

C6348821

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5715**

\*Includes 1 in chamber.

**Remington.**

M2400039038

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER  
KINZER V. REMINGTON

*Sweet's*




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

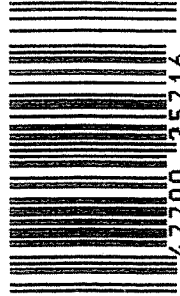
MODEL 700™ H24

SERIAL NO.  
C6348821

ORDER NO.  
5716

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

UPC



0 47700 25716 7



5716 C6348821

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6348821

| OP. #     | OP. NAME                                                 | READINGS | DATE    | INIT |
|-----------|----------------------------------------------------------|----------|---------|------|
| 575 & 580 | Assemble Action and Stock                                | 8 11     | 89      | RW   |
| 600       | Proof                                                    | 8 11     | 89      | RW   |
| 607       | Check Headspace                                          | 8 11     | 89      | RW   |
| 610       | Dis-assemble Gun                                         |          |         | RW   |
| 612       | Magnaflux Barrel Action                                  |          | 8/15/89 | KCR  |
|           | Magnaflux Bolt                                           |          | 8/15/89 | KCR  |
| 615       | Rollmark Caliber                                         |          | 8/15/89 | JL   |
| 7         | Drill and Tap Sight Holes                                | 8 16     | 89      |      |
| 618       | Polish Barrel RB                                         | 8 16     | 89      |      |
| 620       | Apply Coatings (Barrel Action)                           |          | 8-19-89 | TJA  |
|           | Apply Coating (Bolt)                                     |          |         |      |
| 625       | Final Assembly                                           |          |         |      |
|           | A) Clean inside of Bolt Assembly                         |          | 8/21/89 | RW   |
|           | B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head |          | 8/21/89 | RW   |
|           | C) Inspect Ejector Hole for Chamfer                      |          | 8/21/89 | RW   |
|           | D) Oil Firing Pin Ass'y                                  |          | 8/21/89 | RW   |
|           | E) Adjust Trigger Pull to Min Setting and Stake          |          | 8/23/89 | JCP  |

| op. #        | OP. NAME                                                    | READINGS |      |      |      |      | DATE       | INIT |
|--------------|-------------------------------------------------------------|----------|------|------|------|------|------------|------|
| 625<br>cont. | F) Safety On Force                                          | 7        | 6    | 6    |      |      | 23 Aug 89  | JS   |
|              | G) Safety Off Force                                         | 4        | 4    | 4    |      |      | 23 Aug 89  | JS   |
|              | H) Trigger Pull Test & Retainability                        |          |      |      |      |      | 23 Aug 89  | JS   |
|              | I) Firing Pin Indent                                        | 0205     | 0205 | 0205 |      |      | 23 Aug 89  | JS   |
|              | J) Assemble Stock                                           |          |      |      |      |      | 8/23/89    | RW   |
|              | K) Assemble Swivel Studs                                    |          |      |      |      |      | 28 Aug 89  | JS   |
|              | L) Attach Front and Rear Sight Assemblies                   |          |      |      |      |      | 8/23/89    | RW   |
|              | M) Iron Sight Alignment                                     |          |      |      |      |      | 8/23/89    | RW   |
|              | N) Detach Front & Rear Sights & place in numbered container |          |      |      |      |      | 8/23/89    | RW   |
|              | O) Attach Scope to Rifle                                    |          |      |      |      |      | 23 Aug 89  | JS   |
|              | P) Detach & Attach Scope 20 Times                           |          |      |      |      |      | 23 Aug 89  | JS   |
| 640          | Gallery Target & Test                                       | 74 R     | 76 L |      |      |      | 8-25-89    | DH   |
|              | A) Time                                                     |          |      |      |      |      | 8-25-89    | DH   |
|              | B) Malfunctions                                             |          |      |      |      |      | 8-25-89    | DH   |
|              | C) Pierced Primers                                          |          |      |      |      |      | 8-25-89    | DH   |
|              | D) Optical Clarity of Scope                                 |          |      |      |      |      | 8-25-89    | DH   |
| 645          | Inspect for Live Ammo                                       |          |      |      |      |      | 8-25-89    | DH   |
| 655          | Final Inspection                                            |          |      |      |      |      |            |      |
|              | A) Headspace                                                |          |      |      |      |      | 28 Aug 89  | JS   |
|              | B) Trigger Pull                                             | 2.67     | 2.73 | 2.79 | 2.75 | 2.77 | 28 Aug 89  | JS   |
|              | C) Function                                                 |          |      |      |      |      | 28 Aug 89  | JS   |
| 660          | Pack                                                        |          |      |      |      |      | 20 Sept 89 | JS   |

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN  
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. 66348821

DATE 4/11/90

TESTER RW

|         | 2.50#<br>INITIAL | 2.50# AFTER<br>50 CYCLES | FINAL TEST &<br>TO RESET 2.50# | COMMENTS                                                               |
|---------|------------------|--------------------------|--------------------------------|------------------------------------------------------------------------|
| PULL #1 | 2.42             | 2.57                     | 2.47                           | MIN. SETTING,<br>NO AVG. OF 5<br>READINGS ACCEPT-<br>ABLE LESS THAN 2# |
| PULL #2 | 2.46             | 2.62                     | 2.38                           |                                                                        |
| PULL #3 | 2.52             | 2.41                     | 2.33                           |                                                                        |
| PULL #4 | 2.40             | 2.37                     | 2.26                           |                                                                        |
| PULL #5 | 2.38             | 2.33                     | 2.24                           |                                                                        |
| TOTAL   | 12.18            | 12.30                    | 11.68                          |                                                                        |
| AVG.    | 2.44             | 2.46                     | 2.34                           |                                                                        |

|         | 3.00#<br>INITIAL | 3.00# AFTER<br>20 CYCLES | COMMENTS |
|---------|------------------|--------------------------|----------|
| PULL #1 | 3.19             | 3.17                     |          |
| PULL #2 | 3.10             | 3.15                     |          |
| PULL #3 | 3.08             | 3.09                     |          |
| PULL #4 | 3.12             | 3.03                     |          |
| PULL #5 | 3.09             | 3.02                     |          |
| TOTAL   | 15.58            | 15.46                    |          |
| AVG.    | 3.12             | 3.09                     |          |

|         | 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 | 4.20             | 4.13                     |                                |                                      |
| PULL #2 | 4.11             | 4.09                     |                                |                                      |
| PULL #3 | 4.09             | 4.08                     |                                |                                      |
| PULL #4 | 4.04             | 4.10                     |                                |                                      |
| PULL #5 | 4.02             | 4.07                     |                                |                                      |
| TOTAL   | 20.46            | 20.47                    |                                |                                      |
| AVG.    | 4.09             | 4.09                     |                                |                                      |

CENTROIDAL DISTANCE CALCULATIONS  
FOR RIFLE # 06348821  
28 Aug 1989

CENTROIDAL DISTANCES

|      |   |         |
|------|---|---------|
| 0 TO | 1 | .518337 |
| 1 TO | 2 | .445439 |
| 1 TO | 3 | .559242 |
| 1 TO | 4 | .134112 |
| 1 TO | 5 | 1.21318 |

4 5 <----POB

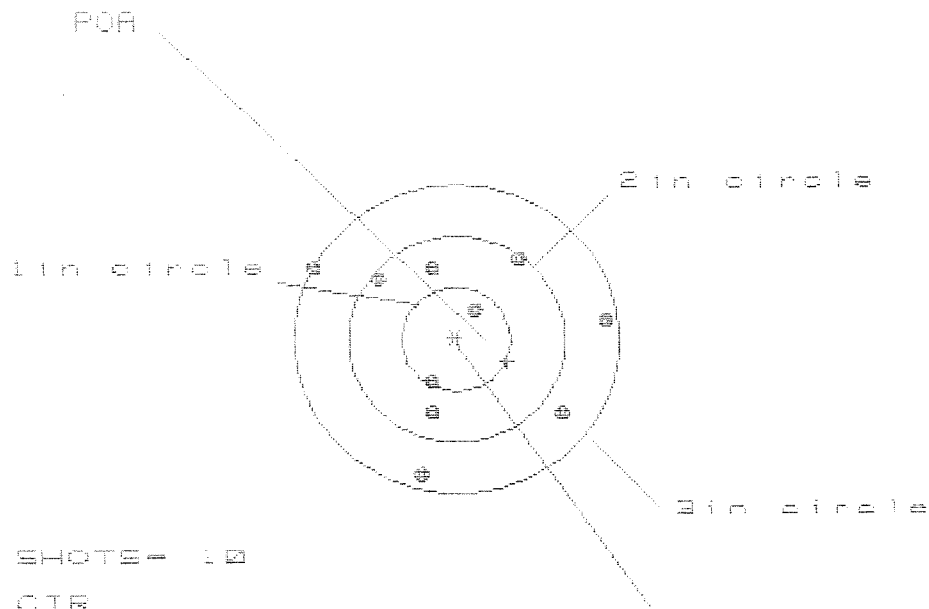
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0568  
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0728  
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0923368

