                                                  | JUL      | 2 1991  | WB   |
| 620          | Apply Coatings<br>(Barrel Action)                              |          | 8-27-91 | AS   |
|              | Apply Coating (Bolt)                                           |          |         |      |
| 625          | Final Assembly<br>A) Clean inside of<br>Bolt Assembly          |          | 8/28/91 | RW   |
|              | B) Inspect Rear Firing<br>Pin Hole for Chamfer<br>in Bolt Head |          | 8/28/91 | RW   |
|              | C) Inspect Ejector Hole<br>for Chamfer                         |          | 8/28/91 | RW   |
|              | D) Oil Firing Pin Ass'y                                        |          | 8/28/91 | RW   |
|              | E) Adjust Trigger Pull to<br>Min Setting and Stake             |          | 7-4-91  | DH   |

| op. #        | BARBER M24 0066614                                          | READINGS |       |      |      |      | DATE    | INIT |
|--------------|-------------------------------------------------------------|----------|-------|------|------|------|---------|------|
| 625<br>cont. | F) Safety On Force                                          | 5 1/2    | 5 1/2 | 5    |      |      | 9-4-91  | DH   |
|              | G) Safety Off Force                                         | 3        | 3     | 3    |      |      | 9-4-91  | DH   |
|              | H) Trigger Pull Test & Retainability                        |          |       |      |      |      | 9-4-91  | DH   |
|              | I) Firing Pin Indent                                        | .022     | .021  | .020 |      |      | 9-4-91  | DH   |
|              | J) Assemble Stock                                           |          |       |      |      |      | 9/4/91  | RW   |
|              | K) Assemble Swivel Studs                                    |          |       |      |      |      | 9-10-91 | AC   |
|              | L) Attach Front and Rear Sight Assemblies                   |          |       |      |      |      | 9/4/91  | RW   |
|              | M) Iron Sight Alignment                                     |          |       |      |      |      | 9/4/91  | RW   |
|              | N) Detach Front & Rear Sights & place in numbered container |          |       |      |      |      | 9/4/91  | RW   |
|              | O) Attach Scope to Rifle                                    |          |       |      |      |      | 9/4/91  | RW   |
|              | P) Detach & Attach Scope 20 Times                           |          |       |      |      |      | 9/4/91  | RW   |
| 640          | Gallery Target & Test                                       |          |       |      |      |      | 9-5-91  | AC   |
|              | A) Time                                                     |          |       |      |      |      | 9-5-91  | AC   |
|              | B) Malfunctions                                             |          |       |      |      |      | 9-5-91  | AC   |
|              | C) Pierced Primers                                          |          |       |      |      |      | 9-5-91  | AC   |
|              | D) Optical Clarity of Scope                                 |          |       |      |      |      | 9-5-91  | AC   |
| 645          | Inspect for Live Ammo                                       |          |       |      |      |      | 9-5-91  | AC   |
| 655          | Final Inspection                                            |          |       |      |      |      |         |      |
|              | A) Headspace                                                |          |       |      |      |      | 9-10-91 | AC   |
|              | B) Trigger Pull                                             | 2.51     | 2.42  | 2.43 | 2.49 | 2.41 | 9-6-91  | AC   |
|              | C) Function                                                 |          |       |      |      |      | 9-10-91 | AC   |
| 660          | Pack                                                        |          |       |      |      |      | 9-10-91 | AC   |

AVERAGE PULL FORCE BETWEEN  
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. CCG49221DATE 9-4-91TESTER DH

|         | 2.50#<br>INITIAL | 2.50# AFTER<br>50 CYCLES | FINAL TEST &<br>TO RESET 2.50# |      | COMMENTS                                                               |
|---------|------------------|--------------------------|--------------------------------|------|------------------------------------------------------------------------|
| PULL #1 | 2.51             | 2.46                     | 2.65                           | 2.51 | MIN. SETTING,<br>NO AVG. OF 5<br>READINGS ACCEPT-<br>ABLE LESS THAN 2# |
| PULL #2 | 2.38             | 2.47                     | 2.63                           | 2.42 |                                                                        |
| PULL #3 | 2.28             | 2.43                     | 2.61                           | 2.43 |                                                                        |
| PULL #4 | 2.26             | 2.37                     | 2.60                           | 2.49 |                                                                        |
| PULL #5 | 2.23             | 2.32                     | 2.69                           | 2.41 |                                                                        |
| TOTAL   |                  |                          |                                |      |                                                                        |
| AVG.    |                  |                          |                                |      |                                                                        |

