

6684 8383  
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**BARBER - M24** **M2400054723**

## INSPECTION CHECKLIST - REPAIRS

CONTRACT #: W52H09-07-C-0207

ISSUED 10/1/2007

R &amp; E NUMBER

172113

SERIAL NUMBER

E6703544

G6848383

LOG-IN DATE

7-30-09

| OPERATION # | OPERATION NAME       | DATE                      | INITIAL |
|-------------|----------------------|---------------------------|---------|
| 500         | DIS-ASSEMBLE GUN     | 8-5-09                    | RTZ     |
| 505         | RE-BARREL            | 9-4-09                    | RTZ     |
| 420         | ASSEMBLE             | 9-4-09                    | RTZ     |
| 440         | PROOF                | 9-4-09                    | S.P.D.  |
| 460         | CHECK HEADSPACE      | 9-4-09                    | S.P.D.  |
| 470         | DIS-ASSEMBLE GUN     | 9-4-09                    | S.P.D.  |
| 480         | MAGNAFLUX            | 9/10/09                   | (D)     |
| 510         | DRILL AND TAP        | 9-8-09                    | SP      |
| 500         | ROLLMARK CALIBER     | 9/10/09                   | SP      |
| 520         | GOFF BLAST BBL / REC | 9/10/09                   | SP      |
| 530 & 540   | APPLY COATINGS       | 9/16                      |         |
| 560         | FINAL ASSEMBLY       | 9-17-09                   | RTZ     |
| 640         | FUNCTION TEST AND    | 9-18-09                   | S.P.D.  |
| 650         | TARGET               | 9-18-09                   | S.P.D.  |
|             | MALFUNCTION          | CORRECTION                |         |
|             | MALFUNCTION          | CORRECTION                |         |
|             | MALFUNCTION          | CORRECTION                |         |
|             | MALFUNCTION          | CORRECTION                |         |
| 670         | FINAL INSPECTION     | 9-18-09                   | RT      |
|             | A) HEADSPACE         | PASS FAIL                 | 9/21/09 |
|             | B) TRIGGER PULL      | 2.167 2.69 2.64 2.69 2.67 | 9-21-09 |
| 680         | F) SAFETY ON FORCE   | 4° 4° 4°                  | 9/21/09 |
|             | G) SAFETY OFF FORCE  | 6° 6° 6°                  | 9/21/09 |
|             | I) FIRING PIN INDENT | .023 .023 .023            |         |
| 690         | PACK                 | 9/24/09                   | Fay     |

F006 REV 1/2009

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: G6848383.\_\_\_0  
FILE DATE AND TIME: 09/21/2009 08:00

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

|                                                             |        |
|-------------------------------------------------------------|--------|
| The Average X Centroid of the Five Target Set:              | -0.051 |
| The Average Y Centroid of the Five Target Set:              | -0.014 |
| The Average Point of Impact of the Five Target Set:         | 0.052  |
| The Average Mean Radius of the Five Target Set:             | 0.678  |
| The Distance from POA to Centroid Target #1:                | 0.159  |
| The Distance from Centroid Target #2 to Centroid Target #1: | 0.076  |
| The Distance from Centroid Target #3 to Centroid Target #1: | 0.121  |
| The Distance from Centroid Target #4 to Centroid Target #1: | 0.284  |
| The Distance from Centroid Target #5 to Centroid Target #1: | 0.223  |

SERIAL NUMBER: G6848383. \_\_0

TARGET NUMBER: 1

FILE DATE: 09/21/2009

FILE TIME: 08:00

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | -1.387 | 0.926  |
| 2:     | -0.738 | 0.714  |
| 3:     | -0.095 | 0.528  |
| 4:     | 0.341  | 0.922  |
| 5:     | -0.127 | 0.156  |
| 6:     | 0.076  | -0.069 |
| 7:     | -1.183 | -1.070 |
| 8:     | 0.087  | -1.362 |
| 9:     | 1.014  | -0.534 |
| 10:    | 1.245  | -1.605 |