THE AMR FOR THIS RIFLE IS: 1.021

25 AUG 1988

FILE:/PATTERNING/CENTERFIRE\_PATT/C634B821

# CENTERFIRE PATTERNS # 1



# OF SHOTS = 10

# IN CIR

1in = 2

2in = 6

3in = 10

HS = 2.633

VS = 2.129

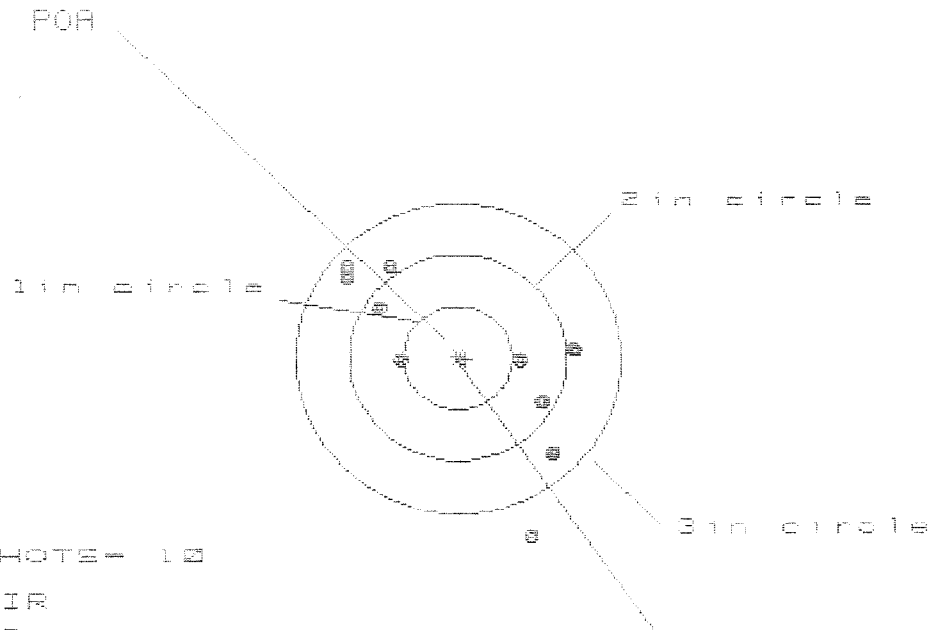
GS = 2.675

|                               |   |        |        |       |
|-------------------------------|---|--------|--------|-------|
| PATTERN #                     | : | 1      |        |       |
| SHOTS (BEST OF)               | : | 10     | 9      | 8     |
| MAXIMUM X                     | : | 1.326  | 1.182  | 1.119 |
| MINIMUM X                     | : | -1.299 | -.869  | -.532 |
| MAXIMUM Y                     | : | .783   | .860   | .701  |
| MINIMUM Y                     | : | -1.346 | -1.269 | -.841 |
| CENTROID X                    | : | -.473  | -.329  | -.266 |
| CENTROID Y                    | : | .212   | .135   | .294  |
| FOR TO CENTROID in.           | : | .518   | .356   | .387  |
| MIN RADIUS                    | : | .317   | .328   | .165  |
| MEAN RADIUS                   | : | .948   | .890   | .810  |
| MAX RADIUS                    | : | 1.469  | 1.364  | 1.124 |
| HORIZONTAL SPREAD             | : | 2.625  | 2.051  | 2.051 |
| VERTICAL SPREAD               | : | 2.129  | 2.129  | 1.542 |
| EXTREME SPREAD                | : | 2.675  | 2.326  | 2.153 |
| NUMBER IN ONE INCH CIRCLE =   |   |        | 2      |       |
| NUMBER IN TWO INCH CIRCLE =   |   |        | 6      |       |
| NUMBER IN THREE INCH CIRCLE = |   |        | 10     |       |

25 Aug 1988

FILE:/PATTERNING/CENTERFIRE\_PATT/C834B821

# CENTERFIRE PATTERNS # 2



# OF SHOTS = 10

# IN CIR

1in = 0

2in = 4

3in = 9

HS = 2.088

VS = 2.578

GS = 3.102

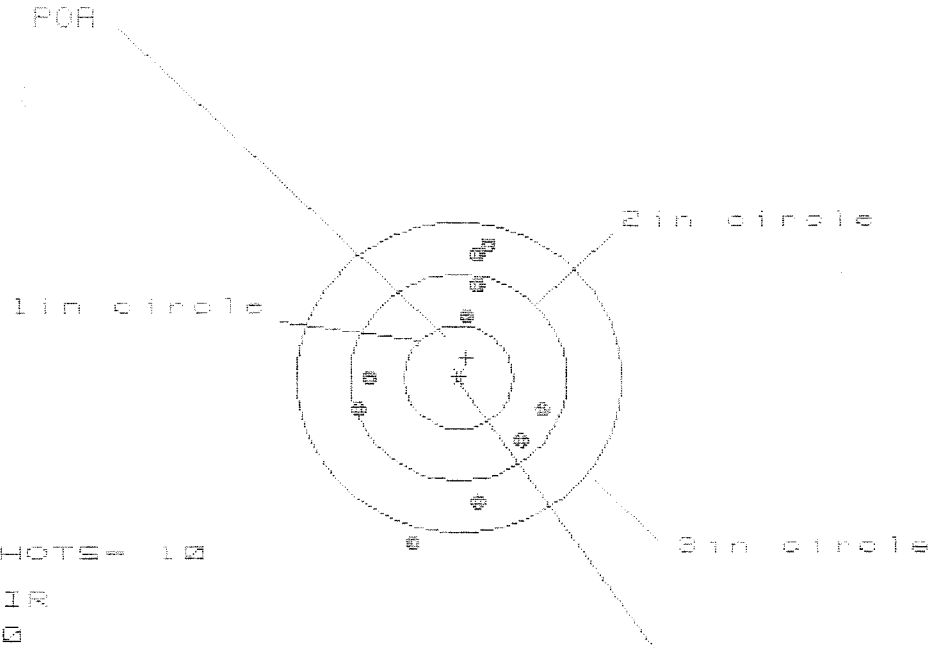
CENTROID #

|                             |   |        |        |        |
|-----------------------------|---|--------|--------|--------|
| PATTERN #                   | : | 2      |        |        |
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | 1.045  | 1.121  | 1.000  |
| MINIMUM X                   | : | -1.043 | -.967  | -1.070 |
| MAXIMUM Y                   | : | .872   | .682   | .750   |
| MINIMUM Y                   | : | -1.706 | -1.115 | -1.029 |
| CENTROID X                  | : | -.073  | -.149  | -.020  |
| CENTROID Y                  | : | .016   | .206   | .120   |
| POB TO CENTROID in.         | : | .075   | .254   | .124   |
| MIN RADIUS                  | : | .513   | .476   | .550   |
| MEAN RADIUS                 | : | 1.071  | .954   | .933   |
| MAX RADIUS                  | : | 1.837  | 1.472  | 1.329  |
| HORIZONTAL SPREAD           | : | 2.088  | 2.088  | 2.070  |
| VERTICAL SPREAD             | : | 2.578  | 1.797  | 1.779  |
| EXTREME SPREAD              | : | 3.102  | 2.636  | 2.566  |
| NUMBER IN ONE INCH CIRCLE   | = |        | 0      |        |
| NUMBER IN TWO INCH CIRCLE   | = |        | 4      |        |
| NUMBER IN THREE INCH CIRCLE | = |        | 9      |        |

25 Aug 1989

FILE:/PATTERNING/CENTERFIRE\_PATT/C8348821

# CENTERFIRE PATTERNS # 3



# OF SHOTS- 10

# IN CIR

1in = 0

2in = 6

3in = 9

HS= 1.691

VS= 2.954

GS= 3.021

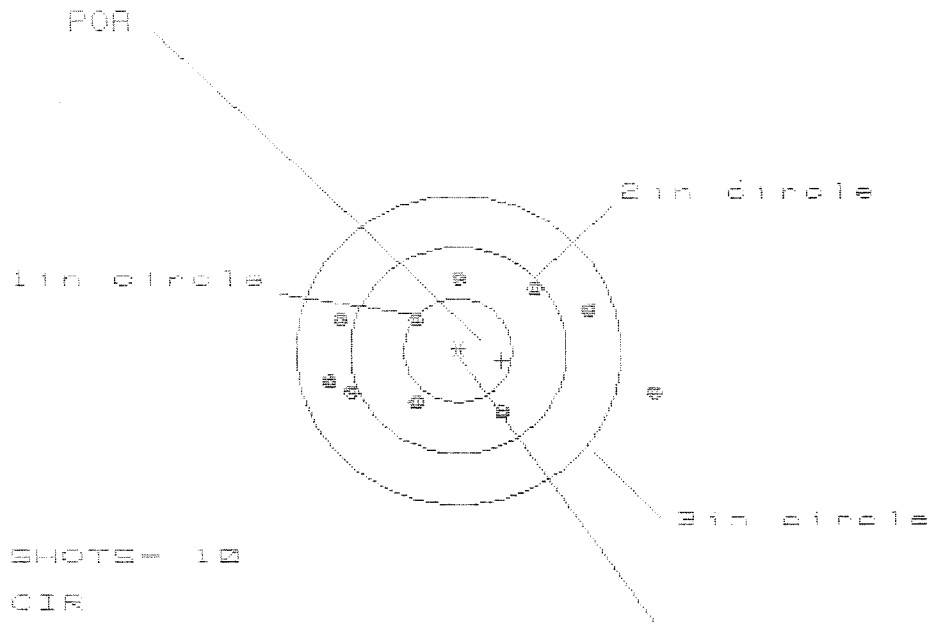
CENTROID #

| PATTERN #                   | 3      |
|-----------------------------|--------|
| SHOTS (BEST OF)             | 10     |
| MAXIMUM X                   | .755   |
| MINIMUM X                   | -.936  |
| MAXIMUM Y                   | 1.324  |
| MINIMUM Y                   | -1.630 |
| CENTROID X                  | -.074  |
| CENTROID Y                  | -.194  |
| POA TO CENTROID in.         | .208   |
| MIN RADIUS                  | .597   |
| MEAN RADIUS                 | 1.035  |
| MAX RADIUS                  | 1.677  |
| HORIZONTAL SPREAD           | 1.691  |
| VERTICAL SPREAD             | 2.954  |
| EXTREME SPREAD              | 3.021  |
| NUMBER IN ONE INCH CIRCLE   | = 0    |
| NUMBER IN TWO INCH CIRCLE   | = 6    |
| NUMBER IN THREE INCH CIRCLE | = 9    |