|         | 3.00#<br>INITIAL | 3.00# AFTER<br>20 CYCLES |  | COMMENTS |
|---------|------------------|--------------------------|--|----------|
| PULL #1 | 3.18             | 3.23                     |  |          |
| PULL #2 | 3.10             | 3.10                     |  |          |
| PULL #3 | 3.06             | 3.13                     |  |          |
| PULL #4 | 3.15             | 3.03                     |  |          |
| PULL #5 | 3.04             | 3.05                     |  |          |
| 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 | 4.10             | 4.15                     |                                | 4.29                                 |
| PULL #2 | 4.02             | 4.09                     |                                | 4.18                                 |
| PULL #3 | 4.03             | 4.14                     |                                | 4.28                                 |
| PULL #4 | 4.06             | 4.07                     |                                | 4.25                                 |
| PULL #5 | 4.10             | 4.13                     |                                | 4.28                                 |
| TOTAL   |                  |                          |                                |                                      |
| AVG.    |                  |                          |                                |                                      |

CENTROIDAL DISTANCE CALCULATIONS  
FOR RIFLE # 06649221  
5 Sep 1991

CENTROIDAL DISTANCES

|      |   |         |
|------|---|---------|
| 0 TO | 1 | .420098 |
| 1 TO | 2 | .268151 |
| 1 TO | 3 | .593453 |
| 1 TO | 4 | .514806 |
| 1 TO | 5 | .320062 |

$\frac{3.1}{2.5}$  <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .2914  
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0486  
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .295425  
THE AMR FOR THIS RIFLE IS: .9518

5 Sep 1991

FILE:/PATTERNING/CENTERFIRE\_PATT/C6649221

## CENTERFIRE PATTERNS

# 1

POA

1in circle

2in circle

3in circle

# OF SHOTS - 10

# IN CIR

1in = 4

2in = 7

3in = 10

HS= 1.073

VS= 2.533

GS= 2.566

CENTROID #

| PATTERN #                   | : | 10     | 9      | 8     |
|-----------------------------|---|--------|--------|-------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8     |
| MAXIMUM X                   | : | .662   | .627   | .634  |
| MINIMUM X                   | : | -.411  | -.446  | -.439 |
| MAXIMUM Y                   | : | 1.282  | 1.143  | .574  |
| MINIMUM Y                   | : | -1.251 | -1.090 | -.947 |
| CENTROID X                  | : | .271   | .306   | .299  |
| CENTROID Y                  | : | -.321  | -.182  | -.325 |
| POA TO CENTROID in.         | : | .420   | .356   | .442  |
| MIN RADIUS                  | : | .085   | .098   | .066  |
| MEAN RADIUS                 | : | .693   | .586   | .544  |
| MAX RADIUS                  | : | 1.290  | 1.177  | 1.043 |
| HORIZONTAL SPREAD           | : | 1.073  | 1.073  | 1.073 |
| VERTICAL SPREAD             | : | 2.533  | 2.233  | 1.521 |
| EXTREME SPREAD              | : | 2.566  | 2.289  | 1.861 |
| NUMBER IN ONE INCH CIRCLE   | = |        | 4      |       |
| NUMBER IN TWO INCH CIRCLE   | = |        | 7      |       |
| NUMBER IN THREE INCH CIRCLE | = |        | 10     |       |

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## CENTERFIRE PATTERNS

# 2

POR

1 in circle

2 in circle

3 in circle

CENTROID \*

# OF SHOTS- 10

# IN CIR

1 in = 3

2 in = 7

3 in = 9

HS= 2.763

VS= 2.041

GS= 2.950

PATTERN #

SHOTS (BEST OF)

|                               | 10     | 9      | 8      |
|-------------------------------|--------|--------|--------|
| MAXIMUM X                     | 1.505  | .968   | .942   |
| MINIMUM X                     | -1.258 | -1.090 | -1.116 |
| MAXIMUM Y                     | .755   | .520   | .370   |
| MINIMUM Y                     | -1.286 | -1.202 | -1.041 |
| CENTROID X                    | .224   | .056   | .082   |
| CENTROID Y                    | -.057  | -.141  | .009   |
| POR TO CENTROID in.           | .231   | .152   | .083   |
| MIN RADIUS                    | .370   | .493   | .346   |
| MEAN RADIUS                   | .875   | .796   | .703   |
| MAX RADIUS                    | 1.684  | 1.219  | 1.168  |
| HORIZONTAL SPREAD             | 2.763  | 2.058  | 2.058  |
| VERTICAL SPREAD               | 2.041  | 1.722  | 1.411  |
| EXTREME SPREAD                | 2.950  | 2.123  | 2.123  |
| NUMBER IN ONE INCH CIRCLE =   | 3      |        |        |
| NUMBER IN TWO INCH CIRCLE =   | 7      |        |        |
| NUMBER IN THREE INCH CIRCLE = | 9      |        |        |

