

C6611696

MODEL 700<sup>TM</sup> M24

Model S&S TM

Action \_\_\_\_\_

Barrel Length \_\_\_\_\_

Capacity \_\_\_\_\_

Order No. 5715

\*Includes 1 in chamber.

*Remington*



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

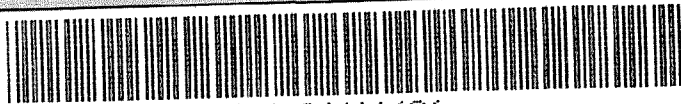
**SERIAL NO.**  
C6611696

**ORDER NO.**  
5716

MODEL 700<sup>TM</sup> H24

46

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



5716 C6611696

UPC



0 47700 25716 2

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6611696

| OP. #        | OP. NAME                                                       | READINGS | DATE    | INIT |
|--------------|----------------------------------------------------------------|----------|---------|------|
| 575 &<br>580 | Assemble Action<br>and Stock                                   | 3 28     | 91      | RW   |
| 600          | Proof                                                          | 3 28     | 91      | RW   |
| 607          | Check Headspace                                                | 3 28     | 91      | RW   |
| 610          | Dis-assemble Gun                                               | 3 28     | 91      | RW   |
| 612          | Magnaflux Barrel<br>Action                                     | APR      | 2 1991  | KR   |
|              | Magnaflux Bolt                                                 | APR      | 2 1991  | U    |
| 615          | Rollmark Caliber                                               | APR      | 2 1991  | JS   |
| 617          | Drill and Tap Sight Holes                                      | APR      | 5 1991  | FB   |
| 618          | Polish Barrel                                                  | APR      | 5 1991  | WB   |
| 620          | Apply Coatings<br>(Barrel Action)                              |          |         |      |
|              | Apply Coating (Bolt)                                           |          |         |      |
| 625          | Final Assembly<br>A) Clean inside of<br>Bolt Assembly          |          | 4/10/91 | RW   |
|              | B) Inspect Rear Firing<br>Pin Hole for Chamfer<br>in Bolt Head |          | 4/10/91 | RW   |
|              | C) Inspect Ejector Hole<br>for Chamfer                         |          | 4/10/91 | RW   |
|              | D) Oil Firing Pin Ass'y                                        |          | 4/10/91 | RW   |
|              | E) Adjust Trigger Pull to<br>Min Setting and Stake             |          | 4/22/91 | JS   |

| op. #        | OP. NAME                                                    | READINGS |      |      |      |      | DATE    | INIT |
|--------------|-------------------------------------------------------------|----------|------|------|------|------|---------|------|
| 625<br>cont. | F) Safety On Force                                          | 6        | 6    | 6    |      |      | 4-22-91 | DH   |
|              | G) Safety Off Force                                         | 3        | 3    | 3    |      |      | 4-22-91 | DH   |
|              | H) Trigger Pull Test & Retainability                        |          |      |      |      |      | 4/22/91 | SL   |
|              | I) Firing Pin Indent                                        | .021     | .022 | .023 |      |      | 4-22-91 | DH   |
|              | J) Assemble Stock                                           |          |      |      |      |      | 4/25/91 | RW   |
|              | K) Assemble Swivel Studs                                    |          |      |      |      |      | 4-30-91 | D/H  |
|              | L) Attach Front and Rear Sight Assemblies                   |          |      |      |      |      | 4/25/91 | RW   |
|              | M) Iron Sight Alignment                                     |          |      |      |      |      | 4/25/91 | RW   |
|              | N) Detach Front & Rear Sights & place in numbered container |          |      |      |      |      | 4/25/91 | RW   |
|              | O) Attach Scope to Rifle                                    |          |      |      |      |      | 4/25/91 | RW   |
|              | P) Detach & Attach Scope 20 Times                           |          |      |      |      |      | 4/25/91 | RW   |
| 640          | Gallery Target & Test                                       |          |      |      |      |      | 4-25-91 | NF   |
|              | A) Time                                                     |          |      |      |      |      | "       | NF   |
|              | B) Malfunctions                                             |          |      |      |      |      | "       | NF   |
|              | C) Pierced Primers                                          |          |      |      |      |      | "       | NF   |
|              | D) Optical Clarity of Scope                                 |          |      |      |      |      | "       | NF   |
| 645          | Inspect for Live Ammo                                       |          |      |      |      |      | 4-25-91 | NF   |
| 655          | Final Inspection                                            |          |      |      |      |      |         |      |
|              | A) Headspace                                                |          |      |      |      |      | 4-30-91 | D/H  |
|              | B) Trigger Pull                                             | 2.37     | 2.40 | 2.38 | 2.38 | 2.39 | 4/26/91 | SL   |
|              | C) Function                                                 |          |      |      |      |      | 4-30-91 | DH   |
| 660          | Pack                                                        |          |      |      |      |      | 6-18-91 | NF   |

