

C6587629

MODEL 700<sup>TM</sup> M24

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

Action

Barrel Length

Capacity

Order No. **5716**

\*Includes 1 in chamber.



**Remington**



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

**MODEL 700™ H24**

**SERIAL NO.**  
**C6587629**

20

**ORDER NO.**  
**5716**

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



5716 C6587629

**UPC**



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6587629

| OP. #        | OP. NAME                                                       | READINGS | DATE     | INIT      |
|--------------|----------------------------------------------------------------|----------|----------|-----------|
| 575 &<br>580 | Assemble Action<br>and Stock                                   | 1019     | 90       | RW        |
| 600          | Proof                                                          | 1019     | 90       | RW        |
| 607          | Check Headspace                                                | 1019     | 90       | RW        |
| 610          | Dis-assemble Gun                                               | 1019     | 90       | RW        |
| 612          | Magnaflux Barrel<br>Action                                     |          | 10/23/90 | KR        |
|              | Magnaflux Bolt                                                 |          | 10/23/90 | KR        |
| 615          | Rollmark Caliber                                               |          | 10/23/90 | B.S.      |
| 617          | Drill and Tap Sight Holes                                      |          | 10/26/90 | FB        |
| 618          | Polish Barrel <i>WLB</i>                                       |          | 10/29/90 | WLB       |
| 620          | Apply Coatings<br>(Barrel Action)                              |          | 11-7-90  | <i>TH</i> |
|              | Apply Coating (Bolt)                                           |          |          |           |
| 625          | Final Assembly<br>A) Clean inside of<br>Bolt Assembly          |          | 11/12/90 | RW        |
|              | B) Inspect Rear Firing<br>Pin Hole for Chamfer<br>in Bolt Head |          | 11/12/90 | RW        |
|              | C) Inspect Ejector Hole<br>for Chamfer                         |          | 11/12/90 | RW        |
|              | D) Oil Firing Pin Ass'y                                        |          | 11/12/90 | RW        |
|              | E) Adjust Trigger Pull to<br>Min Setting and Stake             |          | 11/29/90 | <i>TH</i> |

| op. #        | OP. NAME                                                    | READINGS                |      |             | DATE     | INIT |
|--------------|-------------------------------------------------------------|-------------------------|------|-------------|----------|------|
| 625<br>cont. | F) Safety On Force                                          | 3.75                    | 3.50 | 3.75        | 11/29/90 | RL   |
|              | G) Safety Off Force                                         | 2.25<br><del>2.25</del> | 2.50 | 2.25        | 11/29/90 | RL   |
|              | H) Trigger Pull Test & Retainability                        |                         |      |             | 11/29/90 | RL   |
|              | I) Firing Pin Indent                                        | .023                    | .022 | .022        | 11/29-90 | RL   |
|              | J) Assemble Stock                                           |                         |      |             | 12/4/90  | RL   |
|              | K) Assemble Swivel Studs                                    |                         |      |             | 12-4-90  | RL   |
|              | L) Attach Front and Rear Sight Assemblies                   |                         |      |             | 12/4/90  | RL   |
|              | M) Iron Sight Alignment                                     |                         |      |             | 12/4/90  | RL   |
|              | N) Detach Front & Rear Sights & place in numbered container |                         |      |             | 12/4/90  | RL   |
|              | O) Attach Scope to Rifle                                    |                         |      |             | 12/4/90  | RL   |
|              | P) Detach & Attach Scope 20 Times                           |                         |      |             | 12/4/90  | RL   |
| 640          | Gallery Target & Test                                       |                         |      |             | 12-5-90  | DH   |
|              | A) Time                                                     |                         |      |             | 12-5-90  | DH   |
|              | B) Malfunctions                                             |                         |      |             | 12-5-90  | DH   |
|              | C) Pierced Primers                                          |                         |      |             | 12-5-90  | DH   |
|              | D) Optical Clarity of Scope                                 |                         |      |             | 12-5-90  | DH   |
| 645          | Inspect for Live Ammo                                       |                         |      |             | 12-5-90  | DH   |
| 655          | Final Inspection                                            |                         |      |             |          |      |
|              | A) Headspace                                                |                         |      |             | 12-6-90  | RL   |
|              | B) Trigger Pull                                             | 294                     | 289  | 226 229 220 | 12-6-90  | RL   |
|              | C) Function                                                 |                         |      |             | 12-6-90  | RL   |
| 660          | Pack                                                        |                         |      |             | 12/19/90 | RL   |

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN  
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6587629

