

C6649151

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

\*Includes 1 in chamber.

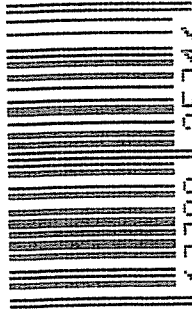
*Remington*

|                                                                                                                                                         |  |                                                                                                  |                                 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------|---------------------------------|
| <b>Remington®</b><br><small>REG. U.S. PAT. &amp; TM. OFF.</small><br> |  | <b>VERY IMPORTANT:</b><br>Instruction Book<br>enclosed to assure<br>safe use of this<br>firearm. |                                 |
| <b>MODEL 700™</b> <b>H24</b>                                                                                                                            |  | <b>SERIAL NO.</b><br>C6649151                                                                    | <b>ORDER NO.</b><br><b>5716</b> |
| <small>MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. &amp; Tm. Off. Marca Registrada Marque Deposee.</small>                                                |  |                                                                                                  |                                 |



5716 C6649151

UPC



0 47700 25716 7

MOD. \_\_\_\_\_ GA. CAL. \_\_\_\_\_ GUN # 9151

| #<br>TEST | DATE           | MALFUNCTION/DEFECT                         | ASSEM.<br># |
|-----------|----------------|--------------------------------------------|-------------|
|           | 1st            |                                            |             |
| <i>NF</i> | <i>5/13</i>    | <i>S.B.</i>                                | <i>KS</i>   |
|           | 2nd            |                                            |             |
|           | <i>8/14/91</i> | <i>Polish face of Bolt<br/>100 Rd TEST</i> | <i>RW</i>   |
|           | 3rd            |                                            |             |
|           | 4th            |                                            |             |
|           |                | FUNCTION                                   |             |

RD 6654 Rev 1

| TEST INIT. ACTION TO CORRECT |                                                     | ASSEM.<br># |
|------------------------------|-----------------------------------------------------|-------------|
| PROOF                        | <i>shot OK</i><br><i>test</i><br><i>8-14-91 D/H</i> |             |
| TEST                         |                                                     |             |
| TGT                          |                                                     |             |
| PROOF                        |                                                     |             |
| TEST                         |                                                     |             |
| TGT                          |                                                     |             |
| PROOF                        | ENGINEER                                            |             |
| TEST                         |                                                     |             |
| TGT                          |                                                     |             |
| PROOF                        | ENGINEER                                            |             |
| TEST                         |                                                     |             |
| TGT                          |                                                     |             |

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # **C6649151**

| OP. #        | OP. NAME                                                       | READINGS | DATE        | INIT |
|--------------|----------------------------------------------------------------|----------|-------------|------|
| 575 &<br>580 | Assemble Action<br>and Stock                                   |          | 6/26/91     | KA   |
| 600          | Proof                                                          |          | 6/26/91     | KA   |
| 607          | Check Headspace                                                |          | 6/26/91     | KA   |
| 610          | Dis-assemble Gun                                               |          | 6/26/91     | KA   |
| 612          | Magnaflux Barrel<br>Action                                     |          | JUL 18 1991 | CS   |
|              | Magnaflux Bolt                                                 |          | JUL 18 1991 | CS   |
| 615          | Rollmark Caliber                                               |          | JUL 18 1991 | CS   |
| 617          | Drill and Tap Sight Holes                                      |          | JUL 18 1991 | FB   |
| 618          | Polish Barrel                                                  |          | JUL 20 1991 | WB   |
| 620          | Apply Coatings<br>(Barrel Action)                              |          | 8-7-91      | KA   |
|              | Apply Coating (Bolt)                                           |          |             | KA   |
| 625          | Final Assembly<br>A) Clean inside of<br>Bolt Assembly          |          | 8/8/91      | KA   |
|              | B) Inspect Rear Firing<br>Pin Hole for Chamfer<br>in Bolt Head |          | 8/8/91      | KA   |
|              | C) Inspect Ejector Hole<br>for Chamfer                         |          | 8/8/91      | KA   |
|              | D) Oil Firing Pin Ass'y                                        |          | 8/8/91      | KA   |
|              | E) Adjust Trigger Pull to<br>Min Setting and Stake             |          | 8-9-91      | KA   |