23 Aug 1989

FILE:/PATTERNING/CENTERFIRE\_PATT/C634B821

# CENTERFIRE PATTERNS # 4



# OF SHOTS - 10

# IN CIR

1 in = 0

2 in = 5

3 in = 9

HS = 2.962

VS = 1.361

GS = 2.989

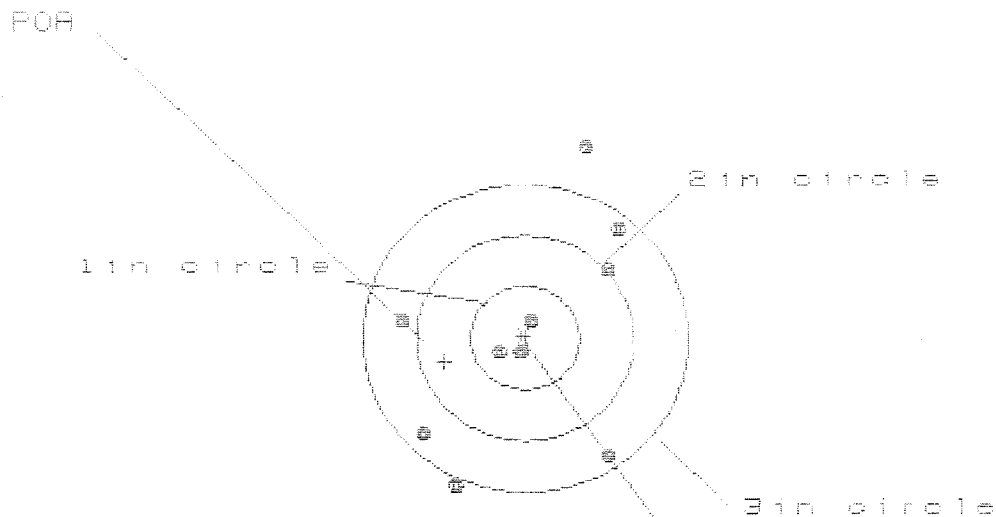
CENTROID #

| PATTERN #                     | 4      |       |       |
|-------------------------------|--------|-------|-------|
| SHOTS (BEST OF)               | 10     | 9     | 8     |
| MAXIMUM X                     | 1.809  | 1.402 | 1.091 |
| MINIMUM X                     | -1.153 | -.952 | -.777 |
| MAXIMUM Y                     | .729   | .690  | .730  |
| MINIMUM Y                     | -.632  | -.671 | -.631 |
| CENTROID X                    | -.404  | -.605 | -.780 |
| CENTROID Y                    | .097   | .136  | .096  |
| POA TO CENTROID in.           | .415   | .620  | .786  |
| MIN RADIUS                    | .526   | .364  | .347  |
| MEAN RADIUS                   | 1.019  | .893  | .796  |
| MAX RADIUS                    | 1.843  | 1.437 | 1.236 |
| HORIZONTAL SPREAD             | 2.962  | 2.354 | 1.888 |
| VERTICAL SPREAD               | 1.361  | 1.361 | 1.361 |
| EXTREME SPREAD                | 2.989  | 2.453 | 2.080 |
| NUMBER IN ONE INCH CIRCLE =   |        | 0     |       |
| NUMBER IN TWO INCH CIRCLE =   |        | 5     |       |
| NUMBER IN THREE INCH CIRCLE = |        | 9     |       |

22 Aug 1989

FILE:/PATTERNING/CENTERFIRE\_PATT/08348821

# CENTERFIRE PATTERNS # 5



# OF SHOTS- 10

# IN CIR

1in = 3

2in = 3

3in = 8

HE= 3.034

VS= 3.264

GS= 3.462

CENTROID #

|                             |   |        |        |        |
|-----------------------------|---|--------|--------|--------|
| PATTERN #                   | : | 5      |        |        |
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | .858   | .919   | .858   |
| MINIMUM X                   | : | -1.176 | -1.115 | -1.184 |
| MAXIMUM Y                   | : | 1.817  | 1.232  | 1.077  |
| MINIMUM Y                   | : | -1.447 | -1.245 | -1.089 |
| CENTROID X                  | : | .740   | .679   | .748   |
| CENTROID Y                  | : | .233   | .031   | .186   |
| POA TO CENTROID in.         | : | .776   | .680   | .771   |
| MIN RADIUS                  | : | .120   | .103   | .074   |
| MEAN RADIUS                 | : | 1.033  | .930   | .855   |
| MAX RADIUS                  | : | 1.897  | 1.537  | 1.372  |
| HORIZONTAL SPREAD           | : | 2.034  | 2.034  | 2.034  |
| VERTICAL SPREAD             | : | 3.264  | 2.477  | 2.166  |
| EXTREME SPREAD              | : | 3.462  | 2.880  | 2.702  |
| NUMBER IN ONE INCH CIRCLE   | = |        | 3      |        |
| NUMBER IN TWO INCH CIRCLE   | = |        | 3      |        |
| NUMBER IN THREE INCH CIRCLE | = |        | 8      |        |

# Arms Services Repair & Estimate System

File Add Repair Estimate Repair Expedite Repair Inquiry Repair Tools CSR Tools Reports Table Maintenance System Maintenance Help

## Repair Inquiry

Repair Number: **RE00118481**

Serial: C6348821 Model M24 SWS Center Fire  
Caliber: 7.62 NATO Produced: 09/19/1989

Repairman:

Status: Closed 10/5/2006 9:42:44 AM

Verify Repair

### Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name: 1ST BN 5TH SFG (A)

1ST BN 5TH SFG (A)

Address 1: 8TH DESERT STORM (BLDG 5210 PBO)

8TH DESERT STORM (BLDG 5210 PBO)

Address 2: PO Box:

PO Box:

City: FT CAMBELL

FT CAMBELL

State: KY Zip Code: 42223

Country: US

State: KY Zip Code: 42223

Country: US

FFL:

### Contact / Condition

Problems

Estimate

History / Status

Shipping / Billing

#### Contact Information

Phone: NA

Fax:

Email:

Comments:

#### Received Condition

Fair

Condition Notes:

CSR Notes:

#### Accessories Received

| Code | Desc                  | Qty |
|------|-----------------------|-----|
| A007 | With Stud             | 3   |
| A010 | Hard Case             | 1   |
| A017 | Scope Base            | 1   |
| A057 | Fit and Rear Sgt Base | 1   |

Repair Search

Refresh

Close

naglej

10/6/2006

7:08 AM

CAPS

NUM

INS

SCRL

start

5 Mic...

Arms S...

Part S...

2 Mic...

3 Int...

SAP Lo...

7:08 AM

Serial Number:

**C6348821**

Model: M24 SWS



**RE00118481**

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6348821.\_\_\_0  
FILE DATE AND TIME: 10/17/2006 13:35

