

C6636090

MODEL 700™ M24

Model SMS™

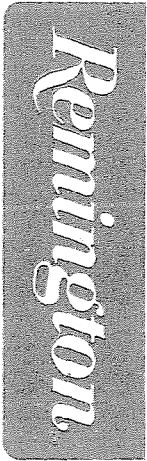
Action

Barrel Length

Capacity

Order No. 5716

\* Includes 1 in chamber.



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

**MODEL 700<sup>TM</sup> H24**

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

**DUPONT**

**SERIAL NO.**  
C6636090

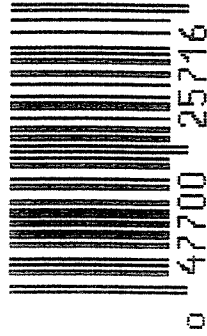
**ORDER NO.**  
5716

20

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



UPC



CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6636090

| OP. #        | OP. NAME                                                       | READINGS | DATE        | INIT |
|--------------|----------------------------------------------------------------|----------|-------------|------|
| 575 &<br>580 | Assemble Action<br>and Stock                                   | 4 8 9 1  |             | RW   |
| 600          | Proof                                                          | 4 8 9 1  |             | RW   |
| 607          | Check Headspace                                                | 4 8 9 1  |             | RW   |
| 610          | Dis-assemble Gun                                               | 4 8 9 1  |             | RW   |
| 612          | Magnaflux Barrel<br>Action                                     |          | APR 9 1991  | KPZ  |
|              | Magnaflux Bolt                                                 |          | APR 9 1991  | K    |
| 615          | Rollmark Caliber                                               |          | APR 9 1991  | YJ   |
| 617          | Drill and Tap Sight Holes                                      |          | APR 10 1991 | FB   |
| 618          | Polish Barrel                                                  |          | APR 19 1991 | WB   |
| 620          | Apply Coatings<br>(Barrel Action)                              |          | 5/10/91     | TH   |
|              | Apply Coating (Bolt)                                           |          |             |      |
| 625          | Final Assembly<br>A) Clean inside of<br>Bolt Assembly          |          | 5/14/91     | RW   |
|              | B) Inspect Rear Firing<br>Pin Hole for Chamfer<br>in Bolt Head |          | 5/14/91     | RW   |
|              | C) Inspect Ejector Hole<br>for Chamfer                         |          | 5/14/91     | RW   |
|              | D) Oil Firing Pin Ass'y                                        |          | 5/14/91     | RW   |
|              | E) Adjust Trigger Pull to<br>Min Setting and Stake             |          | 5-17-91     | DH   |

| Op. #        | BARBER M24 0037582                                          | READINGS |      |      |      |      | DATE    | INIT |
|--------------|-------------------------------------------------------------|----------|------|------|------|------|---------|------|
| 625<br>cont. | F) Safety On Force                                          | 5        | 6    | 5    |      |      | 5/18/91 | RW   |
|              | G) Safety Off Force                                         | 3        | 3    | 3    |      |      | 5/18/91 | RW   |
|              | H) Trigger Pull Test & Retainability                        |          |      |      |      |      | 5-17-91 | DH   |
|              | I) Firing Pin Indent                                        | .021     | .021 | .021 |      |      | 5-17-91 | A    |
|              | J) Assemble Stock                                           |          |      |      |      |      | 5/18/91 | RW   |
|              | K) Assemble Swivel Studs                                    |          |      |      |      |      | 5-21-91 | DH   |
|              | L) Attach Front and Rear Sight Assemblies                   |          |      |      |      |      | 5/18/91 | RW   |
|              | M) Iron Sight Alignment                                     |          |      |      |      |      | 5/18/91 | RW   |
|              | N) Detach Front & Rear Sights & place in numbered container |          |      |      |      |      | 5/18/91 | RW   |
|              | O) Attach Scope to Rifle                                    |          |      |      |      |      | 5/18/91 | RW   |
|              | P) Detach & Attach Scope 20 Times                           |          |      |      |      |      | 5/18/91 | RW   |
| 640          | Gallery Target & Test                                       |          |      |      |      |      | 5-20-91 | VF   |
|              | A) Time                                                     |          |      |      |      |      |         | VF   |
|              | B) Malfunctions                                             |          |      |      |      |      |         | VF   |
|              | C) Pierced Primers                                          |          |      |      |      |      |         | VF   |
|              | D) Optical Clarity of Scope                                 |          |      |      |      |      |         | VF   |
| 645          | Inspect for Live Ammo                                       |          |      |      |      |      | 5-20-91 | VF   |
| 655          | Final Inspection                                            |          |      |      |      |      |         |      |
|              | A) Headspace                                                |          |      |      |      |      | 5-21-91 | DH   |
|              | B) Trigger Pull                                             | 2.31     | 2.22 | 2.18 | 2.17 | 2.29 | 5/21/91 | DH   |
|              | C) Function                                                 |          |      |      |      |      | 5-21-91 | DH   |
| 660          | Pack                                                        |          |      |      |      |      | 6-17-91 | VF   |

