

C6649256

MODEL 700™ M24

Model **SWS**™

Action

Barrel Length

Capacity

Order No. **5715**

\*Includes 1 in chamber.

*Remington*

*Remington*

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

**MODEL 700™ H24**

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

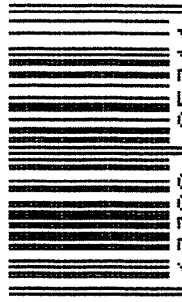
**VERY IMPORTANT:**  
Instruction Book  
enclosed to assure  
safe use of this  
firearm.

|                               |                          |
|-------------------------------|--------------------------|
| <b>SERIAL NO.</b><br>C6649256 | <b>ORDER NO.</b><br>5716 |
|-------------------------------|--------------------------|



5716 C6649256

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6649256

| 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 | LS   |
| 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    | TH   |
|              | Apply Coating (Bolt)                                           |          |            |      |
| 625          | Final Assembly<br>A) Clean inside of<br>Bolt Assembly          |          | 8/27/91    | RW   |
|              | B) Inspect Rear Firing<br>Pin Hole for Chamfer<br>in Bolt Head |          | 8/27/91    | RW   |
|              | C) Inspect Ejector Hole<br>for Chamfer                         |          | 8/27/91    | RW   |
|              | D) Oil Firing Pin Ass'y                                        |          | 8/27/91    | RW   |
|              | E) Adjust Trigger Pull to<br>Min Setting and Stake             |          | 8/27/91    | TH   |

| op. #        | OP. NAME                                                    | READINGS |       |       |      |      | DATE    | INIT |
|--------------|-------------------------------------------------------------|----------|-------|-------|------|------|---------|------|
| 625<br>cont. | F) Safety On Force                                          | 6        | 6     | 6     |      |      | 8/28/91 | GU   |
|              | G) Safety Off Force                                         | 4        | 4     | 4     |      |      | 8/28/91 | GU   |
|              | H) Trigger Pull Test & Retainability                        |          |       |       |      |      | 8/27/91 | GU   |
|              | I) Firing Pin Indent                                        | .022     | .0225 | .0225 |      |      | 8/28/91 | GU   |
|              | J) Assemble Stock                                           |          |       |       |      |      | 8/29/91 | RU   |
|              | K) Assemble Swivel Studs                                    |          |       |       |      |      | 8-31-91 | D/H  |
|              | L) Attach Front and Rear Sight Assemblies                   |          |       |       |      |      | 8/29/91 | RU   |
|              | M) Iron Sight Alignment                                     |          |       |       |      |      | 8/29/91 | RU   |
|              | N) Detach Front & Rear Sights & place in numbered container |          |       |       |      |      | 8/29/91 | RU   |
|              | O) Attach Scope to Rifle                                    |          |       |       |      |      | 8/29/91 | RU   |
|              | P) Detach & Attach Scope 20 Times                           |          |       |       |      |      | 8/29/91 | RU   |
| 640          | Gallery Target & Test                                       |          |       |       |      |      | 8/29/91 | KT   |
|              | A) Time                                                     |          |       |       |      |      |         | KT   |
|              | B) Malfunctions                                             |          |       |       |      |      |         | KT   |
|              | C) Pierced Primers                                          |          |       |       |      |      |         | 1-1  |
|              | D) Optical Clarity of Scope                                 |          |       |       |      |      |         | KT   |
| 645          | Inspect for Live Ammo                                       |          |       |       |      |      | 8/29/91 | KT   |
| 655          | Final Inspection                                            |          |       |       |      |      |         |      |
|              | A) Headspace                                                |          |       |       |      |      | 8-31-91 | D/H  |
|              | B) Trigger Pull                                             | 2.51     | 2.52  | 2.51  | 2.53 | 2.53 | 8-31-91 | D/H  |
|              | C) Function                                                 |          |       |       |      |      | 8-31-91 | D/H  |
| 660          | Pack                                                        |          |       |       |      |      | 9-18-91 | RF   |

