

C6649232

MODEL 700™ M24

Model **SMS**

™

Action

Barrel Length

Capacity

Order No.

**5716**

\*Includes 1 in chamber.

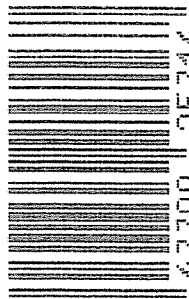
*Remington*

|                                                                                                                                                                               |  |                                                                                                      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------|
| <p><b>Remington</b><sup>®</sup></p> <p><b>MODEL 700<sup>TM</sup> H24</b></p> <p>MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. &amp; Tm. Off. Marca Registrada Marque Deposee.</p> |  | <p>VERY IMPORTANT:<br/>Instruction Book<br/>enclosed to assure<br/>safe use of this<br/>firearm.</p> |
| <p><b>DU PONT</b><br/>REGISTERED TRADE MARK</p>                                                                                                                               |  | <p>SERIAL NO.<br/>C6649232</p>                                                                       |
| <p>20</p>                                                                                                                                                                     |  | <p>ORDER NO.<br/>5716</p>                                                                            |



5716 C6649232

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6649232

| 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)                              |          |             | LB   |
|              | Apply Coating (Bolt)                                           |          |             | LB   |
| 625          | Final Assembly<br>A) Clean inside of<br>Bolt Assembly          |          | 8/9/91      | RW   |
|              | B) Inspect Rear Firing<br>Pin Hole for Chamfer<br>in Bolt Head |          | 8/9/91      | RW   |
|              | C) Inspect Ejector Hole<br>for Chamfer                         |          | 8/9/91      | RW   |
|              | D) Oil Firing Pin Ass'y                                        |          | 8/9/91      | RW   |
|              | E) Adjust Trigger Pull to<br>Min Setting and Stake             |          | 8-12-91     | HL   |

| op. #        | OP. NAME                                                    | READINGS |      |      |      |      | DATE    | INIT |
|--------------|-------------------------------------------------------------|----------|------|------|------|------|---------|------|
| 625<br>cont. | F) Safety On Force                                          | 4        | 4    | 4    |      |      | 8-12-91 | JM   |
|              | G) Safety Off Force                                         | 2        | 2    | 2    |      |      | 8-12-91 | JM   |
|              | H) Trigger Pull Test & Retainability                        |          |      |      |      |      | 8-12-91 | JM   |
|              | I) Firing Pin Indent                                        | .021     | .021 | .021 |      |      | 8-12-91 | JM   |
|              | J) Assemble Stock                                           |          |      |      |      |      | 8/12/91 | RW   |
|              | K) Assemble Swivel Studs                                    |          |      |      |      |      | 8-13-91 | DH   |
|              | L) Attach Front and Rear Sight Assemblies                   |          |      |      |      |      | 8/12/91 | RW   |
|              | M) Iron Sight Alignment                                     |          |      |      |      |      | 8/12/91 | RW   |
|              | N) Detach Front & Rear Sights & place in numbered container |          |      |      |      |      | 8/12/91 | RW   |
|              | O) Attach Scope to Rifle                                    |          |      |      |      |      | 8/12/91 | RW   |
|              | P) Detach & Attach Scope 20 Times                           |          |      |      |      |      | 8/12/91 | RW   |
| 640          | Gallery Target & Test                                       |          |      |      |      |      | 8/12/91 | KT   |
|              | A) Time                                                     |          |      |      |      |      |         | KT   |
|              | B) Malfunctions                                             |          |      |      |      |      |         | LT   |
|              | C) Pierced Primers                                          |          |      |      |      |      |         | KT   |
|              | D) Optical Clarity of Scope                                 |          |      |      |      |      |         | KT   |
| 645          | Inspect for Live Ammo                                       |          |      |      |      |      | 8/12/91 | KT   |
| 655          | Final Inspection                                            |          |      |      |      |      |         |      |
|              | A) Headspace                                                |          |      |      |      |      | 8-13-91 | DH   |
|              | B) Trigger Pull                                             | 2.22     | 2.25 | 2.38 | 2.32 | 2.19 | 8-13-91 | JM   |
|              | C) Function                                                 |          |      |      |      |      | 8-13-91 | DH   |
| 660          | Pack                                                        |          |      |      |      |      | 8-13-91 | DH   |

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN  
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6649232

