

06225392

MODEL 700<sup>TM</sup> M24

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

Action

Barrel Length

Capacity

Order No. **5715**

\*Includes 1 in chamber.

*Remington*

*Smead*  
No. 2152.51

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

**MODEL 700™ H24**

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

**SERIAL NO.**  
C6225392

**ORDER NO.**  
5716

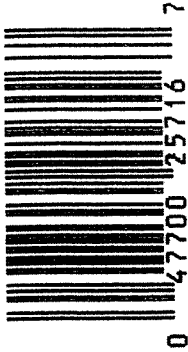
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.

Ø1



5716 C6225392

UPC



CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C 6225392

| OP. #     | OP. NAME                                                 | READINGS | DATE    | INIT |
|-----------|----------------------------------------------------------|----------|---------|------|
| 575 & 580 | Assemble Action and Stock                                | 4 21     | 89      | RW   |
| 600       | Proof                                                    | 4 21     | 89      | RW   |
| 607       | Check Headspace                                          | 4 21     | 89      | RW   |
| 610       | Dis-assemble Gun                                         | 4 21     | 89      | RW   |
| 612       | Magnaflux Barrel Action                                  |          | 4/26    | KCR  |
|           | Magnaflux Bolt                                           |          | 4/27    | KCR  |
| 615       | Rollmark Caliber                                         |          | 4/27    | GB   |
| 617       | Drill and Tap Sight Holes                                | 4 27     | 89      | JB   |
| 618       | Polish Barrel RB                                         | 4 27     | 89      | BT   |
| 620       | Apply Coatings (Barrel Action)                           |          | 5/22/89 | TSA  |
|           | Apply Coating (Bolt)                                     |          |         |      |
| 625       | Final Assembly                                           |          |         |      |
|           | A) Clean inside of Bolt Assembly                         |          | 5/22/89 | RW   |
|           | B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head |          | 5/22/89 | RW   |
|           | C) Inspect Ejector Hole for Chamfer                      |          | 5/22/89 | RW   |
|           | D) Oil Firing Pin Ass'y                                  |          | 5/22/89 | RW   |
|           | E) Adjust Trigger Pull to Min Setting and Stake          |          | 5/26/89 | WB   |

| op. #        | BARBER - M24 0059783<br>OP. NAME                            | READINGS |      |        |      |      | DATE      | INIT |
|--------------|-------------------------------------------------------------|----------|------|--------|------|------|-----------|------|
| 625<br>cont. | F) Safety On Force                                          | 4        | 4    | 4      |      |      | 5/31/89   | g4   |
|              | G) Safety Off Force                                         | 3        | 3    | 3      |      |      | 5/30/89   | g4   |
|              | H) Trigger Pull Test & Retainability                        |          |      |        |      |      | 5/26/89   | WLB  |
|              | I) Firing Pin Indent                                        | .020.5   | .020 | .020.5 |      |      | 5/30/89   | g4   |
|              | J) Assemble Stock                                           |          |      |        |      |      | 5/30/89   | RW   |
|              | K) Assemble Swivel Studs                                    |          |      |        |      |      | 1 June 89 | g4   |
|              | L) Attach Front and Rear Sight Assemblies                   |          |      |        |      |      | 5/30/89   | RW   |
|              | M) Iron Sight Alignment                                     |          |      |        |      |      | 5/30/89   | RW   |
|              | N) Detach Front & Rear Sights & place in numbered container |          |      |        |      |      | 5/30/89   | RW   |
|              | O) Attach Scope to Rifle                                    |          |      |        |      |      | 5/30/89   | g4   |
|              | P) Detach & Attach Scope 20 Times                           |          |      |        |      |      | 5/31/89   | g4   |
| 640          | Gallery Target & Test                                       | 55 R     | 98 L |        |      |      | 5/31/89   | DH   |
|              | A) Time                                                     |          |      |        |      |      | 5/31/89   | DH   |
|              | B) Malfunctions                                             |          |      |        |      |      | 5/31/89   | DH   |
|              | C) Pierced Primers                                          |          |      |        |      |      | 5/31/89   | DH   |
|              | D) Optical Clarity of Scope                                 |          |      |        |      |      | 5/31/89   | DH   |
| 645          | Inspect for Live Ammo                                       |          |      |        |      |      | 5/31/89   | DH   |
| 655          | Final Inspection                                            |          |      |        |      |      | 1 June 89 | g4   |
|              | A) Headspace                                                |          |      |        |      |      | 1 June 89 | g4   |
|              | B) Trigger Pull                                             | 2.63     | 2.67 | 2.73   | 2.67 | 2.74 | 1 June 89 | g4   |
|              | C) Function                                                 |          |      |        |      |      | 1 June 89 | g4   |
| 660          | Pack                                                        |          |      |        |      |      | 1 June 89 | g4   |

