

CE348978

MODEL 700<sup>TM</sup> M24

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

Action

Barrel Length

Capacity

Order No. **5715**

\*Includes 1 in chamber.

*Remington*



## RECORDS CONTROL SCHEDULE

RECORDS CATEGORY OR TITLE:

611 - ACCOUNTING OPENINGS &

CLOSINGS - 1979

COPY "O" (OFFICIAL) ☒ "X" (EXTRA) ☐

TOTAL RETENTION: MAX. 3 YEARS

1979 - 1982

GS-11050 Rev. 8/78

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER  
KINZER V. REMINGTON

M2400043108

0 III

IGS 8

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

**MODEL 700™ H24**

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

**SERIAL NO.**  
 C6348978

**ORDER NO.**  
 5716

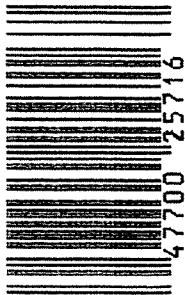
MADE IN ILION, N.Y., U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada. Marque Deposee.

01



5716 C6348978

UPC



0 47700 25716 7



CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6348978

| OP. #        | OP. NAME                                                       | READINGS | DATE    | INIT |
|--------------|----------------------------------------------------------------|----------|---------|------|
| 575 &<br>580 | Assemble Action<br>and Stock                                   | 9 14     | 89      | RW   |
| 600          | Proof                                                          | 9 14     | 89      | RW   |
| 607          | Check Headspace                                                | 9 14     | 89      | RW   |
| 610          | Dis-assemble Gun                                               | 9 14     | 89      | RW   |
| 612          | Magnaflux Barrel<br>Action                                     | 9-14-89  |         | KCR  |
|              | Magnaflux Bolt                                                 | 9-14-89  |         | KCR  |
| 615          | Rollmark Caliber                                               |          | 9-15-89 | GS   |
| 7            | Drill and Tap Sight Holes                                      | 9 15     | 89      | YB   |
| 618          | Polish Barrel                                                  | 9 15     | 89      | BT   |
| 620          | Apply Coatings<br>(Barrel Action)                              |          | 9-15-89 | YB   |
|              | Apply Coating (Bolt)                                           |          |         |      |
| 625          | Final Assembly<br>A) Clean inside of<br>Bolt Assembly          |          | 9/26/89 | RW   |
|              | B) Inspect Rear Firing<br>Pin Hole for Chamfer<br>in Bolt Head |          | 9/26/89 | RW   |
|              | C) Inspect Ejector Hole<br>for Chamfer                         |          | 9/26/89 | RW   |
|              | D) Oil Firing Pin Ass'y                                        |          | 9/26/89 | RW   |
|              | E) Adjust Trigger Pull to<br>Min Setting and Stake             |          | 230/89  | GS   |

| op. #        | OP. NAME                                                    | READINGS |      |      | DATE      | INIT |           |     |
|--------------|-------------------------------------------------------------|----------|------|------|-----------|------|-----------|-----|
| 625<br>cont. | F) Safety On Force                                          | 7        | 7    | 6    | 10/23/89  | gdl  |           |     |
|              | G) Safety Off Force                                         | 3        | 3    | 3    | 10/23/89  | gdl  |           |     |
|              | H) Trigger Pull Test & Retainability                        |          |      |      | 23 Oct 89 | gdl  |           |     |
|              | I) Firing Pin Indent                                        | .0215    | .022 | .022 | 10/23/89  | gdl  |           |     |
|              | J) Assemble Stock                                           |          |      |      | 11/6/89   | RW   |           |     |
|              | K) Assemble Swivel Studs                                    |          |      |      | 11/6/89   | gdl  |           |     |
|              | L) Attach Front and Rear Sight Assemblies                   |          |      |      | 11/6/89   | RW   |           |     |
|              | M) Iron Sight Alignment                                     |          |      |      | 11/6/89   | RW   |           |     |
|              | N) Detach Front & Rear Sights & place in numbered container |          |      |      | 11/6/89   | RW   |           |     |
|              | O) Attach Scope to Rifle                                    |          |      |      | 11-7-89   | gdl  |           |     |
|              | P) Detach & Attach Scope 20 Times                           |          |      |      | 11-7-89   | gdl  |           |     |
| 640          | Gallery Target & Test                                       |          |      |      | 11-8-89   | DH   |           |     |
|              | A) Time                                                     |          |      |      | 11-8-89   | DH   |           |     |
|              | B) Malfunctions                                             |          |      |      | 11-8-89   | DH   |           |     |
|              | C) Pierced Primers                                          |          |      |      | 11-8-89   | DH   |           |     |
|              | D) Optical Clarity of Scope                                 |          |      |      | 11-8-89   | DH   |           |     |
| 645          | Inspect for Live Ammo                                       |          |      |      | 11-8-89   | DH   |           |     |
| 655          | Final Inspection                                            |          |      |      | 10/23/89  | gdl  |           |     |
|              | A) Headspace                                                |          |      |      | 10/23/89  | gdl  |           |     |
|              | B) Trigger Pull                                             | 224      | 239  | 241  | 230       | 238  | 10/23/89  | gdl |
|              | C) Function                                                 |          |      |      |           |      | 10/23/89  | gdl |
| 660          | Pack                                                        |          |      |      |           |      | 14 Dec 89 | gdl |