AVERAGE PULL FORCE BETWEEN  
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C663090

DATE 5-17-91

TESTER DH

|         | 2.50#<br>INITIAL | 2.50# AFTER<br>50 CYCLES | FINAL TEST &<br>TO RESET 2.50# |      | COMMENTS                                                               |
|---------|------------------|--------------------------|--------------------------------|------|------------------------------------------------------------------------|
| PULL #1 | 2.52             | 2.64                     | 2.61                           | 2.31 | MIN. SETTING,<br>NO AVG. OF 5<br>READINGS ACCEPT-<br>ABLE LESS THAN 2# |
| PULL #2 | 2.55             | 2.75                     | 2.58                           | 2.22 |                                                                        |
| PULL #3 | 2.58             | 2.71                     | 2.57                           | 2.18 |                                                                        |
| PULL #4 | 2.65             | 2.59                     | 2.60                           | 2.17 |                                                                        |
| PULL #5 | 2.64             | 2.69                     | 2.53                           | 2.29 |                                                                        |
| TOTAL   |                  |                          |                                |      |                                                                        |
| AVG.    |                  |                          |                                |      |                                                                        |

|         | 3.00#<br>INITIAL | 3.00# AFTER<br>20 CYCLES |  | COMMENTS |
|---------|------------------|--------------------------|--|----------|
| PULL #1 | 3.25             | 3.11                     |  |          |
| PULL #2 | 3.32             | 3.10                     |  |          |
| PULL #3 | 3.10             | 3.19                     |  |          |
| PULL #4 | 3.20             | 3.25                     |  |          |
| PULL #5 | 3.23             | 3.28                     |  |          |
| 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             | 4.05                     |                                | 4.67                                 |
| PULL #2 | 4.26             | 4.17                     |                                | 4.56                                 |
| PULL #3 | 4.28             | 4.30                     |                                | 4.29                                 |
| PULL #4 | 4.25             | 4.13                     |                                | 4.66                                 |
| PULL #5 | 4.15             | 4.15                     |                                | 4.68                                 |
| TOTAL   |                  |                          |                                |                                      |
| AVG.    |                  |                          |                                |                                      |

CENTROIDAL DISTANCE CALCULATIONS  
FOR RIFLE # .06636090  
20 May 1991

CENTROIDAL DISTANCES

|      |   |         |
|------|---|---------|
| 0 TO | 1 | .104389 |
| 1 TO | 2 | .238437 |
| 1 TO | 3 | .404487 |
| 1 TO | 4 | .193259 |
| 1 TO | 5 | .30144  |

