

C6523322

MODEL 700<sup>TM</sup> M24

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

Action

Barrel Length

Capacity

Order No. **5716**

\*Includes 1 in chamber.

*Remington*

**Remington**



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

**MODEL 700™ H24**

**SERIAL NO.**  
**C6523322**

**ORDER NO.**  
**5716**

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

01



5716 C6523322

**UPC**



CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6523322

| OP. #        | OP. NAME                                                       | READINGS | DATE     | INIT |
|--------------|----------------------------------------------------------------|----------|----------|------|
| 575 &<br>580 | Assemble Action<br>and Stock                                   | 10 3     | 90       | RW   |
| 600          | Proof                                                          | 10 3     | 90       | RW   |
| 607          | Check Headspace                                                | 10 3     | 90       | RW   |
| 610          | Dis-assemble Gun                                               | 10 3     | 90       | RW   |
| 612          | Magnaflux Barrel<br>Action                                     |          | 10/11/90 | KP   |
|              | Magnaflux Bolt                                                 |          | 10/11/90 | KP   |
| 615          | Rollmark Caliber                                               |          | 10/11/90 | LS   |
| 617          | Drill and Tap Sight Holes                                      |          | 10/11/90 | FB   |
| 618          | Polish Barrel RWB                                              |          | 10/12/90 | WB   |
| 620          | Apply Coatings<br>(Barrel Action)                              |          | 10-18-90 | TSH  |
|              | Apply Coating (Bolt)                                           |          |          |      |
| 625          | Final Assembly<br>A) Clean inside of<br>Bolt Assembly          |          | 10/22/90 | RW   |
|              | B) Inspect Rear Firing<br>Pin Hole for Chamfer<br>in Bolt Head |          | 10/22/90 | RW   |
|              | C) Inspect Ejector Hole<br>for Chamfer                         |          | 10/22/90 | RW   |
|              | D) Oil Firing Pin Ass'y                                        |          | 10/22/90 | RW   |
|              | E) Adjust Trigger Pull to<br>Min Setting and Stake             |          | 11-7-90  | SH   |

| op. #        | OP. NAME                                                    | READINGS |      |       |      |      | DATE     | INIT |
|--------------|-------------------------------------------------------------|----------|------|-------|------|------|----------|------|
| 625<br>cont. | F) Safety On Force                                          | 4        | 4    | 4     |      |      | 11/7/90  | RW   |
|              | G) Safety Off Force                                         | 3        | 2.5  | 3     |      |      | 11/7/90  | RW   |
|              | H) Trigger Pull Test & Retainability                        |          |      |       |      |      | 11-7-90  | JM   |
|              | I) Firing Pin Indent                                        | .021     | .021 | .0205 |      |      | 11/7/90  | RW   |
|              | J) Assemble Stock                                           |          |      |       |      |      | 11/7/90  | RW   |
|              | K) Assemble Swivel Studs                                    |          |      |       |      |      | 11-20-90 | JS   |
|              | L) Attach Front and Rear Sight Assemblies                   |          |      |       |      |      | 11/7/90  | RW   |
|              | M) Iron Sight Alignment                                     |          |      |       |      |      | 11/7/90  | RW   |
|              | N) Detach Front & Rear Sights & place in numbered container |          |      |       |      |      | 11/7/90  | RW   |
|              | O) Attach Scope to Rifle                                    |          |      |       |      |      | 11/7/90  | RW   |
|              | P) Detach & Attach Scope 20 Times                           |          |      |       |      |      | 11/7/90  | RW   |
| 640          | Gallery Target & Test                                       |          |      |       |      |      | 11/8/90  | NF   |
|              | A) Time                                                     |          |      |       |      |      | "        | NF   |
|              | B) Malfunctions                                             |          |      |       |      |      | "        | NF   |
|              | C) Pierced Primers                                          |          |      |       |      |      | "        | NF   |
|              | D) Optical Clarity of Scope                                 |          |      |       |      |      | "        | NF   |
| 645          | Inspect for Live Ammo                                       |          |      |       |      |      | 11/8/90  | NF   |
| 655          | Final Inspection                                            |          |      |       |      |      |          |      |
|              | A) Headspace                                                |          |      |       |      |      | 11-20-90 | JS   |
|              | B) Trigger Pull                                             | 2.42     | 2.31 | 2.43  | 2.45 | 2.52 | 11-20-90 | JS   |
|              | C) Function                                                 |          |      |       |      |      | 11-20-90 | JS   |
| 660          | Pack                                                        |          |      |       |      |      | 12/12/90 | NF   |

## SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN  
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6523322

DATE 11-7-90

TESTER JEF

|         | 2.50#<br>INITIAL | 2.50# AFTER<br>50 CYCLES | FINAL TEST &<br>TO RESET 2.50# |      | COMMENTS                                                               |
|---------|------------------|--------------------------|--------------------------------|------|------------------------------------------------------------------------|
| PULL #1 | 2.31             | 2.40                     | 2.42                           | 2.42 | MIN. SETTING,<br>NO AVG. OF 5<br>READINGS ACCEPT-<br>ABLE LESS THAN 2# |
| PULL #2 | 2.21             | 2.42                     | 2.43                           | 2.31 |                                                                        |
| PULL #3 | 2.50             | 2.24                     | 2.46                           | 2.43 |                                                                        |
| PULL #4 | 2.50             | 2.41                     | 2.47                           | 2.45 |                                                                        |
| PULL #5 | 2.36             | 2.40                     | 2.46                           | 2.52 |                                                                        |
| TOTAL   | 11.88            | 11.87                    | 12.24                          |      |                                                                        |
| AVG.    | 2.376            | 2.374                    | 2.448                          |      |                                                                        |

|         | 3.00#<br>INITIAL | 3.00# AFTER<br>20 CYCLES |  | COMMENTS |
|---------|------------------|--------------------------|--|----------|
| PULL #1 | 3.28             | 3.40                     |  |          |
| PULL #2 | 3.43             | 3.37                     |  |          |
| PULL #3 | 3.44             | 3.42                     |  |          |
| PULL #4 | 3.42             | 3.42                     |  |          |
| PULL #5 | 3.41             | 3.39                     |  |          |
| TOTAL   | 16.98            | 17.00                    |  |          |
| AVG.    | 3.396            | 3.4                      |  |          |

|         | 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 | 4.35             | 4.41                     |                                | 4.39                                 |
| PULL #2 | 4.33             | 4.37                     |                                | 4.40                                 |
| PULL #3 | 4.29             | 4.40                     |                                | 4.40                                 |
| PULL #4 | 4.29             | 4.42                     |                                | 4.39                                 |
| PULL #5 | 4.22             | 4.38                     |                                | 4.38                                 |
| TOTAL   | 21.48            | 21.98                    |                                | 21.88                                |
| AVG.    | 4.296            | 4.396                    |                                | 4.376                                |

CENTROIDAL DISTANCE CALCULATIONS  
FOR RIFLE # C6523322  
9 Nov 1990

CENTROIDAL DISTANCES

|        |         |
|--------|---------|
| 0 TO 1 | .174897 |
| 1 TO 2 | .1703   |
| 1 TO 3 | .230835 |
| 1 TO 4 | .258817 |
| 1 TO 5 | .233212 |

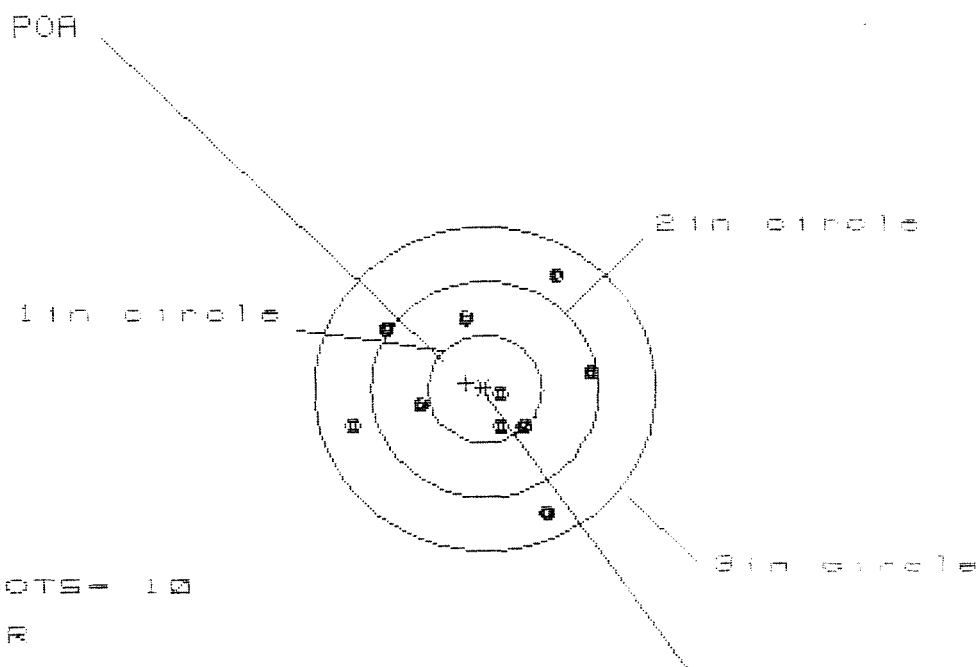
# <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0222  
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1378  
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .109577  
THE AMR FOR THIS RIFLE IS: .818