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN  
INITIAL & CYCLE TESTS

SERIAL NO. 8978

DATE 3-23-90

TESTER JY

TIME ( 2.50# ± .50#  
3.00# ± .75#  
4.00# ± 1.00#

|         | 2.50#<br>INITIAL | 2.50# AFTER<br>50 CYCLES | FINAL TEST &<br>TO RESET 2.50# | COMMENTS          |
|---------|------------------|--------------------------|--------------------------------|-------------------|
| PULL #1 | 2.44             | 2.48                     | 2.50                           | MIN. SETTING,     |
| PULL #2 | 2.53             | 2.51                     | 2.49                           | NO AVG. OF 5      |
| PULL #3 | 2.59             | 2.42                     | 2.45                           | READINGS ACCEPT-  |
| PULL #4 | 2.62             | 2.33                     | 2.40                           | ABLE LESS THAN 2# |
| PULL #5 | 2.37             | 2.52                     | 2.41                           |                   |
| TOTAL   | 12.45            | 12.26                    | 12.25                          |                   |
| AVG.    | 2.49             | 2.452                    | 2.45                           |                   |

|         | 3.00#<br>INITIAL | 3.00# AFTER<br>20 CYCLES | COMMENTS |
|---------|------------------|--------------------------|----------|
| PULL #1 | 3.16             | 3.26                     |          |
| PULL #2 | 3.24             | 3.26                     |          |
| PULL #3 | 3.29             | 3.27                     |          |
| PULL #4 | 3.26             | 3.10                     |          |
| PULL #5 | 3.23             | 3.23                     |          |
| TOTAL   | 16.18            | 16.12                    |          |
| AVG.    | 3.236            | 3.224                    |          |

|         | 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 | 4.37             | 4.20                     |                                |                                      |
| PULL #2 | 4.25             | 4.25                     |                                |                                      |
| PULL #3 | 4.32             | 4.31                     |                                |                                      |
| PULL #4 | 4.08             | 4.11                     |                                |                                      |
| PULL #5 | 4.25             | 4.12                     |                                |                                      |
| TOTAL   | 21.27            | 20.99                    |                                |                                      |
| AVG.    | 4.254            | 4.198                    |                                |                                      |

CENTROIDAL DISTANCE CALCULATIONS  
FOR RIFLE # 06348978  
8 Nov 1989

CENTROIDAL DISTANCES

|      |   |         |
|------|---|---------|
| 0 TO | 1 | .559494 |
| 1 TO | 2 | .851189 |
| 1 TO | 3 | .842232 |
| 1 TO | 4 | 1.13611 |
| 1 TO | 5 | .742097 |

$\pm \frac{1}{2}$  (----) FOR

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1932  
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1198  
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .227329  
THE AMR FOR THIS RIFLE IS: .962

