

C6648941

MODEL 760<sup>TM</sup> M24

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

Action

Barrel Length

Capacity

Order No. **5716**

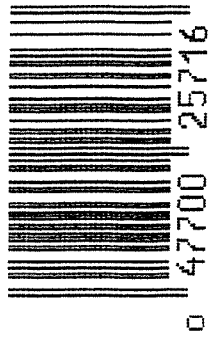
\*Includes 1 in chamber.



|                                                                                                                                                        |  |                                                                                                             |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------|
| <p><b>Remington®</b></p> <p><b>MODEL 700™ M24</b></p> <p>MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. &amp; Tm. Off. Marca Registrada Marque Deposee.</p> |  | <p><b>VERY IMPORTANT:</b><br/>Instruction Book<br/>enclosed to assure<br/>safe use of this<br/>firearm.</p> |
| <p><b>DU PONT</b><br/>REG. U.S. PAT. &amp; T.M. OFF.</p>                                                                                               |  | <p><b>SERIAL NO.</b><br/>C6648941</p>                                                                       |
| <p><b>ORDER NO.</b><br/>5716</p>                                                                                                                       |  | <p><b>0.45</b></p>                                                                                          |



UPC



CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6648941

| 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 | GS   |
|              | Magnaflux Bolt                                                 |          | JUL 22 1991 | GS   |
| 615          | Rollmark Caliber                                               |          | JUL 22 1991 | GS   |
| 617          | Drill and Tap Sight Holes                                      |          | JUL 22 1991 | LB   |
| 618          | Polish Barrel                                                  |          | 7/28/91     | WB   |
| 620          | Apply Coatings<br>(Barrel Action)                              |          | 8/22/91     | LB   |
|              | Apply Coating (Bolt)                                           |          |             |      |
| 625          | Final Assembly<br>A) Clean inside of<br>Bolt Assembly          |          | 8/29/91     | RW   |
|              | B) Inspect Rear Firing<br>Pin Hole for Chamfer<br>in Bolt Head |          | 8/29/91     | RW   |
|              | C) Inspect Ejector Hole<br>for Chamfer                         |          | 8/29/91     | RW   |
|              | D) Oil Firing Pin Ass'y                                        |          | 8/29/91     | RW   |
|              | E) Adjust Trigger Pull to<br>Min Setting and Stake             |          | 9-6-91      | DA   |

| op. #        | BARBER - M24 0033579<br>OP. NAME                            | READINGS |      |      |     |     | DATE    | INIT |
|--------------|-------------------------------------------------------------|----------|------|------|-----|-----|---------|------|
| 625<br>cont. | F) Safety On Force                                          | 5½       | 5    | 5    |     |     | 9-6-91  | D/H  |
|              | G) Safety Off Force                                         | 2½       | 2½   | 2½   |     |     | 9-6-91  | D/H  |
|              | H) Trigger Pull Test & Retainability                        |          |      |      |     |     | 9-6-91  | D/H  |
|              | I) Firing Pin Indent                                        | .020     | .021 | .021 |     |     | 9-7-91  | D/H  |
|              | J) Assemble Stock                                           |          |      |      |     |     | 9/9/91  | RW   |
|              | K) Assemble Swivel Studs                                    |          |      |      |     |     | 9-11-91 | D/H  |
|              | L) Attach Front and Rear Sight Assemblies                   |          |      |      |     |     | 9/9/91  | RW   |
|              | M) Iron Sight Alignment                                     |          |      |      |     |     | 9/9/91  | RW   |
|              | N) Detach Front & Rear Sights & place in numbered container |          |      |      |     |     | 9/9/91  | RW   |
|              | O) Attach Scope to Rifle                                    |          |      |      |     |     | 9/9/91  | RW   |
|              | P) Detach & Attach Scope 20 Times                           |          |      |      |     |     | 9/9/91  | RW   |
| 640          | Gallery Target & Test                                       |          |      |      |     |     | 9-9-91  | NF   |
|              | A) Time                                                     |          |      |      |     |     | "       | NF   |
|              | B) Malfunctions                                             |          |      |      |     |     | "       | NF   |
|              | C) Pierced Primers                                          |          |      |      |     |     | "       | NF   |
|              | D) Optical Clarity of Scope                                 |          |      |      |     |     | "       | NF   |
| 645          | Inspect for Live Ammo                                       |          |      |      |     |     | 9-9-91  | NF   |
| 655          | Final Inspection                                            |          |      |      |     |     |         |      |
|              | A) Headspace                                                |          |      |      |     |     | 9-11-91 | D/H  |
|              | B) Trigger Pull                                             | 259      | 257  | 246  | 247 | 254 | 9-11-91 | D/H  |
|              | C) Function                                                 |          |      |      |     |     | 9-11-91 | D/H  |
| 660          | Pack                                                        |          |      |      |     |     | 9-18-91 | NF   |

