

C6349209

MODEL 700<sup>TM</sup> M24

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

Action

Barrel Length

Capacity

Order No. **5716**

\*Includes 1 in chamber.

*Remington*

M2400110257

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER  
KINZER V. REMINGTON

**Arms Services Repair & Estimate System**

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

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**Repair Inquiry**

Repair Number: **RE00112532** Serial: C6349209 Model M24 SWS Center Fire  
 Verify Repair: ☐ Caliber: 7.62 NATO Produced: 03/19/1990 Repairman:   
 Status: Closed 5/18/2006 9:46:50 AM

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**Address Information**

Customer: ☒ Received From Return To: ☐ Received From

Name: 225TH BSB (SSA) 225TH BSB (SSA)  
 Address 1: ATTN CW3 FUJIHARA (808-655-0211) ATTN CW3 FUJIHARA (808-655-0211)  
 Address 2: BLDG 1670 MELICHAMP ST. PO Box: BLDG 1670 MELICHAMP ST. PO Box:  
 City: SCHOFIELD BARRACKS SCHOFIELD BARRACKS  
 State: HI Zip Code: 96857 Country: US State: HI Zip Code: 96857 Country: US  
 FFL:

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**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 |
|------|-----------------------|-----|
| A057 | Frt and Rear Sgt Base | 1   |

Repair Search Refresh Close

naql 5/23/2006 7:21 AM CAPS NUM INS SCRL

start 2 Micr... Microsof... 2 Inter... Part Sea... Arms Se... 7:21 AM

Serial Number: **C6349209**  
 Model: **M24 SWS**  
  
**RE00112532**

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6349209.\_\_\_0

FILE DATE AND TIME: 11/13/2006 23:37

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

|                                                             |        |
|-------------------------------------------------------------|--------|
| The Average X Centroid of the Five Target Set:              | -0.047 |
| The Average Y Centroid of the Five Target Set:              | -0.103 |
| The Average Point of Impact of the Five Target Set:         | 0.113  |
| The Average Mean Radius of the Five Target Set:             | 0.753  |
| The Distance from POA to Centroid Target #1:                | 0.140  |
| The Distance from Centroid Target #2 to Centroid Target #1: | 0.282  |
| The Distance from Centroid Target #3 to Centroid Target #1: | 0.336  |
| The Distance from Centroid Target #4 to Centroid Target #1: | 0.014  |
| The Distance from Centroid Target #5 to Centroid Target #1: | 0.232  |

SERIAL NUMBER: C6349209. \_\_0

TARGET NUMBER: 1

FILE DATE: 11/13/2006

FILE TIME: 23:37

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | -1.456 | 0.132  |
| 2:     | -0.516 | 0.580  |
| 3:     | -0.119 | -0.302 |
| 4:     | -0.573 | -0.603 |
| 5:     | 0.650  | 0.361  |
| 6:     | 0.981  | 0.747  |
| 7:     | 0.758  | -0.099 |
| 8:     | 0.876  | -0.975 |
| 9:     | -0.289 | -1.568 |
| 10:    | 0.394  | 0.518  |

X CENTROID: 0.071

Y CENTROID: -0.121

POA TO CENTROID: 0.140

HORZ SPREAD: 2.437

VERT SPREAD: 2.315

GROUP SPREAD: 2.581

MIN RADIUS: 0.262

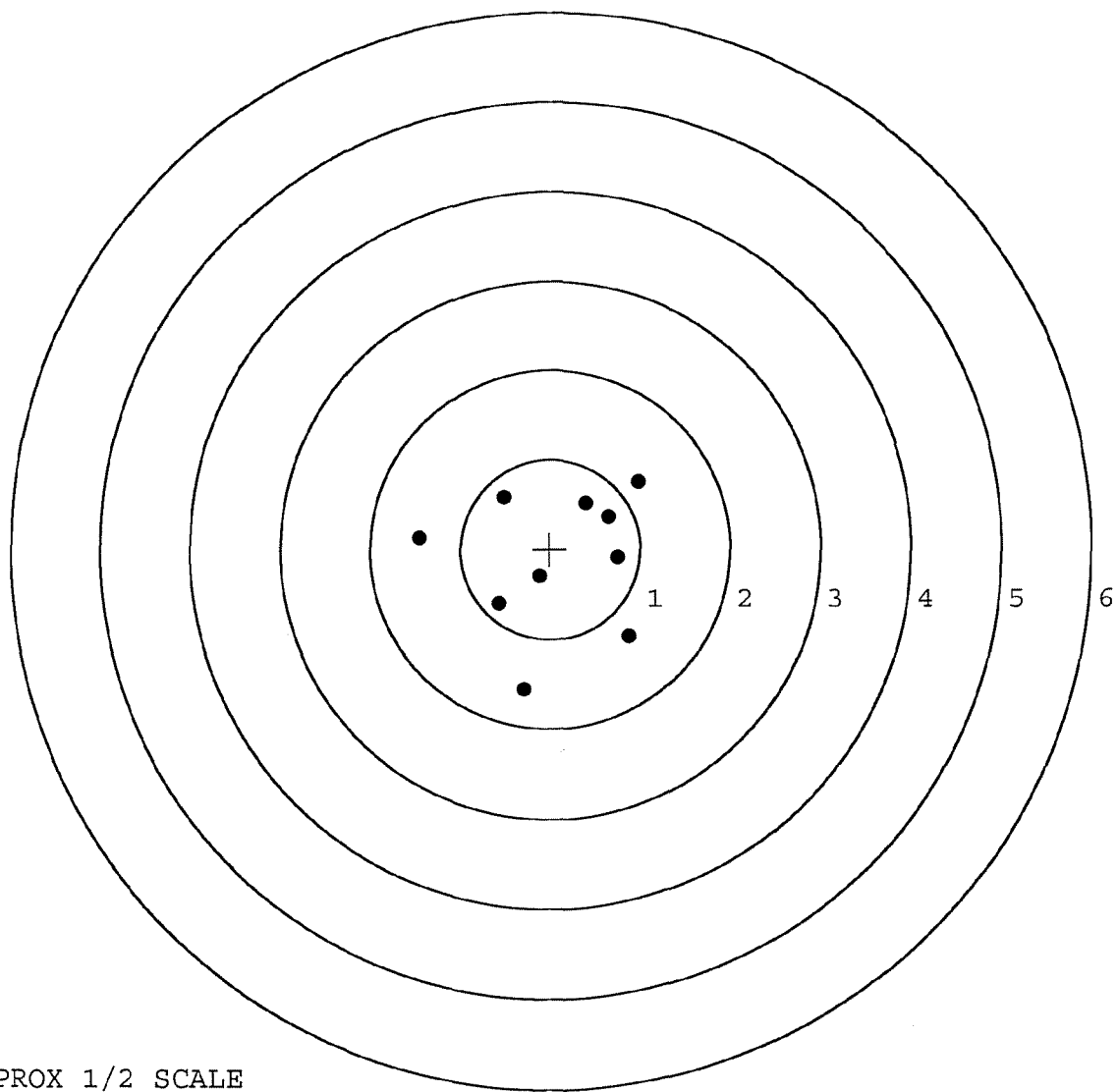
MAX RADIUS: 1.547

MEAN RADIUS: 0.961

# IN 1 IN DIAMETER: 1

# IN 2 IN DIAMETER: 6

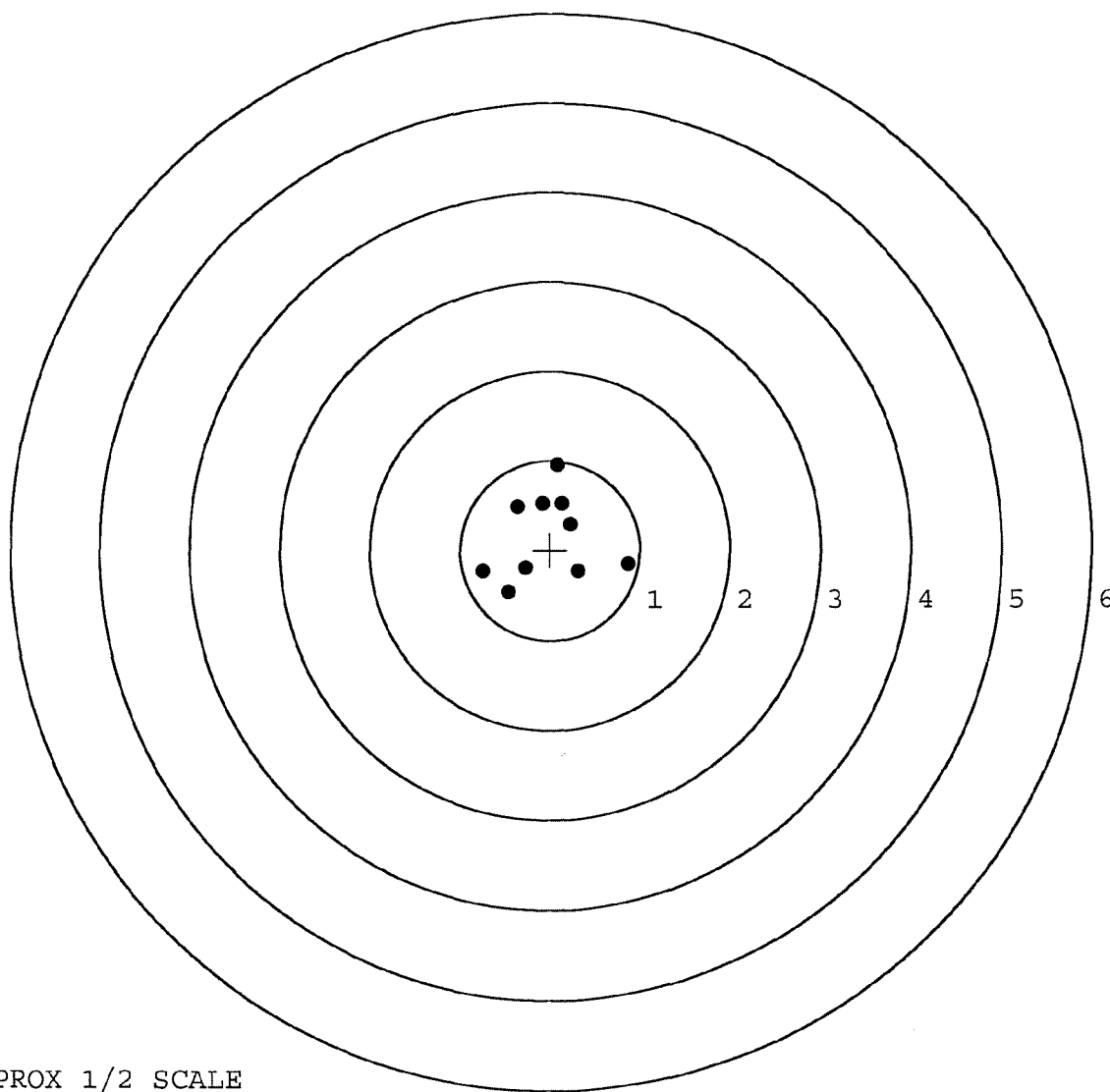
# in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349209. \_\_0  
TARGET NUMBER: 2  
FILE DATE: 11/13/2006  
FILE TIME: 23:37

|                     | POINT# | X      | Y      |
|---------------------|--------|--------|--------|
|                     | 1:     | -0.360 | 0.485  |
|                     | 2:     | -0.082 | 0.515  |
|                     | 3:     | 0.136  | 0.517  |
|                     | 4:     | 0.229  | 0.293  |
|                     | 5:     | 0.093  | 0.948  |
|                     | 6:     | 0.318  | -0.238 |
|                     | 7:     | 0.876  | -0.166 |
|                     | 8:     | -0.268 | -0.204 |
|                     | 9:     | -0.462 | -0.473 |
|                     | 10:    | -0.748 | -0.236 |
| X CENTROID:         |        | -0.027 |        |
| Y CENTROID:         |        | 0.144  |        |
| POA TO CENTROID:    |        | 0.147  |        |
| HORZ SPREAD:        |        | 1.624  |        |
| VERT SPREAD:        |        | 1.421  |        |
| GROUP SPREAD:       |        | 1.626  |        |
| MIN RADIUS:         |        | 0.296  |        |
| MAX RADIUS:         |        | 0.955  |        |
| MEAN RADIUS:        |        | 0.583  |        |
| # IN 1 IN DIAMETER: |        | 5      |        |
| # IN 2 IN DIAMETER: |        | 10     |        |
| # in 3 IN DIAMETER: |        | 10     |        |