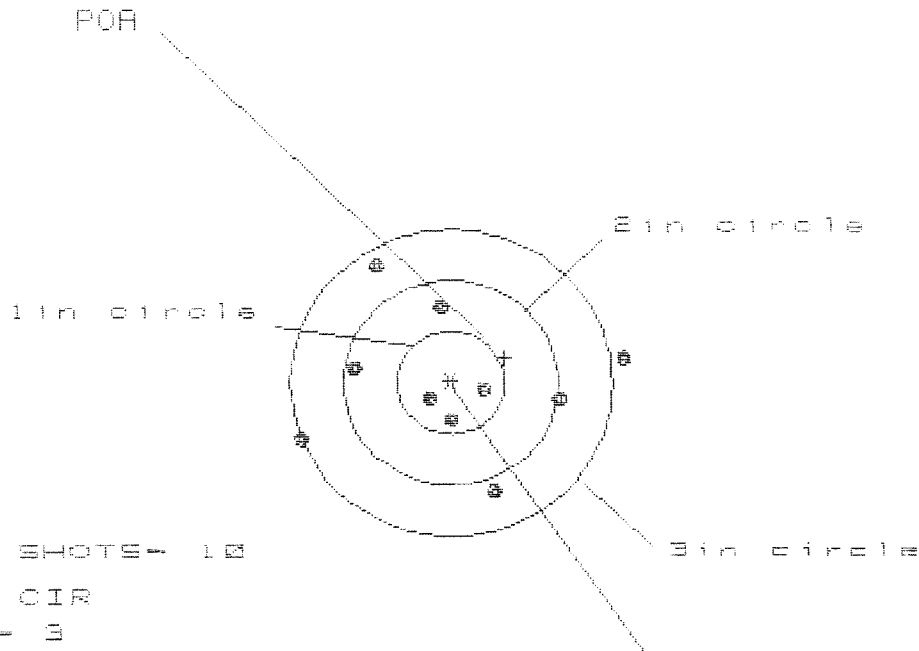


5 NOV 1989

FILE:/PATTERNING/CENTERFIRE\_PATT/06348978

# CENTERFIRE PATTERNS

# 1



# OF SHOTS - 10

# IN CIR

1in = 3

2in = 5

3in = 8

HS = 2.994

VS = 2.245

GS = 3.104

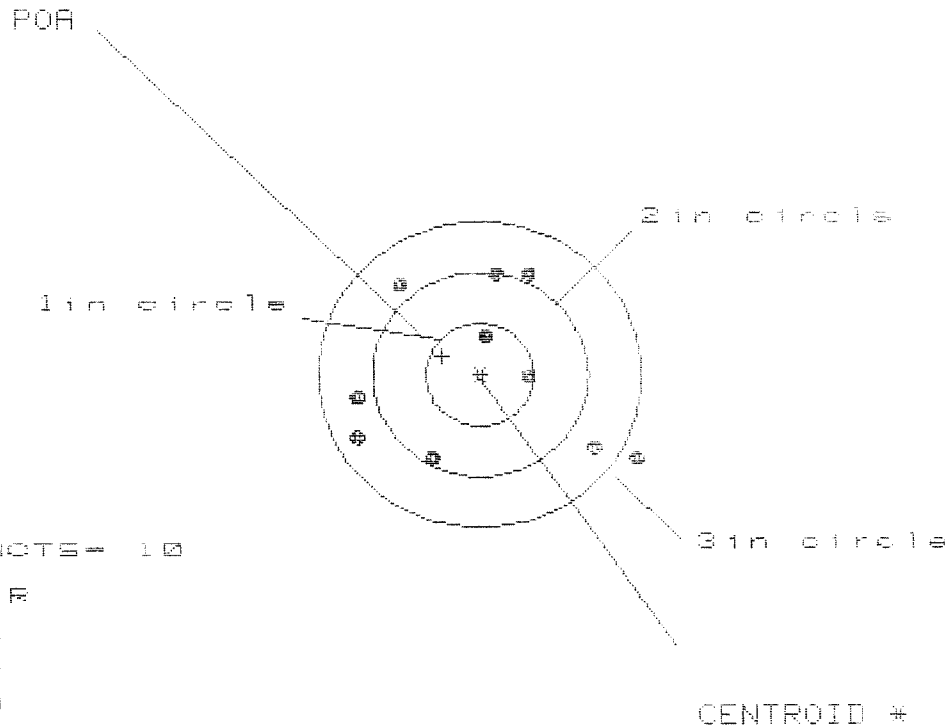
CENTROID #

| PATTERN #                     | 1      | 2      | 3      |
|-------------------------------|--------|--------|--------|
| SHOTS (BEST OF)               | 10     | 9      | 8      |
| MAXIMUM X                     | 1.575  | 1.130  | .974   |
| MINIMUM X                     | -1.419 | -1.244 | -.845  |
| MAXIMUM Y                     | 1.147  | 1.179  | 1.117  |
| MINIMUM Y                     | -1.098 | -1.066 | -1.128 |
| CENTROID X                    | -.503  | -.678  | -.522  |
| CENTROID Y                    | -.245  | -.277  | -.215  |
| POA TO CENTROID in.           | .559   | .732   | .565   |
| MIN RADIUS                    | .295   | .178   | .313   |
| MEAN RADIUS                   | .917   | .834   | .760   |
| MAX RADIUS                    | 1.601  | 1.340  | 1.281  |
| HORIZONTAL SPREAD             | 2.994  | 2.374  | 1.819  |
| VERTICAL SPREAD               | 2.245  | 2.245  | 2.245  |
| EXTREME SPREAD                | 3.104  | 2.463  | 2.463  |
| NUMBER IN ONE INCH CIRCLE =   | 3      |        |        |
| NUMBER IN TWO INCH CIRCLE =   | 5      |        |        |
| NUMBER IN THREE INCH CIRCLE = | 8      |        |        |

