

C6648973

MODEL 760™ M24

Model **SMS**™

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.

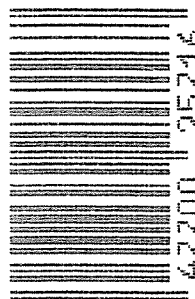
MODEL 700<sup>TM</sup> H24

SERIAL NO.  
C6648973

ORDER NO.  
5716

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

UPC



0 47700 25716 2



5716 C6648973

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6648973

| OP. #        | OP. NAME                                                       | READINGS | DATE        | INIT |
|--------------|----------------------------------------------------------------|----------|-------------|------|
| 575 &<br>580 | Assemble Action<br>and Stock                                   | 7 2      | 9 1         | RW   |
| 600          | Proof                                                          | 7 2      | 9 1         | RW   |
| 607          | Check Headspace                                                | 7 2      | 9 1         | RW   |
| 610          | Dis-assemble Gun                                               | 7 2      | 9 1         | RW   |
| 612          | Magnaflux Barrel<br>Action                                     |          | JUL 22 1991 | YS   |
|              | Magnaflux Bolt                                                 |          | JUL 22 1991 | YS   |
| 615          | Rollmark Caliber                                               |          | JUL 22 1991 | YS   |
| 617          | Drill and Tap Sight Holes                                      |          | JUL 22 1991 | FB   |
| 618          | Polish Barrel                                                  |          | 7/22/91     | WB   |
| 620          | Apply Coatings<br>(Barrel Action)                              |          | 7-22-91     | SA   |
|              | 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             |          | 7-6-91      | PH   |

| op. #        | OP. NAME                                                    | READINGS        |                 |                 |     |     | DATE    | INIT |
|--------------|-------------------------------------------------------------|-----------------|-----------------|-----------------|-----|-----|---------|------|
| 625<br>cont. | F) Safety On Force                                          | 5 $\frac{1}{4}$ | 6               | 6               |     |     | 9-6-91  | DH   |
|              | G) Safety Off Force                                         | 3               | 2 $\frac{1}{4}$ | 2 $\frac{1}{4}$ |     |     | 9-6-91  | DH   |
|              | H) Trigger Pull Test & Retainability                        |                 |                 |                 |     |     | 9-6-91  | DH   |
|              | I) Firing Pin Indent                                        | .022            | .023            | .022            |     |     | 9-6-91  | DH   |
|              | J) Assemble Stock                                           |                 |                 |                 |     |     | 9/7/91  | RW   |
|              | K) Assemble Swivel Studs                                    |                 |                 |                 |     |     | 9-10-91 | DH   |
|              | L) Attach Front and Rear Sight Assemblies                   |                 |                 |                 |     |     | 9/7/91  | RW   |
|              | M) Iron Sight Alignment                                     |                 |                 |                 |     |     | 9/7/91  | RW   |
|              | N) Detach Front & Rear Sights & place in numbered container |                 |                 |                 |     |     | 9/7/91  | RW   |
|              | O) Attach Scope to Rifle                                    |                 |                 |                 |     |     | 9/7/91  | RW   |
|              | P) Detach & Attach Scope 20 Times                           |                 |                 |                 |     |     | 9/8/91  | RW   |
| 640          | Gallery Target & Test                                       |                 |                 |                 |     |     | 9-9-91  | AC   |
|              | A) Time                                                     |                 |                 |                 |     |     | 9-9-91  | AC   |
|              | B) Malfunctions                                             |                 |                 |                 |     |     | 9-9-91  | AC   |
|              | C) Pierced Primers                                          |                 |                 |                 |     |     | 9-9-91  | AC   |
|              | D) Optical Clarity of Scope                                 |                 |                 |                 |     |     | 9-9-91  | AC   |
| 645          | Inspect for Live Ammo                                       |                 |                 |                 |     |     | 9-9-91  | AC   |
| 655          | Final Inspection                                            |                 |                 |                 |     |     |         |      |
|              | A) Headspace                                                |                 |                 |                 |     |     | 9-10-91 | DH   |
|              | B) Trigger Pull                                             | 271             | 271             | 261             | 268 | 280 | 9-9-91  | DH   |
|              | C) Function                                                 |                 |                 |                 |     |     | 9-10-91 | DH   |
| 660          | Pack                                                        |                 |                 |                 |     |     | 9-17-91 | DH   |

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN  
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6648973