| op. #        | OP. NAME                                                    | READINGS |       |       |      |      | DATE    | INIT |
|--------------|-------------------------------------------------------------|----------|-------|-------|------|------|---------|------|
| 625<br>cont. | F) Safety On Force                                          | 5        | 5     | 5     |      |      | 8-9-91  | JK   |
|              | G) Safety Off Force                                         | 3        | 3     | 3     |      |      | 8-9-91  | JK   |
|              | H) Trigger Pull Test & Retainability                        |          |       |       |      |      | 8-9-91  | JK   |
|              | I) Firing Pin Indent                                        | 10205    | 10205 | 10205 |      |      | 8-9-91  | JK   |
|              | J) Assemble Stock                                           |          |       |       |      |      | 8/12/91 | JK   |
|              | K) Assemble Swivel Studs                                    |          |       |       |      |      | 8-14-91 | DH   |
|              | L) Attach Front and Rear Sight Assemblies                   |          |       |       |      |      | 8/12/91 | JK   |
|              | M) Iron Sight Alignment                                     |          |       |       |      |      | 8/12/91 | JK   |
|              | N) Detach Front & Rear Sights & place in numbered container |          |       |       |      |      | 8/12/91 | JK   |
|              | O) Attach Scope to Rifle                                    |          |       |       |      |      | 8/12/91 | JK   |
|              | P) Detach & Attach Scope 20 Times                           |          |       |       |      |      | 8/12/91 | JK   |
| 640          | Gallery Target & Test                                       |          |       |       |      |      | 8-13-91 | NF   |
|              | A) Time                                                     |          |       |       |      |      | "       | NF   |
|              | B) Malfunctions                                             |          |       |       |      |      | "       | NF   |
|              | C) Pierced Primers                                          |          |       |       |      |      | "       | NF   |
|              | D) Optical Clarity of Scope                                 |          |       |       |      |      | "       | NF   |
| 645          | Inspect for Live Ammo                                       |          |       |       |      |      | 8-13-91 | NF   |
| 655          | Final Inspection                                            |          |       |       |      |      |         |      |
|              | A) Headspace                                                |          |       |       |      |      | 8-14-91 | DH   |
|              | B) Trigger Pull                                             | 2.29     | 2.30  | 2.26  | 2.24 | 2.20 | 8-14-91 | JK   |
|              | C) Function                                                 |          |       |       |      |      | 8-14-91 | DH   |
| 660          | Pack                                                        |          |       |       |      |      | 9-19-91 | NF   |

CENTROIDAL DISTANCE CALCULATIONS  
FOR RIFLE # C6649151  
23 Aug 1991

CENTROIDAL DISTANCES

|      |   |         |
|------|---|---------|
| 0 TO | 1 | .12816  |
| 1 TO | 2 | .117047 |
| 1 TO | 3 | .31942  |
| 1 TO | 4 | .184978 |
| 1 TO | 5 | .227466 |

★ (----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.107  
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0378  
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .113481  
THE AMR FOR THIS RIFLE IS: .9216