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349209. \_\_0

TARGET NUMBER: 3

FILE DATE: 11/13/2006

FILE TIME: 23:37

| POINT# | X | Y |
|--------|---|---|
|--------|---|---|

|    |       |       |
|----|-------|-------|
| 1: | 0.225 | 1.146 |
|----|-------|-------|

|    |       |       |
|----|-------|-------|
| 2: | 0.766 | 0.839 |
|----|-------|-------|

|    |        |       |
|----|--------|-------|
| 3: | -0.364 | 0.385 |
|----|--------|-------|

|    |        |       |
|----|--------|-------|
| 4: | -0.627 | 0.155 |
|----|--------|-------|

|    |        |        |
|----|--------|--------|
| 5: | -1.025 | -0.091 |
|----|--------|--------|

|    |        |        |
|----|--------|--------|
| 6: | -0.414 | -0.079 |
|----|--------|--------|

|    |        |        |
|----|--------|--------|
| 7: | -0.595 | -0.493 |
|----|--------|--------|

|    |        |        |
|----|--------|--------|
| 8: | -0.668 | -1.294 |
|----|--------|--------|

|    |       |        |
|----|-------|--------|
| 9: | 0.028 | -0.940 |
|----|-------|--------|

|     |       |        |
|-----|-------|--------|
| 10: | 0.026 | -0.940 |
|-----|-------|--------|

X CENTROID: -0.265

Y CENTROID: -0.131

POA TO CENTROID: 0.296

HORZ SPREAD: 1.791

VERT SPREAD: 2.440

GROUP SPREAD: 2.570

MIN RADIUS: 0.158

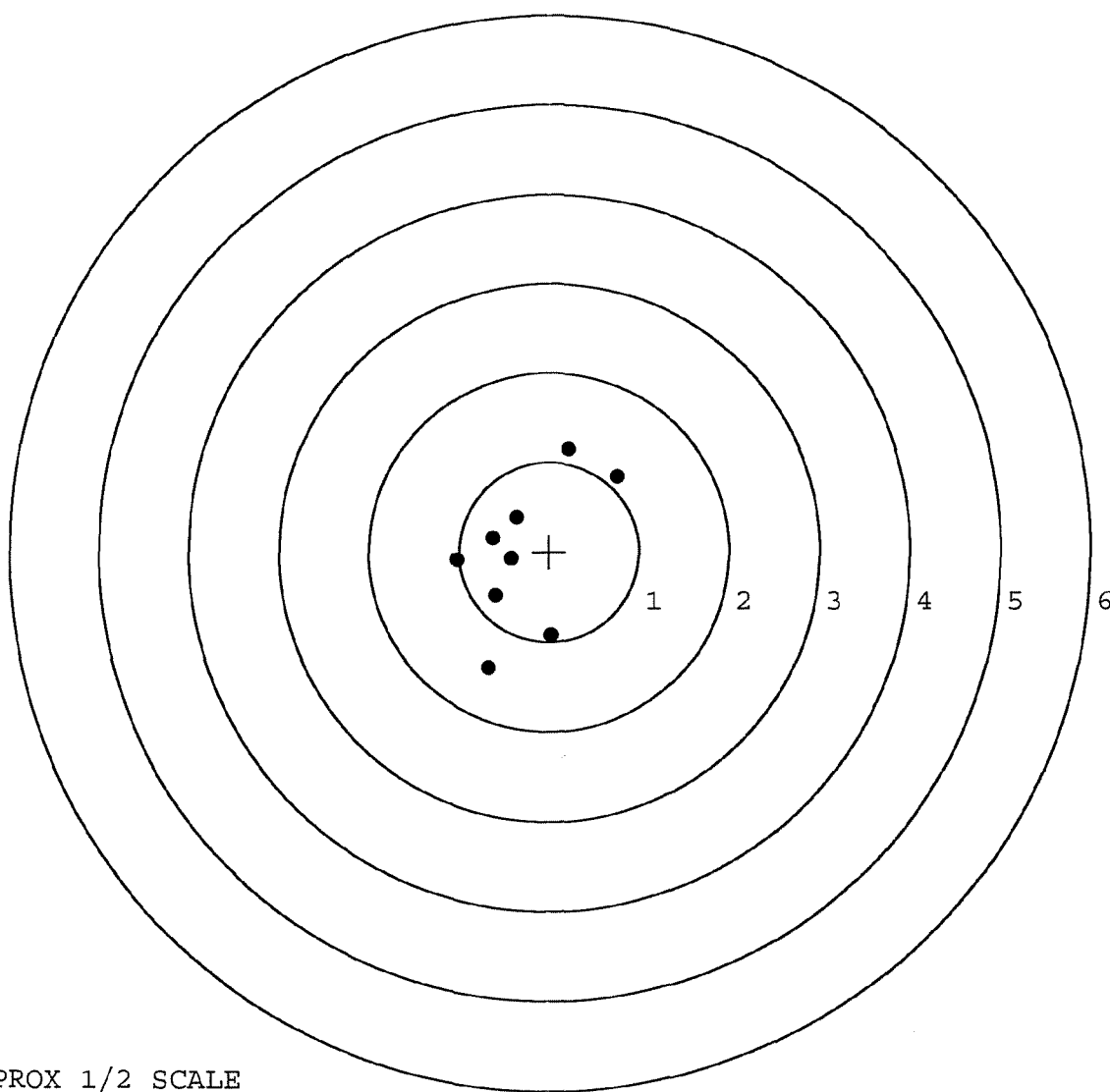
MAX RADIUS: 1.416

MEAN RADIUS: 0.813

# IN 1 IN DIAMETER: 3

# IN 2 IN DIAMETER: 7

# in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349209. \_\_0

TARGET NUMBER: 4

FILE DATE: 11/13/2006

FILE TIME: 23:37

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 0.240  | 0.734  |
| 2:     | 0.730  | 0.650  |
| 3:     | 0.277  | 0.217  |
| 4:     | 0.429  | 0.034  |
| 5:     | 0.365  | -0.396 |
| 6:     | 0.633  | -0.885 |
| 7:     | -0.121 | -0.470 |
| 8:     | -0.518 | -0.597 |
| 9:     | -0.615 | -0.693 |
| 10:    | -0.581 | 0.145  |

X CENTROID: 0.084

Y CENTROID: -0.126

POA TO CENTROID: 0.151

HORZ SPREAD: 1.345

VERT SPREAD: 1.619

GROUP SPREAD: 1.901

MIN RADIUS: 0.380

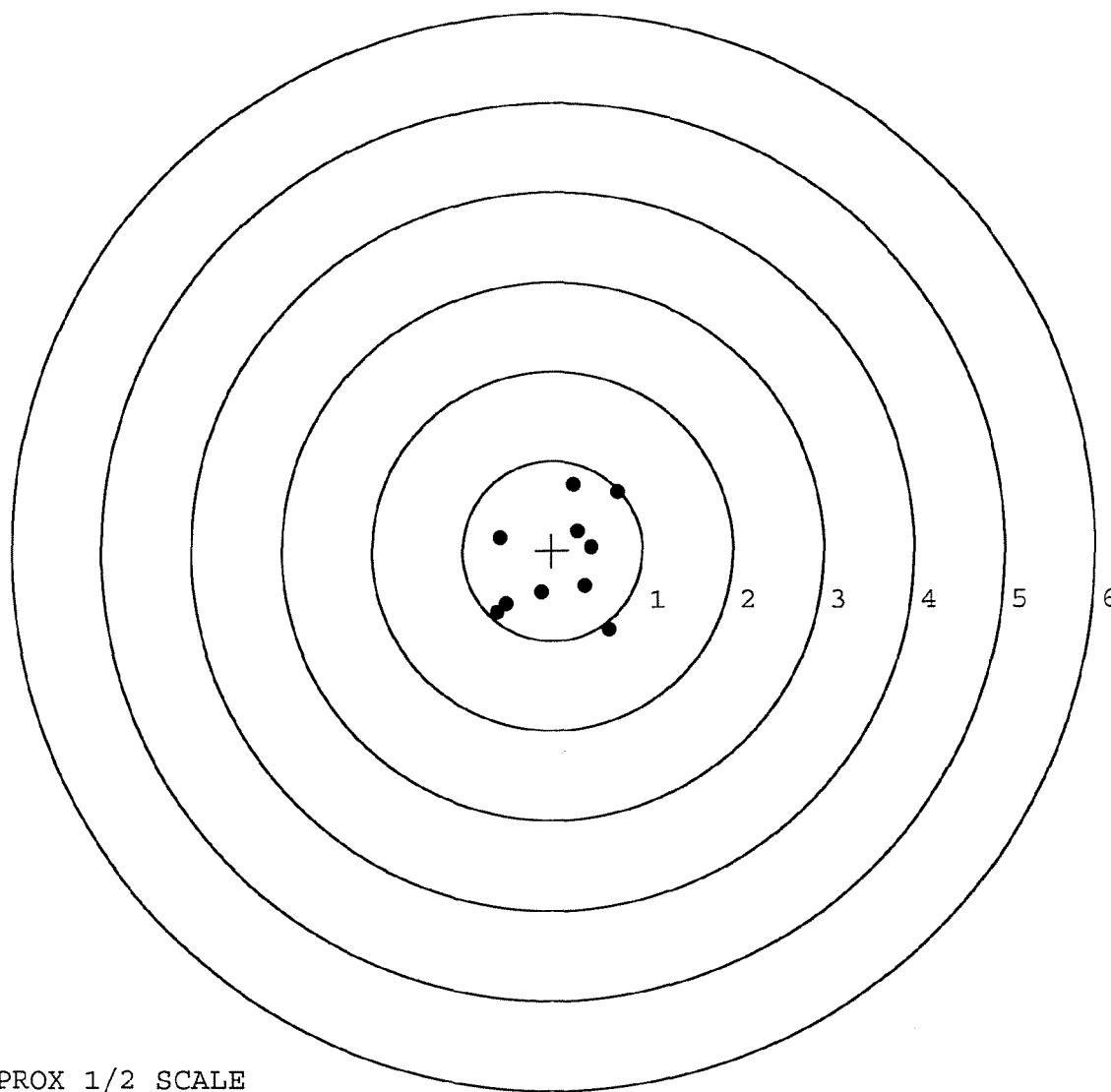
MAX RADIUS: 1.010

MEAN RADIUS: 0.677

# IN 1 IN DIAMETER: 4

# IN 2 IN DIAMETER: 9

# in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349209. \_\_0

TARGET NUMBER: 5

FILE DATE: 11/13/2006

FILE TIME: 23:37

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | -0.450 | 0.527  |
| 2:     | 0.646  | 0.510  |
| 3:     | 1.001  | -0.263 |
| 4:     | 0.077  | -0.501 |
| 5:     | 0.054  | -0.281 |
| 6:     | -0.453 | -0.089 |
| 7:     | -1.199 | -0.359 |
| 8:     | -0.875 | -0.587 |
| 9:     | -0.250 | -0.924 |
| 10:    | 0.479  | -0.848 |