AVERAGE PULL FORCE BETWEEN  
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. CCC48941

DATE 9-6-91

TESTER DIT

|         | 2.50#<br>INITIAL | 2.50# AFTER<br>50 CYCLES | FINAL TEST &<br>TO RESET 2.50# |      | COMMENTS                                                               |
|---------|------------------|--------------------------|--------------------------------|------|------------------------------------------------------------------------|
| PULL #1 | 2.58             | 2.64                     | 2.61                           | 2.59 | MIN. SETTING,<br>NO AVG. OF 5<br>READINGS ACCEPT-<br>ABLE LESS THAN 2# |
| PULL #2 | 2.57             | 2.44                     | 2.59                           | 2.57 |                                                                        |
| PULL #3 | 2.48             | 2.41                     | 2.54                           | 2.46 |                                                                        |
| PULL #4 | 2.62             | 2.41                     | 2.60                           | 2.47 |                                                                        |
| PULL #5 | 2.57             | 2.62                     | 2.61                           | 2.54 |                                                                        |
| TOTAL   |                  |                          |                                |      |                                                                        |
| AVG.    |                  |                          |                                |      |                                                                        |

|         | 3.00#<br>INITIAL | 3.00# AFTER<br>20 CYCLES |  | COMMENTS |
|---------|------------------|--------------------------|--|----------|
| PULL #1 | 3.11             | 3.07                     |  |          |
| PULL #2 | 3.09             | 3.05                     |  |          |
| PULL #3 | 3.08             | 3.08                     |  |          |
| PULL #4 | 3.09             | 2.99                     |  |          |
| PULL #5 | 3.02             | 2.95                     |  |          |
| 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 | 4.23             | 4.15                     |                                | 4.12                                 |
| PULL #2 | 4.16             | 4.11                     |                                | 4.18                                 |
| PULL #3 | 4.14             | 4.14                     |                                | 4.21                                 |
| PULL #4 | 4.17             | 4.14                     |                                | 4.13                                 |
| PULL #5 | 4.06             | 4.06                     |                                | 4.21                                 |
| TOTAL   |                  |                          |                                |                                      |
| AVG.    |                  |                          |                                |                                      |

CENTROIDAL DISTANCE CALCULATIONS  
FOR RIFLE # C6648941  
9 Sep 1991

CENTROIDAL DISTANCES

|      |   |          |
|------|---|----------|
| 0 TO | 1 | .108669  |
| 1 TO | 2 | .450481  |
| 1 TO | 3 | .217867  |
| 1 TO | 4 | .0308058 |
| 1 TO | 5 | .0974166 |