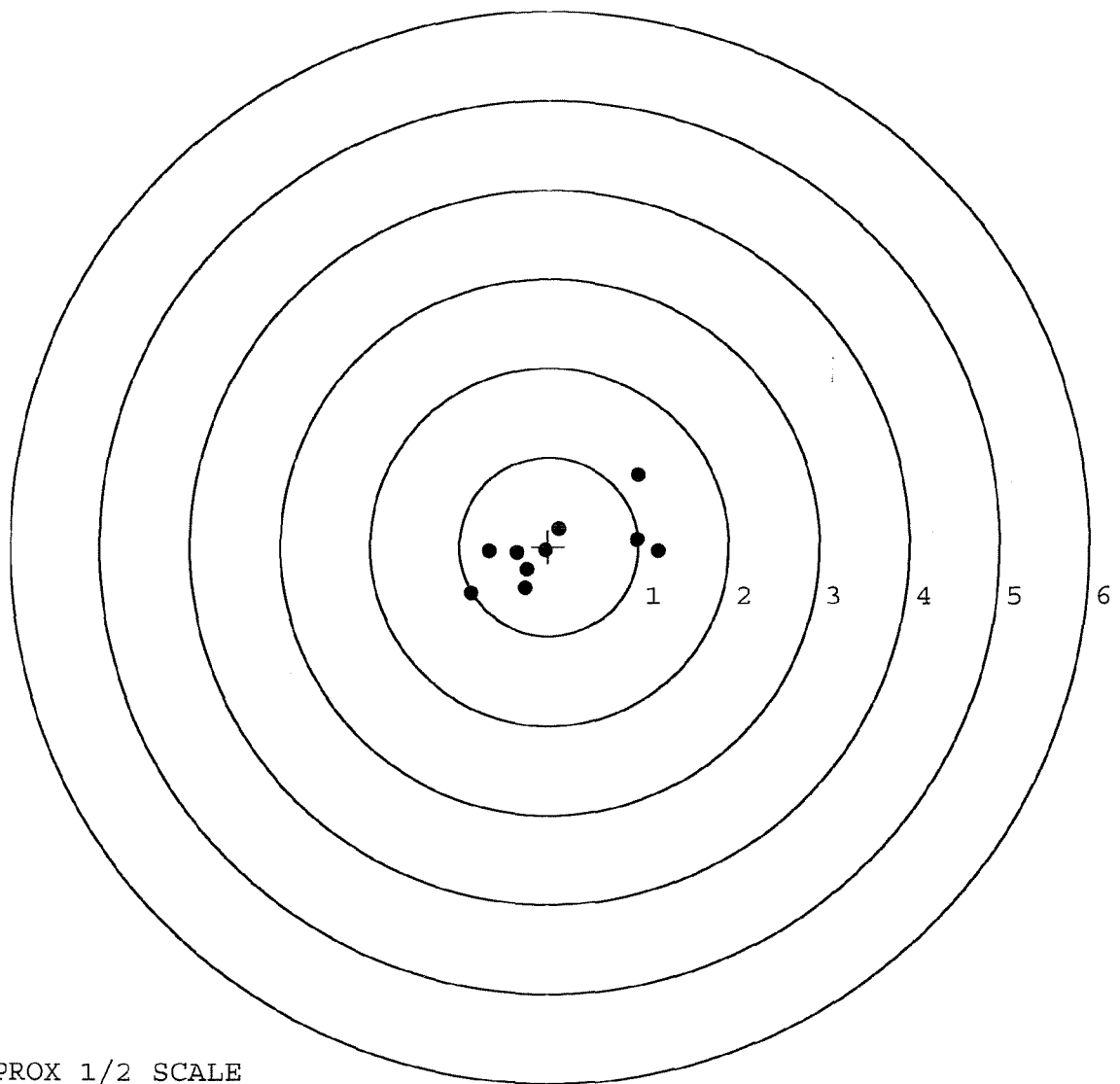
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

|                                                             |        |
|-------------------------------------------------------------|--------|
| The Average X Centroid of the Five Target Set:              | -0.057 |
| The Average Y Centroid of the Five Target Set:              | 0.019  |
| The Average Point of Impact of the Five Target Set:         | 0.060  |
| The Average Mean Radius of the Five Target Set:             | 0.623  |
| The Distance from POA to Centroid Target #1:                | 0.099  |
| The Distance from Centroid Target #2 to Centroid Target #1: | 0.221  |
| The Distance from Centroid Target #3 to Centroid Target #1: | 0.154  |
| The Distance from Centroid Target #4 to Centroid Target #1: | 0.166  |
| The Distance from Centroid Target #5 to Centroid Target #1: | 0.279  |

SERIAL NUMBER: C6348821. 0  
TARGET NUMBER: 1  
FILE DATE: 10/17/2006  
FILE TIME: 13:35

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 1.222  | -0.052 |
| 2:     | 0.986  | 0.085  |
| 3:     | 0.996  | 0.803  |
| 4:     | -0.869 | -0.528 |
| 5:     | -0.660 | -0.054 |
| 6:     | -0.261 | -0.470 |
| 7:     | -0.242 | -0.265 |
| 8:     | -0.348 | -0.070 |
| 9:     | -0.033 | -0.044 |
| 10:    | 0.119  | 0.200  |

X CENTROID: 0.091  
Y CENTROID: -0.040  
POA TO CENTROID: 0.099  
HORZ SPREAD: 2.091  
VERT SPREAD: 1.331  
GROUP SPREAD: 2.291  
MIN RADIUS: 0.124  
MAX RADIUS: 1.236  
MEAN RADIUS: 0.686  
# IN 1 IN DIAMETER: 4  
# IN 2 IN DIAMETER: 7  
# in 3 IN DIAMETER: 10



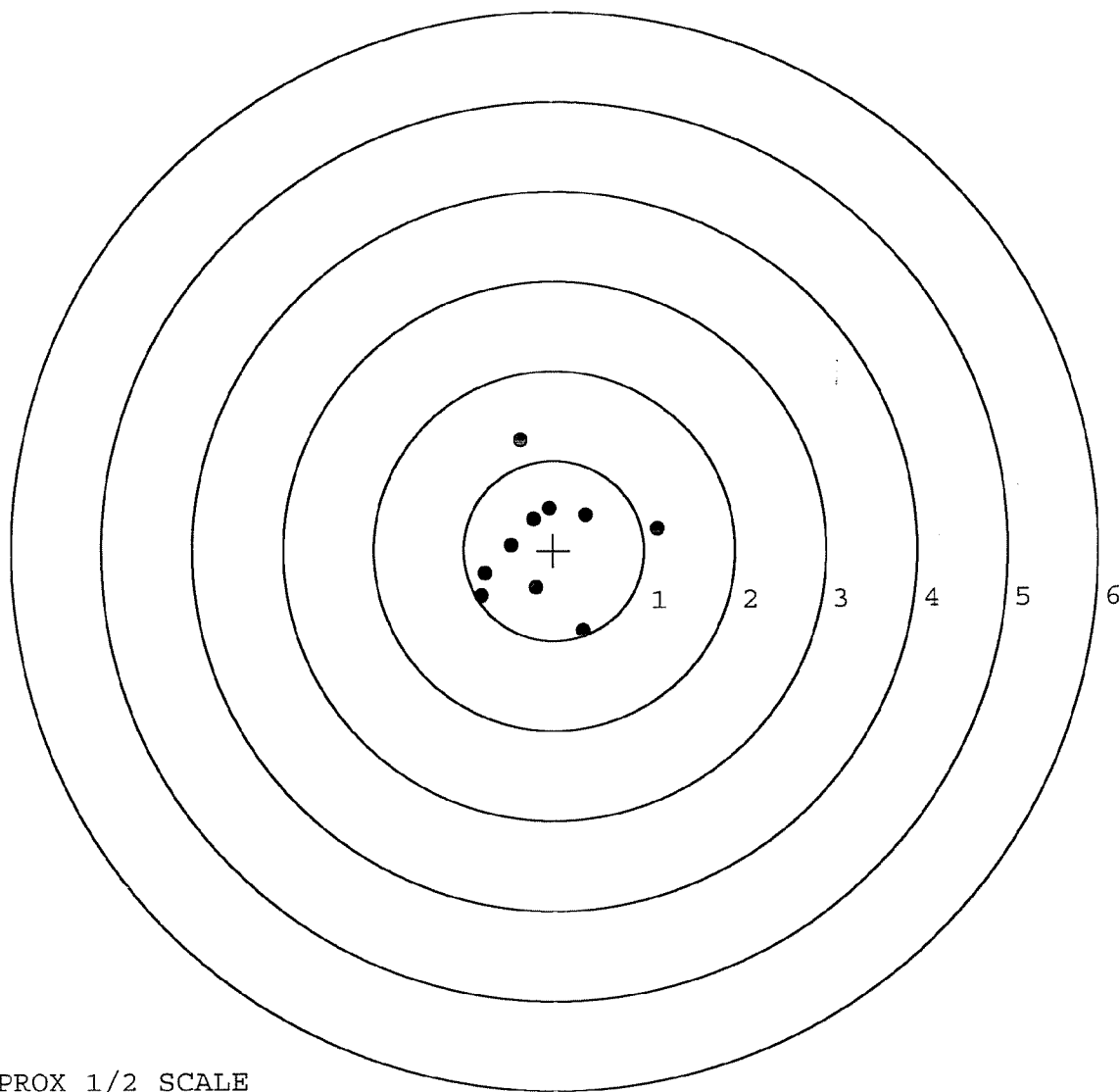
TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348821.\_\_\_0  
TARGET NUMBER: 2  
FILE DATE: 10/17/2006  
FILE TIME: 13:35

X CENTROID: -0.104  
Y CENTROID: 0.064  
POA TO CENTROID: 0.122  
HORZ SPREAD: 1.957  
VERT SPREAD: 2.126  
GROUP SPREAD: 2.092  
MIN RADIUS: 0.305  
MAX RADIUS: 1.267  
MEAN RADIUS: 0.728

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 0.323  | -0.897 |
| 2:     | 1.152  | 0.235  |
| 3:     | 0.356  | 0.389  |
| 4:     | -0.195 | -0.417 |
| 5:     | -0.805 | -0.503 |
| 6:     | -0.766 | -0.256 |
| 7:     | -0.469 | 0.055  |
| 8:     | -0.226 | 0.344  |
| 9:     | -0.045 | 0.466  |
| 10:    | -0.364 | 1.229  |