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# CENTERFIRE PATTERNS # 1



# OF SHOTS= 10

# IN CIR

1in = 2

2in = 6

3in = 10

HS= 2.074

VS= 2.196

GS= 2.271

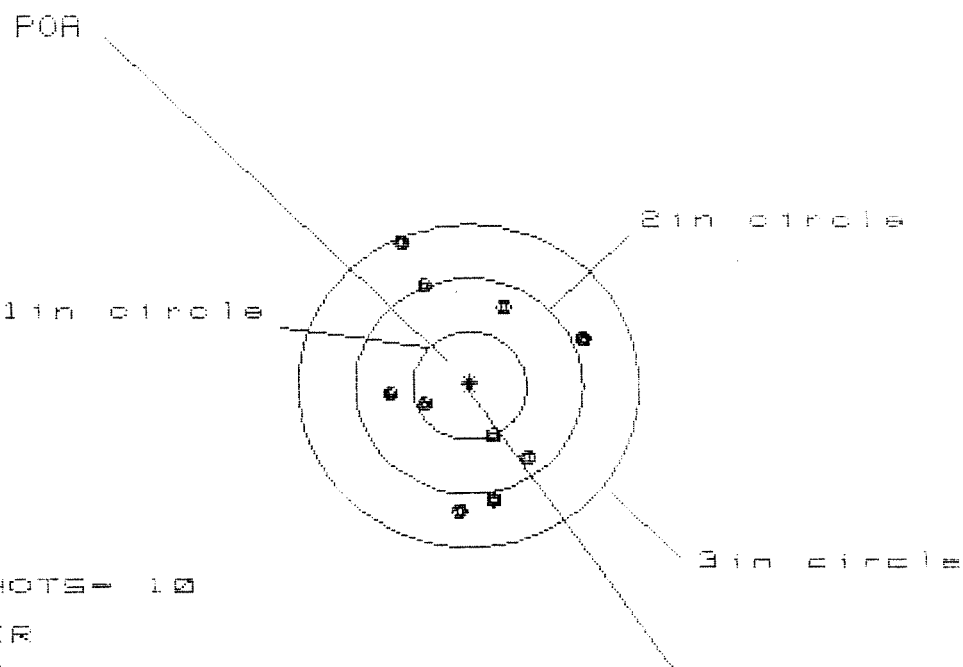
CENTROID #

|                             |   |        |        |        |
|-----------------------------|---|--------|--------|--------|
| PATTERN #                   | : | 1      |        |        |
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | .928   | 1.003  | 1.073  |
| MINIMUM X                   | : | -1.145 | -1.071 | -1.001 |
| MAXIMUM Y                   | : | 1.051  | .795   | .666   |
| MINIMUM Y                   | : | -1.145 | -1.028 | -.399  |
| CENTROID X                  | : | .165   | .090   | .020   |
| CENTROID Y                  | : | -.058  | -.175  | -.046  |
| POA TO CENTROID in.         | : | .174   | .197   | .050   |
| MIN RADIUS                  | : | .185   | .269   | .329   |
| MEAN RADIUS                 | : | .812   | .759   | .711   |
| MAX RADIUS                  | : | 1.247  | 1.171  | 1.080  |
| HORIZONTAL SPREAD           | : | 2.074  | 2.074  | 2.074  |
| VERTICAL SPREAD             | : | 2.196  | 1.823  | 1.065  |
| EXTREME SPREAD              | : | 2.271  | 2.190  | 2.121  |
| NUMBER IN ONE INCH CIRCLE   | = |        | 2      |        |
| NUMBER IN TWO INCH CIRCLE   | = |        | 6      |        |
| NUMBER IN THREE INCH CIRCLE | = |        | 10     |        |