AVERAGE PULL FORCE BETWEEN  
INITIAL & CYCLE TESTS

2.50# + .50#  
3.00# + .75#  
4.00# + 1.00#

SERIAL NO. C 6225392

DATE 5/26/89

TESTER W.B.

|         | 2.50#<br>INITIAL | 2.50# AFTER<br>50 CYCLES | FINAL TEST &<br>TO RESET 2.50# |       | COMMENTS                                                               |
|---------|------------------|--------------------------|--------------------------------|-------|------------------------------------------------------------------------|
| PULL #1 | 2.34             | 2.33                     | 2.46                           | 2.63  | MIN. SETTING,<br>NO AVG. OF 5<br>READINGS ACCEPT-<br>ABLE LESS THAN 2# |
| PULL #2 | 2.31             | 2.29                     | 2.72                           | 2.67  |                                                                        |
| PULL #3 | 2.38             | 2.36                     | 2.32                           | 2.73  |                                                                        |
| PULL #4 | 2.31             | 2.40                     | 2.15                           | 2.67  |                                                                        |
| PULL #5 | 2.32             | 2.44                     | 2.79                           | 2.74  |                                                                        |
| TOTAL   | 11.66            | 11.82                    | 11.44                          | 13.44 |                                                                        |
| AVG.    | 2.33             | 2.36                     | 2.29                           | 2.688 |                                                                        |

|         | 3.00#<br>INITIAL | 3.00# AFTER<br>20 CYCLES |  | COMMENTS |
|---------|------------------|--------------------------|--|----------|
| PULL #1 | 3.37             | 3.38                     |  |          |
| PULL #2 | 3.28             | 3.37                     |  |          |
| PULL #3 | 3.34             | 3.41                     |  |          |
| PULL #4 | 3.38             | 3.21                     |  |          |
| PULL #5 | 3.35             | 3.44                     |  |          |
| TOTAL   | 16.72            | 16.81                    |  |          |
| AVG.    | 3.34             | 3.36                     |  |          |

|         | 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             | 4.33                     |                                | 4.01                                 |
| PULL #2 | 4.24             | 4.40                     |                                | 4.03                                 |
| PULL #3 | 4.20             | 4.40                     |                                | 4.08                                 |
| PULL #4 | 4.35             | 4.43                     |                                | 4.19                                 |
| PULL #5 | 4.07             | 4.53                     |                                | 4.20                                 |
| TOTAL   | 21.15            | 22.09                    |                                | 20.51                                |
| AVG.    | 4.23             | 4.42                     |                                | 4.10                                 |

CENTROIDAL DISTANCE CALCULATIONS  
FOR RIFLE # 06225392  
1 Jun 1989

CENTROIDAL DISTANCES

|      |   |          |
|------|---|----------|
| 0 TO | 1 | .57807   |
| 1 TO | 2 | .0389102 |
| 1 TO | 3 | .234094  |
| 1 TO | 4 | .226504  |
| 1 TO | 5 | .679897  |

5 4  
+ 3 <----POB

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .4072  
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .2658  
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .406273  
  