5<sup>3</sup>/<sub>4</sub> ←---POA

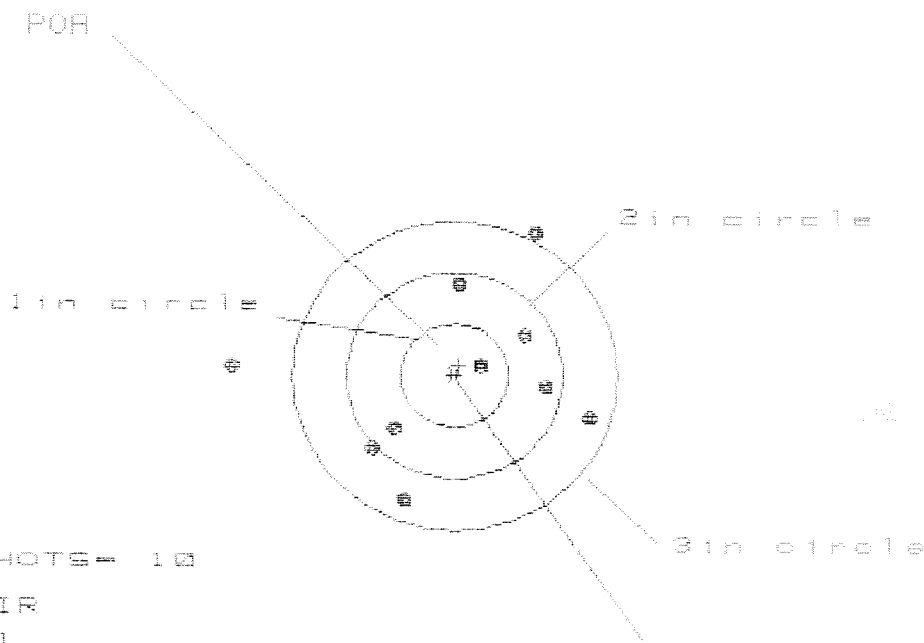
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0324  
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0012  
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0324222