44000

(---)POA

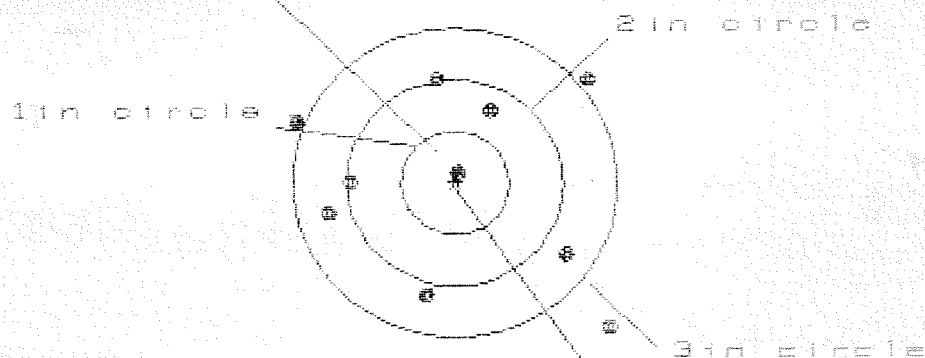
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0566  
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0236  
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0613231  
THE AMR FOR THIS RIFLE IS: 1.034

9 Sep 1991

FILE:/PATTERNING/CENTERFIRE\_PATT/06646941

## CENTERFIRE PATTERNS # 1

POA



# OF SHOTS = 10

# IN CIR

1in = 1

2in = 3

3in = 7

HS = 2.884

VS = 2.356

GS = 3.486

CENTROID \*

| PATTERN #                     | 10     | 9      | 8      |
|-------------------------------|--------|--------|--------|
| SHOTS (BEST OF)               | 10     | 9      | 8      |
| MAXIMUM X                     | 1.454  | 1.360  | 1.201  |
| MINIMUM X                     | -1.430 | -1.268 | -1.174 |
| MAXIMUM Y                     | 1.001  | .851   | .906   |
| MINIMUM Y                     | -1.355 | -1.230 | -1.173 |
| CENTROID X                    | -.028  | -.190  | -.031  |
| CENTROID Y                    | -.105  | .045   | -.012  |
| POA TO CENTROID in.           | .109   | .195   | .033   |
| MIN RADIUS                    | .089   | .180   | .011   |
| MEAN RADIUS                   | 1.153  | 1.039  | .982   |
| MAX RADIUS                    | 1.987  | 1.588  | 1.487  |
| HORIZONTAL SPREAD             | 2.884  | 2.628  | 2.375  |
| VERTICAL SPREAD               | 2.356  | 2.081  | 2.001  |
| EXTREME SPREAD                | 3.486  | 2.796  | 2.676  |
| NUMBER IN ONE INCH CIRCLE =   |        | 1      |        |
| NUMBER IN TWO INCH CIRCLE =   |        | 3      |        |
| NUMBER IN THREE INCH CIRCLE = |        | 7      |        |

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## CENTERFIRE PATTERNS # 2

POA

1 in circle

2 in circle

3 in circle

# OF SHOTS- 10

# IN CIR

1 in = 2

2 in = 7

3 in = 9

CENTROID \*

HS= 2.365

VS= 2.834

GS= 2.937

| PATTERN #                     | 1      | 2      | 3      |
|-------------------------------|--------|--------|--------|
| SHOTS (BEST OF)               | 10     | 9      | 8      |
| MAXIMUM X                     | 1.137  | 1.241  | 1.100  |
| MINIMUM X                     | -1.228 | -1.124 | -1.478 |
| MAXIMUM Y                     | 1.890  | .909   | .867   |
| MINIMUM Y                     | -.944  | -.734  | -.676  |
| CENTROID X                    | .059   | -.045  | .096   |
| CENTROID Y                    | .337   | .127   | .069   |
| POA TO CENTROID in.           | .342   | .135   | .118   |
| MIN RADIUS                    | .260   | .340   | .199   |
| MEAN RADIUS                   | .916   | .754   | .681   |
| MAX RADIUS                    | 2.109  | 1.276  | 1.126  |
| HORIZONTAL SPREAD             | 2.365  | 2.365  | 1.578  |
| VERTICAL SPREAD               | 2.834  | 1.543  | 1.543  |
| EXTREME SPREAD                | 2.937  | 2.485  | 1.842  |
| NUMBER IN ONE INCH CIRCLE =   |        | 2      |        |
| NUMBER IN TWO INCH CIRCLE =   |        | 7      |        |
| NUMBER IN THREE INCH CIRCLE = |        | 9      |        |

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## CENTERFIRE PATTERNS # 3

POA

1in circle

2in circle

3in circle

CENTROID \*

# OF SHOTS= 10

# IN CIR

1in = 2

2in = 4

3in = 8

HS= 2.620

VS= 4.183

GS= 4.311

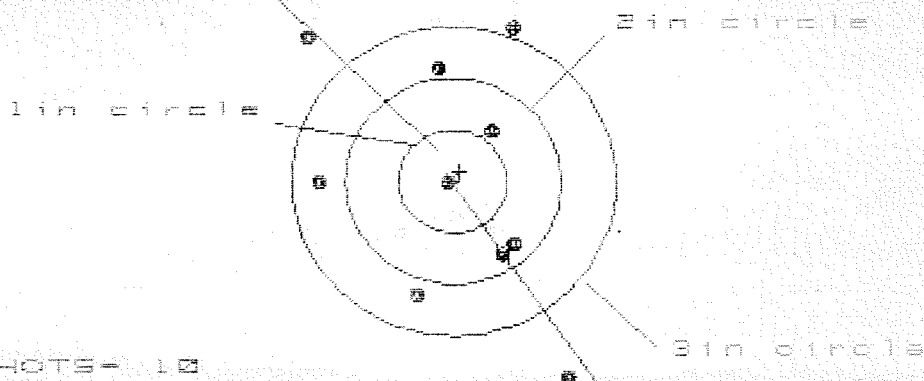
| PATTERN #                   | : | 3      |        |        |
|-----------------------------|---|--------|--------|--------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | 1.301  | 1.416  | 1.429  |
| MINIMUM X                   | : | -1.319 | -1.204 | -1.191 |
| MAXIMUM Y                   | : | 1.755  | 1.485  | 1.212  |
| MINIMUM Y                   | : | -2.428 | -1.256 | -1.070 |
| CENTROID X                  | : | -1.199 | -1.314 | -1.327 |
| CENTROID Y                  | : | -1.240 | .930   | -1.156 |
| POA TO CENTROID in.         | : | .312   | .315   | .362   |
| MIN RADIUS                  | : | .410   | .137   | .301   |
| MEAN RADIUS                 | : | 1.179  | .985   | .914   |
| MAX RADIUS                  | : | 2.639  | 1.489  | 1.432  |
| HORIZONTAL SPREAD           | : | 2.620  | 2.620  | 2.620  |
| VERTICAL SPREAD             | : | 4.183  | 2.741  | 2.282  |
| EXTREME SPREAD              | : | 4.311  | 2.741  | 2.642  |
| NUMBER IN ONE INCH CIRCLE   | = |        | 2      |        |
| NUMBER IN TWO INCH CIRCLE   | = |        | 4      |        |
| NUMBER IN THREE INCH CIRCLE | = |        | 8      |        |

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## CENTERFIRE PATTERNS # 4

POB



# OF SHOTS = 10

# IN CIR

1in = 1

2in = 4

3in = 7

HS = 2.304

VS = 3.458

GS = 4.038

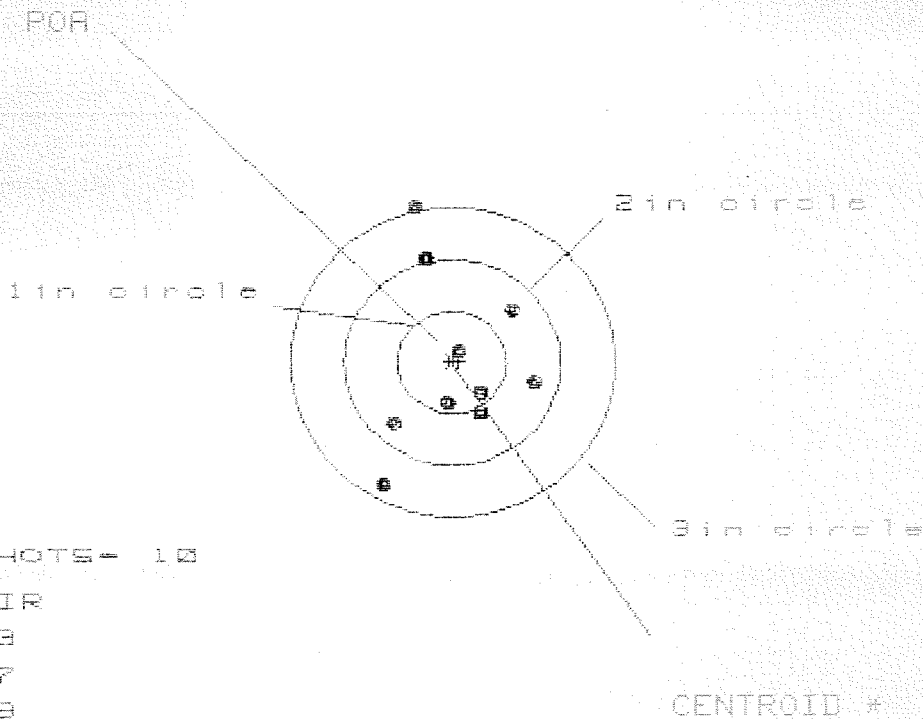
CENTROID #

| PATTERN #                     | 1      | 2      | 3      |
|-------------------------------|--------|--------|--------|
| SHOTS (BEST OF)               | 10     | 9      | 8      |
| MAXIMUM X                     | 1.010  | .710   | .562   |
| MINIMUM X                     | -1.294 | -1.182 | -1.234 |
| MAXIMUM Y                     | 1.528  | 1.313  | 1.459  |
| MINIMUM Y                     | -1.938 | -1.334 | -1.188 |
| CENTROID X                    | -.058  | -.171  | -.023  |
| CENTROID Y                    | -.098  | .117   | -.029  |
| POB TO CENTROID in.           | .114   | .207   | .037   |
| MIN RADIUS                    | .079   | .224   | .137   |
| MEAN RADIUS                   | 1.152  | 1.045  | .936   |
| MAX RADIUS                    | 2.178  | 1.658  | 1.562  |
| HORIZONTAL SPREAD             | 2.304  | 1.892  | 1.796  |
| VERTICAL SPREAD               | 3.458  | 2.647  | 2.647  |
| EXTREME SPREAD                | 4.038  | 2.797  | 2.797  |
| 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



# OF SHOTS= 10

# IN CIR

1in = 3

2in = 7

3in = 9

HS= 1.417

VS= 2.695

GS= 2.711

| PATTERN #                     | 1      | 5      | 9     |
|-------------------------------|--------|--------|-------|
| SHOTS (BEST OF)               | 10     | 9      | 8     |
| MAXIMUM X                     | .735   | .692   | .601  |
| MINIMUM X                     | -.682  | -.725  | -.794 |
| MAXIMUM Y                     | 1.483  | 1.212  | 1.081 |
| MINIMUM Y                     | -1.212 | -1.048 | -.534 |
| CENTROID X                    | -.057  | -.014  | .077  |
| CENTROID Y                    | -.012  | -.176  | -.045 |
| POA TO CENTROID in.           | .058   | .177   | .089  |
| MIN RADIUS                    | .066   | .202   | .146  |
| MEAN RADIUS                   | .772   | .656   | .578  |
| MAX RADIUS                    | 1.532  | 1.274  | 1.132 |
| HORIZONTAL SPREAD             | 1.417  | 1.417  | 1.385 |
| VERTICAL SPREAD               | 2.695  | 2.260  | 1.815 |
| EXTREME SPREAD                | 2.711  | 2.311  | 1.857 |
| NUMBER IN ONE INCH CIRCLE =   |        | 3      |       |
| NUMBER IN TWO INCH CIRCLE =   |        | 7      |       |
| NUMBER IN THREE INCH CIRCLE = |        | 9      |       |