X CENTROID: -0.097

Y CENTROID: -0.282

POA TO CENTROID: 0.298

HORZ SPREAD: 2.200

VERT SPREAD: 1.451

GROUP SPREAD: 2.202

MIN RADIUS: 0.151

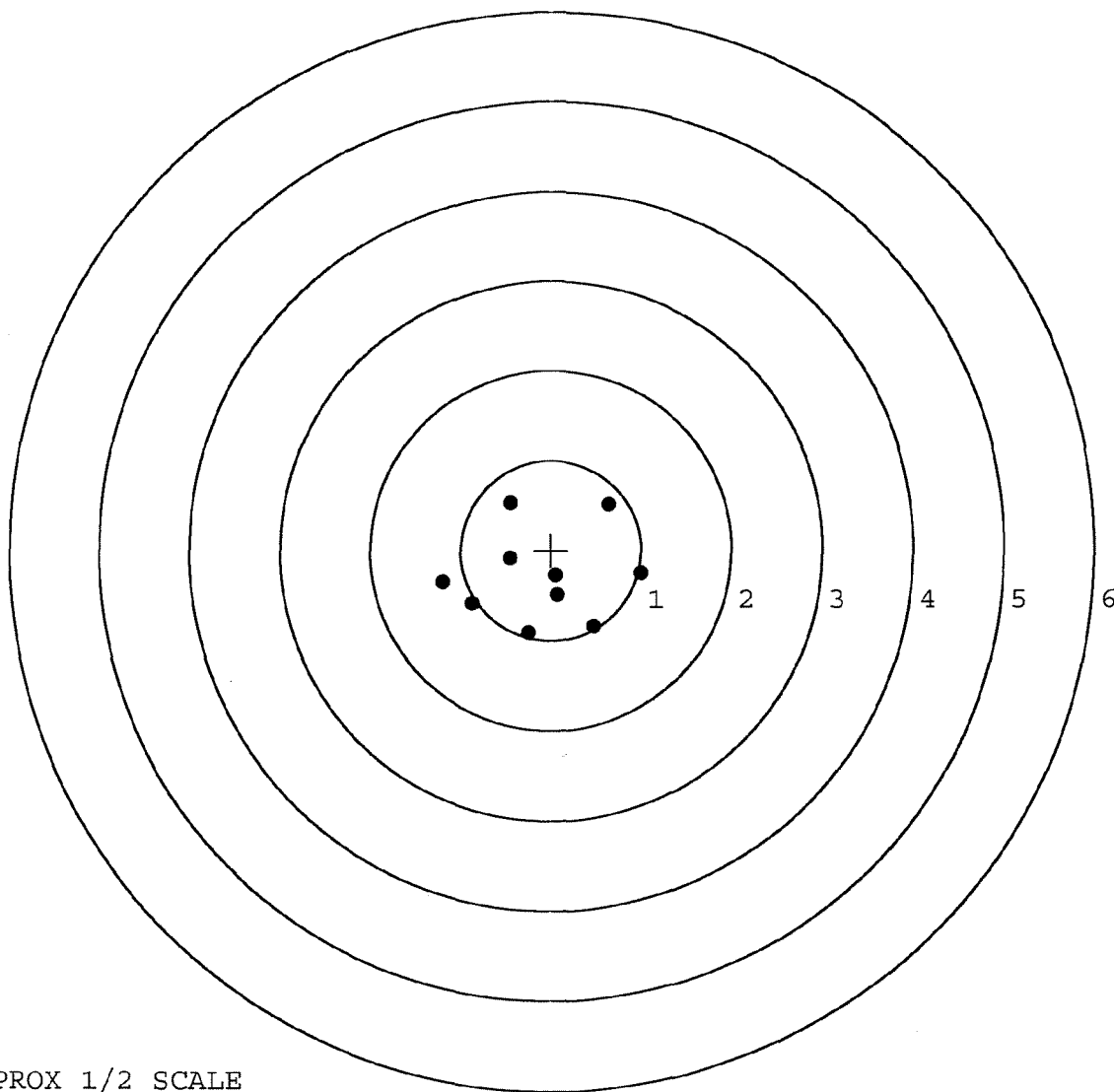
MAX RADIUS: 1.105

MEAN RADIUS: 0.731

# IN 1 IN DIAMETER: 3

# IN 2 IN DIAMETER: 7

# in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

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

|               |                      |                                           |                     |              |
|---------------|----------------------|-------------------------------------------|---------------------|--------------|
| R & E NUMBER  | 112532               |                                           |                     |              |
| SERIAL NUMBER | C6349209             |                                           | A-2                 |              |
| LOG-IN DATE   | 5-18-06              |                                           |                     |              |
| OPERATION #   | OPERATION NAME       |                                           | DATE                | INITIAL      |
| 500           | DIS-ASSEMBLE GUN     |                                           | 5-23-06             | RTZ          |
| 505           | RE-BARREL            |                                           | 5-26-06             | RTZ          |
| 560           | ASSEMBLE             |                                           | 5-30-06             | RTZ          |
| 600           | PROOF                | MAGNA-FLUX INSPECTED                      |                     |              |
| 605           | CHECK HEADSPACE      | MAGNA-FLUX INSPECTED                      |                     |              |
| 610           | DIS-ASSEMBLE GUN     | SEP 20 2006                               | 6-1-06              | RTZ          |
| 612           | MAGNAFLUX            | OPERATOR [Signature]                      | 6-2-06              | APD          |
| 510           | DRILL AND TAP        |                                           | 6-1-06              | TRW          |
| 615           | ROLLMARK CALIBER     | 9-20-06 CW                                | 6-2-06              | CW           |
| 618           | ROTO-BLAST           |                                           | 6-2-06              | LB           |
| 620           | APPLY COATINGS       | 9/20/06 TBS                               | 6/5/06              | TBS          |
| 625           | FINAL ASSEMBLY       |                                           | 11-11-06            | RTZ          |
| 640           | FUNCTION TEST AND    | PASS FAIL                                 | 11-13-06            | TRW          |
| 650           | TARGET               | PASS FAIL                                 | 11-13-06            | TRW          |
|               | MALFUNCTION          | CORRECTION                                |                     |              |
|               | MALFUNCTION          | CORRECTION                                |                     |              |
|               | MALFUNCTION          | CORRECTION                                |                     |              |
|               | MALFUNCTION          | CORRECTION                                |                     |              |
| 670           | FINAL INSPECTION     |                                           | 11-13-06            | SLC          |
|               | A) HEADSPACE         | PASS FAIL                                 | 11-14-06            | RTZ          |
|               | B) TRIGGER PULL      | +/- .5 LBS<br>MIN 2.50 LBS<br>MAX 4.0 LBS | 284 289 283 288 291 | 11-14-06 RTZ |
| 680           | F) SAFETY ON FORCE   | 2 LBS MIN<br>10 LBS MAX                   | 6° 6° 6°            | 11-14-06 RTZ |
|               | G) SAFETY OFF FORCE  | 2 LBS                                     | 2° 2° 2°            | 11-14-06 RTZ |
|               | I) FIRING PIN INDENT | .020                                      | .024 .024 .024      | 11-14-06 RTZ |
| 690           | PACK                 |                                           | 11-15-06            | RTZ          |




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

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

**MODEL 700™ H24**

**SERIAL NO. C6349209**

**ORDER NO. 5716**

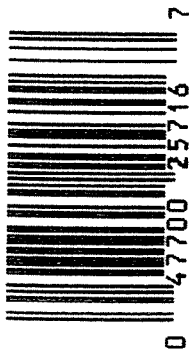
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.

Ø1



5716 C6349209

LPC



RC -20  
Replaced

M-24

INTERCHANGEABILITY

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6349209

| OP. #     | OP. NAME                                                 | READINGS                     | DATE     | INIT |
|-----------|----------------------------------------------------------|------------------------------|----------|------|
| 575 & 580 | Assemble Action and Stock                                | <div>QUALITY<br/>AUDIT</div> | 12-20 89 | RW   |
| 600       | Proof                                                    |                              | 12-20 89 | A    |
| 607       | Check Headspace                                          |                              | 12-20 89 | A    |
| 610       | Dis-assemble Gun                                         |                              | 12-20 89 | RW   |
| 612       | Magnaflux Barrel Action                                  |                              | 1-5-90   | KER  |
|           | Magnaflux Bolt                                           |                              | 1-5-90   |      |
| 615       | Rollmark Caliber                                         |                              | 1/31/90  | JS   |
| 617       | Drill and Tap Sight Holes                                |                              | 1/8/90   | FB   |
| 618       | Polish Barrel RB                                         |                              | 1/9/90   | WB   |
| 620       | Apply Coatings (Barrel Action)                           |                              | 1-5-90   | TA   |
|           | Apply Coating (Bolt)                                     |                              |          |      |
| 625       | Final Assembly                                           |                              |          |      |
|           | A) Clean inside of Bolt Assembly                         |                              | 1/17/90  | RW   |
|           | B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head |                              | 1/17/90  | RW   |
|           | C) Inspect Ejector Hole for Chamfer                      |                              | 1/17/90  | RW   |
|           | D) Oil Firing Pin Ass'y                                  |                              | 1/17/90  | RW   |
|           | E) Adjust Trigger Pull to Min Setting and Stake          |                              | 2/6/90   | JS   |

| op. #        | OP. NAME                                                    | READINGS |      |      |      |      | DATE      | INIT                      |
|--------------|-------------------------------------------------------------|----------|------|------|------|------|-----------|---------------------------|
| 625<br>cont. | F) Safety On Force                                          | 5        | 5    | 5    |      |      | 1-26-90   | JS                        |
|              | G) Safety Off Force                                         | 3        | 3    | 3    |      |      | 1-26-90   | JS                        |
|              | H) Trigger Pull Test & Retainability                        |          |      |      |      |      | 2/10/90   | JS                        |
|              | I) Firing Pin Indent                                        | .0225    | .022 | .022 |      |      | 1-26-90   | JS                        |
|              | J) Assemble Stock                                           |          |      |      |      |      | 1/29/90   | LW                        |
|              | K) Assemble Swivel Studs                                    |          |      |      |      |      | 3/13/90   | WB                        |
|              | L) Attach Front and Rear Sight Assemblies                   |          |      |      |      |      | 1/29/90   | LW                        |
|              | M) Iron Sight Alignment                                     |          |      |      |      |      | 1/29/90   | LW                        |
|              | N) Detach Front & Rear Sights & place in numbered container |          |      |      |      |      | 1/29/90   | LW                        |
|              | O) Attach Scope to Rifle                                    |          |      |      |      |      | 2/21/90   | WB                        |
|              | P) Detach & Attach Scope 20 Times                           |          |      |      |      |      | 2/21/90   | WB                        |
| 640          | Gallery Target & Test                                       |          |      |      |      |      | 2-28-90   | J.S.<br>TEMPORARY<br>HELP |
|              | A) Time                                                     |          |      |      |      |      |           | "                         |
|              | B) Malfunctions                                             |          |      |      |      |      |           | "                         |
|              | C) Pierced Primers                                          |          |      |      |      |      |           | "                         |
|              | D) Optical Clarity of Scope                                 |          |      |      |      |      |           | "                         |
| 645          | Inspect for Live Ammo                                       |          |      |      |      |      |           | "                         |
| 655          | Final Inspection                                            |          |      |      |      |      | 3/13/90   | WB                        |
|              | A) Headspace                                                |          |      |      |      |      |           |                           |
|              | B) Trigger Pull                                             | 2.27     | 2.53 | 2.46 | 2.21 | 2.38 | 3/13/90   | GS                        |
|              | C) Function                                                 |          |      |      |      |      | 3/13/90   | WB                        |
| 660          | Pack                                                        |          |      |      |      |      | 20 Mar 90 | JS                        |

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN  
INITIAL & CYCLE TESTS  
2.50# ± .50#  
3.00# ± .75#  
4.00# ± 1.00#

SERIAL NO. C6349209  
DATE 26 Jan 90  
TESTER JGS

|         | 2.50#<br>INITIAL | 2.50# AFTER<br>50 CYCLES | FINAL TEST &<br>TO RESET 2.50# |     | COMMENTS                                                               |
|---------|------------------|--------------------------|--------------------------------|-----|------------------------------------------------------------------------|
| PULL #1 | 220              | 204                      | 224                            | 222 | MIN. SETTING,<br>NO AVG. OF 5<br>READINGS ACCEPT-<br>ABLE LESS THAN 2# |
| PULL #2 | 239              | 231                      | 229                            | 253 |                                                                        |
| PULL #3 | 238              | 221                      | 230                            | 246 |                                                                        |
| PULL #4 | 269              | 235                      | 221                            | 221 |                                                                        |
| PULL #5 | 254              | 218                      | 203                            | 238 |                                                                        |
| TOTAL   | 1220             | 1109                     | 1102                           |     |                                                                        |
| AVG.    | 244              | 221.8                    | 220.4                          |     |                                                                        |

|         | 3.00#<br>INITIAL | 3.00# AFTER<br>20 CYCLES |  | COMMENTS |
|---------|------------------|--------------------------|--|----------|
| PULL #1 | 354              | 342                      |  |          |
| PULL #2 | 368              | 365                      |  |          |
| PULL #3 | 343              | 372                      |  |          |
| PULL #4 | 362              | 359                      |  |          |
| PULL #5 | 384              | 349                      |  |          |
| TOTAL   | 1811             | 1787                     |  |          |
| AVG.    | 362.2            | 357.4                    |  |          |

|         | 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 | 415              | 411                      |                                | 398                                  |
| PULL #2 | 409              | 402                      |                                | 389                                  |
| PULL #3 | 402              | 400                      |                                | 393                                  |
| PULL #4 | 401              | 403                      |                                | 382                                  |
| PULL #5 | 401              | 459                      |                                | 389                                  |
| TOTAL   | 2028             | 2073                     |                                | 1951                                 |
| AVG.    | 405.6            | 414.6                    |                                | 390.2                                |