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN  
INITIAL & CYCLE TESTS

2.50# ± .50#  
3.00# ± .75#  
4.00# ± 1.00#

SERIAL NO C6649256

DATE 8/27/91

TESTER JR

|         | 2.50#<br>INITIAL | 2.50# AFTER<br>50 CYCLES | FINAL TEST &<br>TO RESET 2.50# |      | COMMENTS                                                               |
|---------|------------------|--------------------------|--------------------------------|------|------------------------------------------------------------------------|
| PULL #1 | 2.57             | 2.29                     | 2.36                           | 2.51 | MIN. SETTING,<br>NO AVG. OF 5<br>READINGS ACCEPT-<br>ABLE LESS THAN 2# |
| PULL #2 | 2.59             | 2.40                     | 2.43                           | 2.52 |                                                                        |
| PULL #3 | 2.23             | 2.58                     | 2.35                           | 2.51 |                                                                        |
| PULL #4 | 2.57             | 2.53                     | 2.51                           | 2.53 |                                                                        |
| PULL #5 | 2.60             | 2.43                     | 2.50                           | 2.53 |                                                                        |
| TOTAL   |                  |                          |                                |      |                                                                        |
| AVG.    |                  |                          |                                |      |                                                                        |

|         | 3.00#<br>INITIAL | 3.00# AFTER<br>20 CYCLES |  | COMMENTS |
|---------|------------------|--------------------------|--|----------|
| PULL #1 | 3.40             | 3.39                     |  |          |
| PULL #2 | 3.32             | 3.37                     |  |          |
| PULL #3 | 3.26             | 3.20                     |  |          |
| PULL #4 | 3.28             | 3.25                     |  |          |
| PULL #5 | 3.28             | 3.20                     |  |          |
| 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 | 4.28             | 4.56                     |                                | 4.45                                 |
| PULL #2 | 4.56             | 4.51                     |                                | 4.43                                 |
| PULL #3 | 4.50             | 4.50                     |                                | 4.48                                 |
| PULL #4 | 4.60             | 4.48                     |                                | 4.46                                 |
| PULL #5 | 4.63             | 4.50                     |                                | 4.49                                 |
| TOTAL   |                  |                          |                                |                                      |
| AVG.    |                  |                          |                                |                                      |

CENTROIDAL DISTANCE CALCULATIONS  
FOR RIFLE # C6649256  
29 Aug 1991.

CENTROIDAL DISTANCES

|      |   |          |
|------|---|----------|
| 0 TO | 1 | .0771038 |
| 1 TO | 2 | .303638  |
| 1 TO | 3 | .254262  |
| 1 TO | 4 | .0906091 |
| 1 TO | 5 | .0630714 |

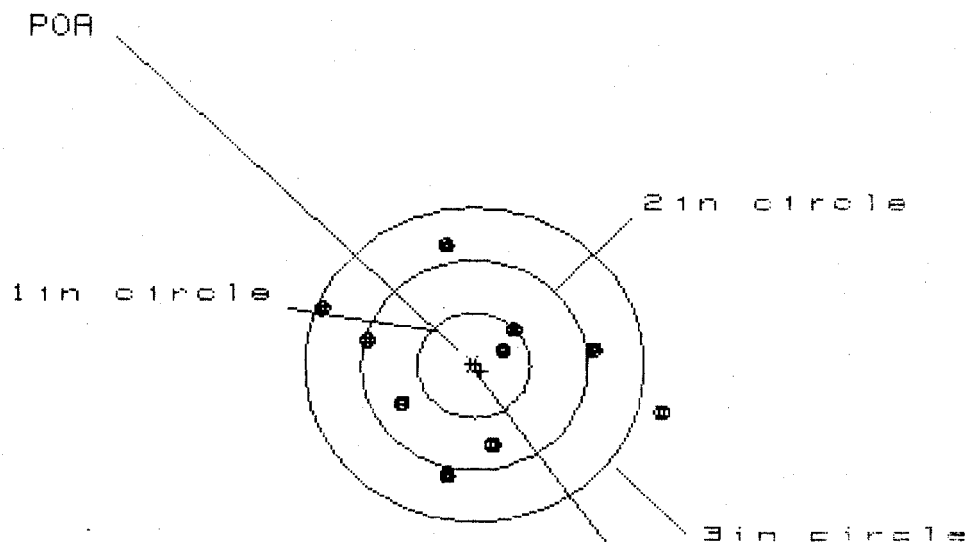
# <----PQR

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0706  
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1094  
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .130203  
THE POI FOR THIS RIFLE IS: .9888