# IN 1 IN DIAMETER: 4  
# IN 2 IN DIAMETER: 7  
# in 3 IN DIAMETER: 10

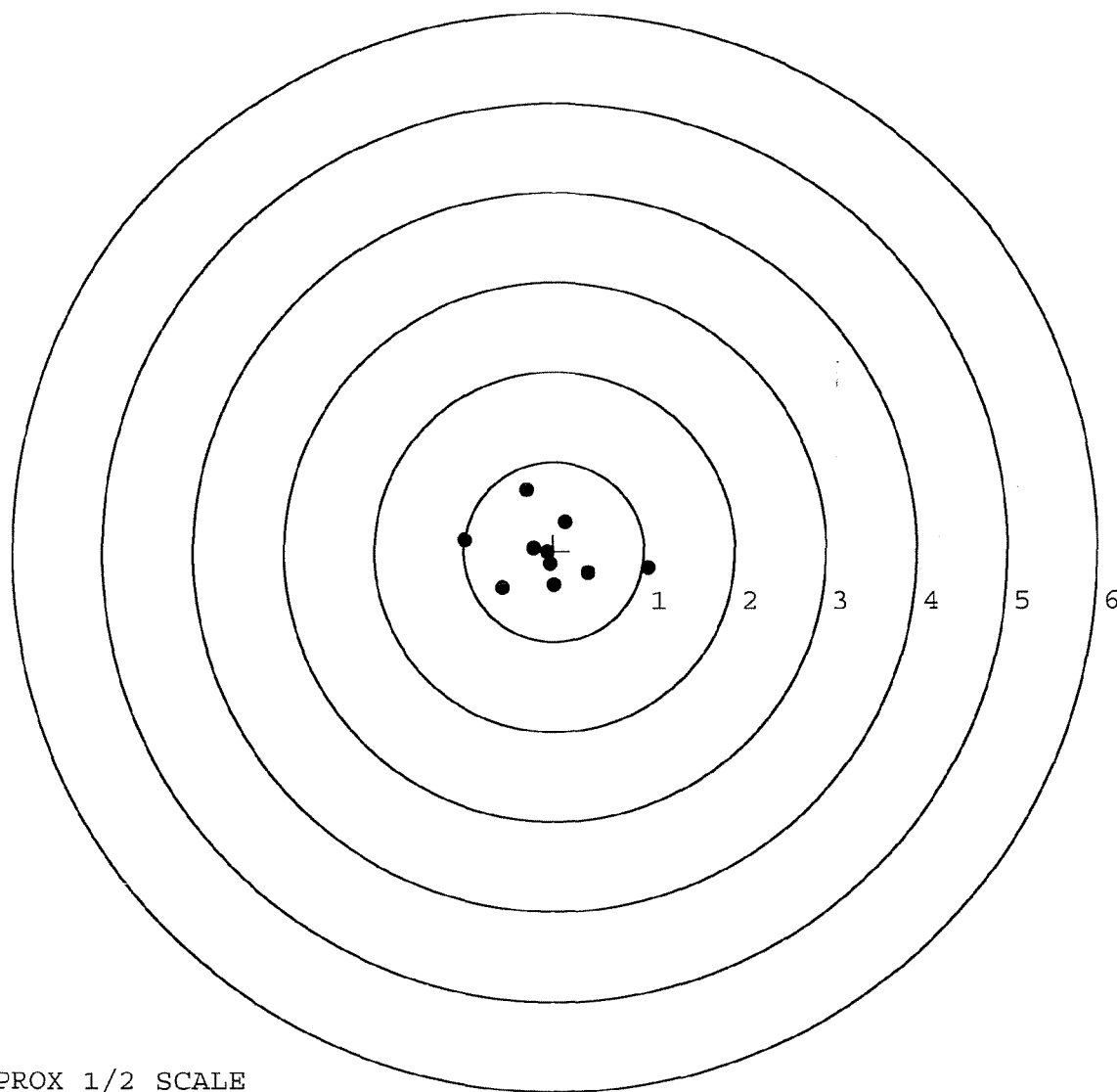


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348821. 0  
TARGET NUMBER: 3  
FILE DATE: 10/17/2006  
FILE TIME: 13:35

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 1.053  | -0.190 |
| 2:     | 0.381  | -0.246 |
| 3:     | -0.568 | -0.417 |
| 4:     | -0.997 | 0.121  |
| 5:     | -0.304 | 0.680  |
| 6:     | 0.133  | 0.323  |
| 7:     | 0.010  | -0.383 |
| 8:     | -0.034 | -0.153 |
| 9:     | -0.071 | -0.015 |
| 10:    | -0.224 | 0.029  |

X CENTROID: -0.062  
Y CENTROID: -0.025  
POA TO CENTROID: 0.067  
HORZ SPREAD: 2.050  
VERT SPREAD: 1.097  
GROUP SPREAD: 2.073  
MIN RADIUS: 0.013  
MAX RADIUS: 1.127  
MEAN RADIUS: 0.503  
# IN 1 IN DIAMETER: 6  
# IN 2 IN DIAMETER: 9  
# in 3 IN DIAMETER: 10

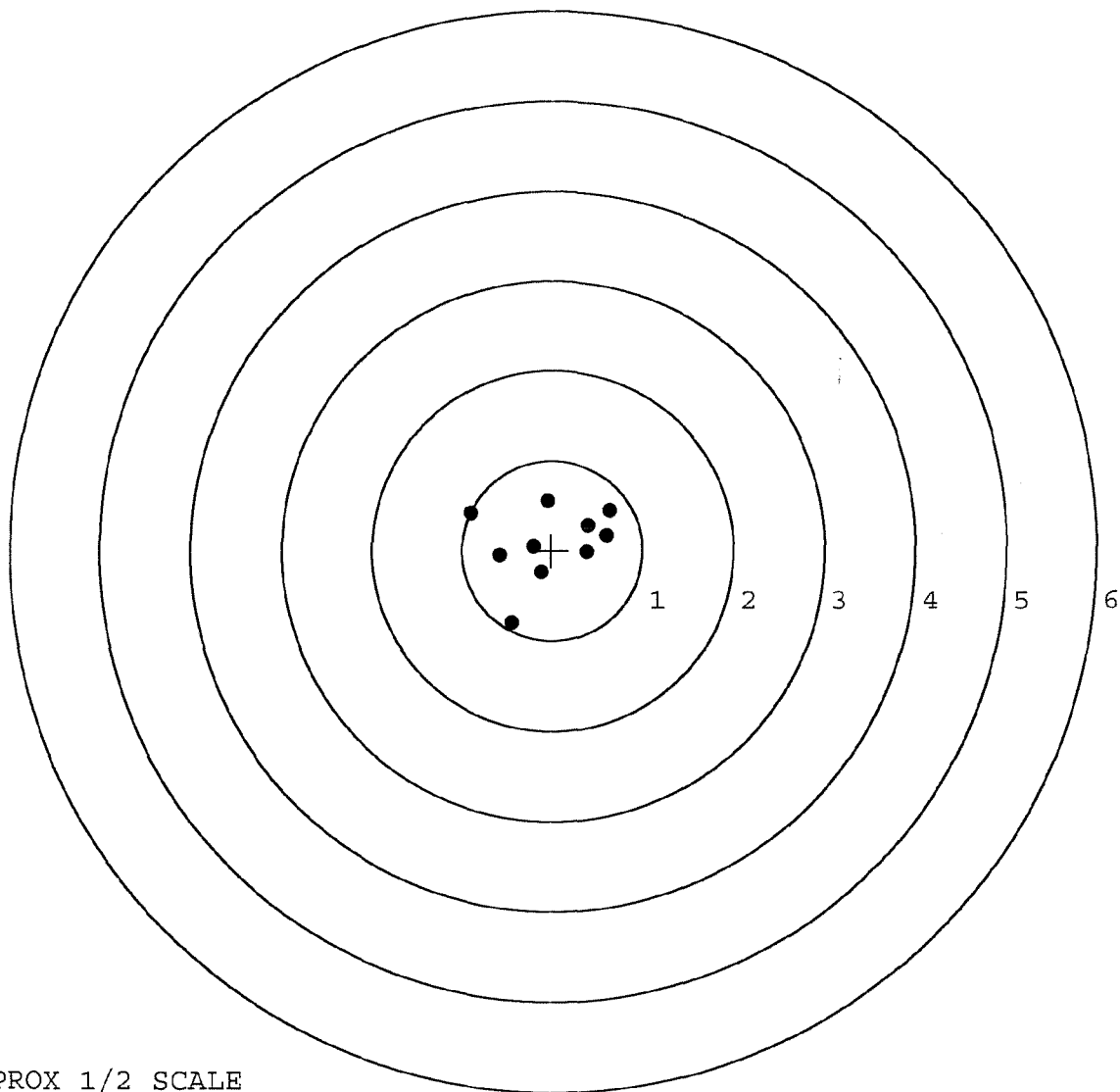


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348821. \_\_0  
TARGET NUMBER: 4  
FILE DATE: 10/17/2006  
FILE TIME: 13:35

X CENTROID: -0.026  
Y CENTROID: 0.079  
POA TO CENTROID: 0.083  
HORZ SPREAD: 1.536  
VERT SPREAD: 1.362  
GROUP SPREAD: 1.659  
MIN RADIUS: 0.180  
MAX RADIUS: 0.982  
MEAN RADIUS: 0.578  
# IN 1 IN DIAMETER: 5  
# IN 2 IN DIAMETER: 10  
# in 3 IN DIAMETER: 10