DATE 9-6-91

TESTER DH

|         | 2.50#<br>INITIAL | 2.50# AFTER<br>50 CYCLES | FINAL TEST &<br>TO RESET 2.50# |      | COMMENTS                                                               |
|---------|------------------|--------------------------|--------------------------------|------|------------------------------------------------------------------------|
| PULL #1 | 2.51             | 2.50                     | 2.41                           | 2.71 | MIN. SETTING,<br>NO AVG. OF 5<br>READINGS ACCEPT-<br>ABLE LESS THAN 2# |
| PULL #2 | 2.41             | 2.37                     | 2.38                           | 2.71 |                                                                        |
| PULL #3 | 2.41             | 2.33                     | 2.27                           | 2.61 |                                                                        |
| PULL #4 | 2.43             | 2.34                     | 2.25                           | 2.68 |                                                                        |
| PULL #5 | 2.42             | 2.30                     | 2.33                           | 2.80 |                                                                        |
| TOTAL   |                  |                          |                                |      |                                                                        |
| AVG.    |                  |                          |                                |      |                                                                        |

|         | 3.00#<br>INITIAL | 3.00# AFTER<br>20 CYCLES |  | COMMENTS |
|---------|------------------|--------------------------|--|----------|
| PULL #1 | 3.40             | 3.35                     |  |          |
| PULL #2 | 3.31             | 3.31                     |  |          |
| PULL #3 | 3.38             | 3.15                     |  |          |
| PULL #4 | 3.39             | 3.26                     |  |          |
| PULL #5 | 3.37             | 3.33                     |  |          |
| 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 | 4.50             | 4.58                     |                                | 4.23                                 |
| PULL #2 | 4.56             | 4.64                     |                                | 4.29                                 |
| PULL #3 | 4.54             | 4.53                     |                                | 4.13                                 |
| PULL #4 | 4.70             | 4.54                     |                                | 4.35                                 |
| PULL #5 | 4.67             | 4.40                     |                                | 4.18                                 |
| TOTAL   |                  |                          |                                |                                      |
| AVG.    |                  |                          |                                |                                      |

CENTROIDAL DISTANCE CALCULATIONS

FOR RIFLE # 06648973

9 Sep 1991

CENTROIDAL DISTANCES

|      |   |         |
|------|---|---------|
| 0 TO | 1 | .203686 |
| 1 TO | 2 | .139014 |
| 1 TO | 3 | .245524 |
| 1 TO | 4 | .296071 |
| 1 TO | 5 | .440438 |

542 <----POA

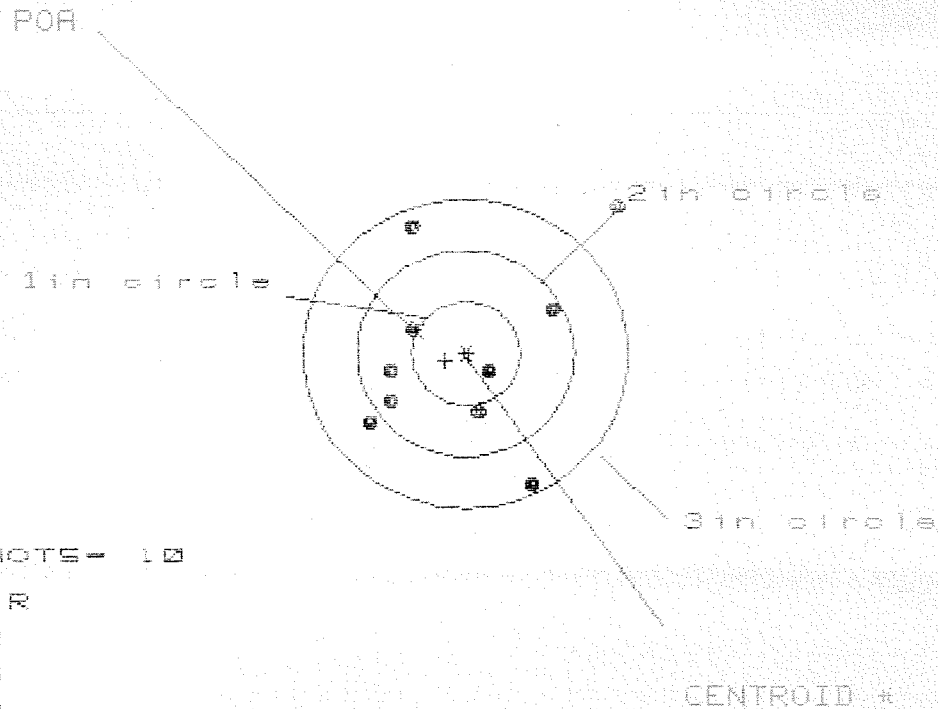
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0066  
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .024  
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .024891