DATE 8-12-91

TESTER JRU

|         | 2.50#<br>INITIAL | 2.50# AFTER<br>50 CYCLES | FINAL TEST &<br>TO RESET 2.50# |      | COMMENTS                                                               |
|---------|------------------|--------------------------|--------------------------------|------|------------------------------------------------------------------------|
| PULL #1 | 2.49             | 2.36                     | 2.33                           | 2.22 | MIN. SETTING,<br>NO AVG. OF 5<br>READINGS ACCEPT-<br>ABLE LESS THAN 2# |
| PULL #2 | 2.56             | 2.65                     | 2.40                           | 2.25 |                                                                        |
| PULL #3 | 2.58             | 2.34                     | 2.44                           | 2.38 |                                                                        |
| PULL #4 | 2.60             | 2.20                     | 2.36                           | 2.32 |                                                                        |
| PULL #5 | 2.64             | 2.36                     | 2.30                           | 2.19 |                                                                        |
| TOTAL   |                  |                          |                                |      |                                                                        |
| AVG.    |                  |                          |                                |      |                                                                        |

|         | 3.00#<br>INITIAL | 3.00# AFTER<br>20 CYCLES |  | COMMENTS |
|---------|------------------|--------------------------|--|----------|
| PULL #1 | 3.48             | 3.35                     |  |          |
| PULL #2 | 3.39             | 3.43                     |  |          |
| PULL #3 | 3.35             | 3.35                     |  |          |
| PULL #4 | 3.38             | 3.34                     |  |          |
| PULL #5 | 3.41             | 3.47                     |  |          |
| 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 | 4.25             | 4.20                     |                                | 4.13                                 |
| PULL #2 | 4.24             | 4.20                     |                                | 4.17                                 |
| PULL #3 | 4.25             | 4.23                     |                                | 4.34                                 |
| PULL #4 | 4.21             | 4.25                     |                                | 4.28                                 |
| PULL #5 | 4.28             | 4.21                     |                                | 4.29                                 |
| TOTAL   |                  |                          |                                |                                      |
| AVG.    |                  |                          |                                |                                      |

CENTROIDAL DISTANCE CALCULATIONS  
FOR RIFLE # C6649232  
12 Aug 1991

CENTROIDAL DISTANCES

|        |         |
|--------|---------|
| 0 TO 1 | .226385 |
| 1 TO 2 | .543    |
| 1 TO 3 | .131548 |
| 1 TO 4 | .208598 |
| 1 TO 5 | .773036 |

425  
←----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0484  
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0933  
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .105551  
THE AMR FOR THIS RIFLE IS: .9494