X CENTROID: -0.077

Y CENTROID: -0.139

POA TO CENTROID: 0.159

HORZ SPREAD: 2.632

VERT SPREAD: 2.531

GROUP SPREAD: 3.651

MIN RADIUS: 0.168

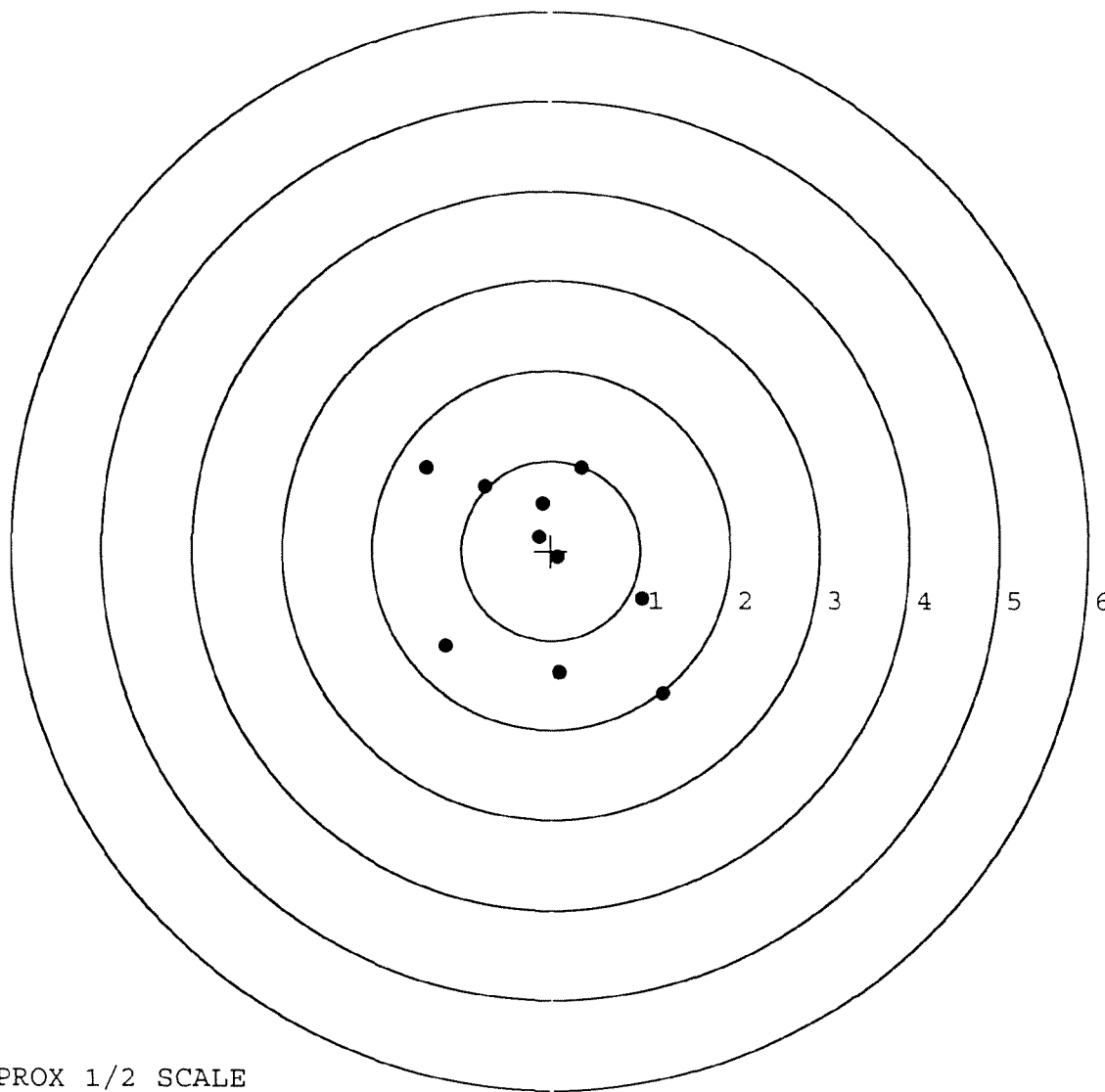
MAX RADIUS: 1.974

MEAN RADIUS: 1.086

# IN 1 IN DIAMETER: 2

# IN 2 IN DIAMETER: 3

# in 3 IN DIAMETER: 8



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6848383. \_\_0

TARGET NUMBER: 2

FILE DATE: 09/21/2009

FILE TIME: 08:00

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 0.280  | 0.524  |
| 2:     | 0.245  | -0.987 |
| 3:     | 0.000  | -0.629 |
| 4:     | 0.658  | -0.047 |
| 5:     | -0.833 | -0.339 |
| 6:     | -0.563 | -0.144 |
| 7:     | 0.044  | -0.039 |
| 8:     | -0.188 | 0.128  |
| 9:     | -0.076 | 0.412  |
| 10:    | 0.179  | 0.290  |