8 Nov 1985

FILE:/PATTERNING/CENTERFIRE\_PATT/08348378

# CENTERFIRE PATTERNS # 2



# OF SHOTS = 10

# IN CIR

1in = 2

2in = 4

3in = 8

HS = 2.621

VS = 1.809

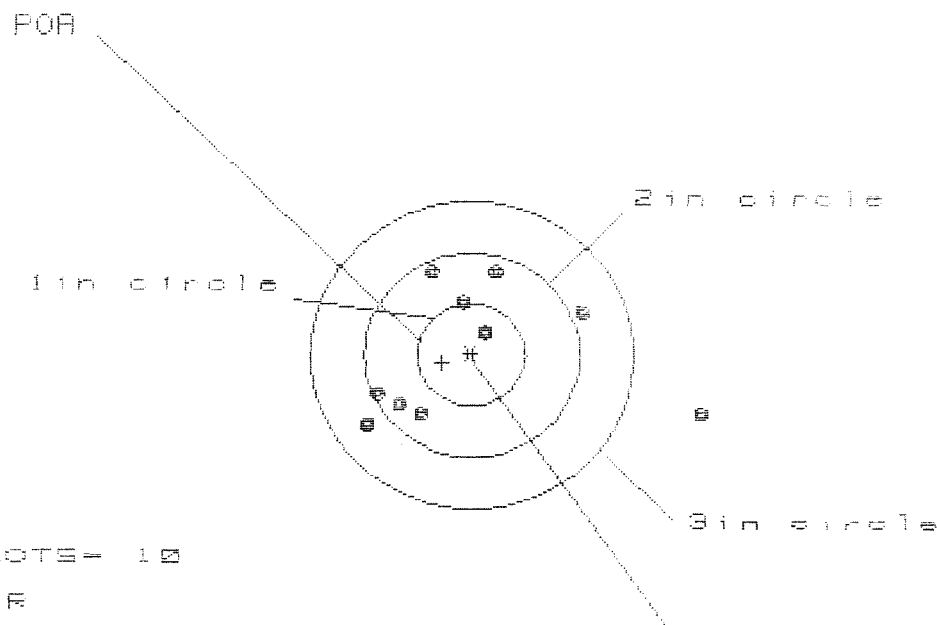
GS = 2.832

| PATTERN #                     | 2      |        |        |
|-------------------------------|--------|--------|--------|
| SHOTS (BEST OF)               | 10     | 9      | 8      |
| MAXIMUM X                     | 1.430  | 1.207  | .886   |
| MINIMUM X                     | -1.191 | -1.032 | -.881  |
| MAXIMUM Y                     | .959   | .865   | .759   |
| MINIMUM Y                     | -.850  | -.898  | -1.004 |
| CENTROID X                    | .346   | .187   | .036   |
| CENTROID Y                    | -.184  | -.090  | .016   |
| POA TO CENTROID in.           | .392   | .207   | .039   |
| MIN RADIUS                    | .364   | .341   | .399   |
| MEAN RADIUS                   | 1.038  | .958   | .888   |
| MAX RADIUS                    | 1.664  | 1.474  | 1.141  |
| HORIZONTAL SPREAD             | 2.621  | 2.239  | 1.687  |
| VERTICAL SPREAD               | 1.809  | 1.763  | 1.763  |
| EXTREME SPREAD                | 2.832  | 2.478  | 2.248  |
| NUMBER IN ONE INCH CIRCLE =   |        | 2      |        |
| NUMBER IN TWO INCH CIRCLE =   |        | 4      |        |
| NUMBER IN THREE INCH CIRCLE = |        | 9      |        |

