

*Smead*  
®

FORM

UPC



0 47700 25716 2

C6665695

\*INCLUDES 1 IN CHAMBER

MODEL 700 TM M24

5716

ORDER NO.

BARREL LENGTH

CAPACITY\*

**Remington**VERY IMPORTANT:  
Instruction Book  
enclosed to assure  
safe use of this  
firearm.**MODEL 700<sup>TM</sup> M24****SERIAL NO.****C6665695****ORDER NO.****5716**

20

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



5716 C6665695

**ORDER 5716**MODEL 700<sup>TM</sup> M24**UPC**

0 47700 25716 7

**ORDER 5716**MODEL 700<sup>TM</sup> M24**UPC**

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**GFM**

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C 6665695

| OP. #        | OP. NAME                                                       | READINGS | DATE     | INIT |
|--------------|----------------------------------------------------------------|----------|----------|------|
| 575 &<br>580 | Assemble Action<br>and Stock                                   | 10 1 .91 |          | Rw   |
| 600          | Proof                                                          | 10 1 91  |          | Rw   |
| 607          | Check Headspace                                                | 10 1 91  |          | Rw   |
| 610          | Dis-assemble Gun                                               | 10 1 91  |          | Rw   |
| 612          | Magnaflux Barrel<br>Action                                     | OCT      | 4 1991   | KR   |
|              | Magnaflux Bolt                                                 | OCT      | 4 1991   | KR   |
| 615          | Rollmark Caliber                                               | OCT      | 4 1991   | Y.S. |
| 617          | Drill and Tap Sight Holes                                      | OCT      | 4 1991   | LB   |
| 618          | Polish Barrel                                                  |          | 10/8/91  | WLB  |
| 620          | Apply Coatings<br>(Barrel Action)                              |          | 10-22-91 | TJA  |
|              | Apply Coating (Bolt)                                           |          |          |      |
| 625          | Final Assembly<br>A) Clean inside of<br>Bolt Assembly          |          | 10/22/91 | Rw   |
|              | B) Inspect Rear Firing<br>Pin Hole for Chamfer<br>in Bolt Head |          | 10/22/91 | Rw   |
|              | C) Inspect Ejector Hole<br>for Chamfer                         |          | 10/22/91 | Rw   |
|              | D) Oil Firing Pin Ass'y                                        |          | 10/22/91 | Rw   |
|              | E) Adjust Trigger Pull to<br>Min Setting and Stake             |          | 10/30/91 | YH   |

| op. #        | NAME <b>BARBER M24 0101427</b>                              | READINGS        |      |                 |     |     | DATE     | INIT |
|--------------|-------------------------------------------------------------|-----------------|------|-----------------|-----|-----|----------|------|
| 625<br>cont. | F) Safety On Force                                          | 5 $\frac{1}{4}$ | 5    | 5 $\frac{1}{4}$ |     |     | 10-30-91 | DH   |
|              | G) Safety Off Force                                         | 3 $\frac{1}{4}$ | 3    | 3 $\frac{1}{4}$ |     |     | 10-30-91 | DH   |
|              | H) Trigger Pull Test & Retainability                        |                 |      |                 |     |     | 10/30/91 | YH   |
|              | I) Firing Pin Indent                                        | .020            | .021 | .020            |     |     | 10-30-91 | DH   |
|              | J) Assemble Stock                                           |                 |      |                 |     |     | 10/31/91 | RW   |
|              | K) Assemble Swivel Studs                                    |                 |      |                 |     |     | 11-12-91 | A    |
|              | L) Attach Front and Rear Sight Assemblies                   |                 |      |                 |     |     | 10/31/91 | RW   |
|              | M) Iron Sight Alignment                                     |                 |      |                 |     |     | 10/31/91 | RW   |
|              | N) Detach Front & Rear Sights & place in numbered container |                 |      |                 |     |     | 10/31/91 | RW   |
|              | O) Attach Scope to Rifle                                    |                 |      |                 |     |     | 10/31/91 | RW   |
|              | P) Detach & Attach Scope 20 Times                           |                 |      |                 |     |     | 10/31/91 | RW   |
| 640          | Gallery Target & Test                                       |                 |      |                 |     |     | 10-31-91 | NF   |
|              | A) Time                                                     |                 |      |                 |     |     | "        | NF   |
|              | B) Malfunctions                                             |                 |      |                 |     |     | "        | NF   |
|              | C) Pierced Primers                                          |                 |      |                 |     |     | "        | NF   |
|              | D) Optical Clarity of Scope                                 |                 |      |                 |     |     | "        | NF   |
| 645          | Inspect for Live Ammo                                       |                 |      |                 |     |     | 10-31-91 | NF   |
| 655          | Final Inspection                                            |                 |      |                 |     |     |          |      |
|              | A) Headspace                                                |                 |      |                 |     |     | 11-12-91 | A    |
|              | B) Trigger Pull                                             | 252             | 228  | 228             | 232 | 242 | 11-6-91  | DH   |
|              | C) Function                                                 |                 |      |                 |     |     | 11-12-91 | A    |
| 660          | Pack                                                        |                 |      |                 |     |     | 12-19-91 | NF   |

## SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN  
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6665695

DATE 10/30/91

TESTER JK

|         | 2.50#<br>INITIAL | 2.50# AFTER<br>50 CYCLES | FINAL TEST &<br>TO RESET 2.50# |      | COMMENTS                                                               |
|---------|------------------|--------------------------|--------------------------------|------|------------------------------------------------------------------------|
| PULL #1 | 2.43             | 2.26                     | 2.50                           | 2.52 | MIN. SETTING,<br>NO AVG. OF 5<br>READINGS ACCEPT-<br>ABLE LESS THAN 2# |
| PULL #2 | 2.36             | 2.26                     | 2.33                           | 2.28 |                                                                        |
| PULL #3 | 2.24             | 2.41                     | 2.48                           | 2.28 |                                                                        |
| PULL #4 | 2.33             | 2.24                     | 2.28                           | 2.32 |                                                                        |
| PULL #5 | 2.41             | 2.44                     | 2.32                           | 2.42 |                                                                        |
| TOTAL   |                  |                          |                                |      |                                                                        |
| AVG.    |                  |                          |                                |      |                                                                        |

|         | 3.00#<br>INITIAL | 3.00# AFTER<br>20 CYCLES |  | COMMENTS |
|---------|------------------|--------------------------|--|----------|
| PULL #1 | 3.23             | 3.45                     |  |          |
| PULL #2 | 3.29             | 3.43                     |  |          |
| PULL #3 | 3.41             | 3.44                     |  |          |
| PULL #4 | 3.25             | 3.39                     |  |          |
| PULL #5 | 3.41             | 3.46                     |  |          |
| 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 | 4.32             | 4.36                     |                                | 4.47                                 |
| PULL #2 | 4.23             | 4.42                     |                                | 4.48                                 |
| PULL #3 | 4.43             | 4.50                     |                                | 4.33                                 |
| PULL #4 | 4.41             | 4.37                     |                                | 4.38                                 |
| PULL #5 | 4.53             | 4.43                     |                                | 4.38                                 |
| TOTAL   |                  |                          |                                |                                      |
| AVG.    |                  |                          |                                |                                      |

CENTROIDAL DISTANCE CALCULATIONS  
FOR RIFLE # 06665695  
31 Oct 1991

CENTROIDAL DISTANCES

|      |   |         |
|------|---|---------|
| 0 TO | 1 | .489477 |
| 1 TO | 2 | .377001 |
| 1 TO | 3 | .322591 |
| 1 TO | 4 | .776041 |
| 1 TO | 5 | .474157 |