29 Aug 1991

FILE:/PATTERNING/CENTERFIRE\_PATT/C6649256

# CENTERFIRE PATTERNS # 1



# OF SHOTS- 10

# IN CIR

1in = 1

2in = 4

3in = 9

HS= 3.055

VS= 2.174

GS= 3.196

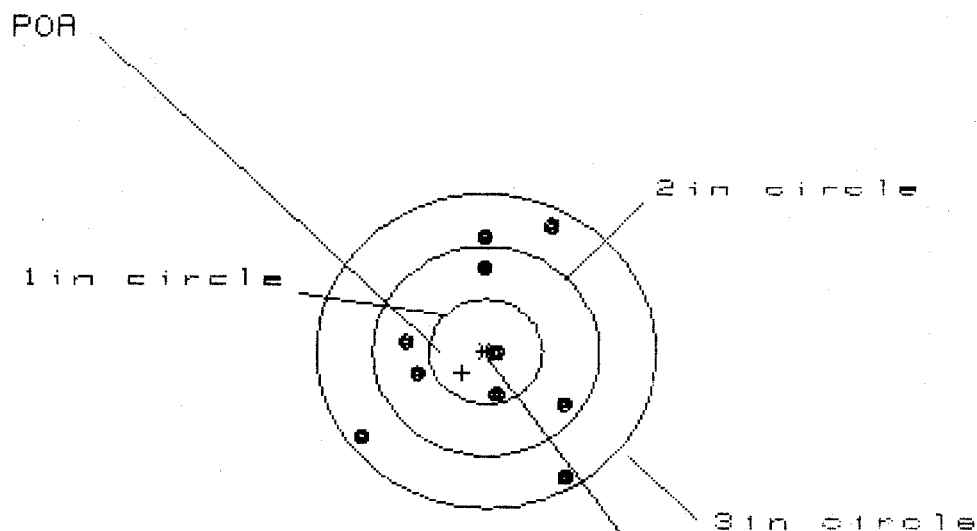
|                            |   |        |        |        |
|----------------------------|---|--------|--------|--------|
| PATTERN #                  | : | 1      |        |        |
| SHOTS (BEST OF)            | : | 10     | 9      | 8      |
| MAXIMUM X                  | : | 1.681  | 1.250  | 1.102  |
| MINIMUM X                  | : | -1.374 | -1.187 | -.939  |
| MAXIMUM Y                  | : | 1.156  | 1.109  | 1.168  |
| MINIMUM Y                  | : | -1.018 | -1.065 | -1.006 |
| CENTROID X                 | : | -.056  | -.243  | -.095  |
| CENTROID Y                 | : | .053   | .100   | .041   |
| POS TO CENTROID in.        | : | .078   | .263   | .103   |
| 1IN RADIUS                 | : | .276   | .432   | .315   |
| 2IN RADIUS                 | : | .990   | .906   | .840   |
| 3IN RADIUS                 | : | 1.734  | 1.277  | 1.185  |
| HORIZONTAL SPREAD          | : | 3.055  | 2.437  | 2.041  |
| VERTICAL SPREAD            | : | 2.174  | 2.174  | 2.174  |
| DIAGS SPREAD               | : | 3.196  | 2.464  | 2.174  |
| SHOTS IN ONE INCH CIRCLE   | = | 1      |        |        |
| SHOTS IN TWO INCH CIRCLE   | = | 4      |        |        |
| SHOTS IN THREE INCH CIRCLE | = | 9      |        |        |