8 Nov 1988

FILE:/PATTERNING/CENTERFIRE\_PATT/0634B878

# CENTERFIRE PATTERNS # 3



# OF SHOTS= 10

# IN CIR

1in = 2

2in = 7

3in = 9

HS= 3.032

VS= 1.536

QS= 3.033

CENTROID #

| PATTERN #                     | 3     | 3     | 3     |
|-------------------------------|-------|-------|-------|
| SHOTS (BEST OF)               | 10    | 9     | 8     |
| MAXIMUM X                     | 2.107 | 1.212 | 1.126 |
| MINIMUM X                     | -.925 | -.691 | -.718 |
| MAXIMUM Y                     | .854  | .785  | .691  |
| MINIMUM Y                     | -.682 | -.751 | -.732 |
| CENTROID X                    | .274  | .040  | .126  |
| CENTROID Y                    | .088  | .149  | .243  |
| POA TO CENTROID in.           | .285  | .154  | .273  |
| MIN RADIUS                    | .235  | .380  | .273  |
| MEAN RADIUS                   | .947  | .774  | .725  |
| MAX RADIUS                    | 2.197 | 1.252 | 1.147 |
| HORIZONTAL SPREAD             | 3.032 | 1.903 | 1.844 |
| VERTICAL SPREAD               | 1.536 | 1.536 | 1.423 |
| EXTREME SPREAD                | 3.033 | 2.180 | 1.983 |
| NUMBER IN ONE INCH CIRCLE =   |       | 2     |       |
| NUMBER IN TWO INCH CIRCLE =   |       | 7     |       |
| NUMBER IN THREE INCH CIRCLE = |       | 9     |       |

8 Nov 1989

FILE:/PATTERNING/CENTERFIRE\_PATT/06348978

# CENTERFIRE PATTERNS

# 4

POA

1 in circle

2 in circle

3 in circle

CENTROID #

# OF SHOTS= 10

# IN CIR

1 in = 3

2 in = 5

3 in = 10

HS= 1.694

VS= 2.538

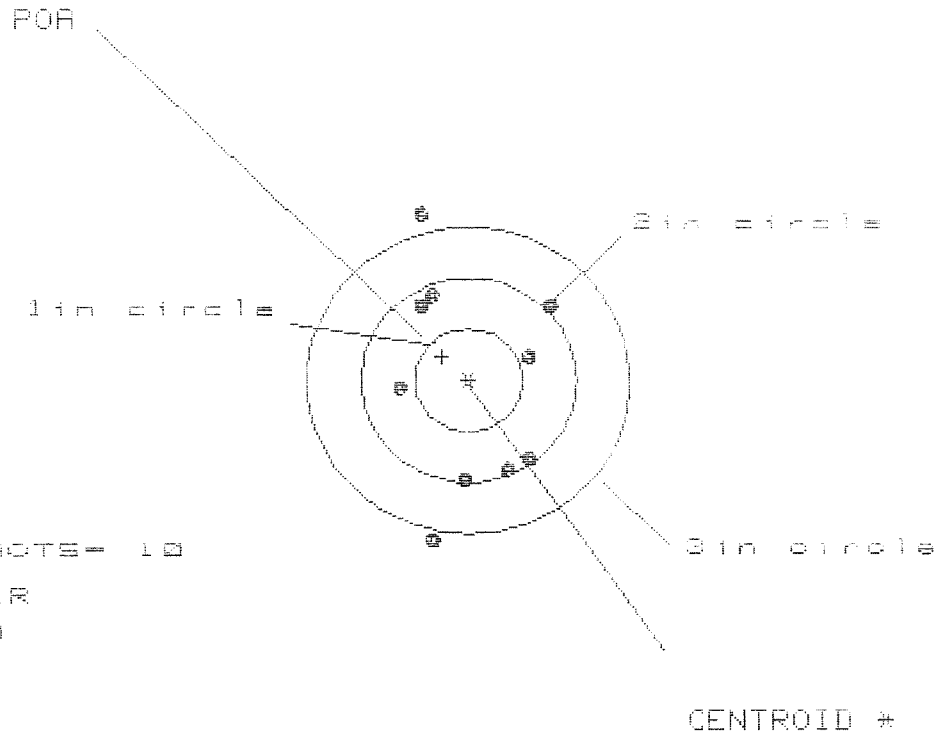
GS= 2.597

|                             |   |        |        |       |
|-----------------------------|---|--------|--------|-------|
| PATTERN #                   | : | 4      |        |       |
| SHOTS (BEST OF)             | : | 10     | 9      | 8     |
| MAXIMUM X                   | : | .913   | .900   | .952  |
| MINIMUM X                   | : | -.781  | -.794  | -.742 |
| MAXIMUM Y                   | : | 1.344  | 1.263  | 1.133 |
| MINIMUM Y                   | : | -1.194 | -1.045 | -.898 |
| CENTROID X                  | : | .610   | .623   | .571  |
| CENTROID Y                  | : | -.017  | -.166  | -.036 |
| POA TO CENTROID in.         | : | .610   | .645   | .572  |
| MIN RADIUS                  | : | .272   | .316   | .252  |
| MEAN RADIUS                 | : | .886   | .815   | .777  |
| MAX RADIUS                  | : | 1.349  | 1.309  | 1.200 |
| HORIZONTAL SPREAD           | : | 1.694  | 1.694  | 1.694 |
| VERTICAL SPREAD             | : | 2.538  | 2.308  | 2.031 |
| EXTREME SPREAD              | : | 2.597  | 2.328  | 2.328 |
| NUMBER IN ONE INCH CIRCLE   | = |        | 3      |       |
| NUMBER IN TWO INCH CIRCLE   | = |        | 5      |       |
| NUMBER IN THREE INCH CIRCLE | = |        | 10     |       |