DATE 11-29-98

TESTER JY

|         | 2.50#<br>INITIAL | 2.50# AFTER<br>50 CYCLES | FINAL TEST &<br>TO RESET 2.50# |      | COMMENTS                                                               |
|---------|------------------|--------------------------|--------------------------------|------|------------------------------------------------------------------------|
| PULL #1 | 2.37             | 2.37                     | 2.23                           | 2.94 | MIN. SETTING,<br>NO AVG. OF 5<br>READINGS ACCEPT-<br>ABLE LESS THAN 2# |
| PULL #2 | 2.21             | 2.42                     | 2.30                           | 2.89 |                                                                        |
| PULL #3 | 2.21             | 2.28                     | 2.13                           | 2.26 |                                                                        |
| PULL #4 | 2.20             | 2.30                     | 2.38                           | 2.29 |                                                                        |
| PULL #5 | 2.43             | 2.37                     | 2.28                           | 2.20 |                                                                        |
| TOTAL   |                  |                          |                                |      |                                                                        |
| AVG.    |                  |                          |                                |      |                                                                        |

|         | 3.00#<br>INITIAL | 3.00# AFTER<br>20 CYCLES |  | COMMENTS |
|---------|------------------|--------------------------|--|----------|
| PULL #1 | 3.50             | 3.17                     |  |          |
| PULL #2 | 3.50             | 3.13                     |  |          |
| PULL #3 | 3.49             | 3.40                     |  |          |
| PULL #4 | 3.48             | 3.25                     |  |          |
| PULL #5 | 3.45             | 3.34                     |  |          |
| 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 | 4.40             | 4.35                     |                                | 4.28                                 |
| PULL #2 | 4.38             | 4.33                     |                                | 4.34                                 |
| PULL #3 | 4.35             | 4.32                     |                                | 4.38                                 |
| PULL #4 | 4.21             | 4.12                     |                                | 4.15                                 |
| PULL #5 | 4.32             | 4.29                     |                                | 4.27                                 |
| TOTAL   |                  |                          |                                |                                      |
| AVG.    |                  |                          |                                |                                      |

CENTROIDAL DISTANCE CALCULATIONS  
FOR RIFLE # C6587629  
5 Dec 1990

CENTROIDAL DISTANCES

|        |         |
|--------|---------|
| 0 TO 1 | .288045 |
| 1 TO 2 | .234472 |
| 1 TO 3 | .515909 |
| 1 TO 4 | .333736 |
| 1 TO 5 | .435488 |

-----POA

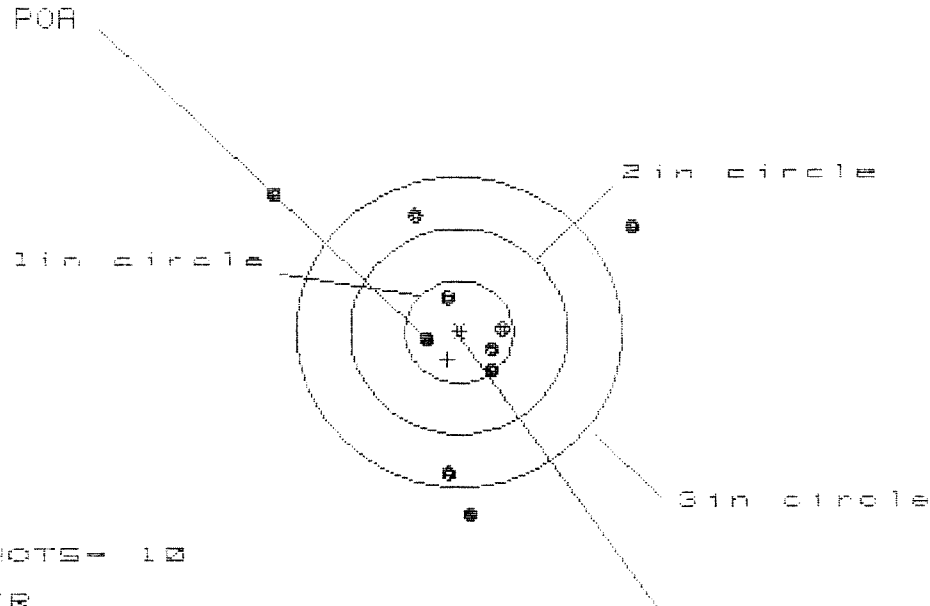
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0626  
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0136  
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0640603  
THE AMR FOR THIS RIFLE IS: .9652