THE AMR FOR THIS RIFLE IS: .8242

5 Sep 1991

FILE:/PATTERNING/CENTERFIRE\_PATT/C6648973

# CENTERFIRE PATTERNS # 1



# OF SHOTS- 10

# IN CIR

1in = 2

2in = 6

3in = 9

HS= 2.328

VS= 2.629

GS= 3.119

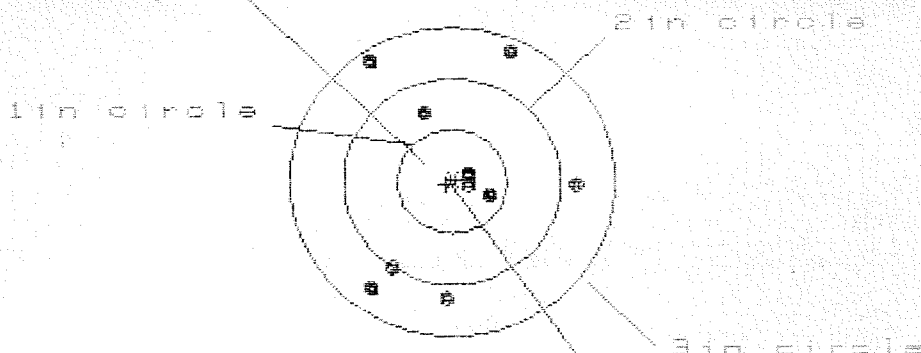
|                               |   |        |        |       |
|-------------------------------|---|--------|--------|-------|
| PATTERN #                     | : | 1      | 2      | 3     |
| SHOTS (BEST OF)               | : | 10     | 9      | 8     |
| MAXIMUM X                     | : | 1.396  | .974   | 1.067 |
| MINIMUM X                     | : | -.932  | -.777  | -.684 |
| MAXIMUM Y                     | : | 1.411  | 1.391  | 1.258 |
| MINIMUM Y                     | : | -1.218 | -1.061 | -.640 |
| CENTROID X                    | : | .192   | .037   | -.056 |
| CENTROID Y                    | : | .068   | -.089  | .044  |
| POA TO CENTROID in.           | : | .204   | .096   | .071  |
| MIN RADIUS                    | : | .289   | .404   | .296  |
| MEAN RADIUS                   | : | .963   | .811   | .742  |
| MAX RADIUS                    | : | 1.985  | 1.423  | 1.275 |
| HORIZONTAL SPREAD             | : | 2.328  | 1.751  | 1.751 |
| VERTICAL SPREAD               | : | 2.629  | 2.452  | 1.898 |
| EXTREME SPREAD                | : | 3.119  | 2.665  | 2.072 |
| NUMBER IN ONE INCH CIRCLE =   |   |        | 2      |       |
| NUMBER IN TWO INCH CIRCLE =   |   |        | 6      |       |
| NUMBER IN THREE INCH CIRCLE = |   |        | 9      |       |

9 Sep 1981

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# CENTERFIRE PATTERNS # 2

POA



# OF SHOTS- 10

# IN CIR

1in = 3

2in = 5

3in = 10

HS= 1.936

VS= 2.420

GS= 2.675

CENTROID \*

|                             |   |        |        |       |
|-----------------------------|---|--------|--------|-------|
| PATTERN #                   | : | 2      |        |       |
| SHOTS (BEST OF)             | : | 10     | 9      | 8     |
| MAXIMUM X                   | : | 1.136  | 1.198  | 1.113 |
| MINIMUM X                   | : | -.790  | -.728  | -.813 |
| MAXIMUM Y                   | : | 1.271  | 1.278  | .957  |
| MINIMUM Y                   | : | -1.149 | -1.008 | -.848 |
| CENTROID X                  | : | .058   | -.004  | .081  |
| CENTROID Y                  | : | .031   | -.110  | -.270 |
| POA TO CENTROID in.         | : | .066   | .110   | .282  |
| MIN RADIUS                  | : | .098   | .193   | .282  |
| MEAN RADIUS                 | : | .872   | .825   | .744  |
| MAX RADIUS                  | : | 1.388  | 1.448  | 1.153 |
| HORIZONTAL SPREAD           | : | 1.926  | 1.926  | 1.926 |
| VERTICAL SPREAD             | : | 2.420  | 2.286  | 1.805 |
| EXTREME SPREAD              | : | 2.675  | 2.396  | 2.189 |
| NUMBER IN ONE INCH CIRCLE   | = |        | 3      |       |
| NUMBER IN TWO INCH CIRCLE   | = |        | 5      |       |
| NUMBER IN THREE INCH CIRCLE | = |        | 10     |       |