THE AMR FOR THIS RIFLE IS: .853

31 May 1989

FILE:/PATTERNING/CENTERFIRE\_PATT/06225392

## CENTERFIRE PATTERNS

# 1

POA

1 in circle

2 in circle

3 in circle

CENTROID \*

# OF SHOTS = 10

# IN CIR

1 in = 2

2 in = 7

3 in = 10

HS = 1.665

VS = 2.196

GS = 2.543

| PATTERN #                     | 1      | 2      | 3     |
|-------------------------------|--------|--------|-------|
| SHOTS (BEST OF)               | 10     | 9      | 8     |
| MAXIMUM X                     | .764   | .664   | .699  |
| MINIMUM X                     | -.901  | -.830  | -.795 |
| MAXIMUM Y                     | .981   | .802   | .664  |
| MINIMUM Y                     | -1.215 | -1.106 | -.841 |
| CENTROID X                    | .537   | .637   | .602  |
| CENTROID Y                    | .214   | .105   | .243  |
| POA TO CENTROID in.           | .578   | .646   | .650  |
| MIN RADIUS                    | .295   | .166   | .230  |
| MEAN RADIUS                   | .779   | .686   | .637  |
| MAX RADIUS                    | 1.332  | 1.141  | .969  |
| HORIZONTAL SPREAD             | 1.665  | 1.494  | 1.494 |
| VERTICAL SPREAD               | 2.196  | 1.908  | 1.505 |
| EXTREME SPREAD                | 2.543  | 2.113  | 1.762 |
| NUMBER IN ONE INCH CIRCLE =   | 2      |        |       |
| NUMBER IN TWO INCH CIRCLE =   | 7      |        |       |
| NUMBER IN THREE INCH CIRCLE = | 10     |        |       |

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## CENTERFIRE PATTERNS

# 2

POA

1 in circle

2 in circle

3 in circle

CENTROID \*

# OF SHOTS- 10

# IN CIR

1 in = 2

2 in = 6

3 in = 9

HS= 2.124

VS= 2.682

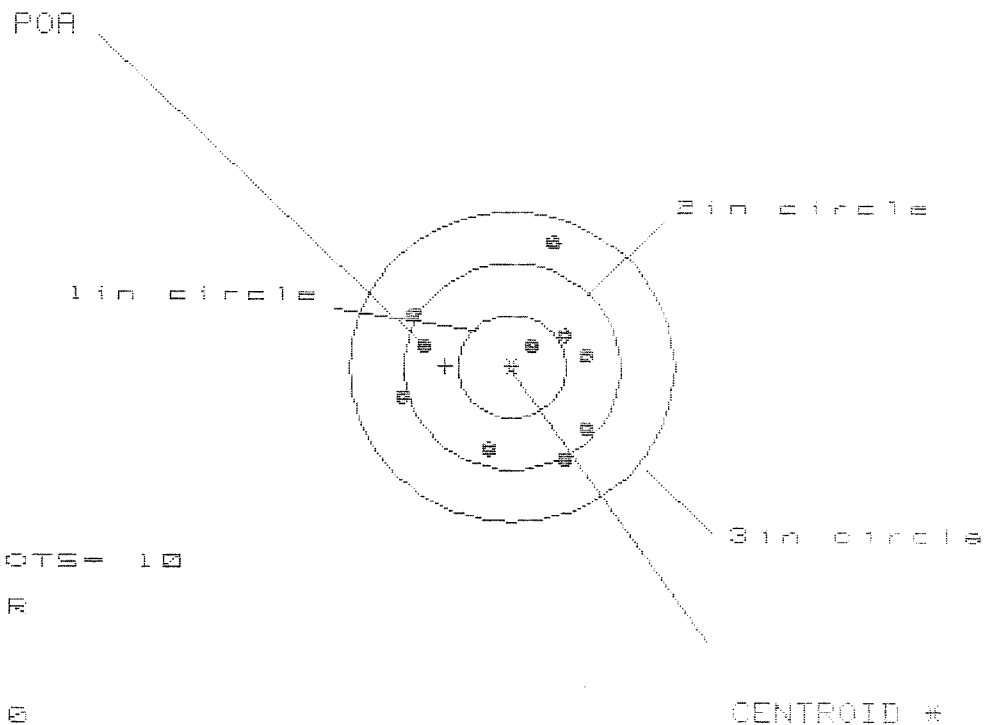
GS= 2.781

| PATTERN #                   | : | 2      |
|-----------------------------|---|--------|
| SHOTS (BEST OF)             | : | 10     |
| MAXIMUM X                   | : | .745   |
| MINIMUM X                   | : | -1.379 |
| MAXIMUM Y                   | : | 1.051  |
| MINIMUM Y                   | : | -1.631 |
| CENTROID X                  | : | .520   |
| CENTROID Y                  | : | .179   |
| POA TO CENTROID in.         | : | .550   |
| MIN RADIUS                  | : | .225   |
| MEAN RADIUS                 | : | .947   |
| MAX RADIUS                  | : | 1.649  |
| HORIZONTAL SPREAD           | : | 2.124  |
| VERTICAL SPREAD             | : | 2.682  |
| EXTREME SPREAD              | : | 2.781  |
| NUMBER IN ONE INCH CIRCLE   | = | 2      |
| NUMBER IN TWO INCH CIRCLE   | = | 6      |
| NUMBER IN THREE INCH CIRCLE | = | 9      |