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# CENTERFIRE PATTERNS # 2



# OF SHOTS= 10

# IN CIR

1 in = 2

2 in = 6

3 in = 10

HS= 1.715

VS= 2.513

GS= 2.565

CENTROID #

|                             |   |        |       |       |
|-----------------------------|---|--------|-------|-------|
| PATTERN #                   | : | 2      |       |       |
| SHOTS (BEST OF)             | : | 10     | 9     | 8     |
| MAXIMUM X                   | : | .975   | .913  | .900  |
| MINIMUM X                   | : | -.740  | -.802 | -.815 |
| MAXIMUM Y                   | : | 1.370  | 1.042 | .910  |
| MINIMUM Y                   | : | -1.143 | -.990 | -.992 |
| CENTROID X                  | : | -.004  | .058  | .071  |
| CENTROID Y                  | : | -.037  | -.190 | -.066 |
| FOR TO CENTROID in.         | : | .038   | .198  | .097  |
| MIN RADIUS                  | : | .370   | .292  | .402  |
| MEAN RADIUS                 | : | .887   | .797  | .779  |
| MAX RADIUS                  | : | 1.480  | 1.135 | 1.029 |
| HORIZONTAL SPREAD           | : | 1.715  | 1.715 | 1.715 |
| VERTICAL SPREAD             | : | 2.513  | 2.032 | 1.910 |
| EXTREME SPREAD              | : | 2.565  | 2.061 | 1.988 |
| NUMBER IN ONE INCH CIRCLE   | = |        | 2     |       |
| NUMBER IN TWO INCH CIRCLE   | = |        | 6     |       |
| NUMBER IN THREE INCH CIRCLE | = |        | 10    |       |



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# CENTERFIRE PATTERNS # 3

POA

1 in circle

2 in circle

3 in circle

CENTROID #

# OF SHOTS- 10

# IN CIR

1 in = 1

2 in = 5

3 in = 9

HS= 2.412

VS= 2.623

GS= 3.160

|                             |   |        |       |        |
|-----------------------------|---|--------|-------|--------|
| PATTERN #                   | : | 3      |       |        |
| SHOTS (BEST OF)             | : | 10     | 9     | 8      |
| MAXIMUM X                   | : | 1.397  | 1.488 | 1.381  |
| MINIMUM X                   | : | -1.015 | -.924 | -1.031 |
| MAXIMUM Y                   | : | 1.567  | .721  | .611   |
| MINIMUM Y                   | : | -1.056 | -.882 | -.781  |
| CENTROID X                  | : | -.061  | -.152 | -.045  |
| CENTROID Y                  | : | -.105  | -.279 | -.169  |
| POA TO CENTROID in.         | : | .122   | .318  | .175   |
| MIN RADIUS                  | : | .376   | .249  | .310   |
| MEAN RADIUS                 | : | .941   | .818  | .774   |
| MAX RADIUS                  | : | 1.767  | 1.491 | 1.381  |
| HORIZONTAL SPREAD           | : | 2.412  | 2.412 | 2.412  |
| VERTICAL SPREAD             | : | 2.623  | 1.603 | 1.392  |
| EXTREME SPREAD              | : | 3.160  | 2.541 | 2.415  |
| NUMBER IN ONE INCH CIRCLE   | = |        | 1     |        |
| NUMBER IN TWO INCH CIRCLE   | = |        | 6     |        |
| NUMBER IN THREE INCH CIRCLE | = |        | 9     |        |