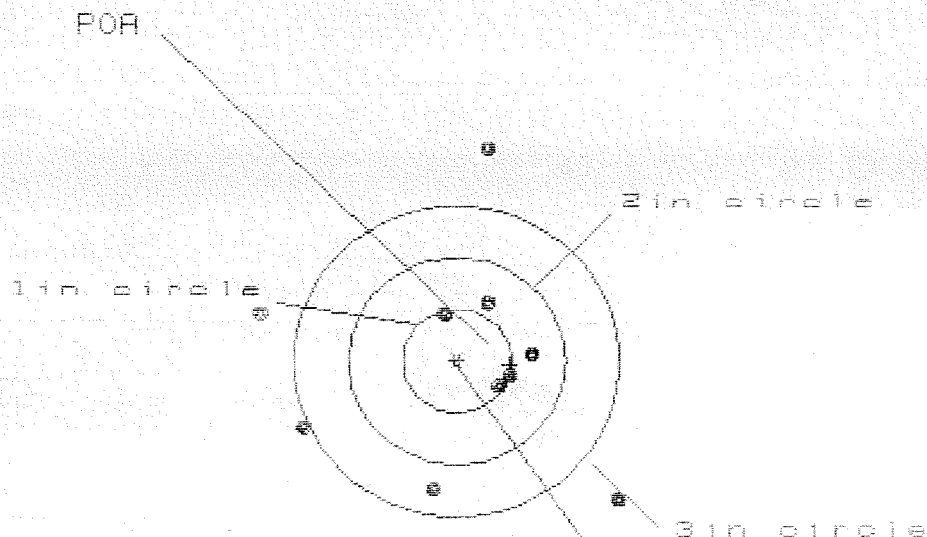
4  
1.4 (----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.1986  
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0559  
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .20629  
THE AMR FOR THIS RIFLE IS: .9454

31 Oct 1991

FILE:/PATTERNING/CENTERFIRE\_PATT/08665695

## CENTERFIRE PATTERNS # 1



# OF SHOTS= 10

# IN CIR

1in = 2

2in = 5

3in = 6

CENTROID \*

HS= 3.271

VS= 3.415

GS= 3.754

| PATTERN #                     | 1      | 9      | 8      |
|-------------------------------|--------|--------|--------|
| SHOTS (BEST OF)               | 10     | 9      | 8      |
| MAXIMUM X                     | 1.467  | 1.497  | .861   |
| MINIMUM X                     | -1.804 | -1.774 | -1.587 |
| MAXIMUM Y                     | 2.039  | .767   | .623   |
| MINIMUM Y                     | -1.376 | -1.149 | -1.119 |
| CENTROID X                    | -.488  | -.518  | -.705  |
| CENTROID Y                    | .038   | -.189  | -.045  |
| POA TO CENTROID in.           | .489   | .552   | .707   |
| MIN RADIUS                    | .424   | .373   | .584   |
| MEAN RADIUS                   | 1.137  | 1.045  | .958   |
| MAX RADIUS                    | 2.058  | 1.904  | 1.679  |
| HORIZONTAL SPREAD             | 3.271  | 3.271  | 2.448  |
| VERTICAL SPREAD               | 3.415  | 1.916  | 1.742  |
| EXTREME SPREAD                | 3.754  | 3.754  | 2.485  |
| NUMBER IN ONE INCH CIRCLE =   | 2      |        |        |
| NUMBER IN TWO INCH CIRCLE =   | 5      |        |        |
| NUMBER IN THREE INCH CIRCLE = | 6      |        |        |



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FILE:/PATTERNING/CENTERFIRE\_PATT/C8585685