CENTROIDAL DISTANCE CALCULATIONS  
FOR RIFLE # C6349209  
28 Feb 1990

CENTROIDAL DISTANCES

|      |   |         |
|------|---|---------|
| 0 TO | 1 | .43324  |
| 1 TO | 2 | .414519 |
| 1 TO | 3 | .475836 |
| 1 TO | 4 | .47731  |
| 1 TO | 5 | .633422 |

$\frac{4}{5}$  1 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1098  
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0398  
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .116791  
THE AMR FOR THIS RIFLE IS: .841

28 Feb 1998

FILE:/PATTERNING/CENTERFIRE\_PATT/08345203

# CENTERFIRE PATTERNS

# 1

POA

1in circle

2in circle

3in circle

# OF SHOTS = 10

# IN CIR

1in = 5

2in = 9

3in = 10

HS = 1.489

VS = 1.627

GS = 1.739

CENTROID \*

PATTERN #

1

SHOTS (BEST OF)

10

9

8

MAXIMUM X

.871

.859

.622

MINIMUM X

-.618

-.630

-.522

MAXIMUM Y

.394

.257

.244

MINIMUM Y

-1.233

-.399

-.412

CENTROID X

.416

.428

.321

CENTROID Y

-.121

.016

.029

POA TO CENTROID in.

.433

.428

.322

MIN RADIUS

.222

.194

.089

MEAN RADIUS

.584

.494

.418

MAX RADIUS

1.238

.865

.666

HORIZONTAL SPREAD

1.489

1.489

1.145

VERTICAL SPREAD

1.627

.656

.656

EXTREME SPREAD

1.739

1.531

1.229

NUMBER IN ONE INCH CIRCLE =

5

NUMBER IN TWO INCH CIRCLE =

9

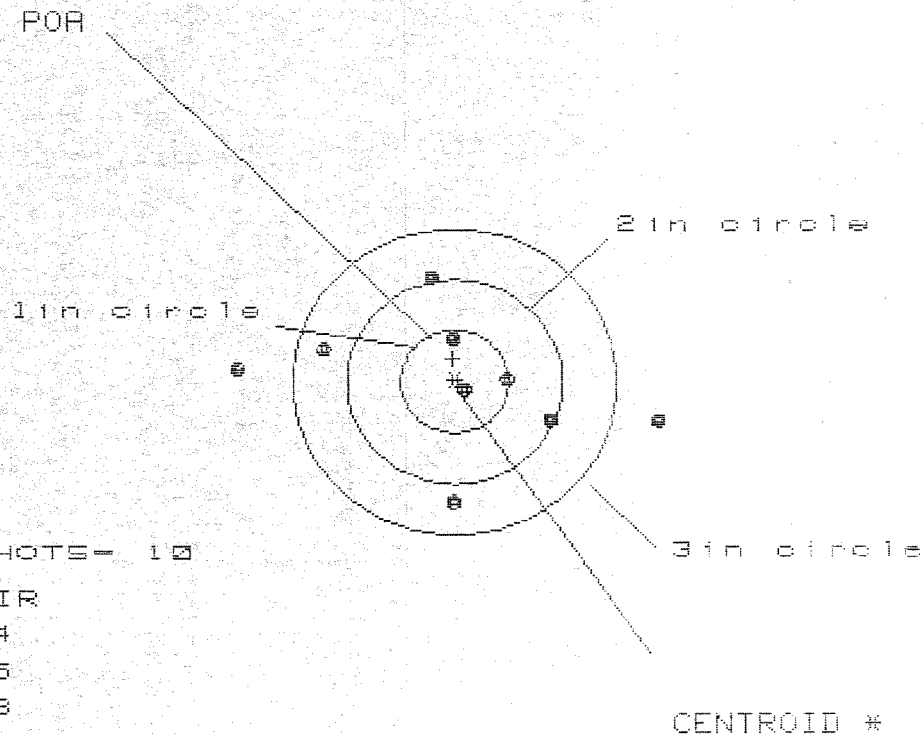
NUMBER IN THREE INCH CIRCLE =

10

28 Feb 1998

FILE:/PATTERNING/CENTERFIRE\_PATT/C6349203

# CENTERFIRE PATTERNS # 2



# OF SHOTS- 10

# IN CIR

1in = 4

2in = 5

3in = 8

HS= 3.904

VS= 2.216

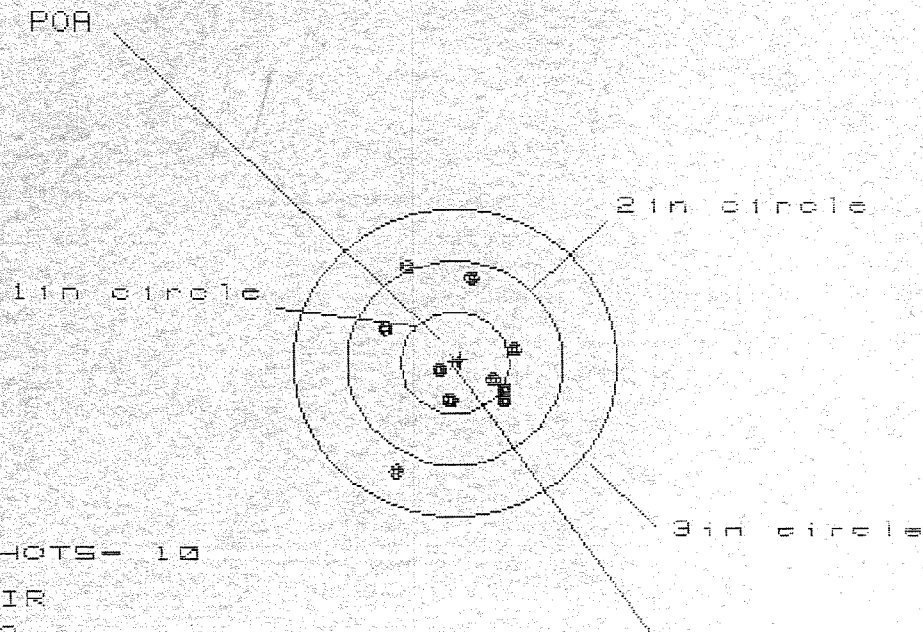
GS= 3.932

|                             |   |        |        |        |
|-----------------------------|---|--------|--------|--------|
| PATTERN #                   | : | 2      |        |        |
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | -1.907 | 1.685  | .911   |
| MINIMUM X                   | : | -1.997 | -1.462 | -1.251 |
| MAXIMUM Y                   | : | 1.061  | 1.075  | 1.035  |
| MINIMUM Y                   | : | -1.155 | -1.141 | -1.181 |
| CENTROID X                  | : | .015   | .237   | .026   |
| CENTROID Y                  | : | -.226  | -.240  | -.200  |
| POA TO CENTROID in.         | : | .226   | .338   | .202   |
| MIN RADIUS                  | : | .125   | .111   | .133   |
| MEAN RADIUS                 | : | .960   | .812   | .705   |
| MAX RADIUS                  | : | 2.001  | 1.715  | 1.286  |
| HORIZONTAL SPREAD           | : | 3.904  | 3.147  | 2.162  |
| VERTICAL SPREAD             | : | 2.216  | 2.216  | 2.216  |
| EXTREME SPREAD              | : | 3.932  | 3.215  | 2.260  |
| NUMBER IN ONE INCH CIRCLE   | = |        | 4      |        |
| NUMBER IN TWO INCH CIRCLE   | = |        | 5      |        |
| NUMBER IN THREE INCH CIRCLE | = |        | 8      |        |

28 Feb 1998

FILE:/PATTERNING/CENTERFIRE\_PATT/08349209

# CENTERFIRE PATTERNS # 3



# OF SHOTS- 10

# IN CIR

1 in - 3

2 in - 8

3 in - 10

HS= 1.221

VS= 2.016

GS= 2.075

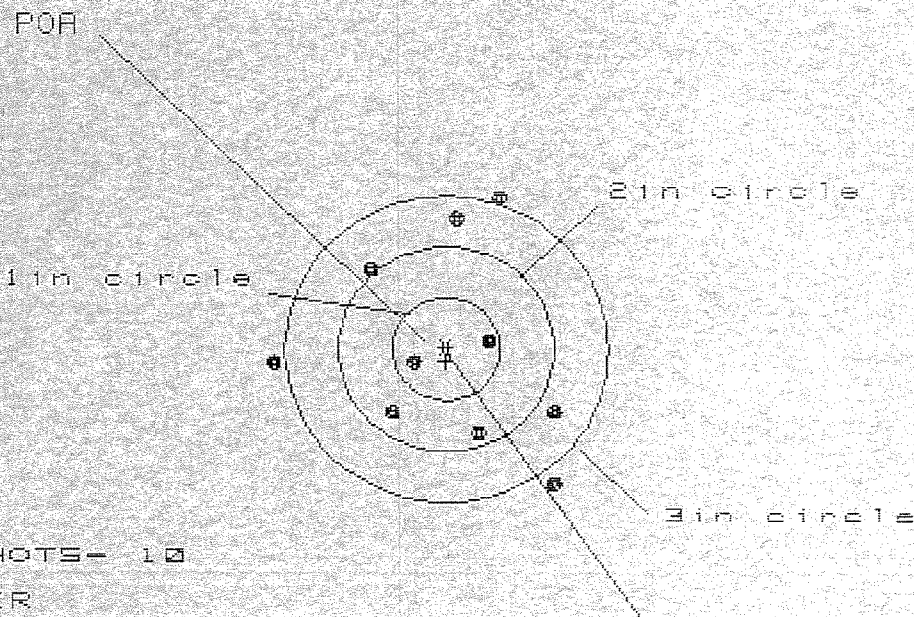
CENTROID #

| PATTERN #                     | : | 3      | 9     | 8     |
|-------------------------------|---|--------|-------|-------|
| SHOTS (BEST OF)               | : | 10     | 9     | 8     |
| MAXIMUM X                     | : | .527   | .461  | .392  |
| MINIMUM X                     | : | -.694  | -.760 | -.829 |
| MAXIMUM Y                     | : | .934   | .814  | .826  |
| MINIMUM Y                     | : | -1.082 | -.522 | -.420 |
| CENTROID X                    | : | -.052  | .014  | .083  |
| CENTROID Y                    | : | -.035  | .085  | -.017 |
| POA TO CENTROID in.           | : | .063   | .086  | .085  |
| MIN RADIUS                    | : | .108   | .225  | .244  |
| MEAN RADIUS                   | : | .644   | .584  | .500  |
| MAX RADIUS                    | : | 1.231  | .986  | .880  |
| HORIZONTAL SPREAD             | : | 1.221  | 1.221 | 1.221 |
| VERTICAL SPREAD               | : | 2.016  | 1.336 | 1.246 |
| EXTREME SPREAD                | : | 2.075  | 1.622 | 1.353 |
| NUMBER IN ONE INCH CIRCLE =   | : | 3      |       |       |
| NUMBER IN TWO INCH CIRCLE =   | : | 8      |       |       |
| NUMBER IN THREE INCH CIRCLE = | : | 10     |       |       |