12 AUG 1991

FILE:/PATTERNING/CENTERFIRE\_PATT/C6649232

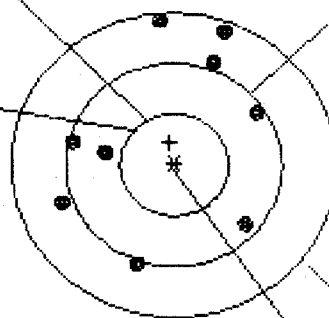
# CENTERFIRE PATTERNS # 1

POA

1in circle

2in circle

3in circle



# OF SHOTS- 10

# IN CIR

1in = 0

2in = 4

3in = 9

HS= 1.838

VS= 4.114

GS= 4.194

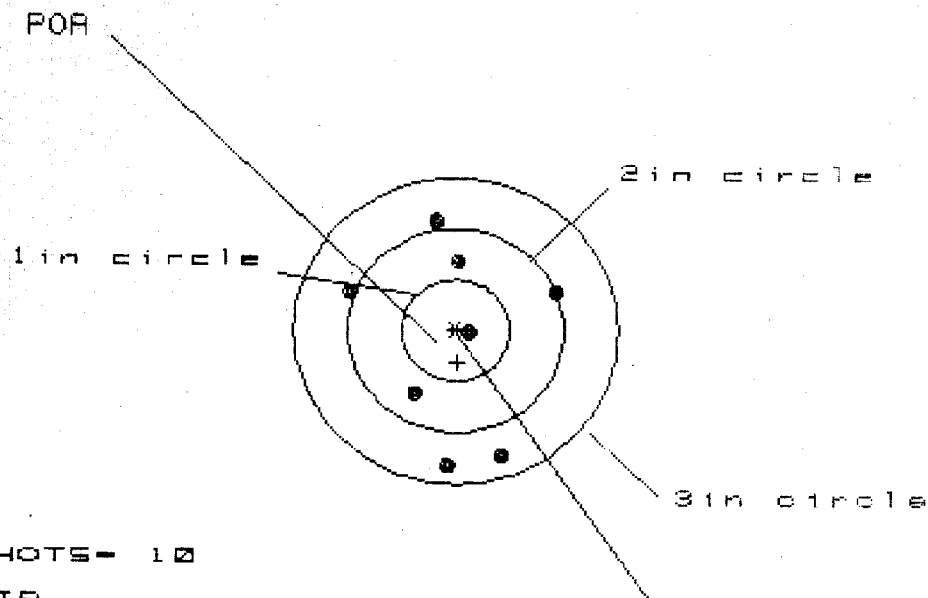
CENTROID \*

| PATTERN #                   | : | 10     | 9      | 8      |
|-----------------------------|---|--------|--------|--------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | .805   | .884   | .881   |
| MINIMUM X                   | : | -1.033 | -.954  | -.957  |
| MAXIMUM Y                   | : | 1.419  | 1.120  | 1.143  |
| MINIMUM Y                   | : | -2.695 | -1.317 | -1.177 |
| CENTROID X                  | : | .039   | -.040  | -.037  |
| CENTROID Y                  | : | -.223  | .076   | -.064  |
| POA TO CENTROID in.         | : | .227   | .086   | .074   |
| MIN RADIUS                  | : | .632   | .554   | .537   |
| MEAN RADIUS                 | : | 1.220  | 1.001  | .981   |
| MAX RADIUS                  | : | 2.787  | 1.339  | 1.248  |
| HORIZONTAL SPREAD           | : | 1.838  | 1.838  | 1.838  |
| VERTICAL SPREAD             | : | 4.114  | 2.437  | 2.320  |
| EXTREME SPREAD              | : | 4.194  | 2.447  | 2.438  |
| NUMBER IN ONE INCH CIRCLE   | = | 0      | 0      | 0      |
| NUMBER IN TWO INCH CIRCLE   | = | 4      | 4      | 4      |
| NUMBER IN THREE INCH CIRCLE | = | 9      | 9      | 9      |

12 Aug 1991

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# CENTERFIRE PATTERNS # 2



# OF SHOTS- 10

# IN CIR

1 in = 2

2 in = 6

3 in = 10

HS= 1.887

VS= 2.397

GS= 2.397

| PATTERN #                     | 10     | 9      | 8     |
|-------------------------------|--------|--------|-------|
| SHOTS (BEST OF)               | 10     | 9      | 8     |
| MAXIMUM X                     | .888   | .878   | .925  |
| MINIMUM X                     | -.999  | -1.009 | -.962 |
| MAXIMUM Y                     | 1.045  | .895   | .726  |
| MINIMUM Y                     | -1.352 | -1.352 | -.958 |
| CENTROID X                    | -.018  | -.008  | -.055 |
| CENTROID Y                    | .317   | .467   | .636  |
| POA TO CENTROID in.           | .318   | .467   | .639  |
| MIN RADIUS                    | .084   | .157   | .331  |
| MEAN RADIUS                   | .801   | .727   | .634  |
| MAX RADIUS                    | 1.355  | 1.403  | 1.003 |
| HORIZONTAL SPREAD             | 1.887  | 1.887  | 1.887 |
| VERTICAL SPREAD               | 2.397  | 2.247  | 1.684 |
| EXTREME SPREAD                | 2.397  | 2.305  | 1.889 |
| NUMBER IN ONE INCH CIRCLE =   | 2      |        |       |
| NUMBER IN TWO INCH CIRCLE =   | 6      |        |       |
| NUMBER IN THREE INCH CIRCLE = | 10     |        |       |

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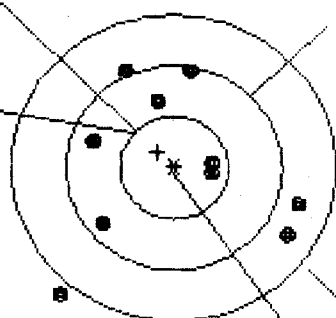
# CENTERFIRE PATTERNS # 3