## CENTERFIRE PATTERNS # 2

POB

1 in circle

2 in circle

3 in circle

# OF SHOTS = 10

# IN CIR

1 in = 3

2 in = 5

3 in = 7

CENTROID \*

HS = 1.320

VS = 3.649

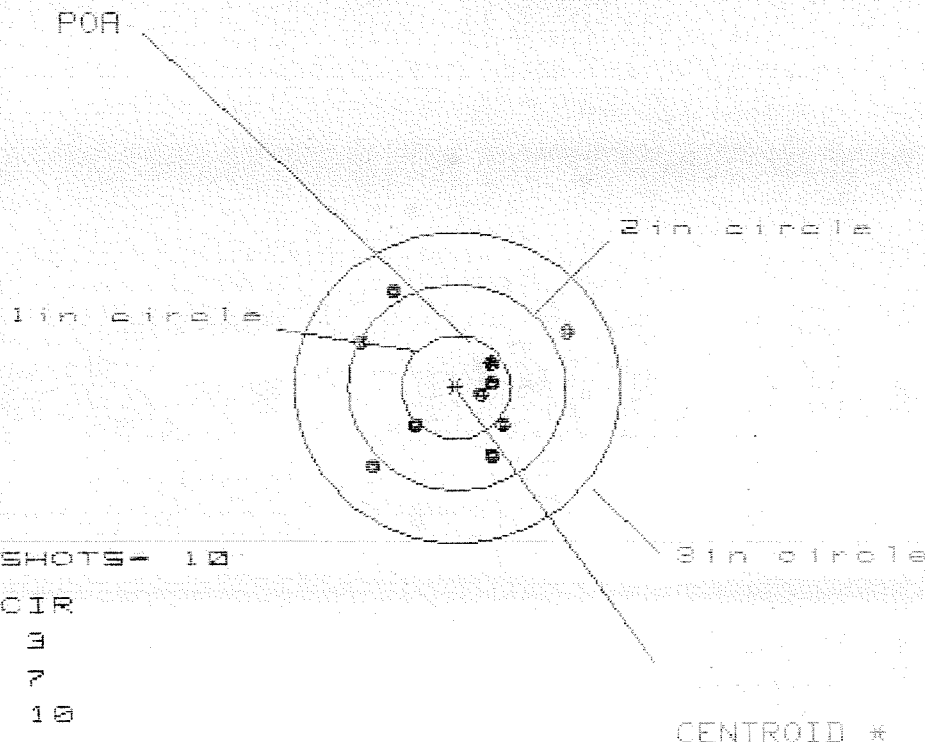
GS = 3.727

| PATTERN #                   | : | 2      |        |        |
|-----------------------------|---|--------|--------|--------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | .630   | .487   | .480   |
| MINIMUM X                   | : | -.690  | -.620  | -.627  |
| MAXIMUM Y                   | : | 1.890  | 1.277  | 1.084  |
| MINIMUM Y                   | : | -1.759 | -1.549 | -1.533 |
| CENTROID X                  | : | -.117  | -.187  | -.180  |
| CENTROID Y                  | : | -.029  | -.239  | -.045  |
| POB TO CENTROID in.         | : | .121   | .304   | .186   |
| MIN RADIUS                  | : | .110   | .112   | .088   |
| MEAN RADIUS                 | : | .930   | .825   | .700   |
| MAX RADIUS                  | : | 1.992  | 1.550  | 1.687  |
| HORIZONTAL SPREAD           | : | 1.320  | 1.107  | 1.107  |
| VERTICAL SPREAD             | : | 3.649  | 2.826  | 2.617  |
| EXTREME SPREAD              | : | 3.727  | 2.843  | 2.619  |
| NUMBER IN ONE INCH CIRCLE   | = |        | 3      |        |
| NUMBER IN TWO INCH CIRCLE   | = |        | 6      |        |
| NUMBER IN THREE INCH CIRCLE | = |        | 7      |        |

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## CENTERFIRE PATTERNS # 3



# OF SHOTS- 10

# IN CIR

1 in - 3

2 in - 7

3 in - 10

HS= 1.865

VS= 1.684

GS= 2.270

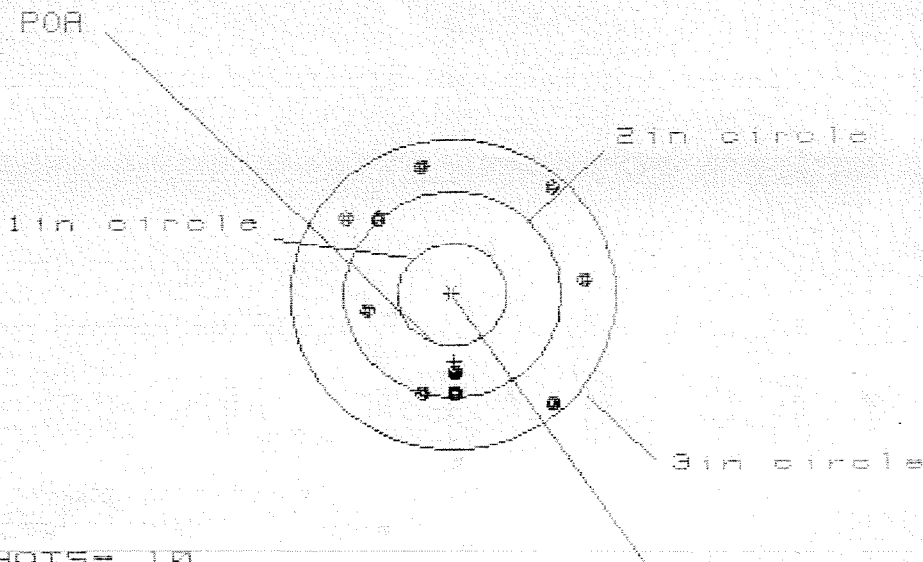
CENTROID \*

| PATTERN #                   | : | 3     |       |       |
|-----------------------------|---|-------|-------|-------|
| SHOTS (BEST OF)             | : | 10    | 9     | 8     |
| MAXIMUM X                   | : | 1.833 | .530  | .441  |
| MINIMUM X                   | : | -.832 | -.717 | -.806 |
| MAXIMUM Y                   | : | .924  | .985  | .898  |
| MINIMUM Y                   | : | -.760 | -.699 | -.653 |
| CENTROID X                  | : | -.321 | -.436 | -.347 |
| CENTROID Y                  | : | -.238 | -.299 | -.212 |
| POA TO CENTROID in.         | : | .400  | .528  | .487  |
| MIN RADIUS                  | : | .218  | .310  | .254  |
| MEAN RADIUS                 | : | .706  | .665  | .605  |
| MAX RADIUS                  | : | 1.170 | 1.102 | 1.070 |
| HORIZONTAL SPREAD           | : | 1.865 | 1.247 | 1.247 |
| VERTICAL SPREAD             | : | 1.684 | 1.684 | 1.551 |
| EXTREME SPREAD              | : | 2.270 | 1.825 | 1.625 |
| NUMBER IN ONE INCH CIRCLE   | = |       | 3     |       |
| NUMBER IN TWO INCH CIRCLE   | = |       | 7     |       |
| NUMBER IN THREE INCH CIRCLE | = |       | 10    |       |

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## CENTERFIRE PATTERNS # 4



# OF SHOTS= 10

# IN CIR

1 in = 0

2 in = 3

3 in = 10

HS= 2.151

VS= 2.335

GS= 2.619

CENTROID \*

| PATTERN #                   | : | 4      |        |       |
|-----------------------------|---|--------|--------|-------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8     |
| MAXIMUM X                   | : | 1.202  | 1.299  | 1.423 |
| MINIMUM X                   | : | -.949  | -.852  | -.728 |
| MAXIMUM Y                   | : | 1.252  | 1.131  | 1.247 |
| MINIMUM Y                   | : | -1.083 | -1.091 | -.975 |
| CENTROID X                  | : | -.016  | -.113  | -.237 |
| CENTROID Y                  | : | .654   | .775   | .659  |
| POA TO CENTROID in.         | : | .654   | .783   | .700  |
| MIN RADIUS                  | : | .704   | .750   | .592  |
| MEAN RADIUS                 | : | 1.092  | 1.051  | .981  |
| MAX RADIUS                  | : | 1.390  | 1.362  | 1.426 |
| HORIZONTAL SPREAD           | : | 2.151  | 2.151  | 2.151 |
| VERTICAL SPREAD             | : | 2.335  | 2.222  | 2.222 |
| EXTREME SPREAD              | : | 2.619  | 2.324  | 2.234 |
| NUMBER IN ONE INCH CIRCLE   | = |        | 0      |       |
| NUMBER IN TWO INCH CIRCLE   | = |        | 3      |       |
| NUMBER IN THREE INCH CIRCLE | = |        | 10     |       |

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## CENTERFIRE PATTERNS # 5

POA

1in circle

2in circle

3in circle

CENTROID #

# OF SHOTS= 10

# IN CIR

1in = 3

2in = 5

3in = 8

HS= 1.160

VS= 2.913

GS= 2.923

| PATTERN #                     | 5      |
|-------------------------------|--------|
| SHOTS (BEST OF)               | 10     |
| MAXIMUM X                     | .522   |
| MINIMUM X                     | -.638  |
| MAXIMUM Y                     | 1.333  |
| MINIMUM Y                     | -1.580 |
| CENTROID X                    | -.051  |
| CENTROID Y                    | -.146  |
| POA TO CENTROID in.           | .155   |
| MIN RADIUS                    | .097   |
| MEAN RADIUS                   | .862   |
| MAX RADIUS                    | 1.585  |
| HORIZONTAL SPREAD             | 1.160  |
| VERTICAL SPREAD               | 2.913  |
| EXTREME SPREAD                | 2.923  |
| NUMBER IN ONE INCH CIRCLE =   | 3      |
| NUMBER IN TWO INCH CIRCLE =   | 5      |
| NUMBER IN THREE INCH CIRCLE = | 8      |