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# CENTERFIRE PATTERNS # 4

POA

1 in circle

2 in circle

3 in circle

CENTROID \*

# OF SHOTS= 10

# IN CIR

1 in = 3

2 in = 8

3 in = 10

HS= 1.828

VS= 1.153

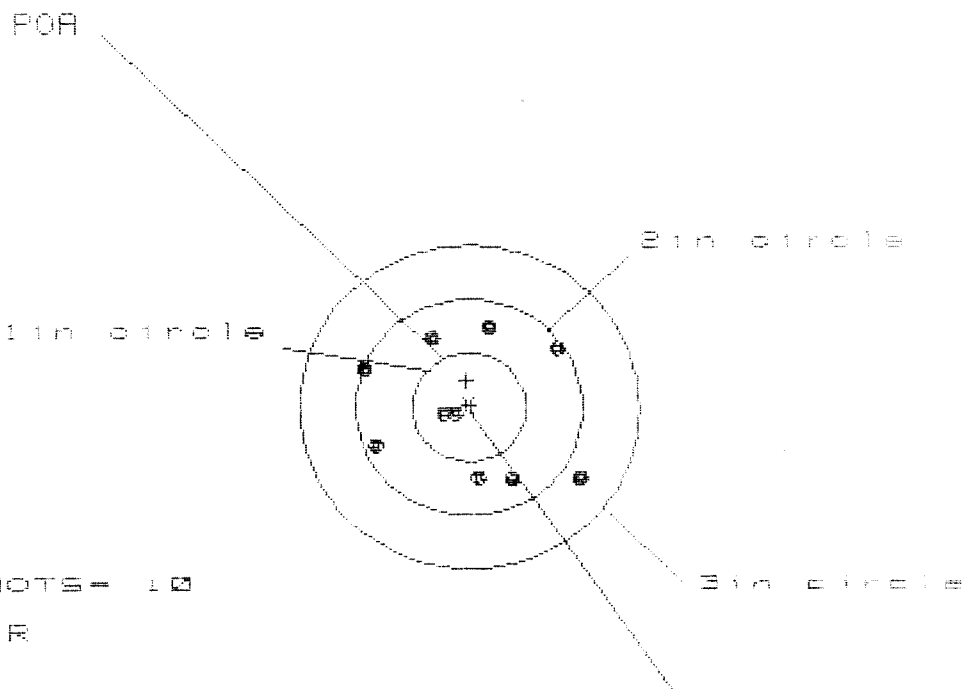
GS= 1.984

|                             |   |        |        |       |
|-----------------------------|---|--------|--------|-------|
| PATTERN #                   | : | 4      |        |       |
| SHOTS (BEST OF)             | : | 10     | 9      | 8     |
| MAXIMUM X                   | : | .816   | .704   | .564  |
| MINIMUM X                   | : | -1.012 | -1.122 | -.972 |
| MAXIMUM Y                   | : | .539   | .502   | .537  |
| MINIMUM Y                   | : | -.614  | -.651  | -.616 |
| CENTROID X                  | : | -.016  | .096   | .236  |
| CENTROID Y                  | : | -.243  | -.206  | -.241 |
| POA TO CENTROID in.         | : | .243   | .228   | .338  |
| MIN RADIUS                  | : | .158   | .240   | .132  |
| MEAN RADIUS                 | : | .718   | .669   | .593  |
| MAX RADIUS                  | : | 1.064  | 1.157  | 1.002 |
| HORIZONTAL SPREAD           | : | 1.828  | 1.826  | 1.536 |
| VERTICAL SPREAD             | : | 1.153  | 1.153  | 1.153 |
| EXTREME SPREAD              | : | 1.984  | 1.984  | 1.691 |
| NUMBER IN ONE INCH CIRCLE   | = | 3      |        |       |
| NUMBER IN TWO INCH CIRCLE   | = | 8      |        |       |
| NUMBER IN THREE INCH CIRCLE | = | 10     |        |       |

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# CENTERFIRE PATTERNS # 5



# OF SHOTS = 10

# IN CIR

1in = 2

2in = 9

3in = 10

HS = 1.877

VS = 1.460

GS = 2.099

CENTROID \*

|                             |   |       |       |       |
|-----------------------------|---|-------|-------|-------|
| PATTERN #                   | : | 5     |       |       |
| SHOTS (BEST OF)             | : | 10    | 9     | 8     |
| MAXIMUM X                   | : | .959  | .922  | .621  |
| MINIMUM X                   | : | -.918 | -.811 | -.696 |
| MAXIMUM Y                   | : | .788  | .718  | .780  |
| MINIMUM Y                   | : | -.673 | -.742 | -.680 |
| CENTROID X                  | : | .027  | -.080 | -.135 |
| CENTROID Y                  | : | -.246 | -.177 | -.239 |
| POA TO CENTROID in.         | : | .248  | .194  | .309  |
| MIN RADIUS                  | : | .104  | .079  | .049  |
| MEAN RADIUS                 | : | .732  | .666  | .598  |
| MAX RADIUS                  | : | 1.147 | 1.048 | .921  |
| HORIZONTAL SPREAD           | : | 1.877 | 1.733 | 1.317 |
| VERTICAL SPREAD             | : | 1.460 | 1.460 | 1.460 |
| EXTREME SPREAD              | : | 2.099 | 1.872 | 1.643 |
| NUMBER IN ONE INCH CIRCLE   | = |       | 2     |       |
| NUMBER IN TWO INCH CIRCLE   | = |       | 9     |       |
| NUMBER IN THREE INCH CIRCLE | = |       | 10    |       |