26 Feb 1998

FILE:/PATTERNING/CENTERFIRE\_PATT/C6345209

# CENTERFIRE PATTERNS # 4



# OF SHOTS- 10

# IN CIR

1 in = 2

2 in = 4

3 in = 7

HS= 2.639

VS= 2.810

GS= 2.859

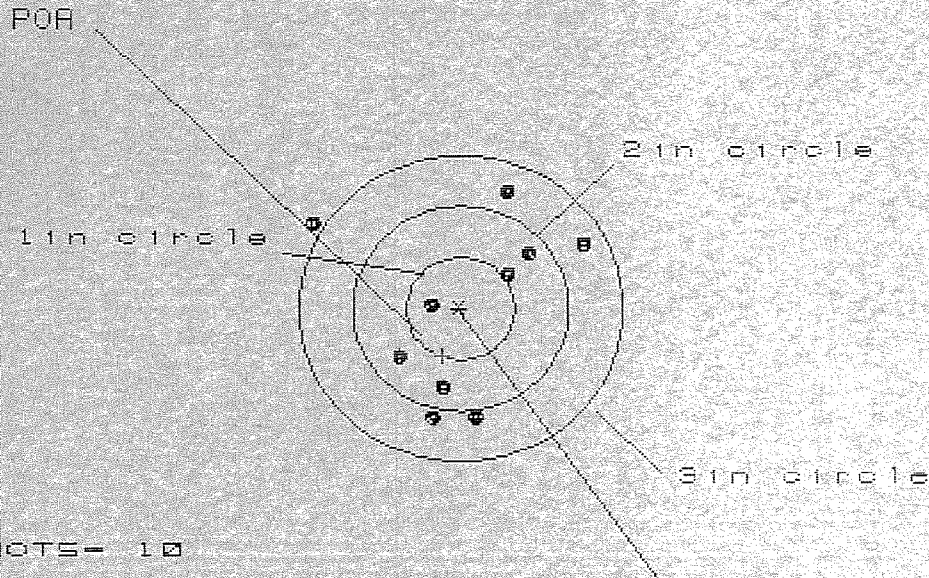
CENTROID #

| PATTERN #                   | : | 4      | 9      | 8     |
|-----------------------------|---|--------|--------|-------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8     |
| MAXIMUM X                   | : | 1.030  | 1.139  | .951  |
| MINIMUM X                   | : | -1.609 | -1.500 | -.832 |
| MAXIMUM Y                   | : | 1.466  | 1.317  | 1.282 |
| MINIMUM Y                   | : | -1.344 | -.925  | -.960 |
| CENTROID X                  | : | .004   | -.105  | .083  |
| CENTROID Y                  | : | .120   | .269   | .304  |
| POA TO CENTROID in.         | : | .120   | .289   | .315  |
| MIN RADIUS                  | : | .330   | .328   | .306  |
| MEAN RADIUS                 | : | 1.077  | 1.014  | .942  |
| MAX RADIUS                  | : | 1.661  | 1.526  | 1.335 |
| HORIZONTAL SPREAD           | : | 2.639  | 2.639  | 1.783 |
| VERTICAL SPREAD             | : | 2.810  | 2.242  | 2.242 |
| EXTREME SPREAD              | : | 2.859  | 2.688  | 2.324 |
| NUMBER IN ONE INCH CIRCLE   | = |        | 2      |       |
| NUMBER IN TWO INCH CIRCLE   | = |        | 4      |       |
| NUMBER IN THREE INCH CIRCLE | = |        | 7      |       |

28 Feb 1998

FILE:/PATTERNING/CENTERFIRE\_PATT/C8349289

# CENTERFIRE PATTERNS # 5



# OF SHOTS- 10

# IN CIR

1 in = 2

2 in = 5

3 in = 9

HS= 2.525

VS= 2.189

GS= 2.537

CENTROID #

| PATTERN #                   | : | 5      |       |       |
|-----------------------------|---|--------|-------|-------|
| SHOTS (BEST OF)             | : | 10     | 9     | 8     |
| MAXIMUM X                   | : | 1.174  | 1.024 | .581  |
| MINIMUM X                   | : | -1.351 | -.747 | -.619 |
| MAXIMUM Y                   | : | 1.106  | 1.203 | 1.294 |
| MINIMUM Y                   | : | -1.083 | -.986 | -.895 |
| CENTROID X                  | : | .166   | .316  | .188  |
| CENTROID Y                  | : | .461   | .364  | .273  |
| POA TO CENTROID in.         | : | .490   | .482  | .332  |
| MIN RADIUS                  | : | .240   | .407  | .334  |
| MEAN RADIUS                 | : | .940   | .862  | .792  |
| MAX RADIUS                  | : | 1.609  | 1.254 | 1.352 |
| HORIZONTAL SPREAD           | : | 2.525  | 1.771 | 1.200 |
| VERTICAL SPREAD             | : | 2.189  | 2.189 | 2.189 |
| EXTREME SPREAD              | : | 2.537  | 2.241 | 2.241 |
| NUMBER IN ONE INCH CIRCLE   | = |        | 2     |       |
| NUMBER IN TWO INCH CIRCLE   | = |        | 5     |       |
| NUMBER IN THREE INCH CIRCLE | = |        | 9     |       |

# INTERCHANGEABILITY

CENTROIDAL DISTANCE CALCULATIONS  
FOR RIFLE # C6349209  
16 Mar 1990

## CENTROIDAL DISTANCES

|      |   |          |
|------|---|----------|
| 0 TO | 1 | .05001   |
| 1 TO | 2 | .51914   |
| 1 TO | 3 | .342608  |
| 1 TO | 4 | .703341  |
| 1 TO | 5 | .0777817 |

$4 \frac{3}{2} \#$  <----POA

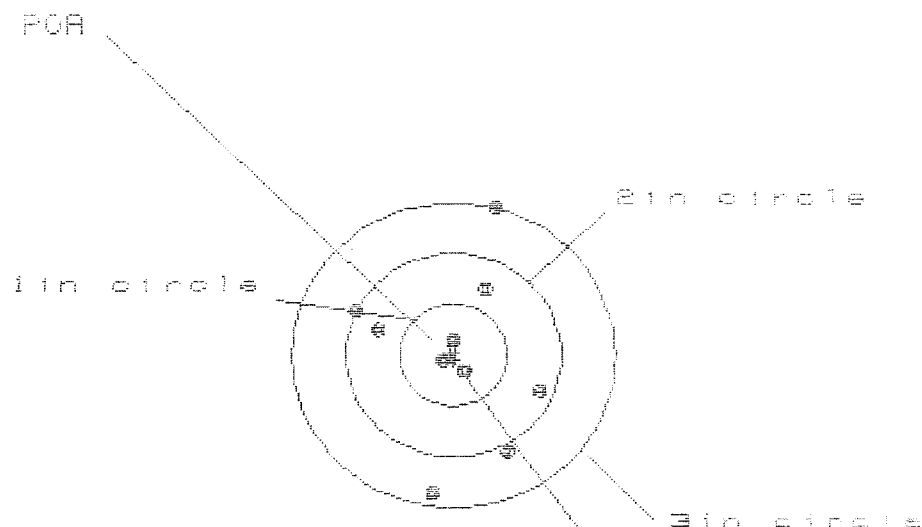
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.2628  
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0220  
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .263787

THE AMR FOR THIS RIFLE IS: .9314

16 Mar 1998

FILE:/PATTERNING/CENTERFIRE\_PATT/08848289.1

# CENTERFIRE PATTERNS # 1



# OF SHOTS = 10

# IN CIR

1in = 3

2in = 6

3in = 10

RS = 1.702

VS = 2.740

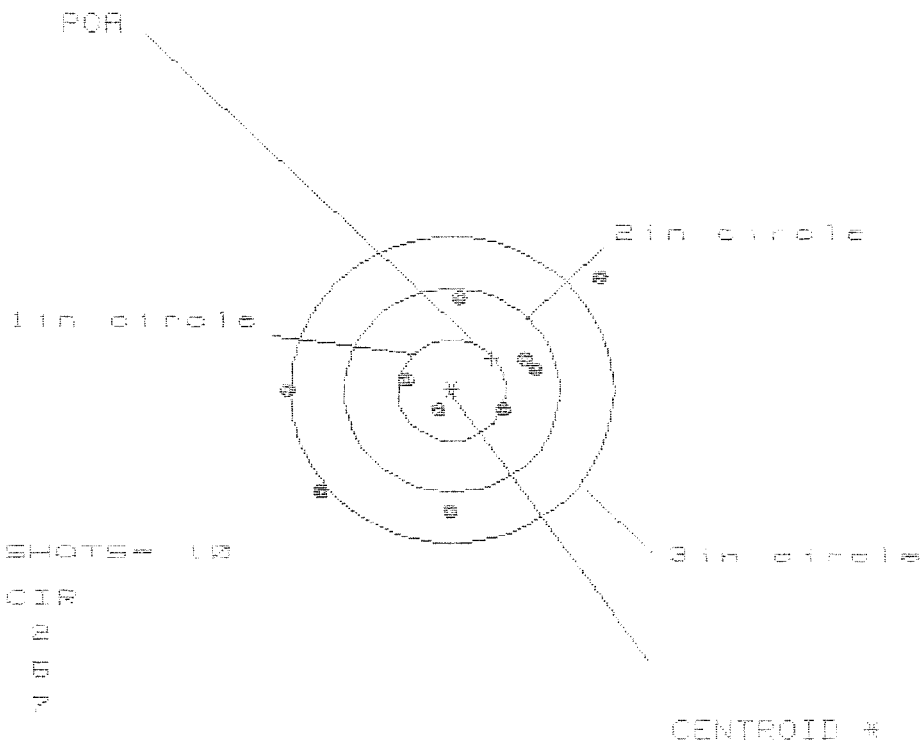
ES = 2.789

| PATTERN #                     | 1      | 2      | 3      |
|-------------------------------|--------|--------|--------|
| SHOTS (BEST OF)               | 10     | 9      | 8      |
| MAXIMUM X                     | .764   | .883   | .787   |
| MINIMUM X                     | -.938  | -.899  | -.915  |
| MAXIMUM Y                     | 1.416  | .786   | .641   |
| MINIMUM Y                     | -1.324 | -1.167 | -1.956 |
| CENTROID X                    | .001   | -.038  | -.022  |
| CENTROID Y                    | .050   | -.107  | .038   |
| POA TO CENTROID in.           | .050   | .114   | .044   |
| MIN RADIUS                    | .140   | .138   | .114   |
| MEAN RADIUS                   | .768   | .695   | .610   |
| MAX RADIUS                    | 1.460  | 1.174  | 1.095  |
| HORIZONTAL SPREAD             | 1.702  | 1.702  | 1.702  |
| VERTICAL SPREAD               | 2.740  | 1.953  | 1.597  |
| EXTREME SPREAD                | 2.789  | 2.018  | 2.018  |
| NUMBER IN ONE INCH CIRCLE =   | 3      |        |        |
| NUMBER IN TWO INCH CIRCLE =   | 6      |        |        |
| NUMBER IN THREE INCH CIRCLE = | 10     |        |        |