POA

1in circle

2in circle

3in circle



# OF SHOTS- 10

# IN CIR

1in = 2

2in = 6

3in = 9

HS= 2.245

VS= 2.189

GS= 2.442

CENTROID \*

| PATTERN #                   | : | 10     | 9     | 8     |
|-----------------------------|---|--------|-------|-------|
| SHOTS (BEST OF)             | : | 10     | 9     | 8     |
| MAXIMUM X                   | : | 1.169  | 1.049 | 1.167 |
| MINIMUM X                   | : | -1.076 | -.852 | -.734 |
| MAXIMUM Y                   | : | .990   | .857  | .755  |
| MINIMUM Y                   | : | -1.199 | -.814 | -.801 |
| CENTROID X                  | : | .151   | .271  | .153  |
| CENTROID Y                  | : | -.154  | -.021 | .081  |
| POA TO CENTROID in.         | : | .216   | .272  | .173  |
| MIN RADIUS                  | : | .315   | .192  | .340  |
| MEAN RADIUS                 | : | .912   | .803  | .741  |
| MAX RADIUS                  | : | 1.611  | 1.246 | 1.317 |
| HORIZONTAL SPREAD           | : | 2.245  | 1.901 | 1.901 |
| VERTICAL SPREAD             | : | 2.189  | 1.671 | 1.556 |
| EXTREME SPREAD              | : | 2.442  | 2.242 | 2.104 |
| NUMBER IN ONE INCH CIRCLE   | = | 2      |       |       |
| NUMBER IN TWO INCH CIRCLE   | = | 6      |       |       |
| NUMBER IN THREE INCH CIRCLE | = | 9      |       |       |

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# CENTERFIRE PATTERNS # 4

POA

1in circle

2in circle

3in circle

# OF SHOTS- 10

# IN CIR

1in = 4

2in = 7

3in = 9

HS= 2.559

VS= 1.910

GS= 2.713

CENTROID \*

| PATTERN #                     | 1      | 2     | 3     |
|-------------------------------|--------|-------|-------|
| SHOTS (BEST OF)               | 10     | 9     | 8     |
| MAXIMUM X                     | 1.115  | .955  | .837  |
| MINIMUM X                     | -1.444 | -.940 | -.485 |
| MAXIMUM Y                     | 1.192  | 1.141 | .537  |
| MINIMUM Y                     | -.719  | -.769 | -.627 |
| CENTROID X                    | -.009  | .151  | .269  |
| CENTROID Y                    | -.020  | .030  | -.112 |
| POA TO CENTROID in.           | .022   | .154  | .292  |
| MIN RADIUS                    | .196   | .124  | .204  |
| MEAN RADIUS                   | .755   | .648  | .531  |
| MAX RADIUS                    | 1.514  | 1.479 | .995  |
| HORIZONTAL SPREAD             | 2.559  | 1.895 | 1.322 |
| VERTICAL SPREAD               | 1.910  | 1.910 | 1.164 |
| EXTREME SPREAD                | 2.713  | 2.253 | 1.648 |
| NUMBER IN ONE INCH CIRCLE =   | 4      |       |       |
| NUMBER IN TWO INCH CIRCLE =   | 7      |       |       |
| NUMBER IN THREE INCH CIRCLE = | 9      |       |       |

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# CENTERFIRE PATTERNS # 5

POA

1 in circle

2 in circle

3 in circle

# OF SHOTS- 10

# IN CIR

1 in = 2

2 in = 6

3 in = 8

HS= 3.663

VS= 2.655

GS= 4.322

CENTROID \*

PATTERN #

SHOTS (BEST OF)

MAXIMUM X

MINIMUM X

MAXIMUM Y

MINIMUM Y

CENTROID X

CENTROID Y

POA TO CENTROID

MIN RADIUS

MEAN RADIUS

MAX RADIUS

HORIZONTAL SPREAD

VERTICAL SPREAD

EXTREME SPREAD

NUMBER IN ONE INCH CIRCLE

NUMBER IN TWO INCH CIRCLE

NUMBER IN THREE INCH CIRCLE

10

9

8

1.625

.847

.615

-2.038

-1.857

-.967

1.772

1.312

1.272

-.883

-.686

-.726

.079

-.102

.130

.549

.352

.392

.555

.366

.414

.301

.127

.178

1.059

.884

.711

2.405

1.885

1.288

3.663

2.704

1.582

2.655

1.998

1.998

4.322

2.819

2.268

2

6

8