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# CENTERFIRE PATTERNS

# 2



# OF SHOTS- 10

# IN CIR

1 in - 2

2 in - 6

3 in - 10

HS- 1.830

VS- 2.402

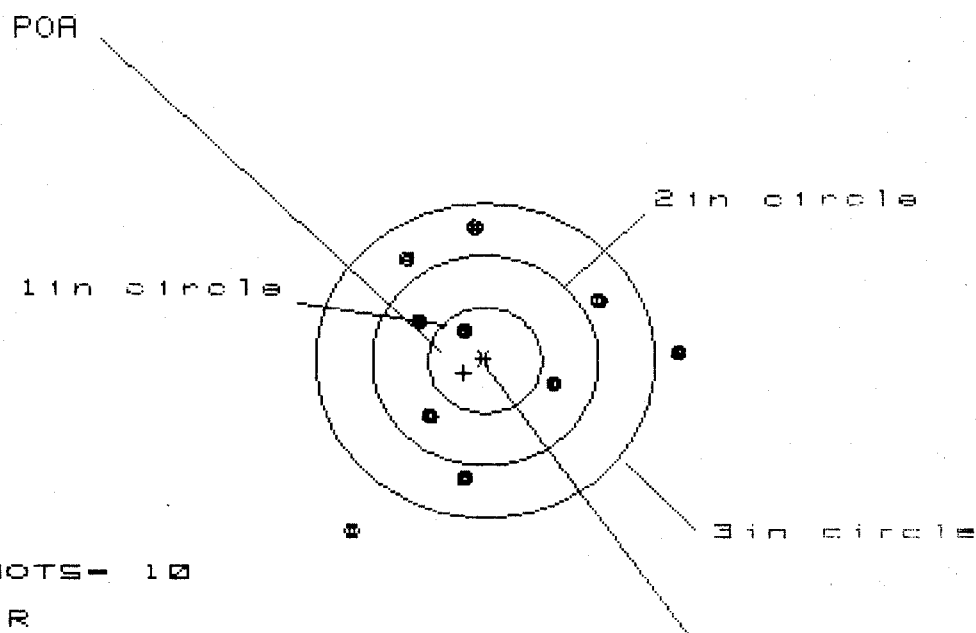
GS- 2.617

| PATTERN #                   | : |        |        |       |
|-----------------------------|---|--------|--------|-------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8     |
| MAXIMUM X                   | : | .731   | .797   | .670  |
| MINIMUM X                   | : | -1.099 | -1.018 | -.721 |
| MAXIMUM Y                   | : | 1.201  | 1.067  | .952  |
| MINIMUM Y                   | : | -1.201 | -.917  | -.775 |
| CENTROID X                  | : | .208   | .127   | .254  |
| CENTROID Y                  | : | .203   | .337   | .452  |
| POA TO CENTROID in.         | : | .291   | .360   | .518  |
| MIN RADIUS                  | : | .133   | .275   | .309  |
| MEAN RADIUS                 | : | .867   | .812   | .744  |
| MAX RADIUS                  | : | 1.406  | 1.370  | 1.105 |
| HORIZONTAL SPREAD           | : | 1.830  | 1.815  | 1.391 |
| VERTICAL SPREAD             | : | 2.402  | 1.984  | 1.727 |
| EXTREME SPREAD              | : | 2.617  | 2.617  | 1.833 |
| 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



# OF SHOTS- 10

# IN CIR

1 in - 1

2 in - 4

3 in - 8

HS- 2.927

VS- 2.827

GS- 3.386

CENTROID \*

|                             |   |        |        |        |
|-----------------------------|---|--------|--------|--------|
| PATTERN #                   | : |        |        |        |
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | 1.742  | 1.610  | 1.044  |
| MINIMUM X                   | : | -1.185 | -.827  | -.625  |
| MAXIMUM Y                   | : | 1.229  | 1.052  | 1.042  |
| MINIMUM Y                   | : | -1.598 | -1.330 | -1.340 |
| CENTROID X                  | : | .189   | .321   | .119   |
| CENTROID Y                  | : | .121   | .298   | .307   |
| POA TO CENTROID in.         | : | .224   | .438   | .330   |
| MIN RADIUS                  | : | .274   | .285   | .090   |
| MEAN RADIUS                 | : | 1.086  | .972   | .851   |
| MAX RADIUS                  | : | 1.989  | 1.612  | 1.349  |
| HORIZONTAL SPREAD           | : | 2.927  | 2.437  | 1.670  |
| VERTICAL SPREAD             | : | 2.827  | 2.382  | 2.382  |
| EXTREME SPREAD              | : | 3.386  | 2.581  | 2.388  |
| NUMBER IN ONE INCH CIRCLE   | = |        | 1      |        |
| NUMBER IN TWO INCH CIRCLE   | = |        | 4      |        |
| NUMBER IN THREE INCH CIRCLE | = |        | 8      |        |