THE AMR FOR THIS RIFLE IS: .9378

28 May 1991

FILE:/PATTERNING/CENTERFIRE\_PATT/C6636090

## CENTERFIRE PATTERNS # 1



# OF SHOTS= 10

# IN CIR

1 in = 1

2 in = 5

3 in = 8

HS= 3.314

VS= 2.606

GS= 3.347

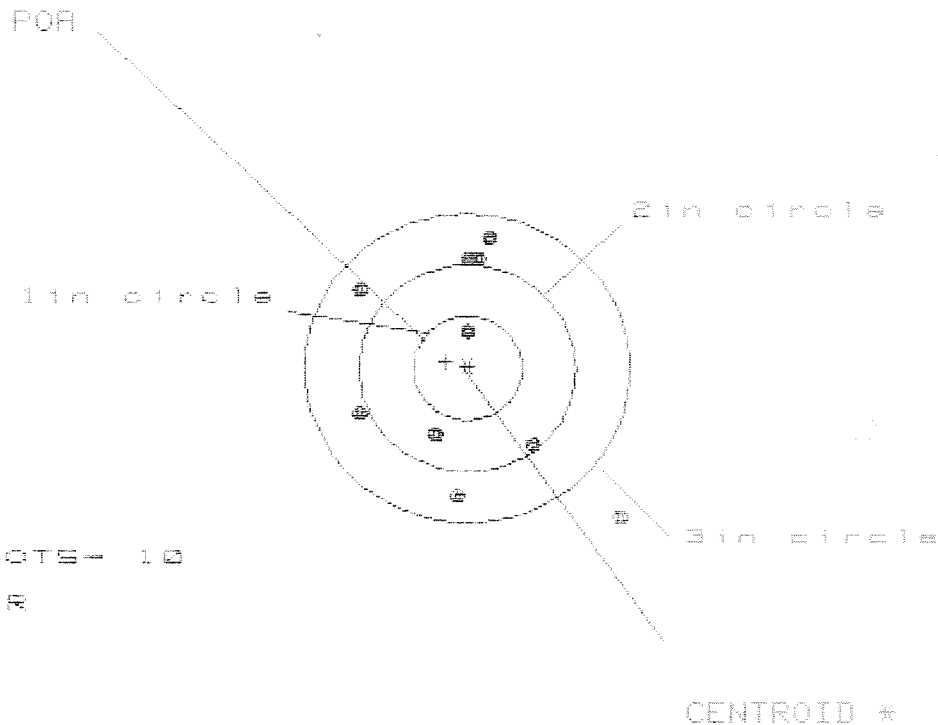
CENTROID #

| PATTERN #                     | 1      | 2      | 3      |
|-------------------------------|--------|--------|--------|
| SHOTS (BEST OF)               | 10     | 9      | 8      |
| MAXIMUM X                     | 1.288  | 1.063  | 1.127  |
| MINIMUM X                     | -2.025 | -1.994 | -1.930 |
| MAXIMUM Y                     | 1.362  | 1.372  | 1.111  |
| MINIMUM Y                     | -1.244 | -1.234 | -1.062 |
| CENTROID X                    | -.041  | .185   | .121   |
| CENTROID Y                    | -.096  | -.106  | -.278  |
| POA TO CENTROID in.           | .104   | .213   | .303   |
| MIN RADIUS                    | .240   | .097   | .276   |
| MEAN RADIUS                   | 1.074  | .924   | .874   |
| MAX RADIUS                    | 2.028  | 1.462  | 1.224  |
| HORIZONTAL SPREAD             | 3.314  | 2.057  | 2.057  |
| VERTICAL SPREAD               | 2.606  | 2.606  | 2.173  |
| EXTREME SPREAD                | 3.347  | 2.859  | 2.233  |
| NUMBER IN ONE INCH CIRCLE =   | 1      |        |        |
| NUMBER IN TWO INCH CIRCLE =   | 5      |        |        |
| NUMBER IN THREE INCH CIRCLE = | 8      |        |        |

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## CENTERFIRE PATTERNS # 2



# OF SHOTS- 10

# IN CIR

1in = 1

2in = 2

3in = 8

HS= 2.428

VS= 2.662

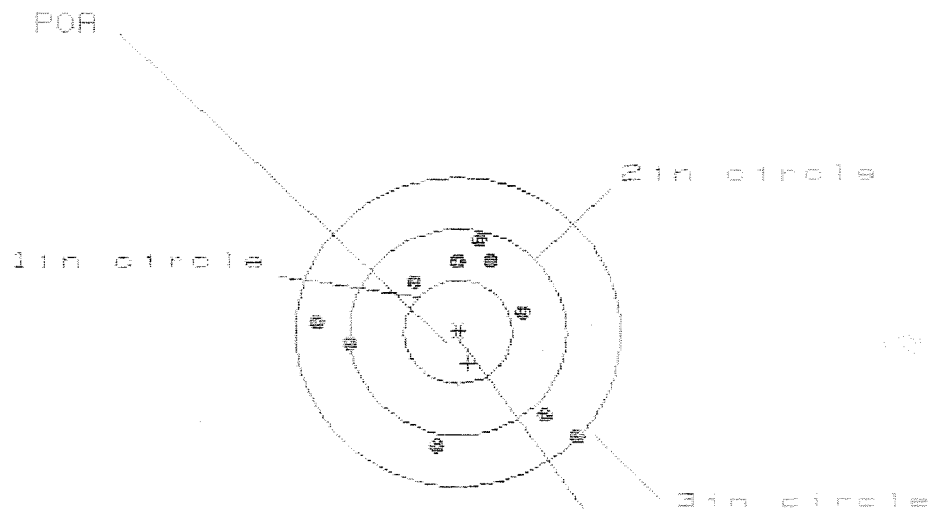
GS= 3.273

| PATTERN #                     | 2      | 9      | 8      |
|-------------------------------|--------|--------|--------|
| SHOTS (BEST OF)               | 10     | 9      | 8      |
| MAXIMUM X                     | 1.396  | .805   | .695   |
| MINIMUM X                     | -1.032 | -.876  | -.910  |
| MAXIMUM Y                     | 1.247  | 1.090  | 1.168  |
| MINIMUM Y                     | -1.415 | -1.429 | -1.351 |
| CENTROID X                    | .195   | .039   | .149   |
| CENTROID Y                    | -.062  | .095   | .017   |
| POA TO CENTROID in.           | .204   | .103   | .150   |
| MIN RADIUS                    | .405   | .307   | .333   |
| MEAN RADIUS                   | 1.103  | .973   | .959   |
| MAX RADIUS                    | 1.988  | 1.433  | 1.351  |
| HORIZONTAL SPREAD             | 2.428  | 1.681  | 1.685  |
| VERTICAL SPREAD               | 2.662  | 2.519  | 2.519  |
| EXTREME SPREAD                | 3.273  | 2.531  | 2.531  |
| NUMBER IN ONE INCH CIRCLE =   | 1      |        |        |
| NUMBER IN TWO INCH CIRCLE =   | 2      |        |        |
| NUMBER IN THREE INCH CIRCLE = | 9      |        |        |