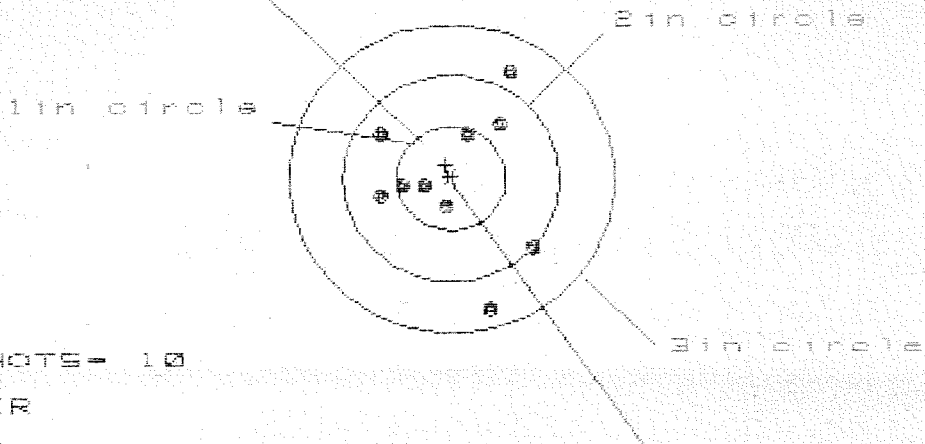


9 Sep. 1991

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# CENTERFIRE PATTERNS # 3

POA



# OF SHOTS= 10

# IN CIR

1in = 4

2in = 8

3in = 10

HS= 1.383

VS= 2.312

GS= 2.320

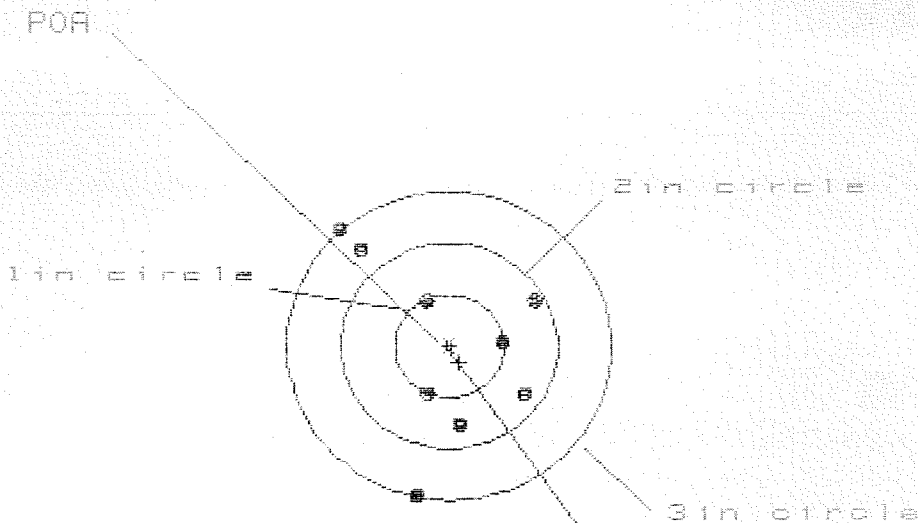
CENTROID \*

| PATTERN #                     | 3      |       |       |
|-------------------------------|--------|-------|-------|
| SHOTS (BEST OF)               | 10     | 9     | 8     |
| MAXIMUM X                     | .716   | .752  | .821  |
| MINIMUM X                     | -.667  | -.631 | -.562 |
| MAXIMUM Y                     | 1.065  | .927  | .554  |
| MINIMUM Y                     | -1.247 | -.793 | -.677 |
| CENTROID X                    | .051   | .015  | -.054 |
| CENTROID Y                    | -.133  | .005  | -.111 |
| POA TO CENTROID in.           | .143   | .016  | .123  |
| MIN RADIUS                    | .272   | .307  | .195  |
| MEAN RADIUS                   | .710   | .636  | .554  |
| MAX RADIUS                    | 1.289  | 1.093 | 1.064 |
| HORIZONTAL SPREAD             | 1.383  | 1.383 | 1.383 |
| VERTICAL SPREAD               | 2.312  | 1.720 | 1.232 |
| EXTREME SPREAD                | 2.320  | 1.732 | 1.729 |
| NUMBER IN ONE INCH CIRCLE =   |        | 4     |       |
| NUMBER IN TWO INCH CIRCLE =   |        | 8     |       |
| NUMBER IN THREE INCH CIRCLE = |        | 10    |       |