5 Dec 1990

FILE:/PATTERNING/CENTERFIRE\_PATT/06587829

# CENTERFIRE PATTERNS

# 1



# OF SHOTS - 10

# IN CIR

1 in = 4

2 in = 5

3 in = 7

HS = 3.214

VS = 3.084

ES = 3.585

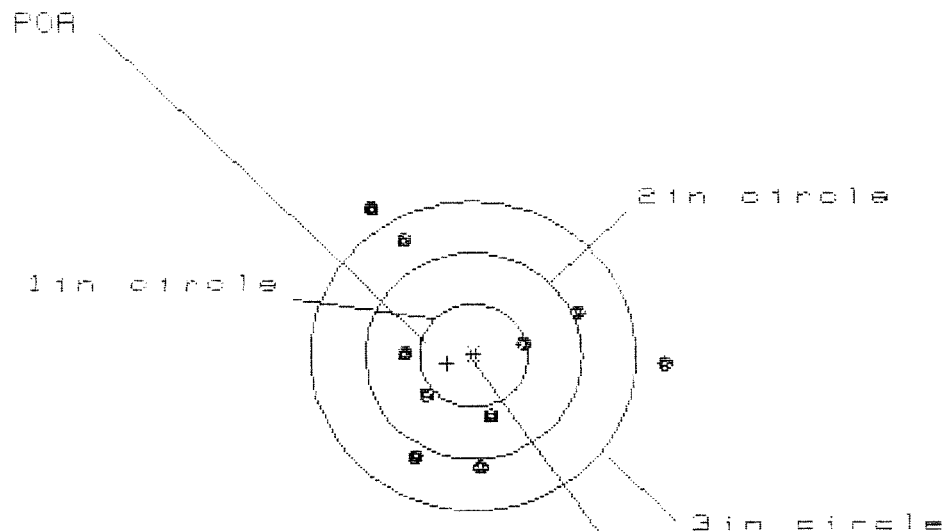
CENTROID #

| PATTERN #                   | : | 1      | 2      | 3      |
|-----------------------------|---|--------|--------|--------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | 1.563  | 1.368  | .324   |
| MINIMUM X                   | : | -1.751 | -.581  | -.410  |
| MAXIMUM Y                   | : | 1.290  | 1.319  | 1.466  |
| MINIMUM Y                   | : | -1.793 | -1.650 | -1.503 |
| CENTROID X                  | : | .103   | .298   | .127   |
| CENTROID Y                  | : | .269   | .125   | -.022  |
| POB TO CENTROID in.         | : | .288   | .323   | .128   |
| MIN RADIUS                  | : | .275   | .126   | .297   |
| MEAN RADIUS                 | : | 1.037  | .875   | .777   |
| MAX RADIUS                  | : | 2.175  | 1.802  | 1.522  |
| HORIZONTAL SPREAD           | : | 3.314  | 1.949  | .734   |
| VERTICAL SPREAD             | : | 3.084  | 2.969  | 2.969  |
| EXTREME SPREAD              | : | 3.585  | 3.190  | 3.085  |
| NUMBER IN ONE INCH CIRCLE   | = |        | 4      |        |
| NUMBER IN TWO INCH CIRCLE   | = |        | 5      |        |
| NUMBER IN THREE INCH CIRCLE | = |        | 7      |        |

5 Dec 1988

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# CENTERFIRE PATTERNS # 2



# OF SHOTS- 10

# IN CIR

1in = 1

2in = 4

3in = 8

HS= 2.703

VS= 2.541

GS= 3.094

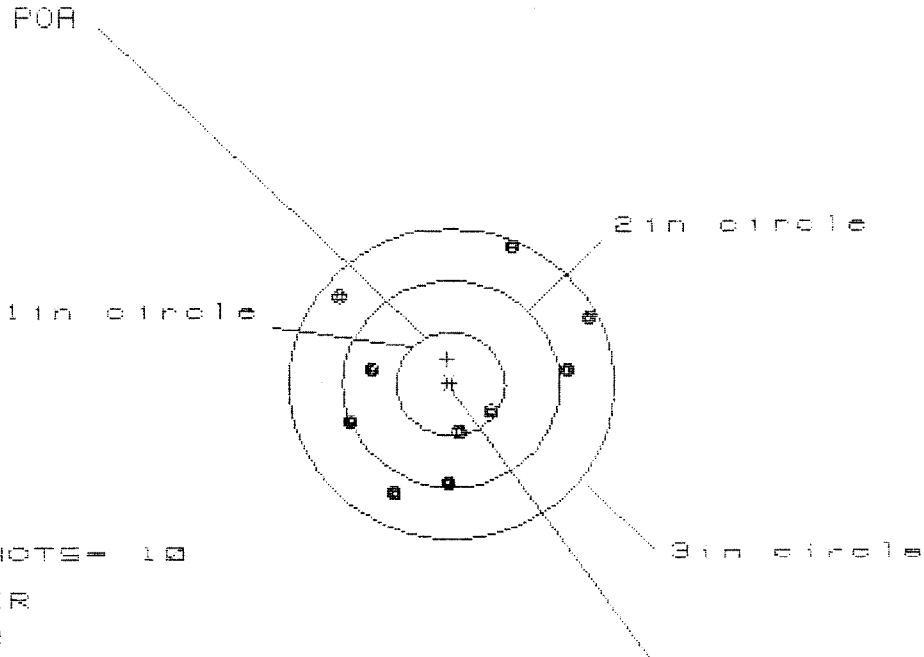
CENTROID \*

| PATTERN #                   | : | 2      |        |       |
|-----------------------------|---|--------|--------|-------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8     |
| MAXIMUM X                   | : | 1.724  | 1.115  | 1.017 |
| MINIMUM X                   | : | -.979  | -.787  | -.575 |
| MAXIMUM Y                   | : | 1.419  | 1.410  | 1.288 |
| MINIMUM Y                   | : | -1.122 | -1.131 | -.955 |
| CENTROID X                  | : | .239   | .047   | .145  |
| CENTROID Y                  | : | .078   | .087   | -.089 |
| POA TO CENTROID in.         | : | .251   | .099   | .170  |
| MIN RADIUS                  | : | .481   | .418   | .432  |
| MEAN RADIUS                 | : | 1.027  | .935   | .817  |
| MAX RADIUS                  | : | 1.727  | 1.614  | 1.411 |
| HORIZONTAL SPREAD           | : | 2.703  | 1.902  | 1.592 |
| VERTICAL SPREAD             | : | 2.541  | 2.541  | 2.243 |
| EXTREME SPREAD              | : | 3.094  | 2.729  | 2.345 |
| NUMBER IN ONE INCH CIRCLE   | = |        | 1      |       |
| NUMBER IN TWO INCH CIRCLE   | = |        | 4      |       |
| NUMBER IN THREE INCH CIRCLE | = |        | 8      |       |

5 Dec 1999

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# CENTERFIRE PATTERNS # 3



# OF SHOTS = 10

# IN CIR

1in = 2

2in = 5

3in = 10

HS = 2.254

VS = 2.395

GS = 2.604

|                             |   |        |       |       |
|-----------------------------|---|--------|-------|-------|
| PATTERN #                   | : | 3      |       |       |
| SHOTS (BEST OF)             | : | 10     | 9     | 8     |
| MAXIMUM X                   | : | 1.251  | 1.310 | 1.263 |
| MINIMUM X                   | : | -1.003 | -.944 | -.780 |
| MAXIMUM Y                   | : | 1.334  | .960  | 1.063 |
| MINIMUM Y                   | : | -1.061 | -.913 | -.810 |
| CENTROID X                  | : | .032   | -.027 | -.191 |
| CENTROID Y                  | : | -.242  | -.390 | -.493 |
| POA TO CENTROID in.         | : | .244   | .391  | .528  |
| MIN RADIUS                  | : | .433   | .346  | .376  |
| MEAN RADIUS                 | : | 1.000  | .920  | .819  |
| MAX RADIUS                  | : | 1.435  | 1.545 | 1.319 |
| HORIZONTAL SPREAD           | : | 2.254  | 2.254 | 2.043 |
| VERTICAL SPREAD             | : | 2.395  | 1.873 | 1.873 |
| EXTREME SPREAD              | : | 2.604  | 2.459 | 2.156 |
| NUMBER IN ONE INCH CIRCLE   | = |        | 2     |       |
| NUMBER IN TWO INCH CIRCLE   | = |        | 5     |       |
| NUMBER IN THREE INCH CIRCLE | = |        | 10    |       |