AVERAGE PULL FORCE BETWEEN  
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C-6611896

DATE 4/22/91

TESTER JLH

|         | 2.50#<br>INITIAL | 2.50# AFTER<br>50 CYCLES | FINAL TEST &<br>TO RESET 2.50# |      | COMMENTS                                                               |
|---------|------------------|--------------------------|--------------------------------|------|------------------------------------------------------------------------|
| PULL #1 | 2.41             | 2.45                     | 2.40                           | 2.37 | MIN. SETTING,<br>NO AVG. OF 5<br>READINGS ACCEPT-<br>ABLE LESS THAN 2# |
| PULL #2 | 2.38             | 2.43                     | 2.46                           | 2.40 |                                                                        |
| PULL #3 | 2.38             | 2.40                     | 2.40                           | 2.38 |                                                                        |
| PULL #4 | 2.39             | 2.41                     | 2.43                           | 2.38 |                                                                        |
| PULL #5 | 2.41             | 2.41                     | 2.44                           | 2.39 |                                                                        |
| TOTAL   |                  |                          |                                |      |                                                                        |
| AVG.    |                  |                          |                                |      |                                                                        |

|         | 3.00#<br>INITIAL | 3.00# AFTER<br>20 CYCLES |  | COMMENTS |
|---------|------------------|--------------------------|--|----------|
| PULL #1 | 3.47             | 3.46                     |  |          |
| PULL #2 | 3.19             | 3.42                     |  |          |
| PULL #3 | 3.39             | 3.43                     |  |          |
| PULL #4 | 3.44             | 3.42                     |  |          |
| PULL #5 | 3.37             | 3.38                     |  |          |
| 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 | 4.42             | 4.40                     |                                | 4.18                                 |
| PULL #2 | 4.54             | 4.46                     |                                | 4.50                                 |
| PULL #3 | 4.48             | 4.58                     |                                | 4.50                                 |
| PULL #4 | 4.49             | 4.59                     |                                | 4.58                                 |
| PULL #5 | 4.51             | 4.37                     |                                | 4.55                                 |
| TOTAL   |                  |                          |                                |                                      |
| AVG.    |                  |                          |                                |                                      |

CENTROIDAL DISTANCE CALCULATIONS  
FOR RIFLE # C6611696  
25 Apr 1991

CENTROIDAL DISTANCES

|      |   |          |
|------|---|----------|
| 0 TO | 1 | .166331  |
| 1 TO | 2 | .314057  |
| 1 TO | 3 | .0734983 |
| 1 TO | 4 | .346446  |
| 1 TO | 5 | .11609   |

<sup>4</sup>  
SC

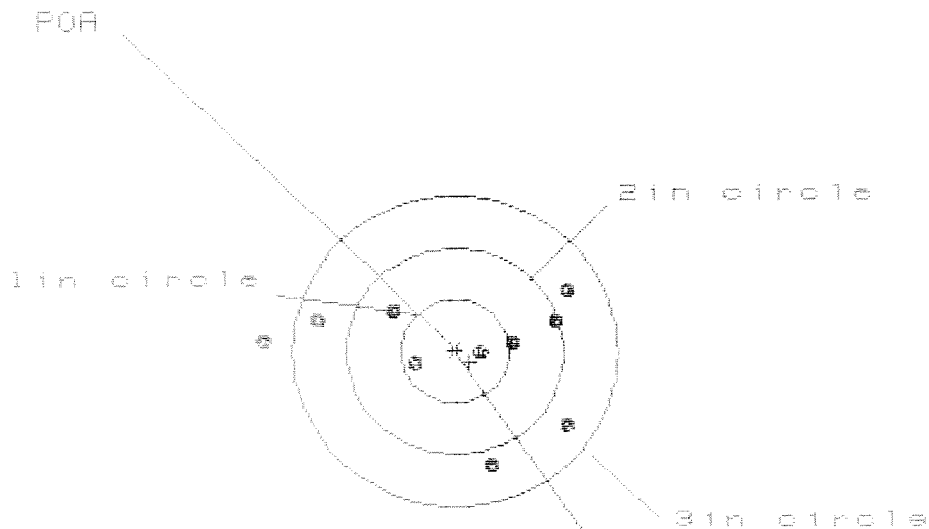
<----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0119  
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1634  
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .163826  
THE AMR FOR THIS RIFLE IS: .7328