23 Aug 1991

FILE:/PATTERNING/CENTERFIRE\_PATT/C6649151

# CENTERFIRE PATTERNS # 1

POA

1 in circle

2 in circle

3 in circle

CENTROID #

# OF SHOTS= 10

# IN CIR

1 in = 2

2 in = 6

3 in = 8

HS= 2.701

VS= 2.404

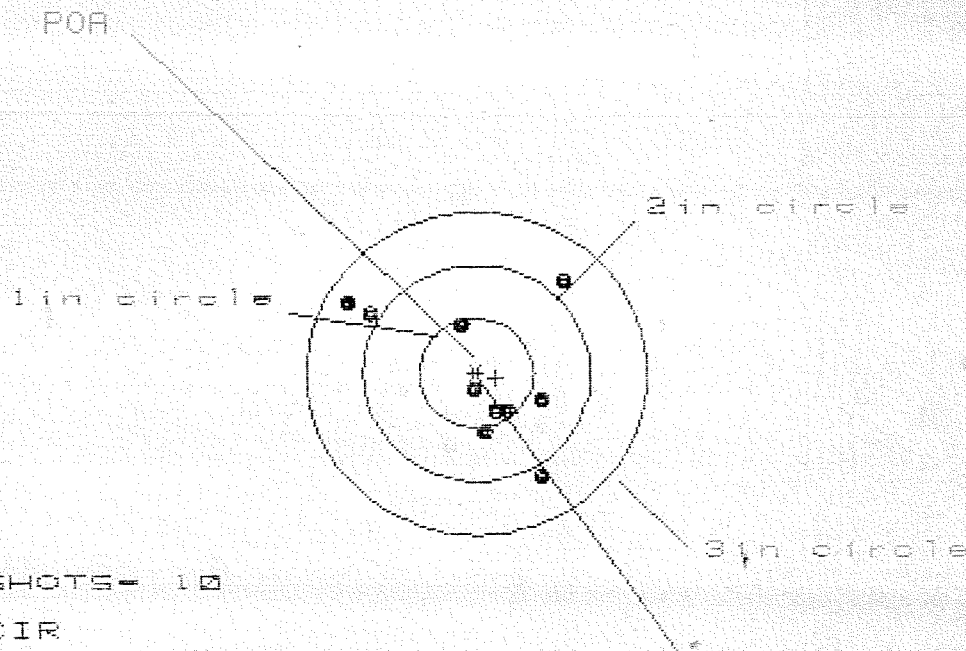
GS= 2.833

| PATTERN #                     | 1      | 2      | 3      |
|-------------------------------|--------|--------|--------|
| SHOTS (BEST OF)               | 10     | 9      | 8      |
| MAXIMUM X                     | 1.510  | 1.384  | .717   |
| MINIMUM X                     | -1.191 | -1.317 | -1.144 |
| MAXIMUM Y                     | 1.453  | .861   | .934   |
| MINIMUM Y                     | -.951  | -.789  | -.716  |
| CENTROID X                    | -.069  | .057   | -.116  |
| CENTROID Y                    | .108   | -.054  | -.127  |
| POA TO CENTROID in.           | .128   | .078   | .172   |
| MIN RADIUS                    | .116   | .214   | .324   |
| MEAN RADIUS                   | .956   | .825   | .741   |
| MAX RADIUS                    | 1.842  | 1.504  | 1.244  |
| HORIZONTAL SPREAD             | 2.701  | 2.701  | 1.861  |
| VERTICAL SPREAD               | 2.404  | 1.650  | 1.650  |
| EXTREME SPREAD                | 2.833  | 2.707  | 1.989  |
| NUMBER IN ONE INCH CIRCLE =   | 2      |        |        |
| NUMBER IN TWO INCH CIRCLE =   | 6      |        |        |
| NUMBER IN THREE INCH CIRCLE = | 8      |        |        |

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FILE:/PATTERNING/CENTERFIRE\_PATT/C8849151