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# CENTERFIRE PATTERNS

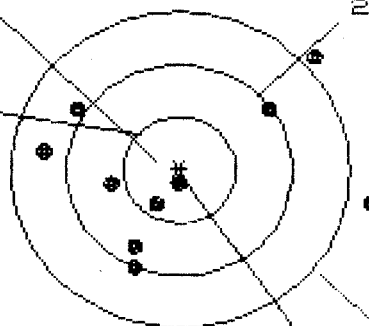
# 4

POA

1in circle

2in circle

3in circle



# OF SHOTS- 10

# IN CIR

1in = 2

2in = 4

3in = 8

HS= 2.849

VS= 2.094

GS= 2.903

CENTROID \*

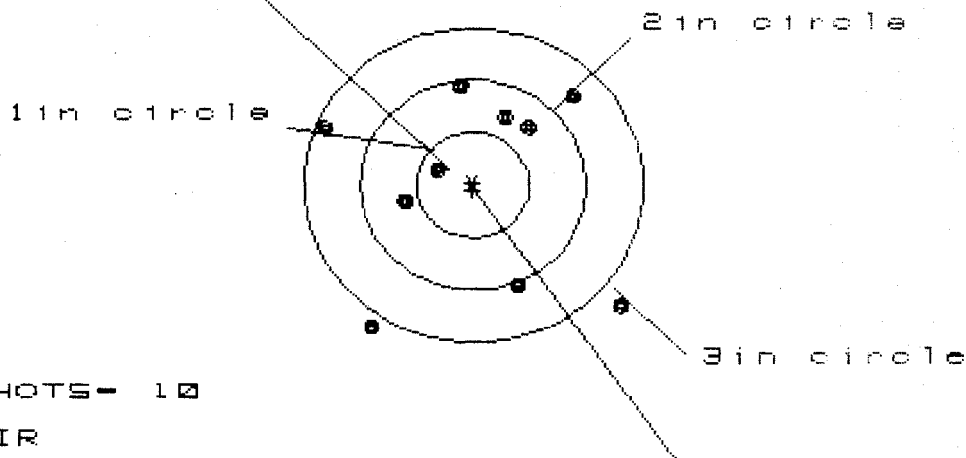
| PATTERN #                   | : | 10     | 9      | 8     |
|-----------------------------|---|--------|--------|-------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8     |
| MAXIMUM X                   | : | 1.670  | 1.410  | 1.198 |
| MINIMUM X                   | : | -1.179 | -.994  | -.818 |
| MAXIMUM Y                   | : | 1.125  | 1.085  | .711  |
| MINIMUM Y                   | : | -.969  | -1.009 | -.873 |
| CENTROID X                  | : | .005   | -.180  | -.356 |
| CENTROID Y                  | : | .120   | .160   | .024  |
| POA TO CENTROID in.         | : | .120   | .241   | .357  |
| MIN RADIUS                  | : | .106   | .187   | .223  |
| MEAN RADIUS                 | : | .963   | .851   | .687  |
| MAX RADIUS                  | : | 1.709  | 1.779  | 1.379 |
| HORIZONTAL SPREAD           | : | 2.849  | 2.404  | 2.016 |
| VERTICAL SPREAD             | : | 2.094  | 2.094  | 1.584 |
| EXTREME SPREAD              | : | 2.903  | 2.660  | 2.054 |
| NUMBER IN ONE INCH CIRCLE   | = | 2      |        |       |
| NUMBER IN TWO INCH CIRCLE   | = | 4      |        |       |
| NUMBER IN THREE INCH CIRCLE | = | 8      |        |       |

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# CENTERFIRE PATTERNS # 5

FOR



# OF SHOTS- 10

# IN CIR

1in - 1

2in - 5

3in = 8

HS- 2.685

VS= 2.258

GS= 3.168

CENTROID \*

| PATTERN #                   | : | 10     | 9      | 8      |
|-----------------------------|---|--------|--------|--------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | 1.329  | .993   | .898   |
| MINIMUM X                   | : | -1.356 | -1.209 | -1.304 |
| MAXIMUM Y                   | : | .921   | .797   | .614   |
| MINIMUM Y                   | : | -1.337 | -1.461 | -1.304 |
| CENTROID X                  | : | .007   | -.140  | -.045  |
| CENTROID Y                  | : | .050   | .174   | .357   |
| FOR TO CENTROID in.         | : | .050   | .223   | .359   |
| MIN RADIUS                  | : | .326   | .146   | .291   |
| MEAN RADIUS                 | : | 1.038  | .923   | .805   |
| MAX RADIUS                  | : | 1.737  | 1.649  | 1.364  |
| HORIZONTAL SPREAD           | : | 2.685  | 2.202  | 2.202  |
| VERTICAL SPREAD             | : | 2.258  | 2.258  | 1.919  |
| EXTREME SPREAD              | : | 3.168  | 2.770  | 2.309  |
| NUMBER IN ONE INCH CIRCLE   | = | 1      |        |        |
| NUMBER IN TWO INCH CIRCLE   | = | 5      |        |        |
| NUMBER IN THREE INCH CIRCLE | = | 8      |        |        |