X CENTROID: -0.025

Y CENTROID: -0.083

POA TO CENTROID: 0.087

HORZ SPREAD: 1.491

VERT SPREAD: 1.511

GROUP SPREAD: 1.511

MIN RADIUS: 0.082

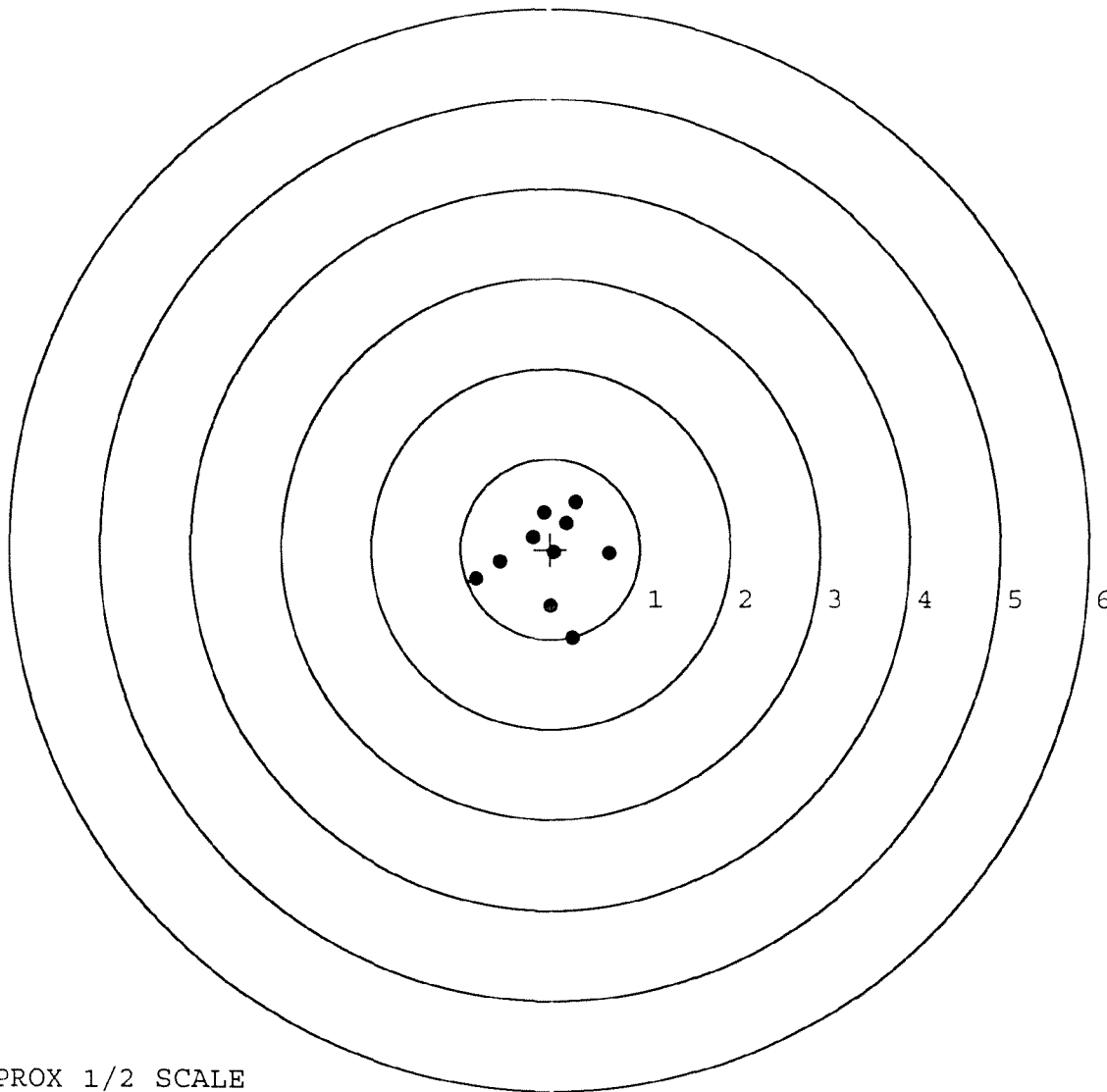
MAX RADIUS: 0.943

MEAN RADIUS: 0.551

# IN 1 IN DIAMETER: 4

# IN 2 IN DIAMETER: 10

# in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6848383. \_\_0

TARGET NUMBER: 3

FILE DATE: 09/21/2009

FILE TIME: 08:00

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 0.149  | -0.834 |
| 2:     | 0.473  | 0.256  |
| 3:     | 0.361  | 0.402  |
| 4:     | -0.696 | -0.083 |
| 5:     | -0.335 | -0.167 |
| 6:     | -0.343 | 0.201  |
| 7:     | -0.126 | 0.147  |
| 8:     | 0.021  | -0.212 |
| 9:     | 0.289  | -0.081 |
| 10:    | 0.088  | -0.005 |