16 MAR 1998

FILE:/PATTERNING/CENTERFIRE\_PATT/C6849289.1

# CENTERFIRE PATTERNS # 2



# OF SHOTS = 10

# IN CIR

1 in = 2

2 in = 6

3 in = 7

HS = 2.973

VS = 2.343

GS = 3.384

PATTERN #

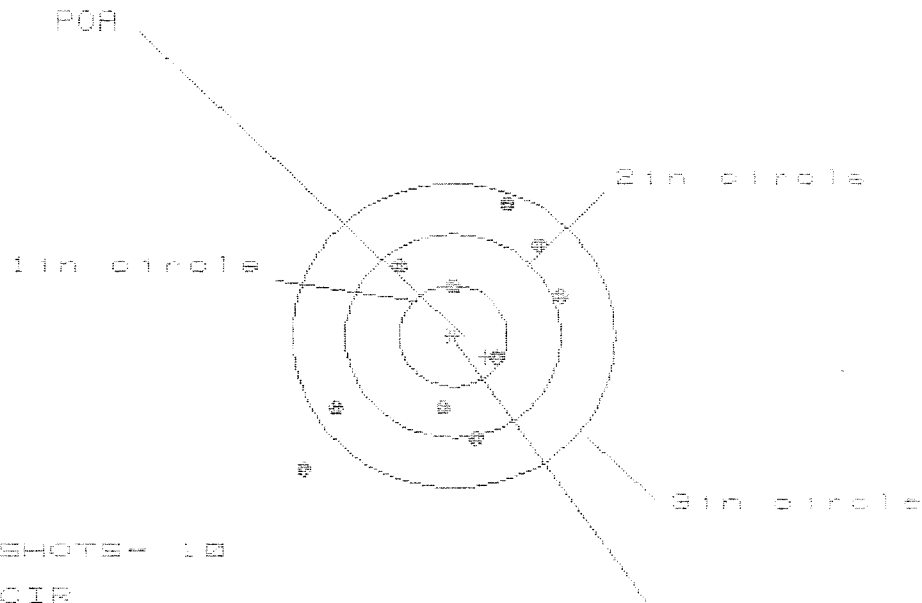
2

| SHOTS (BEST OF)               | 10     | 9      | 8      |
|-------------------------------|--------|--------|--------|
| MAXIMUM X                     | 1.399  | .891   | .753   |
| MINIMUM X                     | -1.574 | -1.418 | -1.536 |
| MAXIMUM Y                     | 1.106  | 1.058  | .948   |
| MINIMUM Y                     | -1.237 | -1.114 | -1.224 |
| CENTROID X                    | -.374  | -.538  | -.392  |
| CENTROID Y                    | -.309  | -.432  | -.322  |
| POA TO CENTROID in.           | .486   | .684   | .587   |
| MIN RADIUS                    | .274   | .181   | .253   |
| MEAN RADIUS                   | .998   | .894   | .814   |
| MAX RADIUS                    | 1.784  | 1.424  | 1.556  |
| HORIZONTAL SPREAD             | 2.973  | 2.369  | 2.309  |
| VERTICAL SPREAD               | 2.343  | 2.172  | 2.172  |
| EXTREME SPREAD                | 3.394  | 2.373  | 2.321  |
| NUMBER IN ONE INCH CIRCLE =   |        | 2      |        |
| NUMBER IN TWO INCH CIRCLE =   |        | 6      |        |
| NUMBER IN THREE INCH CIRCLE = |        | 7      |        |

18 Mar 1998

FILE:/PATTERNING/CENTERFIRE\_PATT/C8349283.1

# CENTERFIRE PATTERNS # 3



\* OF SHOTS = 10

# IN CIR

1in = 1

2in = 4

3in = 9

HE = 2.410

VE = 2.569

GE = 3.206

CENTROID \*

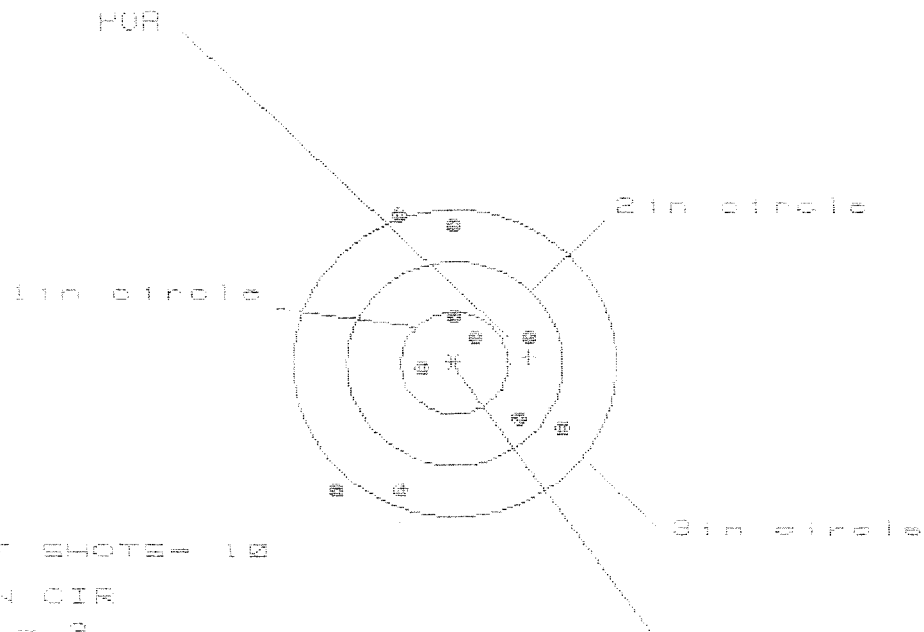
| PATTERN #                     | 1      | 2      | 3      |
|-------------------------------|--------|--------|--------|
| SHOTS (BEST OF)               | 10     | 9      | 8      |
| MAXIMUM X                     | 1.043  | .891   | .941   |
| MINIMUM X                     | -1.367 | -1.229 | -1.179 |
| MAXIMUM Y                     | 1.287  | 1.145  | .899   |
| MINIMUM Y                     | -1.282 | -1.123 | -.980  |
| CENTROID X                    | -.303  | -.151  | -.201  |
| CENTROID Y                    | .200   | .350   | .207   |
| POA TO CENTROID in.           | .367   | .382   | .289   |
| MIN RADIUS                    | .499   | .410   | .408   |
| MEAN RADIUS                   | 1.050  | .931   | .893   |
| MAX RADIUS                    | 1.874  | 1.482  | 1.363  |
| HORIZONTAL SPREAD             | 2.410  | 2.126  | 2.120  |
| VERTICAL SPREAD               | 2.569  | 2.268  | 1.879  |
| EXTREME SPREAD                | 3.206  | 2.557  | 2.451  |
| NUMBER IN ONE INCH CIRCLE =   | 1      |        |        |
| NUMBER IN TWO INCH CIRCLE =   | 4      |        |        |
| NUMBER IN THREE INCH CIRCLE = | 9      |        |        |

16 Mar 1988

FILE:/PATTERNING/CENTERFIRE\_PATT/06349293.1

# CENTERFIRE PATTERNS

# 4



# OF SHOTS- 10

# IN CIR

1in = 2

2in = 5

3in = 8

HS= 2.069

VS= 2.754

GS= 2.889

CENTROID \*

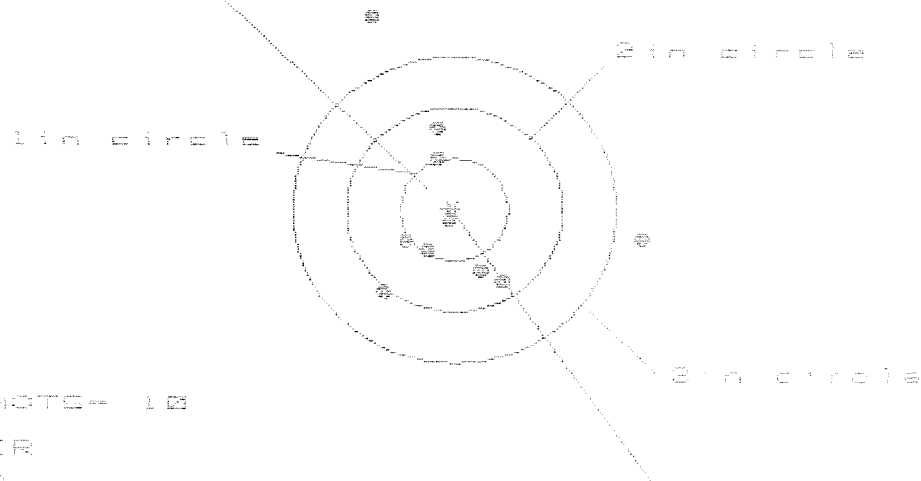
| PATTERN #                   | 1      | 4      | 9      | 8      |
|-----------------------------|--------|--------|--------|--------|
| SHOTS (BEST OF)             | 10     | 9      | 9      | 8      |
| MAXIMUM X                   | .979   | .858   | .775   | .775   |
| MINIMUM X                   | -1.090 | -1.665 | -1.683 | -1.683 |
| MAXIMUM Y                   | 1.464  | 1.321  | 1.414  | 1.414  |
| MINIMUM Y                   | -1.290 | -1.392 | -1.227 | -1.227 |
| CENTROID X                  | -.694  | -.573  | -.490  | -.490  |
| CENTROID Y                  | -.058  | .085   | -.086  | -.086  |
| POR TO CENTROID in.         | .697   | .579   | .497   | .497   |
| MIN RADIUS                  | .282   | .076   | .236   | .236   |
| MEAN RADIUS                 | .978   | .866   | .798   | .798   |
| MAX RADIUS                  | 1.688  | 1.516  | 1.431  | 1.431  |
| HORIZONTAL SPREAD           | 2.069  | 1.523  | 1.458  | 1.458  |
| VERTICAL SPREAD             | 2.754  | 2.713  | 2.641  | 2.641  |
| EXTREME SPREAD              | 2.889  | 2.714  | 2.681  | 2.681  |
| NUMBER IN ONE INCH CIRCLE   | =      | 2      |        |        |
| NUMBER IN TWO INCH CIRCLE   | =      | 5      |        |        |
| NUMBER IN THREE INCH CIRCLE | =      | 8      |        |        |

18 Mar 1998

FILE://PATTERNING/CENTERFIRE\_PATT/C6349209.J

# CENTERFIRE PATTERNS # 5

FOR



# OF SHOTS = 10

# IN CIR

1in = 2

2in = 7

3in = 9

HS = 2.505

VS = 2.696

GS = 3.317

CENTROID \*

| PATTERN #                   |   |        |        |        |
|-----------------------------|---|--------|--------|--------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | 1.720  | 1.633  | .528   |
| MINIMUM X                   | : | -1.785 | -1.728 | -1.524 |
| MAXIMUM Y                   | : | 1.877  | .979   | .968   |
| MINIMUM Y                   | : | -.822  | -.614  | -.625  |
| CENTROID X                  | : | .056   | .143   | -.061  |
| CENTROID Y                  | : | -.065  | 1.213  | -.282  |
| FOR TO CENTROID in.         | : | .056   | .257   | .212   |
| MIN RADIUS                  | : | .116   | .136   | .134   |
| MEAN RADIUS                 | : | .871   | .714   | .564   |
| MAX RADIUS                  | : | 2.035  | 1.636  | .969   |
| HORIZONTAL SPREAD           | : | 2.506  | 2.361  | 1.052  |
| VERTICAL SPREAD             | : | 2.699  | 1.593  | 1.593  |
| EXTREME SPREAD              | : | 3.317  | 2.419  | 1.679  |
| NUMBER IN ONE INCH CIRCLE   | = |        | 2      |        |
| NUMBER IN TWO INCH CIRCLE   | = |        | 7      |        |
| NUMBER IN THREE INCH CIRCLE | = |        | 8      |        |