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | -0.441 | -0.811 |
| 2:     | -0.116 | -0.249 |
| 3:     | -0.203 | 0.044  |
| 4:     | -0.577 | -0.059 |
| 5:     | -0.902 | 0.419  |
| 6:     | -0.050 | 0.551  |
| 7:     | 0.393  | -0.017 |
| 8:     | 0.603  | 0.173  |
| 9:     | 0.396  | 0.283  |
| 10:    | 0.634  | 0.452  |

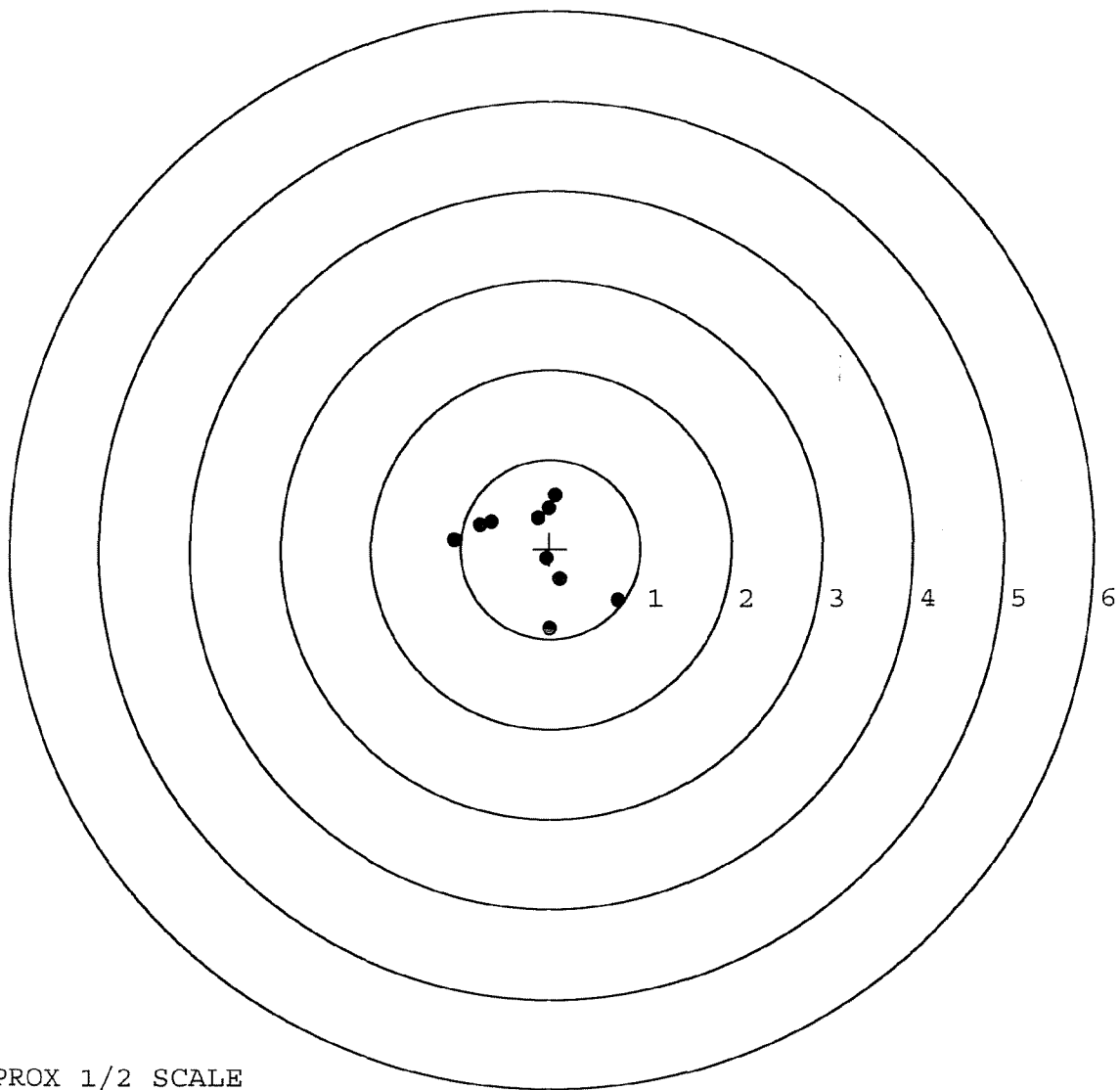


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348821.\_\_\_\_0  
TARGET NUMBER: 5  
FILE DATE: 10/17/2006  
FILE TIME: 13:35

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 0.747  | -0.575 |
| 2:     | -0.007 | -0.888 |
| 3:     | 0.110  | -0.335 |
| 4:     | -0.044 | -0.107 |
| 5:     | -0.664 | 0.304  |
| 6:     | -0.787 | 0.268  |
| 7:     | -1.071 | 0.105  |
| 8:     | -0.140 | 0.344  |
| 9:     | -0.021 | 0.454  |
| 10:    | 0.059  | 0.604  |

X CENTROID: -0.182  
Y CENTROID: 0.017  
POA TO CENTROID: 0.183  
HORZ SPREAD: 1.818  
VERT SPREAD: 1.492  
GROUP SPREAD: 1.941  
MIN RADIUS: 0.186  
MAX RADIUS: 1.102  
MEAN RADIUS: 0.621  
# IN 1 IN DIAMETER: 4  
# IN 2 IN DIAMETER: 9  
# in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

DATE: 20060525

MAINTENANCE REQUEST

DA FORM 5990-E

----- CUSTOMER DATA -----

UIC: WH04AA  
UTIL CODE: 0

1ST BN, 5TH SFG(A)

PHONE: (270) 798-4766

----- ACTIVITY DATA -----

SUP WON:  
SUP UIC: WGYBAA

584TH MAINT COMPANY

PHONE: 798-5260  
SHOP SEC:

----- EQUIPMENT DATA -----

TYPE MNT REQ: 1

ID: A

NSN: 1005012402136

MODEL: M24RIFLE

NOUN: RIFLE 7.62MM SNIP

SER NUM: C6348821

QTY: 00001

ORG WON: H04AA1606841

PRIORITY: 02

FAILURE DETECTED: A

MI/KM:

000000

HOURS: -----

ROUNDS:

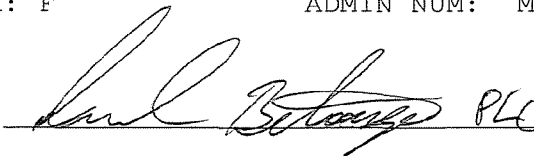
IN WARRANTY: N

LEVEL OF WORK: F

ADMIN NUM: M24-28

DEFICIENCY: BENT BARREL

PD AUTHENTICATING SIGNATURE:



----- SIGNATURE DATA -----

SUBMITTED BY: \_\_\_\_\_

ORD DATE: \_\_\_\_\_

MIL TIME: \_\_\_\_\_

ACCEPTED BY: \_\_\_\_\_

STATUS: \_\_\_\_\_

ORD DATE: \_\_\_\_\_

MIL TIME: \_\_\_\_\_

----- ACTION DATA -----

WORK STARTED BY: \_\_\_\_\_

STATUS: \_\_\_\_\_

ORD DATE: \_\_\_\_\_

MIL TIME: \_\_\_\_\_

INSPECTED BY: \_\_\_\_\_

STATUS: \_\_\_\_\_

ORD DATE: \_\_\_\_\_

MIL TIME: \_\_\_\_\_

PICKED UP BY: \_\_\_\_\_

STATUS: \_\_\_\_\_

ORD DATE: \_\_\_\_\_

MIL TIME: \_\_\_\_\_

----- COMPLETION DATA -----

QTY RPR: \_\_\_\_\_

QTY CONDEMNED: \_\_\_\_\_

NRTS: \_\_\_\_\_

EVAC WON: \_\_\_\_\_

EVAC UNIT NAME: \_\_\_\_\_

DATE: 20060525

MAINTENANCE REQUEST

DA FORM 5990-E

----- CUSTOMER DATA -----

UIC: WH04AA  
UTIL CODE: 0

1ST BN, 5TH SFG(A)

PHONE: (270) 798-4766

----- ACTIVITY DATA -----

SUP WON:  
SUP UIC: WGYBAA

584TH MAINT COMPANY

PHONE: 798-5260  
SHOP SEC:

----- EQUIPMENT DATA -----

TYPE MNT REQ: 1 ID: A NSN: 1005012402136 MODEL: M24RIFLE

NOUN: RIFLE 7.62MM SNIP SER NUM: C6348821 QTY: 00001

ORG WON: H04AA1606841 PRIORITY: 02 FAILURE DETECTED: A

MI/KM: 000000 HOURS: ----- ROUNDS:

IN WARRANTY: N LEVEL OF WORK: F ADMIN NUM: M24-28

DEFICIENCY: BENT BARREL

PD AUTHENTICATING SIGNATURE:

 PLL

----- SIGNATURE DATA -----

SUBMITTED BY: \_\_\_\_\_ ORD DATE: \_\_\_\_\_ MIL TIME: \_\_\_\_\_

ACCEPTED BY: \_\_\_\_\_ STATUS: \_\_\_\_\_ ORD DATE: \_\_\_\_\_ MIL TIME: \_\_\_\_\_

----- ACTION DATA -----

WORK STARTED BY: \_\_\_\_\_ STATUS: \_\_\_\_\_ ORD DATE: \_\_\_\_\_ MIL TIME: \_\_\_\_\_

INSPECTED BY: \_\_\_\_\_ STATUS: \_\_\_\_\_ ORD DATE: \_\_\_\_\_ MIL TIME: \_\_\_\_\_

PICKED UP BY: \_\_\_\_\_ STATUS: \_\_\_\_\_ ORD DATE: \_\_\_\_\_ MIL TIME: \_\_\_\_\_

----- COMPLETION DATA -----

QTY RPR: \_\_\_\_\_ QTY CONDEMNED: \_\_\_\_\_ NRTS: \_\_\_\_\_

EVAC WON: \_\_\_\_\_ EVAC UNIT NAME: \_\_\_\_\_

AVERAGE PULL FORCE BETWEEN  
INITIAL & CYCLE TESTS

2.50 LBS (plus or minus 0.50 LBS)  
3.00 LBS (plus or minus 0.75 LBS)  
4.00 LBS (plus or minus 1.00 LBS)

DATE 10-6-06

TESTER SD

|         | 2.50 LBS<br>INITIAL | 2.50 LBS AFTER 50<br>CYCLES | FINAL TEST & TO RESET<br>2.50 LBS |  | COMMENTS |
|---------|---------------------|-----------------------------|-----------------------------------|--|----------|
| PULL #1 | 2.46                | 2.30                        | 2.59                              |  |          |
| PULL #2 | 2.51                | 2.29                        | 2.69                              |  |          |
| PULL #3 | 2.54                | 2.27                        | 2.51                              |  |          |
| PULL #4 | 2.44                | 2.25                        | 2.58                              |  |          |
| PULL #5 | 2.48                | 2.34                        | 2.53                              |  |          |
| TOTAL   | 1243                | 1145                        | 1290                              |  |          |
| AVERAGE | 248                 | 229                         | 258                               |  |          |

|         | 3.00 LBS<br>INITIAL | 3.00 LBS AFTER 20<br>CYCLES |  | COMMENTS |
|---------|---------------------|-----------------------------|--|----------|
| PULL #1 | 3.14                | 2.96                        |  |          |
| PULL #2 | 3.09                | 2.83                        |  |          |
| PULL #3 | 3.06                | 3.01                        |  |          |
| PULL #4 | 3.08                | 2.99                        |  |          |
| PULL #5 | 3.03                | 2.99                        |  |          |
| TOTAL   | 1540                | 1478                        |  |          |
| AVERAGE | 308                 | 295                         |  |          |

|         | 4.00 LBS<br>INITIAL | 4.00 LBS AFTER 20<br>CYCLES | MAX SETTING GREATER<br>THAN 4 LBS | RESET TO 4 LBS FOR<br>TARGET & ACCURACY |
|---------|---------------------|-----------------------------|-----------------------------------|-----------------------------------------|
| PULL #1 | 4.05                | 3.98                        |                                   | 4.00                                    |
| PULL #2 | 4.11                | 4.00                        |                                   | 4.07                                    |
| PULL #3 | 4.14                | 3.95                        |                                   | 4.00                                    |
| PULL #4 | 4.10                | 4.05                        |                                   | 3.98                                    |
| PULL #5 | 4.19                | 4.00                        |                                   | 4.09                                    |
| TOTAL   | 2059                | 1998                        |                                   | 2014                                    |
| AVERAGE | 411                 | 399                         |                                   | 402                                     |

M-24  
INSPECTION CHECKLIST - REPAIRS  
CONTRACT #: DAAE-20-02-C-0149

|               |                      |                                                                                                                                                  |                                 |              |  |
|---------------|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|--------------|--|
| R & E NUMBER  | 118481               |                                                                                                                                                  |                                 |              |  |
| SERIAL NUMBER | C6348821             |                                                                                                                                                  |                                 |              |  |
| LOG-IN DATE   | 10-5-06              |                                                                                                                                                  |                                 |              |  |
| OPERATION #   | OPERATION NAME       |                                                                                                                                                  | DATE                            | INITIAL      |  |
| 500           | DIS-ASSEMBLE GUN     |                                                                                                                                                  | 10-9-06                         | RTZ          |  |
| 505           | RE-BARREL            |                                                                                                                                                  | 10-8-06                         | RTZ          |  |
| 420           | ASSEMBLE             |                                                                                                                                                  | 10-8-06                         | RTZ          |  |
| 440           | PROOF                | MAGNA-FLUX                                                                                                                                       | 10-10-06                        | TRW          |  |
| 460           | CHECK HEADSPACE      | INSPECTED                                                                                                                                        | 10-10-06                        | RTZ          |  |
| 470           | DIS-ASSEMBLE GUN     | OCT 13 2006                                                                                                                                      |                                 |              |  |
| 480           | MAGNAFLUX            | OPERATOR <i>unint</i>                                                                                                                            | 10/13/06                        | <i>unint</i> |  |
| 510           | DRILL AND TAP        |                                                                                                                                                  | 10-13-06                        | TRW          |  |
| 500           | ROLLMARK CALIBER     |                                                                                                                                                  | 10-13-06                        | CW           |  |
| 520           | GOFF BLAST BBL / REC |                                                                                                                                                  | 10-14-06                        | CB           |  |
| 530 & 540     | APPLY COATINGS       |                                                                                                                                                  | 10/16/06                        | TRB          |  |
| 560           | FINAL ASSEMBLY       |                                                                                                                                                  | 10-17-06                        | RTZ          |  |
| 640           | FUNCTION TEST AND    | PASS FAIL                                                                                                                                        | 10-17-06                        | TRW          |  |
| 650           | TARGET               | PASS FAIL                                                                                                                                        | 10-17-06                        | TRW          |  |
|               | MALFUNCTION          | CORRECTION                                                                                                                                       |                                 |              |  |
|               | MALFUNCTION          | CORRECTION                                                                                                                                       |                                 |              |  |
|               | MALFUNCTION          | CORRECTION                                                                                                                                       |                                 |              |  |
|               | MALFUNCTION          | CORRECTION                                                                                                                                       |                                 |              |  |
| 670           | FINAL INSPECTION     |                                                                                                                                                  | 10-17-06                        | WIK          |  |
|               | A) HEADSPACE         | PASS FAIL                                                                                                                                        | 10-18-06                        | RTZ          |  |
|               | B) TRIGGER PULL      | <div style="border: 1px solid black; padding: 2px; display: inline-block;">           +/- .5 LBS<br/>MIN 2.50 LBS<br/>MAX 4.0 LBS         </div> | 2.54 2.47 2.53 2.5 2.0 10-18-06 | RTZ          |  |
| 680           | F) SAFETY ON FORCE   | <div style="border: 1px solid black; padding: 2px; display: inline-block;">           2 LBS MIN<br/>10 LBS MAX         </div>                    | 6.0 6.0 6.0 10-18-06            | RTZ          |  |
|               | G) SAFETY OFF FORCE  | <div style="border: 1px solid black; padding: 2px; display: inline-block;">           2 LBS<br/>MIN         </div>                               | 3.50 3.50 3.25 10-18-06         | RTZ          |  |
|               | I) FIRING PIN INDENT | .020                                                                                                                                             | .021 .021 .022 10-18-06         | RTZ          |  |
| 690           | PACK                 |                                                                                                                                                  | 10-19-06                        | DA           |  |

F006 REV 5/2006

# FINAL INSPECTION CHECKLIST

## BARREL ASSEMBLY

\_\_\_\_\_  
BARREL

\_\_\_\_\_  
RECEIVER

\_\_\_\_\_  
FRONT SIGHT BASE

\_\_\_\_\_  
REAR SIGHT BASE

\_\_\_\_\_  
SCREWS

\_\_\_\_\_  
FINISH

## SCOPE ASSEMBLY

\_\_\_\_\_  
SCOPE

\_\_\_\_\_  
SCOPE RINGS

\_\_\_\_\_  
MOUNTING SCREWS

\_\_\_\_\_  
MOUNTING BASE

\_\_\_\_\_  
SCREWS

\_\_\_\_\_  
FINISH

\_\_\_\_\_  
CLARITY

## STOCK ASSEMBLY

\_\_\_\_\_  
STOCK

\_\_\_\_\_  
SLING SWIVEL STUDS

\_\_\_\_\_  
BUTT PATE

\_\_\_\_\_  
LOCK NUTS

\_\_\_\_\_  
BARREL CLEARANCE

\_\_\_\_\_  
COLOR / FINISH

## SYSTEM CASE

\_\_\_\_\_  
SCOPE CASE

\_\_\_\_\_  
IRON SIGHTS

\_\_\_\_\_  
DEPLOYMENT KIT

## TRIGGER ASSEMBLY

\_\_\_\_\_  
SAFETY OPERATION

\_\_\_\_\_  
RE-SET TO FACTORY  
SPECS

COMMENTS: \_\_\_\_\_

F006 REV 5/2006



Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # c6348821  
13 Mar 2001

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0652  
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0602  
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0887416

THE AMR FOR THIS RIFLE IS: 1.284

# CENTROIDAL DISTANCES

|      |   |         |
|------|---|---------|
| Ø TO | 1 | .764199 |
| 1 TO | 2 | .834556 |
| 1 TO | 3 | 1.07114 |
| 1 TO | 4 | .787064 |
| 1 TO | 5 | 1.19282 |