X CENTROID: -0.012

Y CENTROID: -0.038

POA TO CENTROID: 0.039

HORZ SPREAD: 1.169

VERT SPREAD: 1.236

GROUP SPREAD: 1.254

MIN RADIUS: 0.105

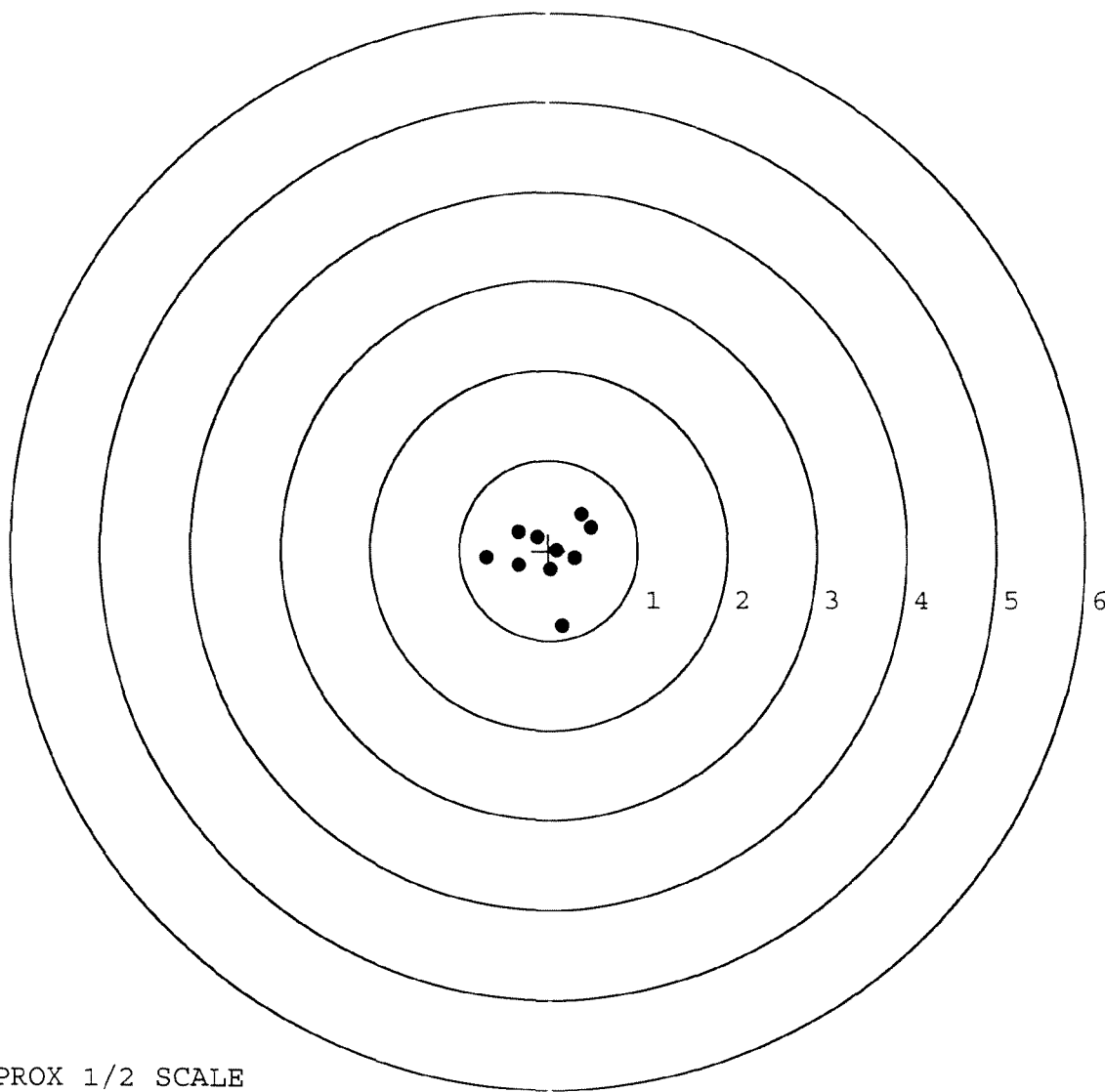
MAX RADIUS: 0.812

MEAN RADIUS: 0.420

# IN 1 IN DIAMETER: 6

# IN 2 IN DIAMETER: 10

# in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6848383. \_\_0

TARGET NUMBER: 4

FILE DATE: 09/21/2009

FILE TIME: 08:00

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 0.451  | 1.071  |
| 2:     | -0.445 | 0.933  |
| 3:     | -0.681 | 0.823  |
| 4:     | -0.877 | 0.330  |
| 5:     | -0.233 | -0.991 |
| 6:     | 0.334  | -0.255 |
| 7:     | -0.082 | -0.396 |
| 8:     | -0.296 | -0.276 |
| 9:     | 0.039  | -0.098 |
| 10:    | 0.177  | 0.172  |