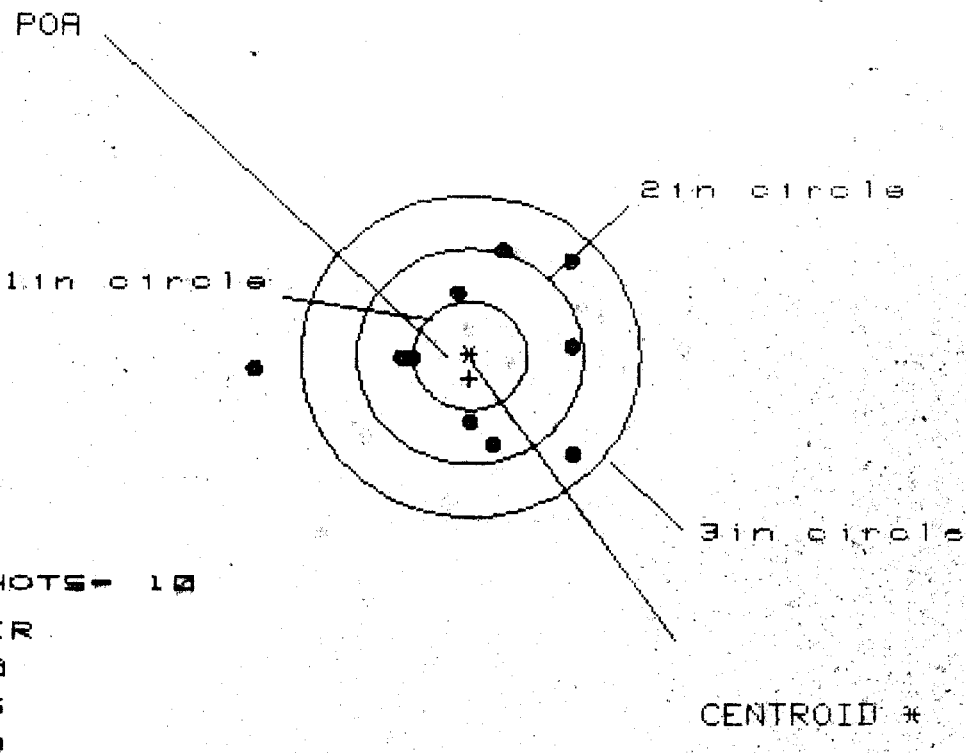


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## CENTERFIRE PATTERNS

# 3



# OF SHOTS = 10

# IN CIR

1 in = 0

2 in = 6

3 in = 9

HS = 2.854

VS = 1.922

GS = 3.003

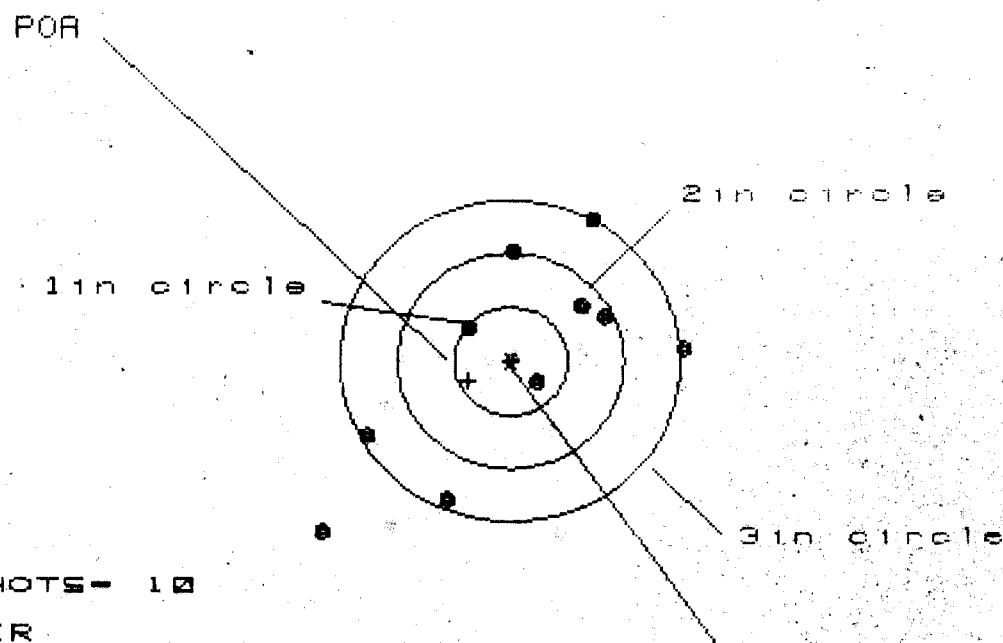
| PATTERN #                     | 1      | 9     | 8     |
|-------------------------------|--------|-------|-------|
| SHOTS (BEST OF)               | 10     | 9     | 8     |
| MAXIMUM X                     | .935   | .722  | .751  |
| MINIMUM X                     | -1.919 | -.794 | -.703 |
| MAXIMUM Y                     | 1.005  | .996  | 1.102 |
| MINIMUM Y                     | -.917  | -.926 | -.820 |
| CENTROID X                    | .006   | .219  | .128  |
| CENTROID Y                    | .210   | .219  | .113  |
| POA TO CENTROID in.           | .210   | .309  | .171  |
| MIN RADIUS                    | .530   | .661  | .547  |
| MEAN RADIUS                   | .957   | .848  | .795  |
| MAX RADIUS                    | 1.920  | 1.137 | 1.114 |
| HORIZONTAL SPREAD             | 2.854  | 1.516 | 1.454 |
| VERTICAL SPREAD               | 1.922  | 1.922 | 1.922 |
| EXTREME SPREAD                | 3.003  | 2.009 | 2.009 |
| NUMBER IN ONE INCH CIRCLE =   |        | 0     |       |
| NUMBER IN TWO INCH CIRCLE =   |        | 6     |       |
| NUMBER IN THREE INCH CIRCLE = |        | 9     |       |

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## CENTERFIRE PATTERNS

# 4



\* OF SHOTS = 10

# IN CIR

1in = 1

2in = 4

3in = 7

HS = 3.267

VS = 2.897

GS = 3.808

CENTROID \*

| PATTERN #                     | 1      | 9      | 8      |