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## CENTERFIRE PATTERNS # 3



# OF SHOTS = 10

# IN CIR

1 in = 0

2 in = 6

3 in = 10

HE = 2.224

VS = 2.045

GS = 2.573

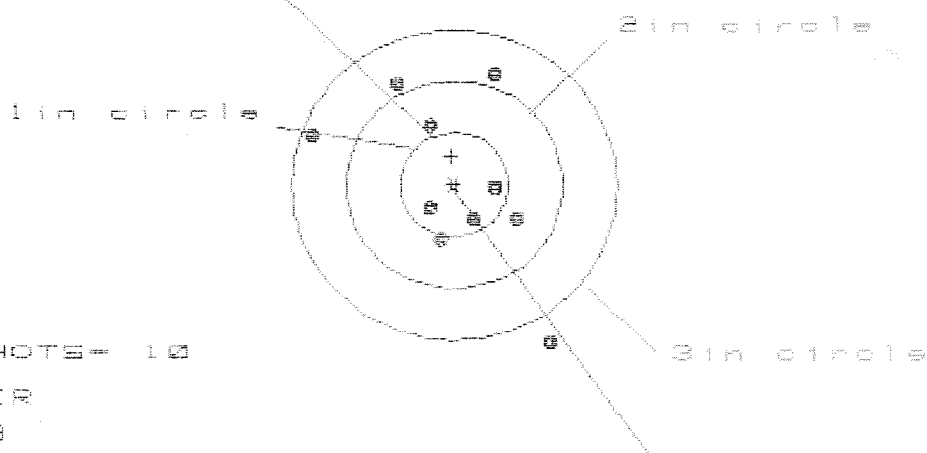
| PATTERN #                     | 1      | 2      | 3      |
|-------------------------------|--------|--------|--------|
| SHOTS (BEST OF)               | 10     | 9      | 8      |
| MAXIMUM X                     | 1.066  | .896   | .754   |
| MINIMUM X                     | -1.258 | -1.140 | -.991  |
| MAXIMUM Y                     | .989   | .795   | .790   |
| MINIMUM Y                     | -1.136 | -1.250 | -1.255 |
| CENTROID X                    | -.094  | -.212  | -.070  |
| CENTROID Y                    | .385   | .419   | .424   |
| POA TO CENTROID in.           | .319   | .470   | .430   |
| MIN RADIUS                    | .614   | .451   | .543   |
| MEAN RADIUS                   | .966   | .879   | .835   |
| MAX RADIUS                    | 1.481  | 1.291  | 1.283  |
| HORIZONTAL SPREAD             | 2.324  | 2.036  | 1.745  |
| VERTICAL SPREAD               | 2.045  | 2.045  | 2.045  |
| EXTREME SPREAD                | 2.573  | 2.222  | 2.085  |
| NUMBER IN ONE INCH CIRCLE =   | 0      | 0      | 0      |
| NUMBER IN TWO INCH CIRCLE =   | 6      | 6      | 6      |
| NUMBER IN THREE INCH CIRCLE = | 10     | 10     | 10     |