8 Nov 1985

FILE:/PATTERNING/CENTERFIRE\_PATT/0634B978

# CENTERFIRE PATTERNS # 5



# OF SHOTS = 10

# IN CIR

1 in = 0

2 in = 7

3 in = 8

HS = 1.437

VS = 3.216

GS = 3.216

| PATTERN #                     | 5      |        |       |
|-------------------------------|--------|--------|-------|
| SHOTS (BEST OF)               | 10     | 9      | 8     |
| MAXIMUM X                     | .755   | .711   | .660  |
| MINIMUM X                     | -.692  | -.726  | -.777 |
| MAXIMUM Y                     | 1.659  | .998   | .826  |
| MINIMUM Y                     | -1.557 | -1.372 | -.948 |
| CENTROID X                    | .239   | .283   | .334  |
| CENTROID Y                    | -.233  | -.418  | -.246 |
| POA TO CENTROID in.           | .334   | .504   | .415  |
| MIN RADIUS                    | .611   | .657   | .527  |
| MEAN RADIUS                   | 1.022  | .933   | .859  |
| MAX RADIUS                    | 1.705  | 1.433  | 1.010 |
| HORIZONTAL SPREAD             | 1.437  | 1.437  | 1.437 |
| VERTICAL SPREAD               | 3.216  | 2.370  | 1.774 |
| EXTREME SPREAD                | 3.216  | 2.566  | 1.868 |
| NUMBER IN ONE INCH CIRCLE =   |        | 0      |       |
| NUMBER IN TWO INCH CIRCLE =   |        | 7      |       |
| NUMBER IN THREE INCH CIRCLE = |        | 8      |       |

Number: **C6348978**



RE00021304

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # c6348978  
24 Feb 2001

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1428

THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.142

THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .201385

THE AMR FOR THIS RIFLE IS: .8724

# CENTROIDAL DISTANCES

|      |   |         |
|------|---|---------|
| 0 TO | 1 | .387363 |
| 1 TO | 2 | .302927 |
| 1 TO | 3 | .636624 |
| 1 TO | 4 | .417996 |
| 1 TO | 5 | .659826 |

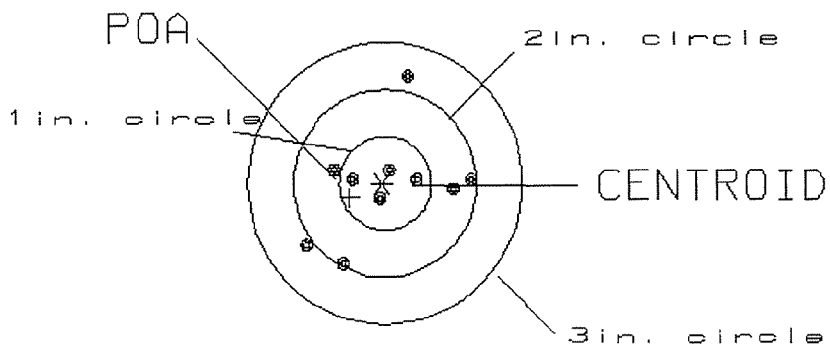
5 + <sup>1</sup><sub>4 2</sub> <----POA  
3

PATTERN #: ☐ 1 ☐  
 POA TO CENTROID: .387  
 MIN RADIUS : .108  
 MEAN RADIUS : .634  
 MAX RADIUS : 1.125  
 CENTROID X : .355  
 CENTROID Y : .155

24 Feb 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire\_Patt/c6348978

# CENTERFIRE PATTERN # 1



# OF SHOTS= 10

# IN CIRCLE

HS= 1.77

4

VS= 1.93

6

GS= 2.02

10



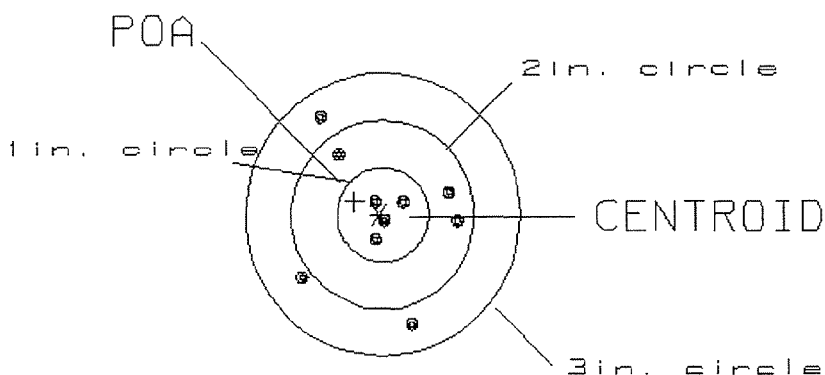
PATTERN #: ☐ 2 ☐

POA TO CENTROID: .314  
 MIN RADIUS : .068  
 MEAN RADIUS : .678  
 MAX RADIUS : 1.239  
 CENTROID X : .282  
 CENTROID Y : -.139