# CENTERFIRE PATTERNS # 2



# OF SHOTS- 10

# IN CIR

1 in = 4

2 in = 6

3 in = 10

HS= 1.952

VS= 1.873

GS= 2.411

CENTROID \*

|                             |   |        |        |        |
|-----------------------------|---|--------|--------|--------|
| PATTERN #                   | : | 2      |        |        |
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | .778   | .647   | .514   |
| MINIMUM X                   | : | -1.174 | -1.088 | -1.007 |
| MAXIMUM Y                   | : | .880   | .955   | .779   |
| MINIMUM Y                   | : | -.993  | -.918  | -.798  |
| CENTROID X                  | : | -.167  | -.036  | -.117  |
| CENTROID Y                  | : | .044   | -.031  | -.150  |
| POA TO CENTROID in.         | : | .173   | .048   | .191   |
| MIN RADIUS                  | : | .120   | .146   | .096   |
| MEAN RADIUS                 | : | .733   | .631   | .532   |
| MAX RADIUS                  | : | 1.356  | 1.272  | 1.273  |
| HORIZONTAL SPREAD           | : | 1.952  | 1.735  | 1.521  |
| VERTICAL SPREAD             | : | 1.873  | 1.873  | 1.578  |
| EXTREME SPREAD              | : | 2.411  | 2.192  | 2.192  |
| NUMBER IN ONE INCH CIRCLE   | = |        | 4      |        |
| NUMBER IN TWO INCH CIRCLE   | = |        | 6      |        |
| NUMBER IN THREE INCH CIRCLE | = |        | 10     |        |

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FILE:/PATTERNING/CENTERFIRE\_PATT/C8549151

# CENTERFIRE PATTERNS # 3

POA

1in circle

2in circle

3in circle

CENTROID \*

# OF SHOTS= 10

# IN CIR

1in = 2

2in = 7

3in = 8

HS= 1.893

VS= 3.434

CS= 3.482

PATTERN #

3

SHOTS (BEST OF)

10

9

8

MAXIMUM X

1.039

1.063

1.022

MINIMUM X

-.854

-.830

-.870

MAXIMUM Y

1.683

1.489

.921

MINIMUM Y

-1.751

-.813

-.627

CENTROID X

.008

-.016

.024

CENTROID Y

-.202

-.008

-.194

POA TO CENTROID in.