9 Sep 1991

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# CENTERFIRE PATTERNS # 4



# OF SHOTS- 10

# IN CIR

1 in = 2

2 in = 7

3 in = 9

HS= 1.785

VS= 2.582

GS= 2.665

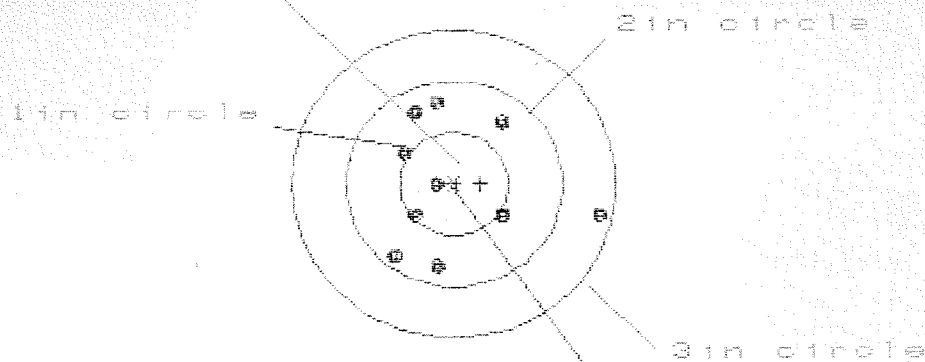
| PATTERN #                   | 4      |
|-----------------------------|--------|
| SHOTS (BEST OF)             | 10     |
| MAXIMUM X                   | .778   |
| MINIMUM X                   | -1.007 |
| MAXIMUM Y                   | 1.167  |
| MINIMUM Y                   | -1.415 |
| CENTROID X                  | -.091  |
| CENTROID Y                  | .155   |
| POA TO CENTROID in.         | .179   |
| MIN RADIUS                  | .447   |
| MEAN RADIUS                 | .870   |
| MAX RADIUS                  | 1.542  |
| HORIZONTAL SPREAD           | 1.785  |
| VERTICAL SPREAD             | 2.582  |
| EXTREME SPREAD              | 2.665  |
| NUMBER IN ONE INCH CIRCLE   | 2      |
| NUMBER IN TWO INCH CIRCLE   | 7      |
| NUMBER IN THREE INCH CIRCLE | 9      |

5 Sep 1991

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# CENTERFIRE PATTERNS # 5

FOR



# OF SHOTS - 10

# IN CIR

1in = 2

2in = 9

3in = 10

HS = 1.907

VS = 1.580

GS = 2.043

|                             |   |       |       |       |
|-----------------------------|---|-------|-------|-------|
| PATTERN #                   | : | 5     |       |       |
| SHOTS (BEST OF)             | : | 10    | 9     | 8     |
| MAXIMUM X                   | : | 1.369 | .576  | .529  |
| MINIMUM X                   | : | -.538 | -.386 | -.391 |
| MAXIMUM Y                   | : | .794  | .757  | .670  |
| MINIMUM Y                   | : | -.786 | -.823 | -.910 |
| CENTROID X                  | : | -.243 | -.395 | -.347 |
| CENTROID Y                  | : | -.001 | .036  | .123  |
| POA TO CENTROID in.         | : | .243  | .397  | .368  |
| MIN RADIUS                  | : | .121  | .041  | .078  |
| MEAN RADIUS                 | : | .706  | .598  | .573  |
| MAX RADIUS                  | : | 1.409 | .824  | .913  |
| HORIZONTAL SPREAD           | : | 1.907 | .962  | .919  |
| VERTICAL SPREAD             | : | 1.580 | 1.580 | 1.580 |
| EXTREME SPREAD              | : | 2.043 | 1.581 | 1.581 |
| NUMBER IN ONE INCH CIRCLE   | = |       | 2     |       |
| NUMBER IN TWO INCH CIRCLE   | = |       | 9     |       |
| NUMBER IN THREE INCH CIRCLE | = |       | 10    |       |