24 Feb 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire\_Patt/c6348978

# CENTERFIRE PATTERN # 2



# OF SHOTS= 10

# IN CIRCLE

HS= 1.65

4

VS= 2.24

7

GS= 2.45

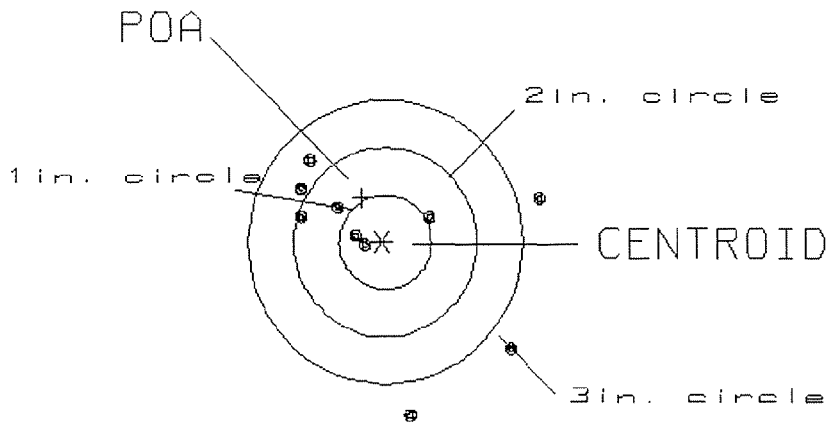
10

PATTERN #: 3  
 POA TO CENTROID: .519  
 MIN RADIUS : .196  
 MEAN RADIUS : 1.032  
 MAX RADIUS : 1.848  
 CENTROID X : .224  
 CENTROID Y : -.468

24 Feb 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire\_Patt/c6348978

# CENTERFIRE PATTERN # 3



# OF SHOTS= 10

# IN CIRCLE

HS= 2.62  
 VS= 2.72  
 GS= 2.93

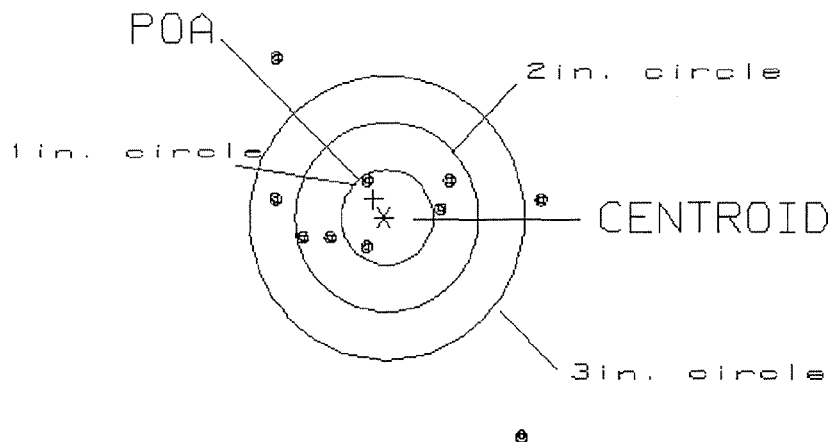
2  
 5  
 7

PATTERN #: ☐ 4 ☐  
 POA TO CENTROID: .224  
 MIN RADIUS : .350  
 MEAN RADIUS : 1.138  
 MAX RADIUS : 2.703  
 CENTROID X : .119  
 CENTROID Y : -.190