.202

.018

.195

MIN RADIUS

.109

.182

.123

MEAN RADIUS

.839

.749

.615

MAX RADIUS

1.765

1.524

1.035

HORIZONTAL SPREAD

1.893

1.893

1.893

VERTICAL SPREAD

3.434

2.302

1.548

EXTREME SPREAD

3.482

2.304

1.893

NUMBER IN ONE INCH CIRCLE =

2

NUMBER IN TWO INCH CIRCLE =

7

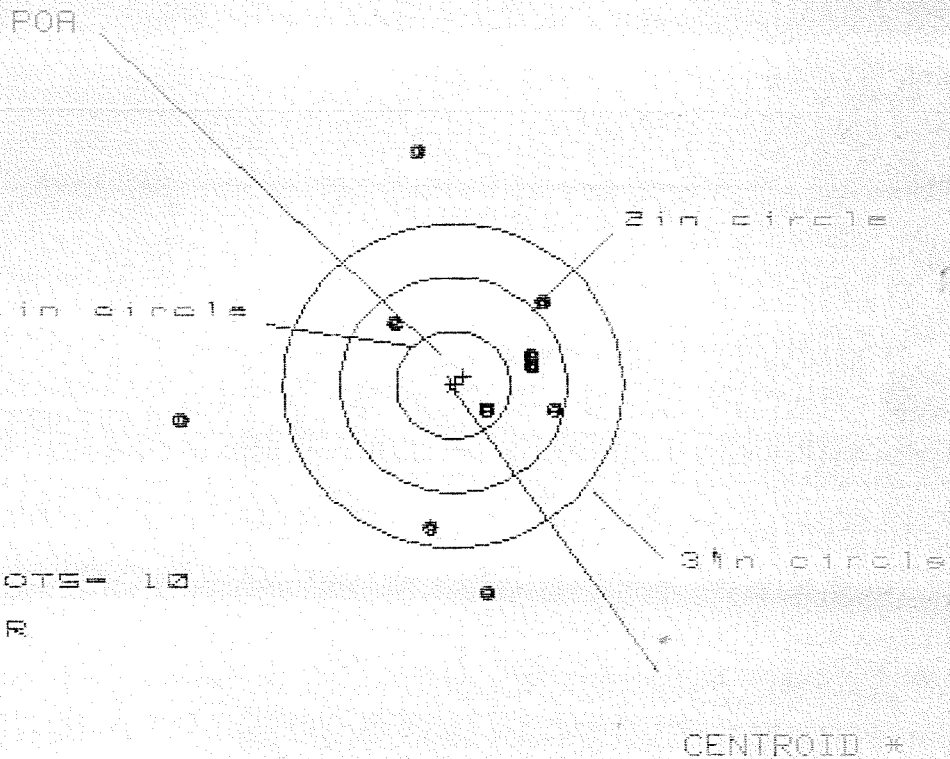
NUMBER IN THREE INCH CIRCLE =

8

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FILE:/PATTERNING/CENTERFIRE\_PATT/C6649151

# CENTERFIRE PATTERNS # 4



# OF SHOTS- 10

# IN CIR

1 in = 1

2 in = 5

3 in = 7

HS= 3.302

VS= 4.082

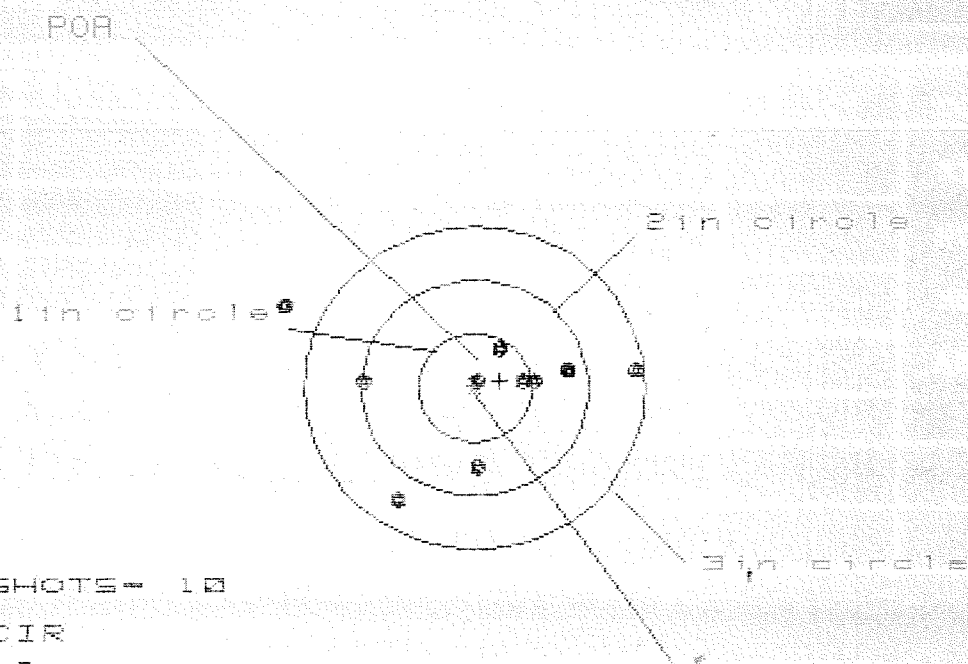
GS= 4.117

| PATTERN #                     | 4      | 9      | 8      |
|-------------------------------|--------|--------|--------|
| SHOTS (BEST OR)               | 10     | 9      | 8      |
| MAXIMUM X                     | .846   | .573   | .505   |
| MINIMUM X                     | -2.456 | -.819  | -.887  |
| MAXIMUM Y                     | 2.200  | 2.167  | 1.034  |
| MINIMUM Y                     | -1.882 | -1.915 | -1.644 |
| CENTROID X                    | -.088  | .185   | .253   |
| CENTROID Y                    | -.076  | -.043  | -.314  |
| POA TO CENTROID in.           | .116   | .190   | .403   |
| MIN RADIUS                    | .347   | .227   | .068   |
| MEAN RADIUS                   | 1.241  | 1.019  | .850   |
| MAX RADIUS                    | 2.475  | 2.233  | 1.646  |
| HORIZONTAL SPREAD             | 3.302  | 1.392  | 1.392  |
| VERTICAL SPREAD               | 4.082  | 4.082  | 2.678  |
| EXTREME SPREAD                | 4.117  | 4.117  | 2.732  |
| NUMBER IN ONE INCH CIRCLE =   | 1      |        |        |
| NUMBER IN TWO INCH CIRCLE =   | 5      |        |        |
| 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= 3.017