**GFM**

CONTRACT # DAAA21-87-C-0086

*New Barrel*GUN SERIAL # *C6349209*

| OP. #        | OP. NAME                                                       | READINGS | DATE           | INIT      |
|--------------|----------------------------------------------------------------|----------|----------------|-----------|
| 575 &<br>580 | Assemble Action<br>and Stock                                   |          | <i>5/4/93</i>  | <i>RW</i> |
| 600          | Proof                                                          |          | <i>5/4/93</i>  | <i>RW</i> |
| 607          | Check Headspace                                                |          | <i>5/4/93</i>  | <i>RW</i> |
| 610          | Dis-assemble Gun                                               |          | <i>5/4/93</i>  | <i>RW</i> |
| 612          | Magnaflux Barrel<br>Action                                     |          |                |           |
|              | Magnaflux Bolt                                                 |          |                |           |
| 615          | Rollmark Caliber                                               |          |                |           |
| 617          | Drill and Tap Sight Holes                                      |          |                |           |
| 618          | Polish Barrel                                                  |          |                |           |
| 620          | Apply Coatings<br>(Barrel Action)                              |          |                |           |
|              | Apply Coating (Bolt)                                           |          |                |           |
| 625          | Final Assembly<br>A) Clean inside of<br>Bolt Assembly          |          | <i>5/17/93</i> | <i>RW</i> |
|              | B) Inspect Rear Firing<br>Pin Hole for Chamfer<br>in Bolt Head |          | <i>5/17/93</i> | <i>RW</i> |
|              | C) Inspect Ejector Hole<br>for Chamfer                         |          | <i>5/17/93</i> | <i>RW</i> |
|              | D) Oil Firing Pin Ass'y                                        |          |                |           |
|              | E) Adjust Trigger Pull to<br>Min Setting and Stake             |          |                |           |

| op. #        | OP. NAME                                                          | READINGS |  |  | DATE | INIT |
|--------------|-------------------------------------------------------------------|----------|--|--|------|------|
| 625<br>cont. | F) Safety On Force                                                |          |  |  |      |      |
|              | G) Safety Off Force                                               |          |  |  |      |      |
|              | H) Trigger Pull Test &<br>Retainability                           |          |  |  |      |      |
|              | I) Firing Pin Indent                                              |          |  |  |      |      |
|              | J) Assemble Stock                                                 |          |  |  |      |      |
|              | K) Assemble Swivel Studs                                          |          |  |  |      |      |
|              | L) Attach Front and Rear<br>Sight Assemblies                      |          |  |  |      |      |
|              | M) Iron Sight Alignment                                           |          |  |  |      |      |
|              | N) Detach Front & Rear<br>Sights & place in<br>numbered container |          |  |  |      |      |
|              | O) Attach Scope to Rifle                                          |          |  |  |      |      |
|              | P) Detach & Attach Scope<br>20 Times                              |          |  |  |      |      |
| J            | Gallery Target & Test                                             |          |  |  |      |      |
|              | A) Time                                                           |          |  |  |      |      |
|              | B) Malfunctions                                                   |          |  |  |      |      |
|              | C) Pierced Primers                                                |          |  |  |      |      |
|              | D) Optical Clarity of Scope                                       |          |  |  |      |      |
| 645          | Inspect for Live Ammo                                             |          |  |  |      |      |
| 655          | Final Inspection<br>A) Headspace                                  |          |  |  |      |      |
|              | B) Trigger Pull                                                   |          |  |  |      |      |
|              | C) Function                                                       |          |  |  |      |      |
| 660          | Pack                                                              |          |  |  |      |      |

CENTROIDAL DISTANCE CALCULATIONS  
FOR RIFLE # C6349209  
21 May 1993

CENTROIDAL DISTANCES

|        |         |
|--------|---------|
| 0 TO 1 | .448973 |
| 1 TO 2 | .90054  |
| 1 TO 3 | .70238  |
| 1 TO 4 | 1.64446 |
| 1 TO 5 | 1.05263 |

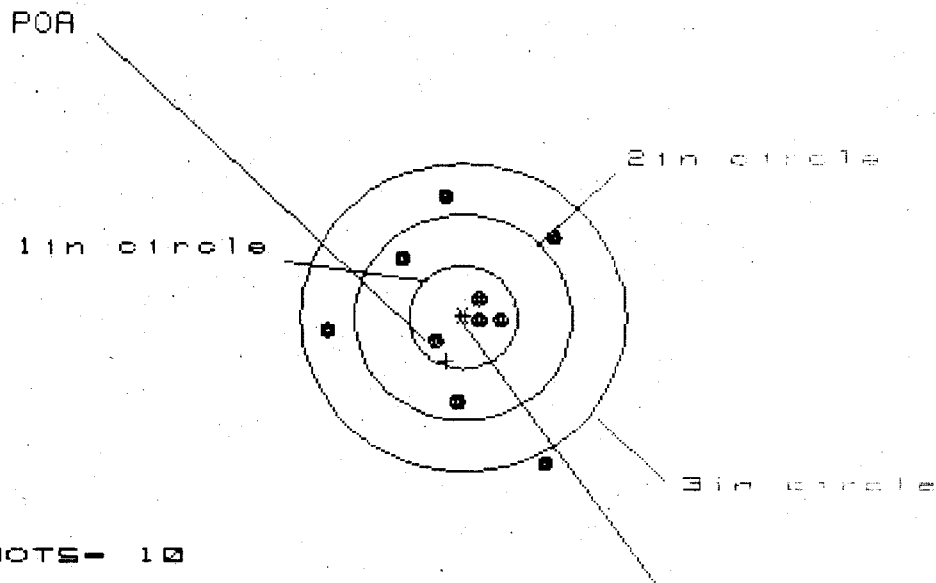
1 3  
2 + 5 <---- POB  
4

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .4418  
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.2456  
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .505477  
THE AMR FOR THIS RIFLE IS: .9556

21 May 1993

FILE:/PATTERNING/CENTERFIRE\_PATT/C6349289

# CENTERFIRE PATTERNS # 1



# OF SHOTS- 10

# IN CIR

1in = 4

2in = 6

3in = 9

HS= 2.109

VS= 2.583

GS= 2.757

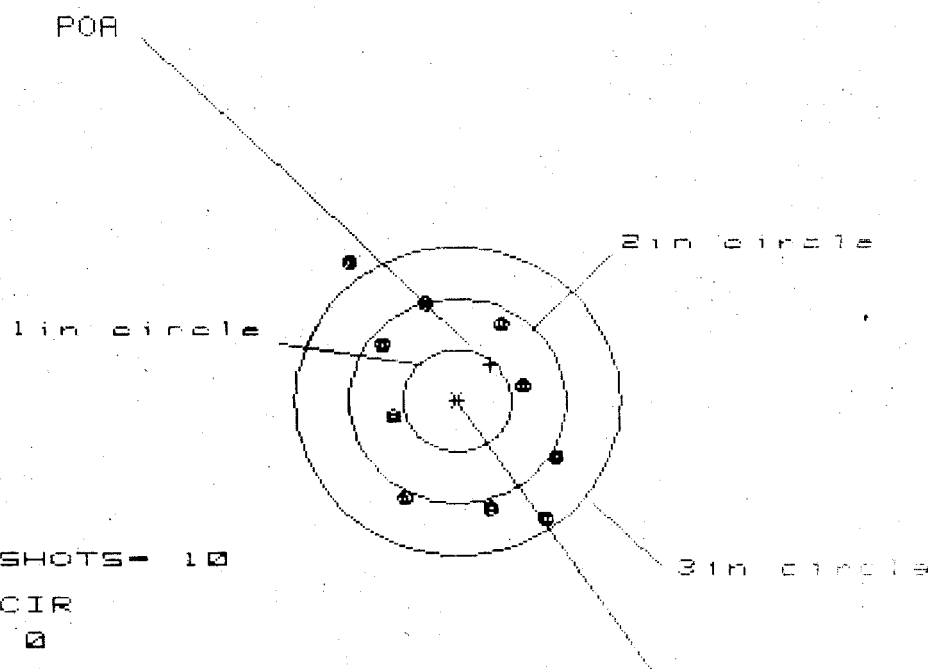
CENTROID #

|                             |   |        |        |        |
|-----------------------------|---|--------|--------|--------|
| PATTERN #                   | : | 1      |        |        |
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | .866   | .953   | .809   |
| MINIMUM X                   | : | -1.243 | -1.156 | -.564  |
| MAXIMUM Y                   | : | 1.199  | 1.045  | 1.005  |
| MINIMUM Y                   | : | -1.384 | -1.006 | -1.046 |
| CENTROID X                  | : | .156   | .069   | .213   |
| CENTROID Y                  | : | .421   | .575   | .615   |
| POA TO CENTROID in.         | : | .449   | .579   | .651   |
| MIN RADIUS                  | : | .119   | .247   | .100   |
| MEAN RADIUS                 | : | .785   | .706   | .621   |
| MAX RADIUS                  | : | 1.592  | 1.200  | 1.058  |
| HORIZONTAL SPREAD           | : | 2.109  | 2.109  | 1.373  |
| VERTICAL SPREAD             | : | 2.583  | 2.051  | 2.051  |
| EXTREME SPREAD              | : | 2.757  | 2.301  | 2.052  |
| NUMBER IN ONE INCH CIRCLE   | = |        | 4      |        |
| NUMBER IN TWO INCH CIRCLE   | = |        | 6      |        |
| NUMBER IN THREE INCH CIRCLE | = |        | 9      |        |

21 May 1993

FILE: PATTERNING/CENTERFIRE\_PATT/06349203

# CENTERFIRE PATTERNS # 2



# OF SHOTS- 10

# IN CIR

1 in - 0

2 in - 4

3 in - 9

HS- 1.938

VS- 2.456

GS- 3.030

|                             |   |        |        |        |
|-----------------------------|---|--------|--------|--------|
| PATTERN #                   | : | 2      |        |        |
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | .947   | .937   | .921   |
| MINIMUM X                   | : | -.991  | -.837  | -.855  |
| MAXIMUM Y                   | : | 1.307  | 1.113  | .937   |
| MINIMUM Y                   | : | -1.148 | -1.003 | -1.040 |
| CENTROID X                  | : | -.306  | -.196  | -.250  |
| CENTROID Y                  | : | -.352  | -.498  | -.372  |
| POA TO CENTROID in.         | : | .467   | .535   | .405   |
| MIN RADIUS                  | : | .606   | .573   | .611   |
| MEAN RADIUS                 | : | 1.023  | .944   | .900   |
| MAX RADIUS                  | : | 1.641  | 1.208  | 1.010  |
| HORIZONTAL SPREAD           | : | 1.938  | 1.674  | 1.074  |
| VERTICAL SPREAD             | : | 2.456  | 2.116  | 1.989  |
| EXTREME SPREAD              | : | 3.030  | 2.363  | 2.070  |
| NUMBER IN ONE INCH CIRCLE   | = | 0      |        |        |
| NUMBER IN TWO INCH CIRCLE   | = | 4      |        |        |
| NUMBER IN THREE INCH CIRCLE | = | 9      |        |        |