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## CENTERFIRE PATTERNS # 3



# OF SHOTS = 10

# IN CIR

1 in = 1

2 in = 6

3 in = 10

HS = 1.697

VS = 2.174

GS = 2.176

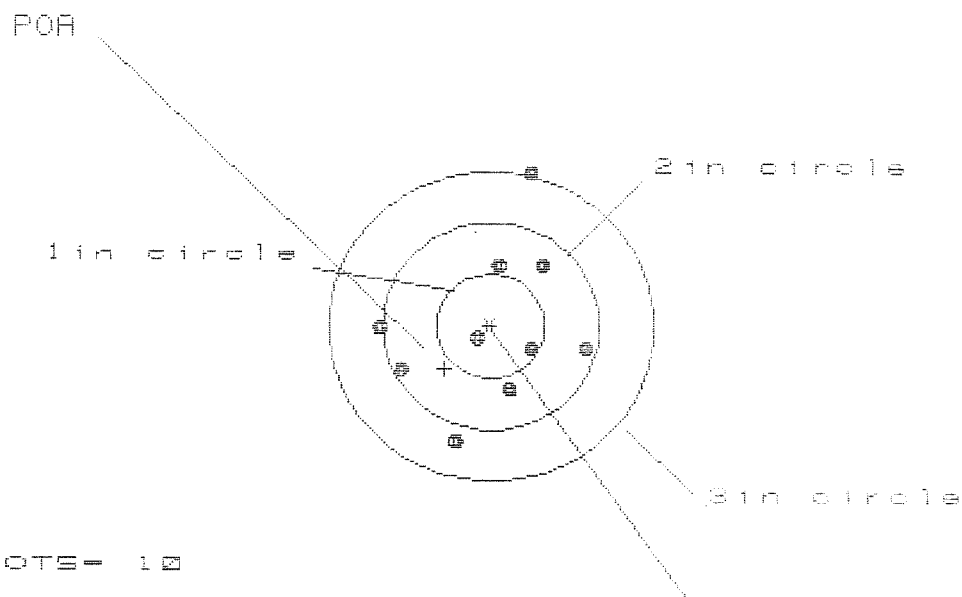
| PATTERN #                     | 3      | 9     | 8      |
|-------------------------------|--------|-------|--------|
| SHOTS (BEST OF)               | 10     | 9     | 8      |
| MAXIMUM X                     | .686   | .734  | .625   |
| MINIMUM X                     | -1.011 | -.963 | -1.072 |
| MAXIMUM Y                     | 1.251  | .683  | .510   |
| MINIMUM Y                     | -.923  | -.784 | -.699  |
| CENTROID X                    | .617   | .569  | .678   |
| CENTROID Y                    | -.006  | -.145 | -.230  |
| POA TO CENTROID in.           | .617   | .588  | .716   |
| MIN RADIUS                    | .325   | .464  | .491   |
| MEAN RADIUS                   | .860   | .810  | .756   |
| MAX RADIUS                    | 1.323  | 1.105 | 1.072  |
| HORIZONTAL SPREAD             | 1.697  | 1.697 | 1.697  |
| VERTICAL SPREAD               | 2.174  | 1.467 | 1.209  |
| EXTREME SPREAD                | 2.176  | 2.049 | 1.745  |
| NUMBER IN ONE INCH CIRCLE =   | 1      |       |        |
| 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 = 2