5 Dec 1998

FILE:/PATTERNING/CENTERFIRE\_PATT/06587629

# CENTERFIRE PATTERNS # 4

POA

1in circle

2in circle

3in circle

# OF SHOTS= 10

# IN CIR

1in = 4

2in = 6

3in = 8

HS= 2.261

VS= 2.861

GS= 2.964

CENTROID #

PATTERN #

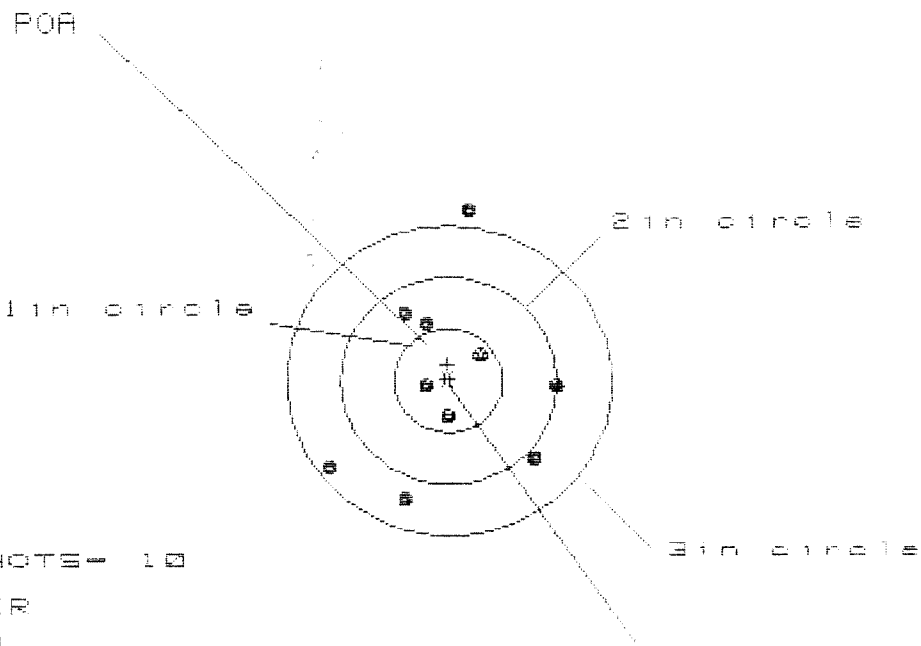
4

|                             |   |        |       |       |
|-----------------------------|---|--------|-------|-------|
| SHOTS (BEST OF)             | : | 10     | 9     | 8     |
| MAXIMUM X                   | : | 1.374  | 1.376 | 1.021 |
| MINIMUM X                   | : | -.886  | -.885 | -.713 |
| MAXIMUM Y                   | : | 1.245  | 1.065 | 1.138 |
| MINIMUM Y                   | : | -1.616 | -.823 | -.750 |
| CENTROID X                  | : | -.069  | -.071 | -.243 |
| CENTROID Y                  | : | -.017  | .163  | .090  |
| POA TO CENTROID in.         | : | .071   | .178  | .259  |
| MIN RADIUS                  | : | .181   | .176  | .190  |
| MEAN RADIUS                 | : | .894   | .827  | .725  |
| MAX RADIUS                  | : | 1.616  | 1.495 | 1.280 |
| HORIZONTAL SPREAD           | : | 2.261  | 2.261 | 1.734 |
| VERTICAL SPREAD             | : | 2.861  | 1.888 | 1.888 |
| EXTREME SPREAD              | : | 2.964  | 2.536 | 2.058 |
| NUMBER IN ONE INCH CIRCLE   | = |        | 4     |       |
| NUMBER IN TWO INCH CIRCLE   | = |        | 6     |       |
| NUMBER IN THREE INCH CIRCLE | = |        | 8     |       |

5 Dec 1998

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# CENTERFIRE PATTERNS # 5



# OF SHOTS- 10

# IN CIR

1in = 3

2in = 6

3in = 9

HS= 2.133

VS= 2.748

CS= 2.830

CENTROID #

|                             |   |        |        |       |
|-----------------------------|---|--------|--------|-------|
| PATTERN #                   | : | 5      |        |       |
| SHOTS (BEST OF)             | : | 10     | 9      | 8     |
| MAXIMUM X                   | : | .999   | 1.025  | .886  |
| MINIMUM X                   | : | -1.134 | -1.108 | -.540 |
| MAXIMUM Y                   | : | 1.653  | .814   | .734  |
| MINIMUM Y                   | : | -1.095 | -.912  | -.992 |
| CENTROID X                  | : | .008   | -.018  | .121  |
| CENTROID Y                  | : | -.156  | -.339  | -.259 |
| POA TO CENTROID in.         | : | .156   | .340   | .286  |
| MIN RADIUS                  | : | .179   | .165   | .279  |
| MEAN RADIUS                 | : | .868   | .770   | .703  |
| MAX RADIUS                  | : | 1.669  | 1.281  | 1.129 |
| HORIZONTAL SPREAD           | : | 2.133  | 2.133  | 1.426 |
| VERTICAL SPREAD             | : | 2.748  | 1.726  | 1.726 |
| EXTREME SPREAD              | : | 2.830  | 2.278  | 1.842 |
| NUMBER IN ONE INCH CIRCLE   | = |        | 3      |       |
| NUMBER IN TWO INCH CIRCLE   | = |        | 6      |       |
| NUMBER IN THREE INCH CIRCLE | = |        | 9      |       |