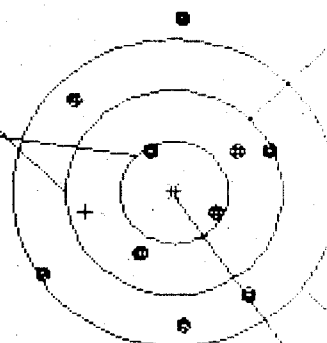
21 May 1993

FILE:/PATTERNING/CENTERFIRE\_PATT/06349289

# CENTERFIRE PATTERNS # 3

POA

1in circle



2in circle

3in circle

CENTROID #

# OF SHOTS- 10

# IN CIR

1in = 2

2in = 5

3in = 9

HS= 2.054

VS= 2.995

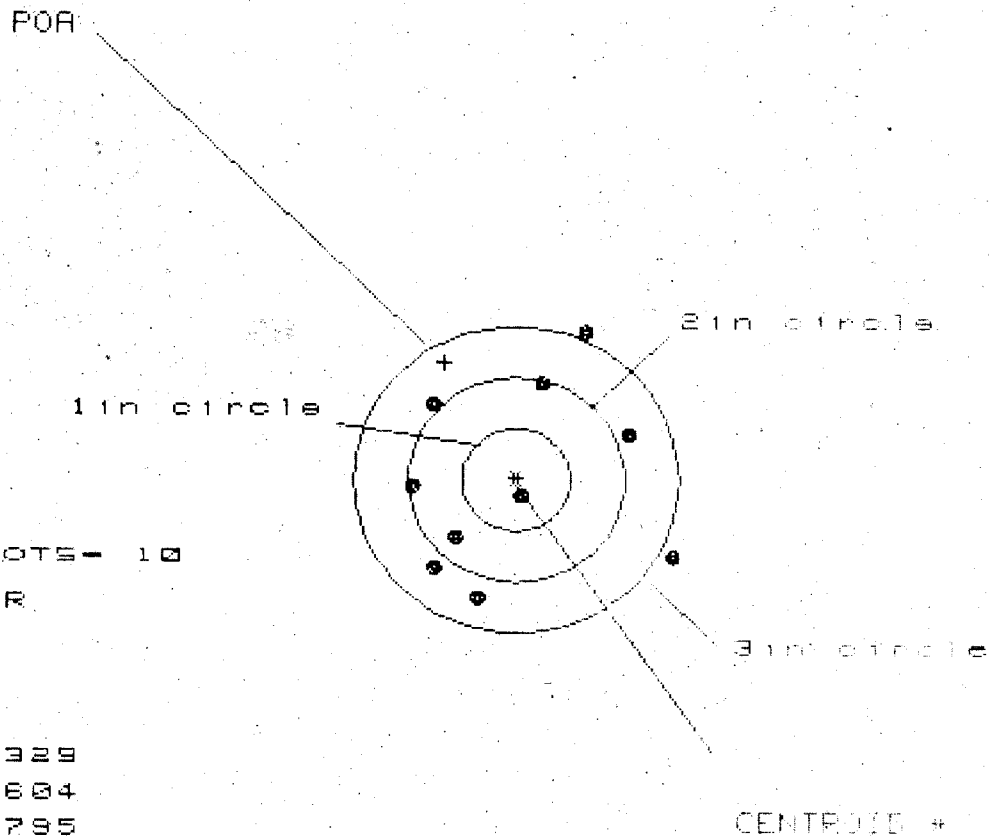
GS= 2.995

| PATTERN #                     | 10     | 9      | 8      |
|-------------------------------|--------|--------|--------|
| SHOTS (BEST OF)               | 10     | 9      | 8      |
| MAXIMUM X                     | .836   | .847   | .696   |
| MINIMUM X                     | -1.218 | -1.207 | -1.022 |
| MAXIMUM Y                     | 1.731  | 1.061  | .984   |
| MINIMUM Y                     | -1.264 | -1.071 | -1.149 |
| CENTROID X                    | .820   | .809   | .960   |
| CENTROID Y                    | .192   | -.001  | .076   |
| POA TO CENTROID in.           | .842   | .809   | .963   |
| MIN RADIUS                    | .404   | .357   | .226   |
| MEAN RADIUS                   | 1.006  | .913   | .831   |
| MAX RADIUS                    | 1.734  | 1.373  | 1.419  |
| HORIZONTAL SPREAD             | 2.054  | 2.054  | 1.718  |
| VERTICAL SPREAD               | 2.995  | 2.132  | 2.132  |
| EXTREME SPREAD                | 2.995  | 2.411  | 2.408  |
| NUMBER IN ONE INCH CIRCLE =   | 2      | 5      | 9      |
| NUMBER IN TWO INCH CIRCLE =   | 5      | 9      | 9      |
| NUMBER IN THREE INCH CIRCLE = | 9      | 9      | 9      |

21 May 1993

FILE: /PATTERNING/CENTERFIRE\_PAIT-00345c03

# CENTERFIRE PATTERNS # 4



# OF SHOTS - 10

# IN CIR

1 in = 1

2 in = 4

3 in = 8

HSI = 2.329

VS = 2.604

GS = 2.795

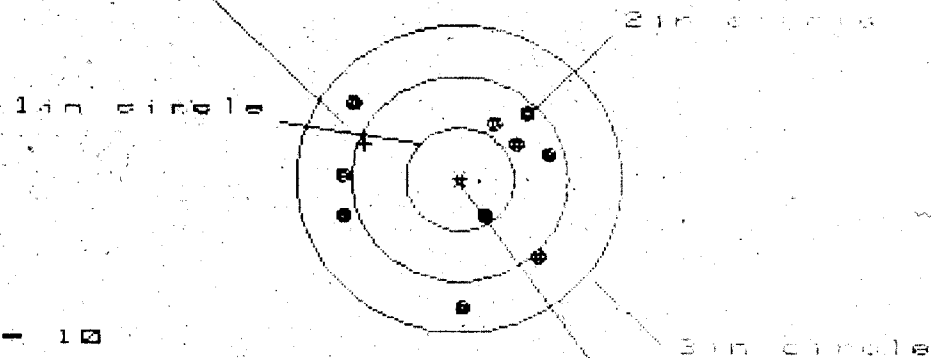
|                             |   |        |        |        |
|-----------------------------|---|--------|--------|--------|
| PATTERN #                   | : | 4      |        |        |
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | 1.413  | 1.485  | 1.284  |
| MINIMUM X                   | : | -.916  | -.844  | -.659  |
| MAXIMUM Y                   | : | 1.446  | 1.075  | 1.007  |
| MINIMUM Y                   | : | -1.158 | -.998  | -1.066 |
| CENTROID X                  | : | .661   | .589   | .404   |
| CENTROID Y                  | : | -1.144 | -1.304 | -1.236 |
| POA TO CENTROID in.         | : | 1.321  | 1.431  | 1.300  |
| MIN RADIUS                  | : | .194   | .107   | .305   |
| MEAN RADIUS                 | : | 1.052  | .962   | .870   |
| MAX RADIUS                  | : | 1.583  | 1.583  | 1.075  |
| HORIZONTAL SPREAD           | : | 2.329  | 2.329  | 1.943  |
| VERTICAL SPREAD             | : | 2.604  | 2.073  | 2.073  |
| EXTREME SPREAD              | : | 2.795  | 2.614  | 2.154  |
| NUMBER IN ONE INCH CIRCLE   | = |        | 1      |        |
| NUMBER IN TWO INCH CIRCLE   | = |        | 4      |        |
| NUMBER IN THREE INCH CIRCLE | = |        | 8      |        |

21 May 1993

FILE:/PATTERNING/CENTERFIRE\_PATT/06349285

# CENTERFIRE PATTERNS # 5

POA



# OF SHOTS- 10

# IN CIR

1in = 1

2in = 5

3in = 10

HS= 1.983

VS= 1.922

GS= 2.225

PATTERN #

5

SHOTS (BEST OF)

10

9

8

MAXIMUM X

.871

.761

.745

MINIMUM X

-1.112

-1.222

-1.238

MAXIMUM Y

.712

.769

.628

MINIMUM Y

-1.210

-1.131

-1.774

CENTROID X

.878

.988

1.004

CENTROID Y

-.345

-.424

-.283

POA TO CENTROID in.

.943

1.075

1.043

MIN RADIUS

.363

.248

.384

MEAN RADIUS

.912

.854

.802

MAX RADIUS

1.220

1.249

1.300

HORIZONTAL SPREAD

1.983

1.983

1.983

VERTICAL SPREAD

1.922

1.900

1.402

EXTREME SPREAD

2.225

2.078

2.078

NUMBER IN ONE INCH CIRCLE =

1

NUMBER IN TWO INCH CIRCLE =

5

NUMBER IN THREE INCH CIRCLE =

10

## RECEIVING AND ESTIMATING REPORT

COMMENTS

ORDER

R 93-10814

INITIAL CUSTOMER ORDER NO.

WOG 3 OF 3 FRED MARTIN/M24 SNIPER W/10X-M3A SCOPE

FPS

| DATE RECEIVED | DATE OPENED | DATE CODE  | SERIAL NUMBER | NEW SERIAL NUMBER | MODEL AND GRADE |
|---------------|-------------|------------|---------------|-------------------|-----------------|
| 04/28/93      | 04/28/93    | XJ 12-89   | C6349209      |                   | 700 7.62 NATO   |
| ACCESSORIES   | W/STUDS     | SCOPE MNTS | SCOPE BASE    |                   |                 |

FROM: SHIP TO:

DEPARTMENT OF THE ARMY  
USASCH DOL  
STOR BR, BLDG 2131  
SCHO BKS

HI 96857

DEPARTMENT OF THE ARMY  
USASCH DOL  
STOR BR, BLDG 2131  
SCHO BKSHI  
96857

L CUST NO: 078579 C.O.L.D L

ACCOUNT NUMBER

ACCOUNT NUMBER N/C

WRITE ☐

PROM. DATE

ESTIMATED

VIA

UPS

GUN CONDITION

- ☐ NEW  
☐ LIGHTLY WORN  
☐ WORN  
☐ VERY WORN  
☐ UNREPAIRABLE  
☐ MARRED

REPAIR CHARGE

EXCISE

TAX

INSURANCE

UPS

PARCEL POST

TOTAL

| CUSTOMER CONCERN | AMMO | FUNCTION | FINISH | ACCURACY | FIT | INSPECT |
|------------------|------|----------|--------|----------|-----|---------|
|------------------|------|----------|--------|----------|-----|---------|

|               |    |    |    |    |    |    |
|---------------|----|----|----|----|----|----|
| CYCLE         | A1 | B1 |    |    |    |    |
| TRIGGER GROUP |    | B2 |    |    | E1 | F1 |
| BOLT ASSY.    |    | B3 |    |    | E2 | F2 |
| BARREL ASSY.  |    | B4 |    | D1 | E3 | F3 |
| REC. ASSY.    |    | B5 |    | D2 | E4 | F4 |
| WOOD          |    |    | C1 | D3 | E5 | F5 |
| METAL         |    |    | C2 |    |    |    |

MAIN FAULT

Barrel Replacement

PARTS

COMMENTS

Re Zinc - Scope Rings, Scope Base &  
Survival Studs  
Re powder Coat - Floor plate, Latch,  
Trigger Guard, Front & Rear Sight  
Bases

| REPAIRMAN | PROOF | CLEAN | TEST | TARGET | PATTERN |
|-----------|-------|-------|------|--------|---------|
|-----------|-------|-------|------|--------|---------|

RW

✓

✓

✓

✓

| GALLERY TESTER | DATE | DATE | DATE | DATE | DATE |
|----------------|------|------|------|------|------|
|----------------|------|------|------|------|------|

RW

5/4/93

5/18/93

5/18/93

5/18/93

OFFICE COPY

RD5925 REV. 1/92

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER  
KINZER V. REMINGTON

M2400110290

WARNING: Unauthorized persons removing, detaching, or destroying this tag may be subject to a fine of not more than \$1,000 or imprisonment for not more than one year or both. (18 USC 1361)

PSN, PART NO. AND ITEM DESCRIPTION

1005-01-240-2136  
M24

UNSERVICEABLE (REPARABLE)  
TAG - MATERIEL

INSPECTION ACTIVITY

NAC 4/22 INF

CONDITION  
CODE

F

REASON FOR REPARABLE CONDITION

BARREL SERVICE

SERIAL NO./LOT NO.

C6349209/391365

UNIT OF  
ISSUE

EA

CONTRACT OR PURCHASE  
ORDER NO.

QUANTITY

1

REMARKS

NRTS

REMOVED FROM  
TAA  
DoI Maint Div 3017  
INSPECTOR'S NAME OR STAMP AND DATE 12 MAR 93  
Inspected By J. F. Omoso

DD FORM 1577-2 1-001 65  
U.S. GPO: 1995 - 081-243

## RECEIVING AND ESTIMATING REPORT

COMMENTS

ORDER  
R 94-26171

W/LEUPOLD 10X SCOPE M-24 SNIPER

INITIAL  
J.J.M.

CUSTOMER ORDER NO.

DATE RECEIVED  
09/12/94DATE OPENED  
09/13/94DATE CODE  
KN 5-93SERIAL NUMBER  
C6349209

NEW SERIAL NUMBER

MODEL AND GRADE  
700 7.62

NATO

ACCESSORIES

SCOPE MNTS

SCOPE BASE

FROM:

DEPARTMENT OF THE ARMY  
USASCH DOL  
STOR BR, BLDG 2131  
SCHO BKS

HI 96857

SHIP TO:

DEPARTMENT OF THE ARMY  
USASCH DOL  
STOR BR, BLDG 2131  
SCHO BKSHI  
96857

CUST NO: 078579 C.O.D.

ACCOUNT NUMBER

ACCOUNT NUMBER N/C

WRITE ☐

PROM. DATE

ESTIMATED

VIA

UPS

GUN CONDITION

- ☐ NEW  
☐ LIGHTLY WORN  
☐ WORN  
☐ VERY WORN  
☐ UNREPAIRABLE  
☐ MARRED

REPAIR CHARGE

EXCISE

TAX

INSURANCE

UPS

PARCEL POST

TOTAL

CUSTOMER CONCERN

AMMO

FUNCTION

FINISH

ACCURACY

FIT

INSPECT

CYCLE

A1

B1

TRIGGER GROUP

B2

E1

F1

BOLT ASSY.

B3

E2

F2

BARREL ASSY.

B4

D1

E3

F3

REC. ASSY.

B5

D2

E4

F4

WOOD

C1

D3

E5

F5

METAL

C2

MAIN FAULT

Bolt Handle Cracked

PARTS

COMMENTS

Bolt - 96005  
mag. Follower - 96014  
mag Spring 15677Mag follower & mag Spring  
Rusty

REPAIRMAN

PROOF

CLEAN

TEST

TARGET

PATTERN

GALLERY TESTER

DATE

DATE

DATE

DATE

DATE

OFFICE COPY

RD6925 REV. 1/94

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER  
KINZER V. REMINGTON

M2400110292