|-------------------------------|--------|--------|--------|
| SHOTS (BEST OF)               | 10     | 9      | 8      |
| MAXIMUM X                     | 1.554  | 1.364  | .821   |
| MINIMUM X                     | -1.713 | -1.461 | -1.290 |
| MAXIMUM Y                     | 1.337  | 1.163  | 1.159  |
| MINIMUM Y                     | -1.560 | -1.475 | -1.479 |
| CENTROID X                    | .371   | .561   | .390   |
| CENTROID Y                    | .184   | .358   | .362   |
| POA TO CENTROID in.           | .414   | .665   | .532   |
| MIN RADIUS                    | .310   | .400   | .432   |
| MEAN RADIUS                   | 1.182  | 1.009  | .968   |
| MAX RADIUS                    | 2.317  | 1.680  | 1.597  |
| HORIZONTAL SPREAD             | 3.267  | 2.925  | 2.111  |
| VERTICAL SPREAD               | 2.897  | 2.638  | 2.638  |
| EXTREME SPREAD                | 3.808  | 2.960  | 2.960  |
| NUMBER IN ONE INCH CIRCLE =   | 1      |        |        |
| NUMBER IN TWO INCH CIRCLE =   | 4      |        |        |
| NUMBER IN THREE INCH CIRCLE = | 7      |        |        |

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## CENTERFIRE PATTERNS

# 5

POA

1in circle

2in circle

3in circle

CENTROID \*

# OF SHOTS- 10

# IN CIR

1in = 1

2in = 4

3in = 8

HS= 2.781

VS= 2.386

GS= 2.944

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

1.447

1.470

1.324

-1.334

-1.173

-1.317

1.267

1.172

1.033

-1.119

-1.214

-1.353

.585

.424

.570

-.259

-.164

-.025

.639

.454

.571

.181

.357

.354

1.052

.967

.853

1.681

1.616

1.368

2.781

2.643

2.641

2.386

2.386

2.386

2.944

2.944

2.654

1

4

8