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## CENTERFIRE PATTERNS # 4

POR



# OF SHOTS = 10

# IN CIR

1 in = 3

2 in = 6

3 in = 9

HS = 2.190

VS = 2.568

GS = 2.993

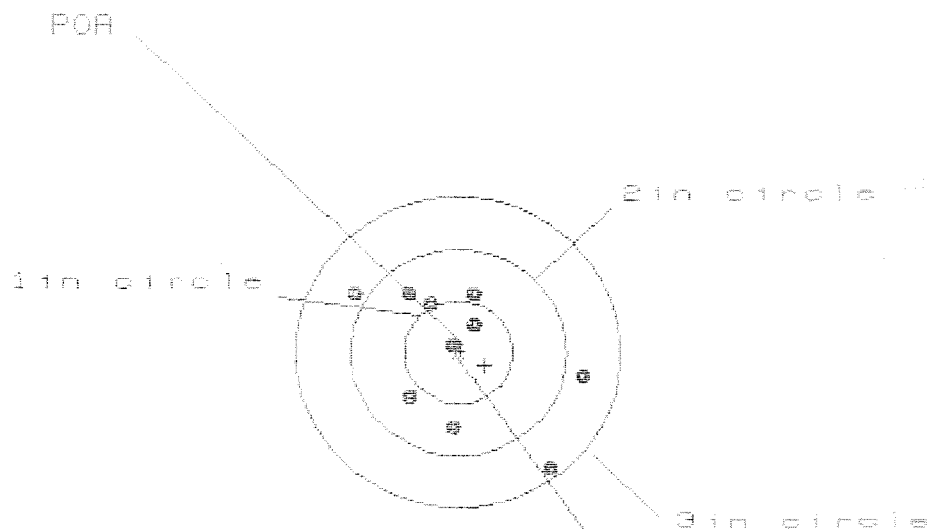
CENTROID #

| PATTERN #                   | 10     | 9      | 8     |
|-----------------------------|--------|--------|-------|
| SHOTS (BEST OF)             | 10     | 9      | 8     |
| MAXIMUM X                   | 1.896  | 1.643  | .494  |
| MINIMUM X                   | -1.294 | -1.194 | -.529 |
| MAXIMUM Y                   | 1.031  | .860   | .901  |
| MINIMUM Y                   | -1.537 | -.695  | -.653 |
| CENTROID X                  | .024   | -.076  | .073  |
| CENTROID Y                  | -.278  | -.107  | -.149 |
| POR TO CENTROID in.         | .279   | .131   | .166  |
| MIN. RADIUS                 | .336   | .399   | .328  |
| MEAN RADIUS                 | .822   | .731   | .643  |
| MAX. RADIUS                 | 1.779  | 1.239  | 1.003 |
| HORIZONTAL SPREAD           | 2.190  | 1.837  | 1.023 |
| VERTICAL SPREAD             | 2.568  | 1.555  | 1.555 |
| EXTREME SPREAD              | 2.993  | 2.031  | 1.689 |
| NUMBER IN ONE INCH CIRCLE   | = 3    |        |       |
| NUMBER IN TWO INCH CIRCLE   | = 6    |        |       |
| NUMBER IN THREE INCH CIRCLE | = 9    |        |       |

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## CENTERFIRE PATTERNS # 5



# OF SHOTS- 10

# IN CIR

1in = 2

2in = 7

3in = 10

CENTROID \*

HS= 2.101

VS= 1.733

GS= 2.530

| PATTERN #                   | 5      |
|-----------------------------|--------|
| SHOTS (BEST OF)             | 10     |
| MAXIMUM X                   | 1.115  |
| MINIMUM X                   | -.986  |
| MAXIMUM Y                   | .592   |
| MINIMUM Y                   | -1.141 |
| CENTROID X                  | -.246  |
| CENTROID Y                  | .125   |
| POA TO CENTROID in.         | .276   |
| MIN RADIUS                  | .085   |
| MEAN RADIUS                 | .724   |
| MAX RADIUS                  | 1.427  |
| HORIZONTAL SPREAD           | 2.101  |
| VERTICAL SPREAD             | 1.733  |
| EXTREME SPREAD              | 2.530  |
| NUMBER IN ONE INCH CIRCLE = | 2      |

NUMBER IN TWO INCH CIRCLE = 7  
NUMBER IN THREE INCH CIRCLE = 10  
**BARBER - M24 0037590**

**CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER  
KINZER V. REMINGTON**

**BARBER - M24 0037590** **M2400037629**