24 Feb 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire\_Patt/c6348978

# CENTERFIRE PATTERN # 4



# OF SHOTS= 10

# IN CIRCLE

HS= 2.87

2

VS= 3.99

6

GS= 4.82

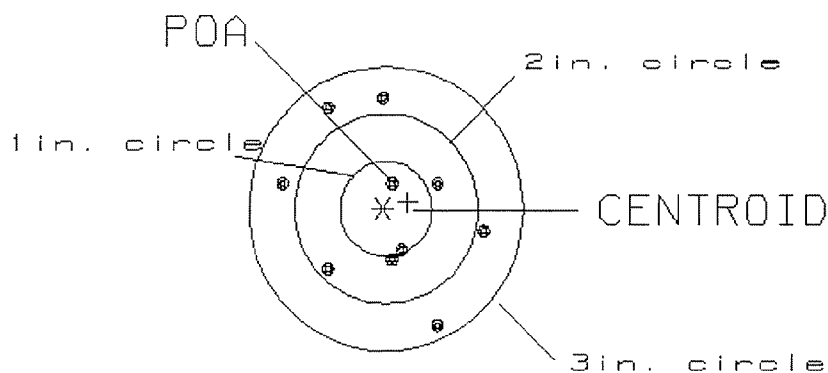
7

PATTERN #: 5  
 POA TO CENTROID: .274  
 MIN RADIUS : .254  
 MEAN RADIUS : .880  
 MAX RADIUS : 1.358  
 CENTROID X : -.266  
 CENTROID Y : -.068

24 Feb 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire\_Patt/c6348978

# CENTERFIRE PATTERN # 5



# OF SHOTS= 10

# IN CIRCLE

HS= 2.19

2

VS= 2.44

5

GS= 2.63

10

## Final Inspection

Sn: C-6348978

DATE REC'D: 1-22-01

DATE RET'D:

Auditor CK.

Item:

Barrel Assy.

- ☒ BARREL
- ☒ RECEIVER
- ☒ FRONT SIGHT BLOCK
- ☒ REAR SIGHT BLOCK
- ☒ SCREWS
- ☒ FINISH

Scope Assy.

- ☒ Scope
- ☒ Scope Rings
- ☒ Mounting Screws
- ☒ Mounting Base
- ☒ SCREWS
- ☒ FINISH
- ☒ Looseness
- ☒ CLARITY

Misc.

- ☐ DD-250
- ☐ BAR CODE
- ☐ PACKAGING

Item:

Stock Assy.

- ☒ Stock
- ☒ Sling Swivel Studs
- ☒ ADJUSTABLE BUTT PLATE
- ☒ LOCK NUTS
- ☒ BARREL CLEARANCE
- ☒ COLOR/FINISH

Systems Case

- ☐ Scope Case
- ☐ Iron SIGHTS
- ☐ Deployment Kit

Trigger

- ☒ SAFETY OPERATION
- ☒ SET

Comments: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**M-24 INSPECTION CHECKLIST**  
**CONTRACT #: DAAE-20-97-C-242**

|                                       |                          |                  |                |
|---------------------------------------|--------------------------|------------------|----------------|
| <b>R &amp; E NUMBER</b> <i>21304</i>  |                          |                  |                |
| <b>SERIAL NUMBER</b> <i>C-6348928</i> |                          |                  |                |
| <b>LOG-IN DATE</b>                    |                          |                  |                |
| <b>INSPECT AND VERIFY:</b>            |                          |                  |                |
| <b>OPERATION #</b>                    | <b>OPERATION NAME</b>    | <b>DATE</b>      | <b>INITIAL</b> |
| 550                                   | DIS-ASSEMBLE GUN         | <i>1-27-01</i>   | <i>CK</i>      |
| 560 A                                 | RE-BARREL AT CUSTOM SHOP |                  |                |
| B                                     | DRILL AND TAP            |                  |                |
| C                                     | POLISH                   |                  |                |
| 575                                   | ASSEMBLE                 |                  |                |
| 600                                   | PROOF                    | <i>1-30-01</i>   | <i>CK</i>      |
| 605                                   | CHECK HEADSPACE          | <i>1-30-01</i>   | <i>CK</i>      |
| 610                                   | DIS-ASSEMBLE GUN         |                  |                |
| 612                                   | MAGNAFLUX                |                  |                |
| 615                                   | ROLLMARK CALIBER         |                  |                |
| 618                                   | ROTO-BLAST               |                  |                |
| 620                                   | APPLY COATINGS           |                  |                |
| 625 A                                 | FINAL ASSEMBLY           |                  |                |
| B                                     | TRIGGER PULL TEST        |                  |                |
| C                                     | SAFETY "ON" FORCE        |                  |                |
| D                                     | SAFETY "OFF" FORCE       |                  |                |
| E                                     | FIRING PIN INDENT        |                  |                |
| 640                                   | TARGET                   | <i>2-7-01</i>    | <i>CK</i>      |
| 655                                   | FINAL INSPECT            | <i>2-12-01</i>   | <i>CK</i>      |
| 660                                   | PACK                     |                  |                |
|                                       |                          | <b>SHIP DATE</b> |                |
| <b>QAR INSPECTION DATE</b>            |                          |                  |                |