X CENTROID: -0.161

Y CENTROID: 0.131

POA TO CENTROID: 0.208

HORZ SPREAD: 1.328

VERT SPREAD: 2.062

GROUP SPREAD: 2.172

MIN RADIUS: 0.304

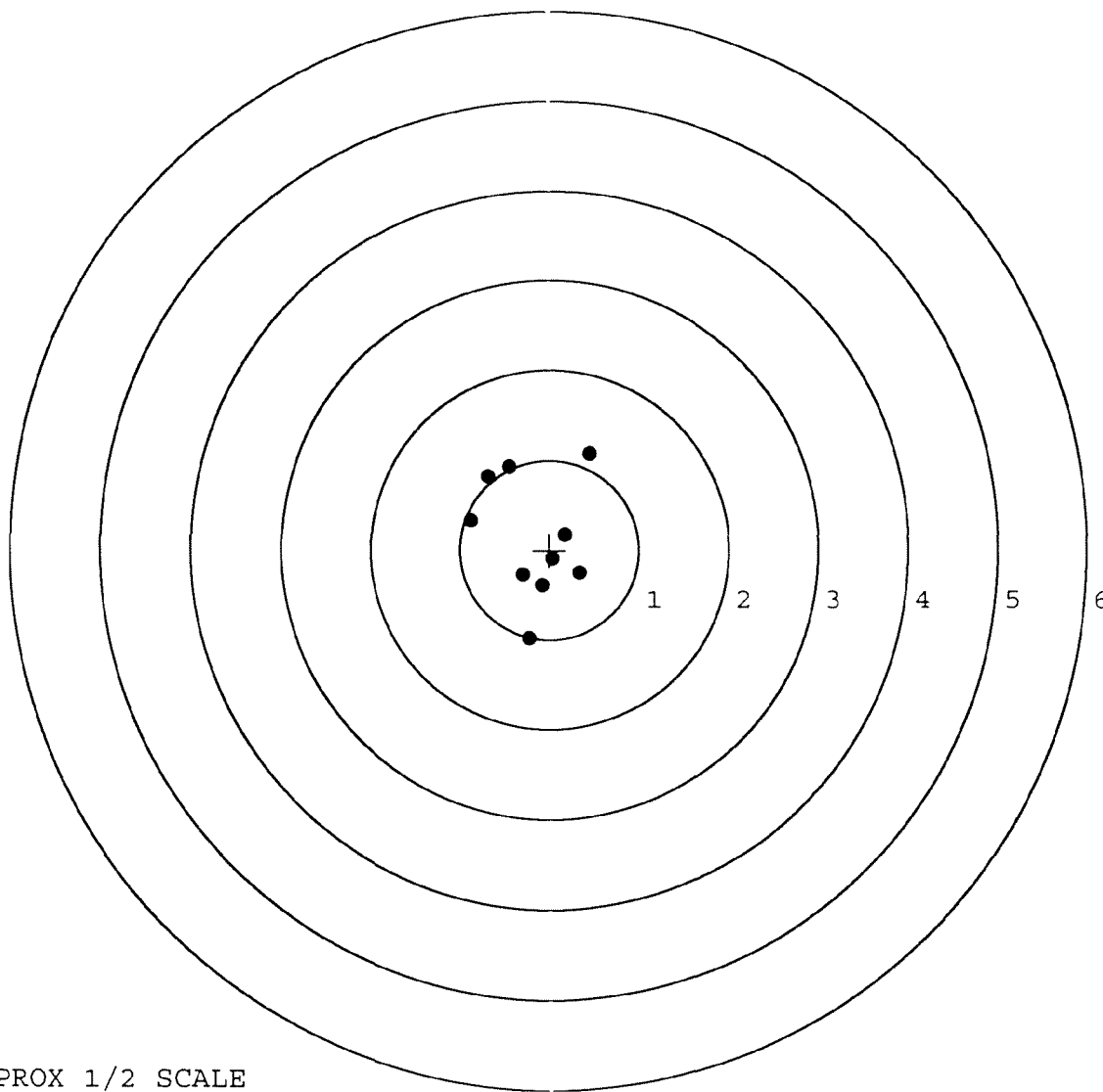
MAX RADIUS: 1.125

MEAN RADIUS: 0.694

# IN 1 IN DIAMETER: 3

# IN 2 IN DIAMETER: 8

# in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6848383. \_\_0

TARGET NUMBER: 5

FILE DATE: 09/21/2009

FILE TIME: 08:00

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | -0.732 | 0.920  |
| 2:     | 0.224  | 0.665  |
| 3:     | -0.128 | 0.244  |
| 4:     | 0.491  | 0.306  |
| 5:     | 0.684  | -0.595 |
| 6:     | 0.413  | -0.102 |
| 7:     | -0.962 | -0.448 |
| 8:     | -0.184 | -0.144 |
| 9:     | -0.165 | -0.434 |
| 10:    | 0.580  | 0.191  |