2 in = 8

3 in = 9

HS= 1.839

VS= 2.599

GS= 2.679

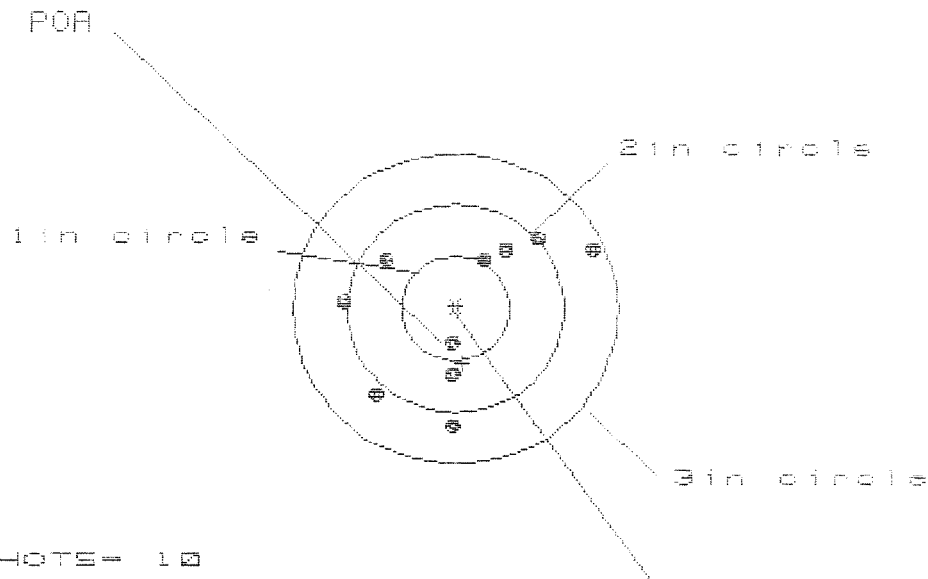
CENTROID #

| PATTERN #                   | : | 4      |       |       |
|-----------------------------|---|--------|-------|-------|
| SHOTS (BEST OF)             | : | 10     | 9     | 8     |
| MAXIMUM X                   | : | .847   | .886  | .855  |
| MINIMUM X                   | : | -.992  | -.953 | -.984 |
| MAXIMUM Y                   | : | 1.489  | .780  | .662  |
| MINIMUM Y                   | : | -1.110 | -.945 | -.813 |
| CENTROID X                  | : | .427   | .388  | .419  |
| CENTROID Y                  | : | .412   | .247  | .365  |
| POA TO CENTROID in.         | : | .594   | .480  | .556  |
| MIN RADIUS                  | : | .162   | .075  | .123  |
| MEAN RADIUS                 | : | .812   | .711  | .675  |
| MAX RADIUS                  | : | 1.531  | .978  | .984  |
| HORIZONTAL SPREAD           | : | 1.839  | 1.839 | 1.839 |
| VERTICAL SPREAD             | : | 2.599  | 1.725 | 1.275 |
| EXTREME SPREAD              | : | 2.679  | 1.872 | 1.845 |
| NUMBER IN ONE INCH CIRCLE   | = |        | 2     |       |
| NUMBER IN TWO INCH CIRCLE   | = |        | 8     |       |
| NUMBER IN THREE INCH CIRCLE | = |        | 9     |       |

31 May 1985

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## CENTERFIRE PATTERNS # 5



# OF SHOTS= 10

# IN CIR

1 in = 1

2 in = 6

3 in = 10

HS= 2.326

VS= 1.805

GS= 2.458

CENTROID \*

| PATTERN #                     | 5      |        |       |
|-------------------------------|--------|--------|-------|
| SHOTS (BEST OF)               | 10     | 9      | 8     |
| MAXIMUM X                     | 1.251  | .879   | .890  |
| MINIMUM X                     | -1.075 | -.936  | -.925 |
| MAXIMUM Y                     | .649   | .714   | .577  |
| MINIMUM Y                     | -1.156 | -1.091 | -.888 |
| CENTROID X                    | -.065  | -.204  | -.215 |
| CENTROID Y                    | .530   | .465   | .602  |
| POA TO CENTROID in.           | .534   | .508   | .639  |
| MIN RADIUS                    | .291   | .254   | .384  |
| MEAN RADIUS                   | .867   | .801   | .762  |
| MAX RADIUS                    | 1.380  | 1.132  | 1.082 |
| HORIZONTAL SPREAD             | 2.326  | 1.815  | 1.815 |
| VERTICAL SPREAD               | 1.805  | 1.805  | 1.465 |
| EXTREME SPREAD                | 2.458  | 2.103  | 2.103 |
| NUMBER IN ONE INCH CIRCLE =   | 1      |        |       |
| NUMBER IN TWO INCH CIRCLE =   | 6      |        |       |
| NUMBER IN THREE INCH CIRCLE = | 10     |        |       |