VS= 1.827

GS= 3.072

CENTROID #

| PATTERN #                   |        |        |        |
|-----------------------------|--------|--------|--------|
| SHOTS (BEST OF)             | 10     | 9      | 8      |
| MAXIMUM X                   | 1.378  | 1.196  | .778   |
| MINIMUM X                   | -1.639 | -1.159 | -1.010 |
| MAXIMUM Y                   | .767   | .401   | .435   |
| MINIMUM Y                   | -1.060 | -.975  | -.941  |
| CENTROID X                  | -.219  | -.037  | -.186  |
| CENTROID Y                  | -.063  | -.148  | -.182  |
| POA TO CENTROID in.         | .228   | .152   | .260   |
| MIN RADIUS                  | .083   | .262   | .207   |
| MEAN RADIUS                 | .839   | .796   | .659   |
| MAX RADIUS                  | 1.809  | 1.324  | 1.202  |
| HORIZONTAL SPREAD           | 3.017  | 2.355  | 1.788  |
| VERTICAL SPREAD             | 1.827  | 1.376  | 1.376  |
| EXTREME SPREAD              | 3.072  | 2.435  | 1.966  |
| NUMBER IN ONE INCH CIRCLE   | = 3    |        |        |
| NUMBER IN TWO INCH CIRCLE   | = 7    |        |        |
| NUMBER IN THREE INCH CIRCLE | = 9    |        |        |

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN  
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO C6649151

DATE 8-9-91

TESTER [Signature]

|         | 2.50#<br>INITIAL | 2.50# AFTER<br>50 CYCLES | FINAL TEST &<br>TO RESET 2.50# |      | COMMENTS                                                               |
|---------|------------------|--------------------------|--------------------------------|------|------------------------------------------------------------------------|
| PULL #1 | 2.43             | 2.40                     | 2.35                           | 2.29 | MIN. SETTING,<br>NO AVG. OF 5<br>READINGS ACCEPT-<br>ABLE LESS THAN 2# |
| PULL #2 | 2.48             | 2.41                     | 2.38                           | 2.30 |                                                                        |
| PULL #3 | 2.45             | 2.41                     | 2.20                           | 2.26 |                                                                        |
| PULL #4 | 2.46             | 2.39                     | 2.40                           | 2.24 |                                                                        |
| PULL #5 | 2.44             | 2.34                     | 2.44                           | 2.20 |                                                                        |
| TOTAL   |                  |                          |                                |      |                                                                        |
| AVG.    |                  |                          |                                |      |                                                                        |

|         | 3.00#<br>INITIAL | 3.00# AFTER<br>20 CYCLES |  | COMMENTS |
|---------|------------------|--------------------------|--|----------|
| PULL #1 | 3.71             | 3.38                     |  |          |
| PULL #2 | 3.35             | 3.30                     |  |          |
| PULL #3 | 3.32             | 3.40                     |  |          |
| PULL #4 | 3.36             | 3.30                     |  |          |
| PULL #5 | 3.37             | 3.30                     |  |          |
| 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 | 4.24             | 4.17                     |                                | 4.28                                 |
| PULL #2 | 4.24             | 4.24                     |                                | 4.28                                 |
| PULL #3 | 4.18             | 4.25                     |                                | 4.22                                 |
| PULL #4 | 4.23             | 4.29                     |                                | 4.27                                 |
| PULL #5 | 4.16             | 4.24                     |                                | 4.26                                 |
| TOTAL   |                  |                          |                                |                                      |
| AVG.    |                  |                          |                                |                                      |