25 Apr 1991

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## CENTERFIRE PATTERNS # 1



# OF SHOTS = 10

# IN CIR

1in = 2

2in = 5

3in = 9

HS = 2.764

VS = 1.670

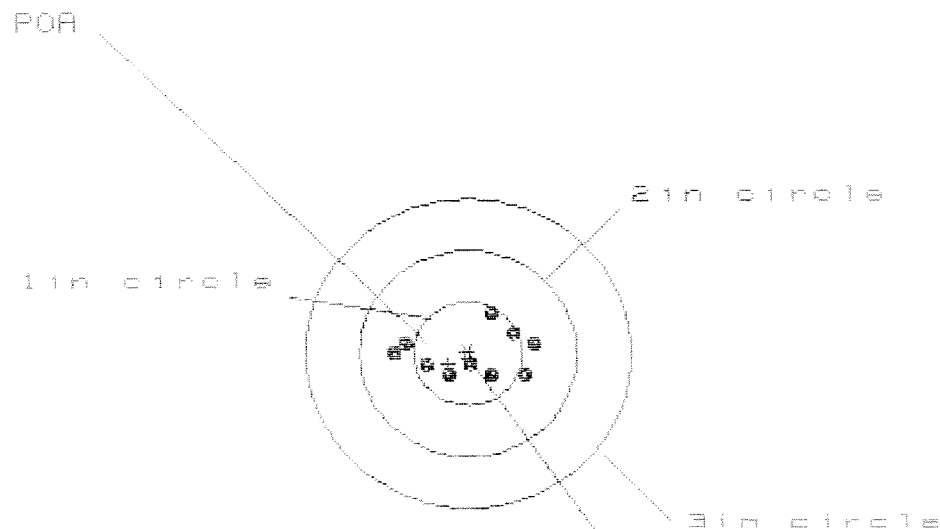
GS = 2.877

| PATTERN #                     | 1      | 2      | 3      |
|-------------------------------|--------|--------|--------|
| SHOTS (BEST OF)               | 10     | 9      | 8      |
| MAXIMUM X                     | 1.015  | .820   | .633   |
| MINIMUM X                     | -1.749 | -1.498 | -.931  |
| MAXIMUM Y                     | .603   | .618   | .663   |
| MINIMUM Y                     | -1.067 | -1.052 | -1.007 |
| CENTROID X                    | -.129  | .066   | .253   |
| CENTROID Y                    | .105   | .090   | .045   |
| POA TO CENTROID in.           | .166   | .111   | .257   |
| MIN RADIUS                    | .265   | .078   | .141   |
| MEAN RADIUS                   | .942   | .811   | .698   |
| MAX RADIUS                    | 1.755  | 1.540  | 1.025  |
| HORIZONTAL SPREAD             | 2.764  | 2.318  | 1.564  |
| VERTICAL SPREAD               | 1.670  | 1.670  | 1.670  |
| EXTREME SPREAD                | 2.877  | 2.528  | 1.875  |
| NUMBER IN ONE INCH CIRCLE =   | 2      |        |        |
| NUMBER IN TWO INCH CIRCLE =   | 5      |        |        |
| NUMBER IN THREE INCH CIRCLE = | 9      |        |        |

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## CENTERFIRE PATTERNS # 2



# OF SHOTS= 10

# IN CIR

1 in = 6

2 in = 10

3 in = 10

HS= 1.321

VS= .595

GS= 1.322

CENTROID #

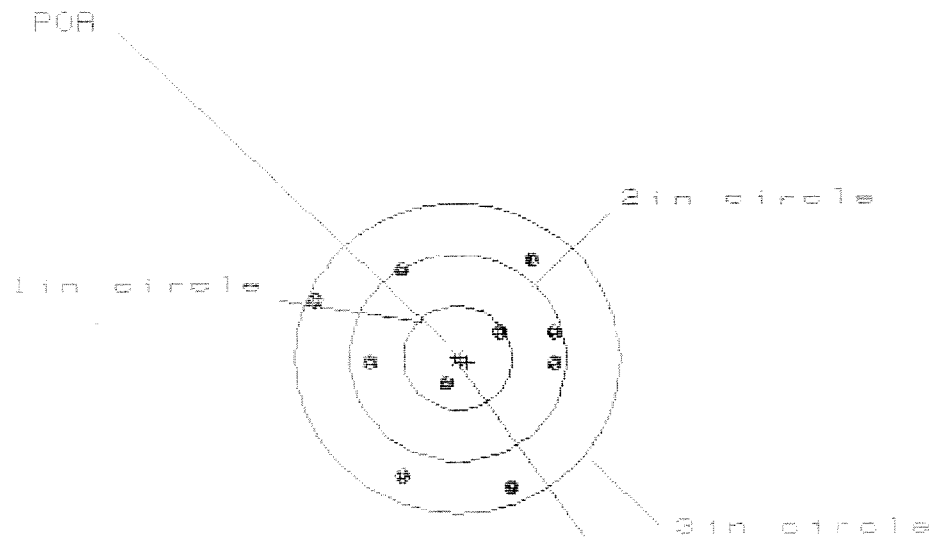
| PATTERN #                   | : | 2     |       |       |
|-----------------------------|---|-------|-------|-------|
| SHOTS (BEST OF)             | : | 10    | 9     | 8     |
| MAXIMUM X                   | : | .614  | .536  | .450  |
| MINIMUM X                   | : | -.707 | -.685 | -.597 |
| MAXIMUM Y                   | : | .376  | .378  | .396  |
| MINIMUM Y                   | : | -.219 | -.217 | -.199 |
| CENTROID X                  | : | .185  | .263  | .349  |
| CENTROID Y                  | : | .099  | .097  | .079  |
| POA TO CENTROID in.         | : | .210  | .281  | .358  |
| MIN RADIUS                  | : | .110  | .124  | .158  |
| MEAN RADIUS                 | : | .454  | .418  | .371  |
| MAX RADIUS                  | : | .707  | .701  | .610  |
| HORIZONTAL SPREAD           | : | 1.321 | 1.221 | 1.047 |
| VERTICAL SPREAD             | : | .595  | .595  | .595  |
| EXTREME SPREAD              | : | 1.322 | 1.223 | 1.069 |
| NUMBER IN ONE INCH CIRCLE   | = |       | 6     |       |
| NUMBER IN TWO INCH CIRCLE   | = |       | 10    |       |
| NUMBER IN THREE INCH CIRCLE | = |       | 10    |       |



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## CENTERFIRE PATTERNS # 3



# OF SHOTS= 10

# IN CIR

1in = 2

2in = 6

3in = 10

HS= 2.270

VS= 2.270

GS= 2.584

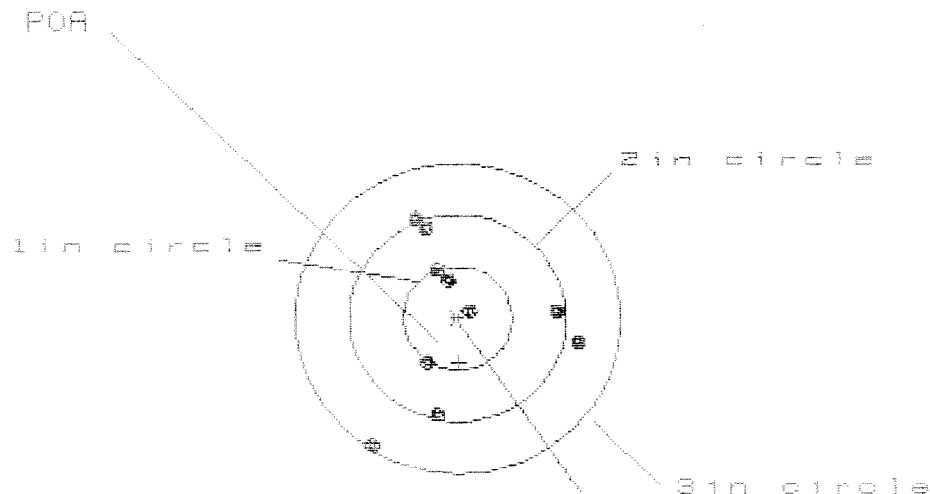
CENTROID \*

| PATTERN #                   | : | 3      |        |        |
|-----------------------------|---|--------|--------|--------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | .921   | .771   | .813   |
| MINIMUM X                   | : | -1.349 | -.992  | -.951  |
| MAXIMUM Y                   | : | .978   | 1.037  | .883   |
| MINIMUM Y                   | : | -1.292 | -1.233 | -1.266 |
| CENTROID X                  | : | -.088  | .062   | .020   |
| CENTROID Y                  | : | .044   | -.015  | .139   |
| POA TO CENTROID in.         | : | .098   | .064   | .141   |
| MIN RADIUS                  | : | .287   | .355   | .295   |
| MEAN RADIUS                 | : | .965   | .898   | .837   |
| MAX RADIUS                  | : | 1.449  | 1.278  | 1.393  |
| HORIZONTAL SPREAD           | : | 2.270  | 1.763  | 1.763  |
| VERTICAL SPREAD             | : | 2.270  | 2.270  | 2.149  |
| EXTREME SPREAD              | : | 2.584  | 2.441  | 2.441  |
| NUMBER IN ONE INCH CIRCLE   | = |        | 2      |        |
| NUMBER IN TWO INCH CIRCLE   | = |        | 6      |        |
| NUMBER IN THREE INCH CIRCLE | = |        | 10     |        |

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## CENTERFIRE PATTERNS # 4



# OF SHOTS= 10

# IN CIR

1 in = 4

2 in = 7

3 in = 10

HS= 1.937

VS= 2.131

GS= 2.173

CENTROID #

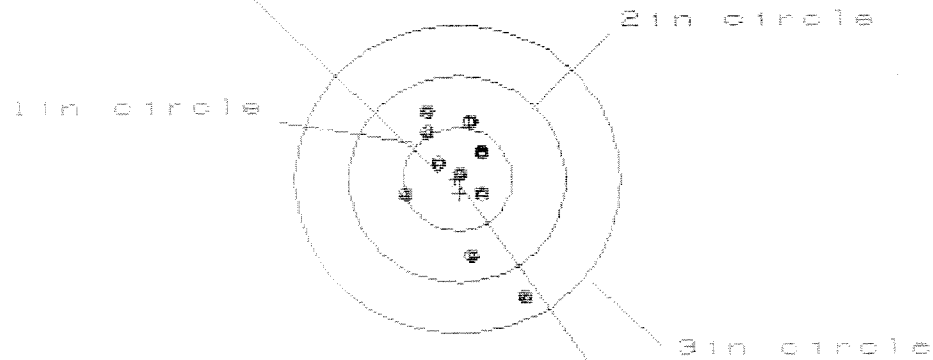
| PATTERN #                     | 4      | 9      | 8      |
|-------------------------------|--------|--------|--------|
| SHOTS (BEST OF)               | 10     | 9      | 8      |
| MAXIMUM X                     | 1.150  | 1.062  | .997   |
| MINIMUM X                     | -.787  | -.450  | -.317  |
| MAXIMUM Y                     | .934   | .801   | .757   |
| MINIMUM Y                     | -1.197 | -1.028 | -1.073 |
| CENTROID X                    | -.009  | .079   | -.054  |
| CENTROID Y                    | .430   | .563   | .608   |
| POA TO CENTROID in.           | .430   | .568   | .610   |
| MIN RADIUS                    | .098   | .078   | .152   |
| MEAN RADIUS                   | .779   | .686   | .610   |
| MAX RADIUS                    | 1.433  | 1.121  | 1.089  |
| HORIZONTAL SPREAD             | 1.937  | 1.512  | 1.314  |
| VERTICAL SPREAD               | 2.131  | 1.829  | 1.829  |
| EXTREME SPREAD                | 2.173  | 1.904  | 1.834  |
| NUMBER IN ONE INCH CIRCLE =   | 4      |        |        |
| NUMBER IN TWO INCH CIRCLE =   | 7      |        |        |
| NUMBER IN THREE INCH CIRCLE = | 10     |        |        |

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## CENTERFIRE PATTERNS # 5

POR



# OF SHOTS= 10

# IN CIR

1in = 5

2in = 9

3in = 10

HS= 1.056

VS= 1.833

GS= 2.036

CENTROID #

| PATTERN #                     | 5      | 5     | 5     |
|-------------------------------|--------|-------|-------|
| SHOTS (BEST OF)               | 10     | 9     | 8     |
| MAXIMUM X                     | .613   | .257  | .231  |
| MINIMUM X                     | -.443  | -.375 | -.401 |
| MAXIMUM Y                     | .693   | .567  | .488  |
| MINIMUM Y                     | -1.140 | -.858 | -.788 |
| CENTROID X                    | -.018  | -.086 | -.060 |
| CENTROID Y                    | .139   | .265  | .195  |
| POR TO CENTROID in.           | .140   | .279  | .204  |
| MIN RADIUS                    | .103   | .121  | .097  |
| MEAN RADIUS                   | .524   | .411  | .389  |
| MAX RADIUS                    | 1.294  | .878  | .803  |
| HORIZONTAL SPREAD             | 1.056  | .632  | .632  |
| VERTICAL SPREAD               | 1.833  | 1.425 | 1.276 |
| EXTREME SPREAD                | 2.036  | 1.477 | 1.277 |
| NUMBER IN ONE INCH CIRCLE =   |        | 5     |       |
| NUMBER IN TWO INCH CIRCLE =   |        | 9     |       |
| NUMBER IN THREE INCH CIRCLE = |        | 10    |       |