5  
3  
2 4 <----POA  
1

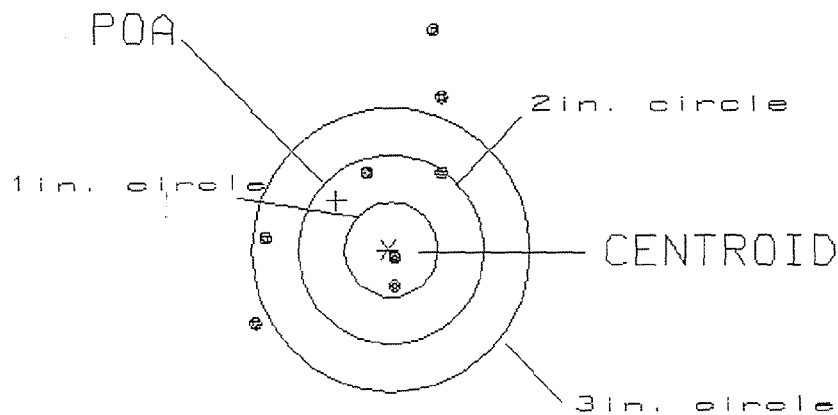
PATTERN #: 1

POA TO CENTROID: .764  
 MIN RADIUS : .095  
 MEAN RADIUS : 1.413  
 MAX RADIUS : 2.363  
 CENTROID X : .560  
 CENTROID Y : -.520

13 Mar 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire\_Patt/C6348821

# CENTERFIRE PATTERN # 1



# OF SHOTS= 10

# IN CIRCLE

HS= 2.19  
 VS= 4.52  
 GS= 4.53

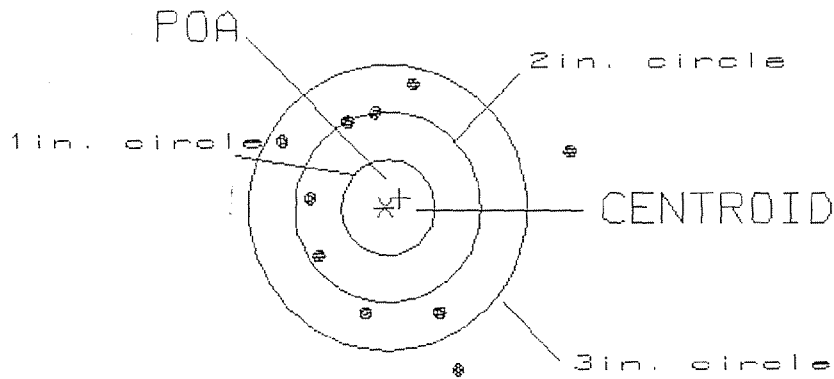
2  
 3  
 5

PATTERN #: 2  
 POA TO CENTROID: .188  
 MIN RADIUS : .882  
 MEAN RADIUS : 1.287  
 MAX RADIUS : 2.081  
 CENTROID X : -.160  
 CENTROID Y : -.098

13 Mar 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire\_Patt/C6348821

# CENTERFIRE PATTERN # 2



# OF SHOTS= 10

# IN CIRCLE

HS= 3.11  
 VS= 3.03  
 GS= 3.12

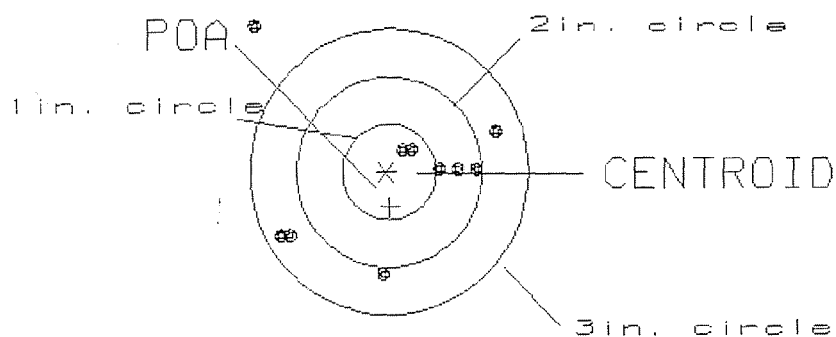
0  
 3  
 8

PATTERN #: E 3 F  
 POA TO CENTROID: .370  
 MIN RADIUS : .224  
 MEAN RADIUS : .982  
 MAX RADIUS : 2.112  
 CENTROID X : -.039  
 CENTROID Y : .368

13 Mar 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire\_Patt/C6348821

# CENTERFIRE PATTERN # 3



# OF SHOTS= 10

# IN CIRCLE

HS= 2.60

2

VS= 2.62

5

GS= 2.99

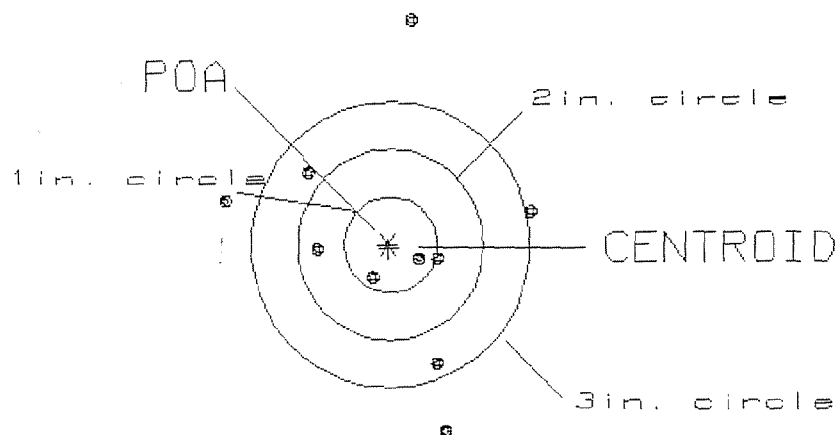
9

PATTERN #: 4  
 POA TO CENTROID: .044  
 MIN RADIUS : .320  
 MEAN RADIUS : 1.235  
 MAX RADIUS : 2.384  
 CENTROID X : -.010  
 CENTROID Y : .043

13 Mar 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire\_Patt/C6348821

# CENTERFIRE PATTERN # 4



# OF SHOTS= 10

# IN CIRCLE

HS= 3.25

2

VS= 4.29

4

GS= 4.31

6

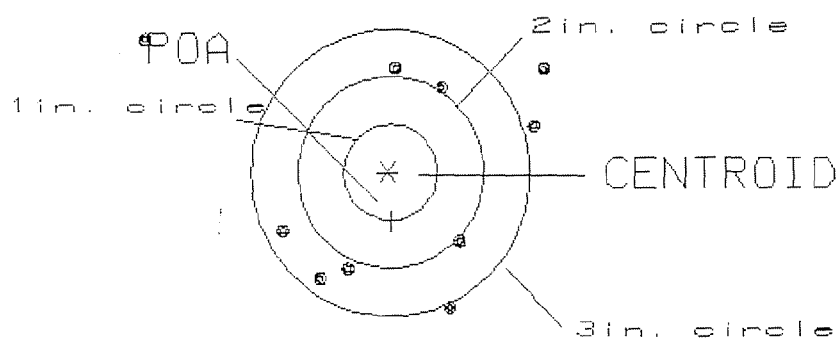
PATTERN #: 5

POA TO CENTROID: .510  
 MIN RADIUS : 1.004  
 MEAN RADIUS : 1.502  
 MAX RADIUS : 3.037  
 CENTROID X : -.045  
 CENTROID Y : .508

13 Mar 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire\_Patt/C6340021

# CENTERFIRE PATTERN # 5



# OF SHOTS= 10

# IN CIRCLE

HS= 4.36

0

VS= 2.76

0

GS= 4.37

6

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

|                                 |                          |                |           |
|---------------------------------|--------------------------|----------------|-----------|
| R & E NUMBER <u>22073</u>       |                          |                |           |
| SERIAL NUMBER <u>C-634 8821</u> |                          |                |           |
| LOG-IN DATE <u>1-31-01</u>      |                          |                |           |
| <b>INSPECT AND VERIFY:</b>      |                          |                |           |
| OPERATION #                     | OPERATION NAME           | DATE           | INITIAL   |
| 550                             | DIS-ASSEMBLE GUN         | <u>2-2-01</u>  | <u>CK</u> |
| 560 A                           | RE-BARREL AT CUSTOM SHOP |                |           |
| B                               | DRILL AND TAP            |                |           |
| C                               | POLISH                   |                |           |
| 575                             | ASSEMBLE                 |                |           |
| 600                             | PROOF                    | <u>2-12-01</u> | <u>CK</u> |
| 605                             | CHECK HEADSPACE          | <u>2-12-01</u> | <u>CK</u> |
| 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                   |                |           |
| 655                             | FINAL INSPECT            | <u>3-13-01</u> | <u>CK</u> |
| 660                             | PACK                     | <u>3-15-01</u> | <u>CK</u> |
|                                 |                          | SHIP DATE      |           |
| QAR INSPECTION DATE             |                          |                |           |

## Final Inspection

Sn: C-6348821

DATE REC'D: 1-31-01

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: