

C6523461

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

\*Includes 1 in chamber.



**Remington**<sup>®</sup>

  
REG. U.S. PAT. & TM. OFF.

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

|                                                                                                         |                                 |
|---------------------------------------------------------------------------------------------------------|---------------------------------|
| <b>MODEL 700<sup>TM</sup> M24</b>                                                                       | <b>SERIAL NO.</b><br>C6523461   |
| <small>MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat &amp; Tm. Off, Marca Registrada Marque Deposee.</small> | <b>ORDER NO.</b><br><b>5716</b> |

01

  
5716 C6523461

UPC

  
0 47700 25716 7

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6523461

| OP. #        | OP. NAME                                                       | READINGS | DATE     | INIT |
|--------------|----------------------------------------------------------------|----------|----------|------|
| 575 &<br>580 | Assemble Action<br>and Stock                                   | 10 9     | 90       | RW   |
| 600          | Proof                                                          | 10 9     | 90       | RW   |
| 607          | Check Headspace                                                | 10 9     | 90       | RW   |
| 610          | Dis-assemble Gun                                               | 10 9     | 90       | RW   |
| 612          | Magnaflux Barrel<br>Action                                     |          | 10/7/90  | KR   |
|              | Magnaflux Bolt                                                 |          | 10/7/90  | KR   |
| 615          | Rollmark Caliber                                               |          | 10/12/90 | LS   |
| 617          | Drill and Tap Sight Holes                                      |          | 10/18/90 | KUB  |
| 618          | Polish Barrel                                                  |          | 10/19/90 | KUB  |
| 620          | Apply Coatings<br>(Barrel Action)                              |          | 11-5-90  | TA   |
|              | Apply Coating (Bolt)                                           |          |          | TA   |
| 625          | Final Assembly<br>A) Clean inside of<br>Bolt Assembly          |          | 11/7/90  | RW   |
|              | B) Inspect Rear Firing<br>Pin Hole for Chamfer<br>in Bolt Head |          | 11/7/90  | RW   |
|              | C) Inspect Ejector Hole<br>for Chamfer                         |          | 11/7/90  | RW   |
|              | D) Oil Firing Pin Ass'y                                        |          | 11/7/90  | RW   |
|              | E) Adjust Trigger Pull to<br>Min Setting and Stake             |          | 11-12-90 | JH   |

| op. #        | OP. NAME                                                    | READINGS |       |       |      |      | DATE     | INIT |
|--------------|-------------------------------------------------------------|----------|-------|-------|------|------|----------|------|
| 625<br>cont. | F) Safety On Force                                          | 3 3/4    | 3 3/4 | 3 3/4 |      |      | 11/12/90 | WB   |
|              | G) Safety Off Force                                         | 2        | 2     | 2     |      |      | 11/12/90 | WB   |
|              | H) Trigger Pull Test & Retainability                        |          |       |       |      |      | 11-12-90 | JH   |
|              | I) Firing Pin Indent                                        | .020     | .020  | .020  |      |      | 11/12/90 | WB   |
|              | J) Assemble Stock                                           |          |       |       |      |      | 11/14/90 | RW   |
|              | K) Assemble Swivel Studs                                    |          |       |       |      |      | 11-20-90 | DH   |
|              | L) Attach Front and Rear Sight Assemblies                   |          |       |       |      |      | 11/14/90 | RW   |
|              | M) Iron Sight Alignment                                     |          |       |       |      |      | 11/14/90 | RW   |
|              | N) Detach Front & Rear Sights & place in numbered container |          |       |       |      |      | 11/14/90 | RW   |
|              | O) Attach Scope to Rifle                                    |          |       |       |      |      | 11/14/90 | RW   |
|              | P) Detach & Attach Scope 20 Times                           |          |       |       |      |      | 11/14/90 | RW   |
| 640          | Gallery Target & Test                                       |          |       |       |      |      | 11-16-90 | DH   |
|              | A) Time                                                     |          |       |       |      |      | 11-16-90 | DH   |
|              | B) Malfunctions                                             |          |       |       |      |      | 11-16-90 | DH   |
|              | C) Pierced Primers                                          |          |       |       |      |      | 11-16-90 | DH   |
|              | D) Optical Clarity of Scope                                 |          |       |       |      |      | 11-16-90 | DH   |
| 645          | Inspect for Live Ammo                                       |          |       |       |      |      | 11-16-90 | DH   |
| 655          | Final Inspection                                            |          |       |       |      |      |          |      |
|              | A) Headspace                                                |          |       |       |      |      | 11-20-90 | DH   |
|              | B) Trigger Pull                                             | 2.72     | 2.54  | 2.49  | 2.49 | 2.36 | 11-20-90 | DH   |
|              | C) Function                                                 |          |       |       |      |      | 11-20-90 | DH   |
| 660          | Pack                                                        |          |       |       |      |      | 12-17-90 | DH   |

AVERAGE PULL FORCE BETWEEN  
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. 06523461

DATE 11-12-98

TESTER JH

|         | 2.50#<br>INITIAL | 2.50# AFTER<br>50 CYCLES | FINAL TEST &<br>TO RESET 2.50# |      | COMMENTS                                                               |
|---------|------------------|--------------------------|--------------------------------|------|------------------------------------------------------------------------|
| PULL #1 | 2.40             | 2.38                     | 2.43                           | 2.23 | MIN. SETTING,<br>NO AVG. OF 5<br>READINGS ACCEPT-<br>ABLE LESS THAN 2# |
| PULL #2 | 2.44             | 2.35                     | 2.30                           | 2.54 |                                                                        |
| PULL #3 | 2.38             | 2.32                     | 2.35                           | 2.49 |                                                                        |
| PULL #4 | 2.36             | 2.43                     | 2.41                           | 2.49 |                                                                        |
| PULL #5 | 2.41             | 2.38                     | 2.39                           | 2.36 |                                                                        |
| TOTAL   |                  |                          |                                |      |                                                                        |
| AVG.    |                  |                          |                                |      |                                                                        |

|         | 3.00#<br>INITIAL | 3.00# AFTER<br>20 CYCLES |  | COMMENTS |
|---------|------------------|--------------------------|--|----------|
| PULL #1 | 3.29             | 3.28                     |  |          |
| PULL #2 | 3.32             | 3.32                     |  |          |
| PULL #3 | 3.31             | 3.28                     |  |          |
| PULL #4 | 3.33             | 3.37                     |  |          |
| PULL #5 | 3.29             | 3.35                     |  |          |
| 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 | 4.29             | 4.42                     |                                | 4.29                                 |
| PULL #2 | 4.25             | 4.40                     |                                | 4.35                                 |
| PULL #3 | 4.15             | 4.33                     |                                | 4.29                                 |
| PULL #4 | 4.33             | 4.37                     |                                | 4.32                                 |
| PULL #5 | 4.28             | 4.30                     |                                | 4.26                                 |
| TOTAL   |                  |                          |                                |                                      |
| AVG.    |                  |                          |                                |                                      |

CENTROIDAL DISTANCE CALCULATIONS  
FOR RIFLE # C6523461  
16 Nov 1990

CENTROIDAL DISTANCES

|      |   |         |
|------|---|---------|
| 0 TO | 1 | .241207 |
| 1 TO | 2 | .204788 |
| 1 TO | 3 | .210238 |
| 1 TO | 4 | .181893 |
| 1 TO | 5 | .365218 |

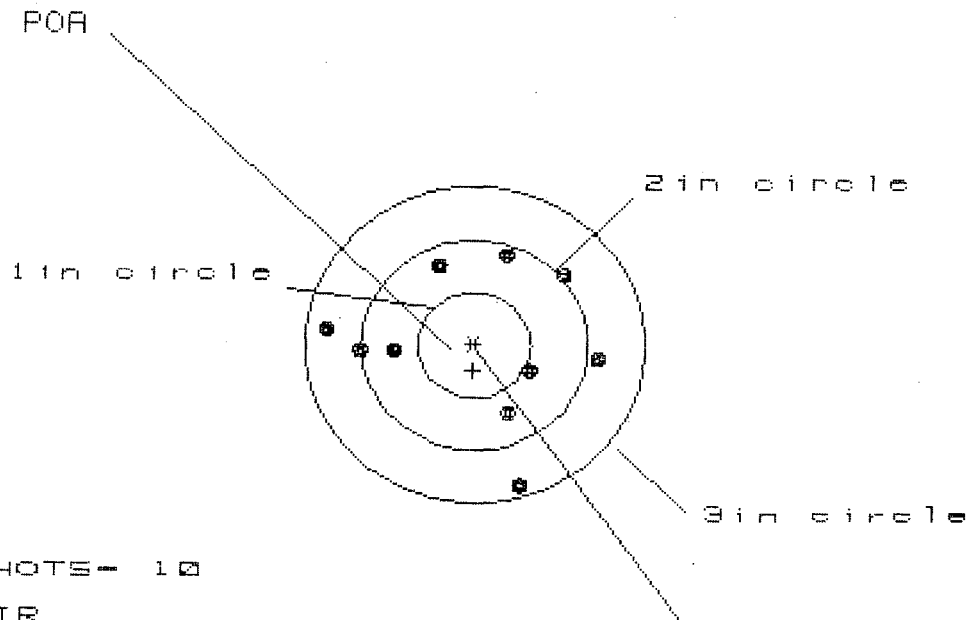
54<sup>12</sup> <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0198  
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .131  
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .132488  
THE AMR FOR THIS RIFLE IS: .8684

16 Nov 1998

FILE:/PATTERNING/CENTERFIRE\_PATT/C6523461

## CENTERFIRE PATTERNS # 1



# OF SHOTS - 10

# IN CIR

1 in = 0

2 in = 5

3 in = 10

HS = 2.352

VS = 2.155

GS = 2.364

CENTROID \*

| PATTERN #                     | 1      | 2      | 3      |
|-------------------------------|--------|--------|--------|
| SHOTS (BEST OF)               | 10     | 9      | 8      |
| MAXIMUM X                     | 1.080  | 1.119  | .965   |
| MINIMUM X                     | -1.272 | -1.233 | -1.139 |
| MAXIMUM Y                     | .810   | .661   | .658   |
| MINIMUM Y                     | -1.345 | -.789  | -.792  |
| CENTROID X                    | .010   | -.029  | .125   |
| CENTROID Y                    | .241   | .390   | .393   |
| POA TO CENTROID in.           | .241   | .391   | .412   |
| MIN RADIUS                    | .586   | .694   | .592   |
| MEAN RADIUS                   | .953   | .895   | .837   |
| MAX RADIUS                    | 1.389  | 1.233  | 1.152  |
| HORIZONTAL SPREAD             | 2.352  | 2.352  | 2.104  |
| VERTICAL SPREAD               | 2.155  | 1.450  | 1.450  |
| EXTREME SPREAD                | 2.364  | 2.364  | 2.106  |
| NUMBER IN ONE INCH CIRCLE =   | 0      |        |        |
| NUMBER IN TWO INCH CIRCLE =   | 5      |        |        |
| NUMBER IN THREE INCH CIRCLE = | 10     |        |        |

16 Nov 1938

FILE:/PATTERNING/CENTERFIRE\_PATT/06523461

## CENTERFIRE PATTERNS # 2

POA

1 in circle

2 in circle

3 in circle

# OF SHOTS- 10

# IN CIR

1 in = 4

2 in = 8

3 in = 10

HS= 2.089

VS= 1.550

GS= 2.284

CENTROID #

| PATTERN #                     | 2     |       |       |
|-------------------------------|-------|-------|-------|
| SHOTS (BEST OF)               | 10    | 9     | 8     |
| MAXIMUM X                     | 1.415 | .515  | .469  |
| MINIMUM X                     | -.674 | -.517 | -.563 |
| MAXIMUM Y                     | .929  | .899  | .766  |
| MINIMUM Y                     | -.620 | -.651 | -.539 |
| CENTROID X                    | .213  | .056  | .102  |
| CENTROID Y                    | .268  | .299  | .187  |
| POA TO CENTROID in.           | .343  | .304  | .213  |
| MIN RADIUS                    | .198  | .126  | .064  |
| MEAN RADIUS                   | .626  | .534  | .448  |
| MAX RADIUS                    | 1.442 | .971  | .791  |
| HORIZONTAL SPREAD             | 2.089 | 1.032 | 1.032 |
| VERTICAL SPREAD               | 1.550 | 1.550 | 1.305 |
| EXTREME SPREAD                | 2.284 | 1.783 | 1.465 |
| NUMBER IN ONE INCH CIRCLE =   |       | 4     |       |
| NUMBER IN TWO INCH CIRCLE =   |       | 8     |       |
| NUMBER IN THREE INCH CIRCLE = |       | 10    |       |

16 Nov 1998

FILE:/PATTERNING/CENTERFIRE\_PATT/C6523461

## CENTERFIRE PATTERNS # 3

POA

1 in circle

2 in circle

3 in circle

# OF SHOTS- 10

# IN CIR

1 in = 1

2 in = 5

3 in = 9

HS= 2.066

VS= 2.664

GS= 2.892

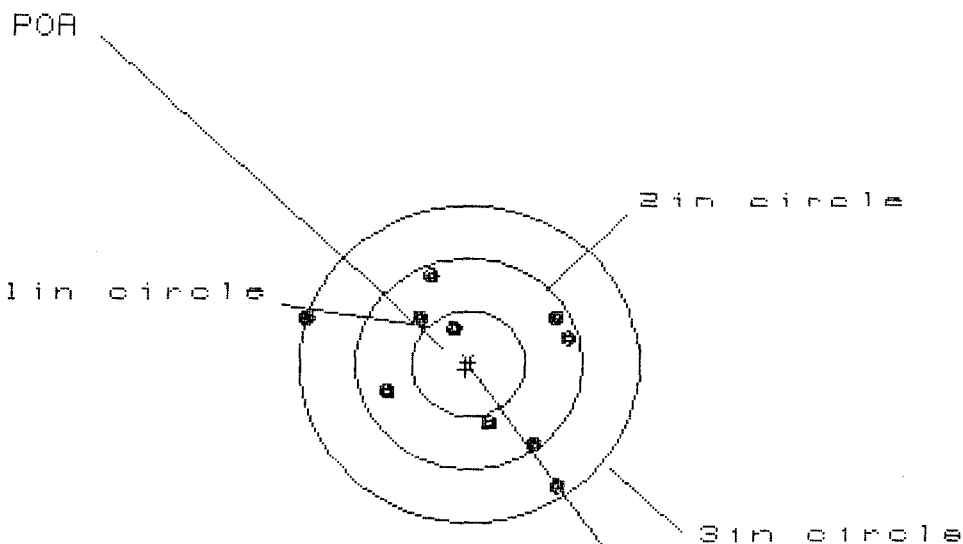
CENTROID #

| PATTERN #                   | : | 3      |        |       |
|-----------------------------|---|--------|--------|-------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8     |
| MAXIMUM X                   | : | 1.055  | 1.128  | 1.095 |
| MINIMUM X                   | : | -1.011 | -.894  | -.927 |
| MAXIMUM Y                   | : | 1.301  | 1.428  | 1.273 |
| MINIMUM Y                   | : | -1.363 | -1.236 | -.898 |
| CENTROID X                  | : | .128   | .011   | .044  |
| CENTROID Y                  | : | .067   | -.060  | .095  |
| POA TO CENTROID in.         | : | .144   | .061   | .104  |
| MIN RADIUS                  | : | .367   | .401   | .392  |
| MEAN RADIUS                 | : | .977   | .903   | .842  |
| MAX RADIUS                  | : | 1.558  | 1.463  | 1.305 |
| HORIZONTAL SPREAD           | : | 2.066  | 2.022  | 2.022 |
| VERTICAL SPREAD             | : | 2.664  | 2.664  | 2.171 |
| EXTREME SPREAD              | : | 2.892  | 2.727  | 2.486 |
| NUMBER IN ONE INCH CIRCLE   | = |        | 1      |       |
| NUMBER IN TWO INCH CIRCLE   | = |        | 5      |       |
| NUMBER IN THREE INCH CIRCLE | = |        | 9      |       |

16 Nov 1990

FILE:/PATTERNING/CENTERFIRE\_PATT/06523461

CENTERFIRE PATTERNS # 4



# OF SHOTS = 10

# IN CIR

1in = 1

2in = 8

3in = 10

HS = 2.318

VS = 1.920

GS = 2.664

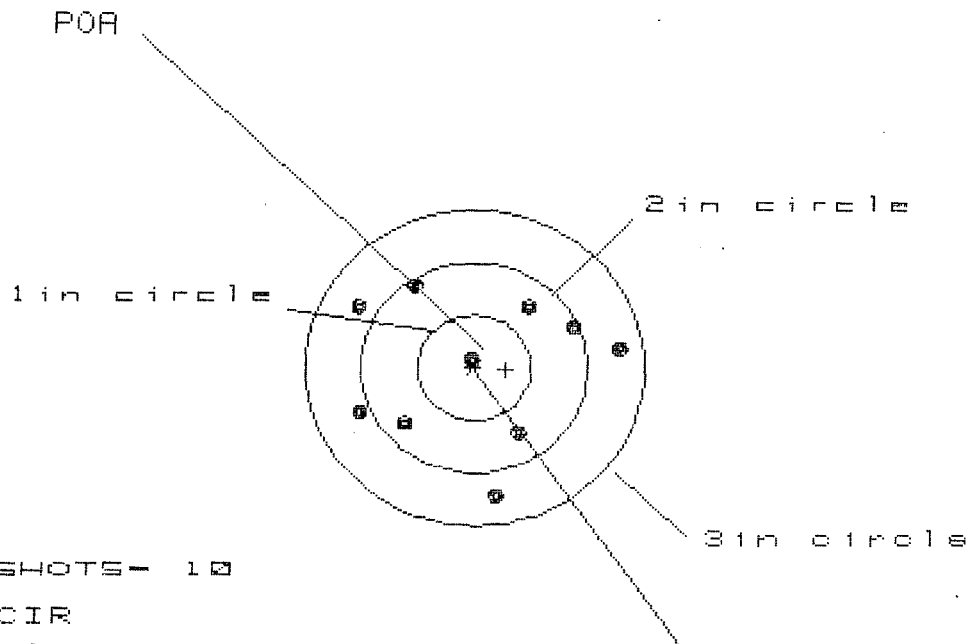
CENTROID #

|                             |   |        |        |       |
|-----------------------------|---|--------|--------|-------|
| PATTERN #                   | : | 4      |        |       |
| SHOTS (BEST OF)             | : | 10     | 9      | 8     |
| MAXIMUM X                   | : | .884   | .724   | .797  |
| MINIMUM X                   | : | -1.434 | -.932  | -.859 |
| MAXIMUM Y                   | : | .796   | .842   | .788  |
| MINIMUM Y                   | : | -1.124 | -1.078 | -.853 |
| CENTROID X                  | : | .028   | .188   | .115  |
| CENTROID Y                  | : | .060   | .014   | .148  |
| POA TO CENTROID in.         | : | .066   | .188   | .188  |
| MIN RADIUS                  | : | .340   | .457   | .306  |
| MEAN RADIUS                 | : | .878   | .806   | .733  |
| MAX RADIUS                  | : | 1.493  | 1.224  | 1.006 |
| HORIZONTAL SPREAD           | : | 2.318  | 1.656  | 1.656 |
| VERTICAL SPREAD             | : | 1.920  | 1.920  | 1.561 |
| EXTREME SPREAD              | : | 2.664  | 2.207  | 1.837 |
| NUMBER IN ONE INCH CIRCLE   | = |        | 1      |       |
| NUMBER IN TWO INCH CIRCLE   | = |        | 8      |       |
| NUMBER IN THREE INCH CIRCLE | = |        | 10     |       |

16 Nov 1998

FILE:/PATTERNING/CENTERFIRE\_PATT/06523461

CENTERFIRE PATTERNS # 5



# OF SHOTS - 10

# IN CIR

1 in - 1

2 in - 6

3 in - 10

HS- 2.319

VS- 2.000

GS- 2.399

CENTROID #

| PATTERN #                     | 5      | 9      | 8     |
|-------------------------------|--------|--------|-------|
| SHOTS (BEST OF)               | 10     | 9      | 8     |
| MAXIMUM X                     | 1.262  | 1.011  | 1.056 |
| MINIMUM X                     | -1.057 | -.917  | -.872 |
| MAXIMUM Y                     | .814   | .833   | .688  |
| MINIMUM Y                     | -1.186 | -1.167 | -.700 |
| CENTROID X                    | -.280  | -.420  | -.465 |
| CENTROID Y                    | .019   | -.000  | .145  |
| POA TO CENTROID in.           | .281   | .420   | .487  |
| MIN RADIUS                    | .106   | .187   | .185  |
| MEAN RADIUS                   | .908   | .866   | .813  |
| MAX RADIUS                    | 1.274  | 1.219  | 1.088 |
| HORIZONTAL SPREAD             | 2.319  | 1.928  | 1.928 |
| VERTICAL SPREAD               | 2.000  | 2.000  | 1.387 |
| EXTREME SPREAD                | 2.399  | 2.152  | 2.100 |
| NUMBER IN ONE INCH CIRCLE =   | 1      |        |       |
| NUMBER IN TWO INCH CIRCLE =   | 6      |        |       |
| NUMBER IN THREE INCH CIRCLE = | 10     |        |       |