X CENTROID: 0.022

Y CENTROID: 0.060

POA TO CENTROID: 0.064

HORZ SPREAD: 1.646

VERT SPREAD: 1.515

GROUP SPREAD: 2.074

MIN RADIUS: 0.237

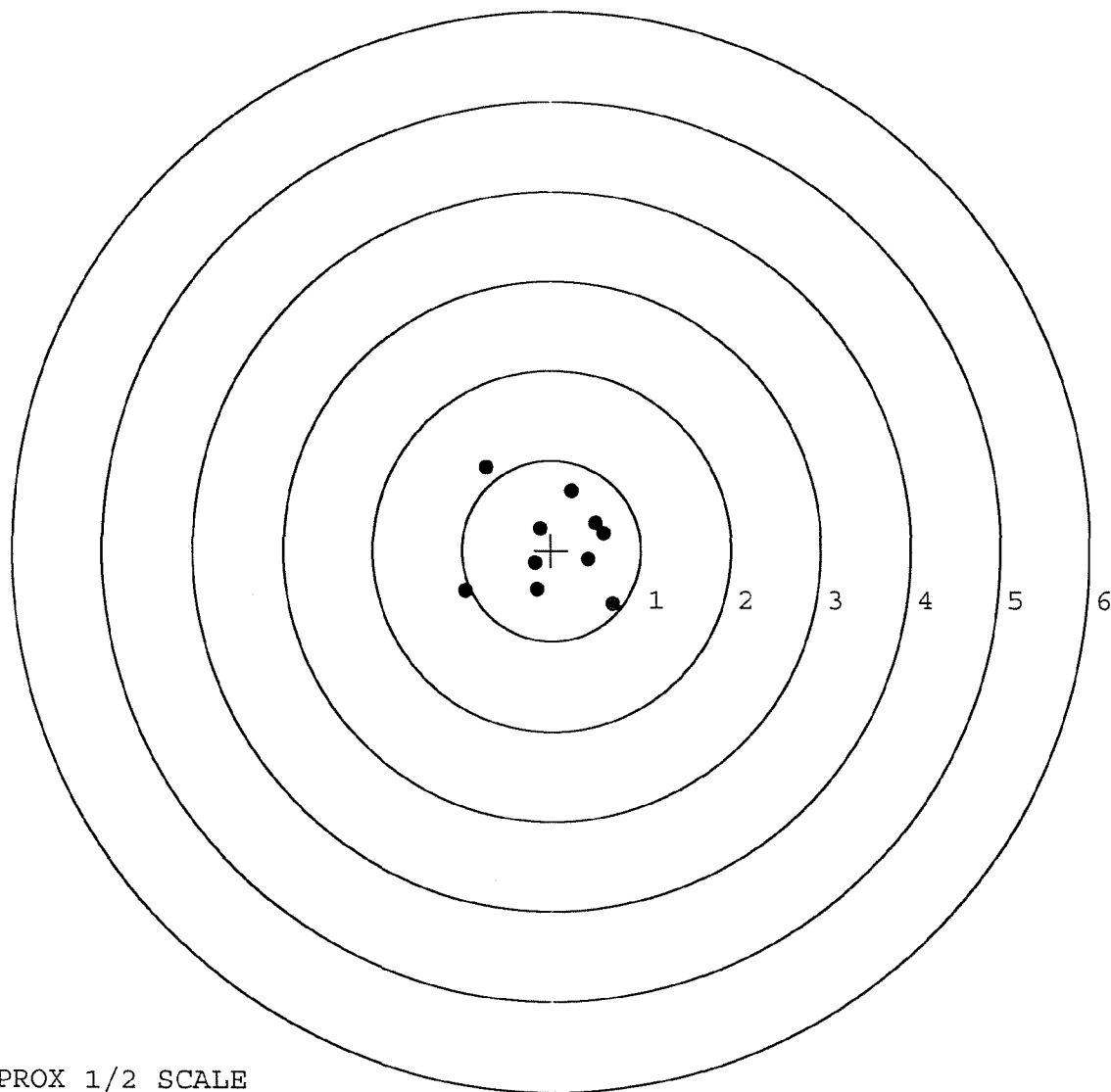
MAX RADIUS: 1.144

MEAN RADIUS: 0.640

# IN 1 IN DIAMETER: 3

# IN 2 IN DIAMETER: 8

# in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

**MODEL 700<sup>TH</sup> M24**  
**BOLT ACTION CENTERFIRE RIFLE**  
**24" BARREL 7.62 NATO**

**DOCUMENT ENVELOPE ASSEMBLY:**

- INSTRUCTION BOOK
- PRODUCT OWNER'S CARD
- SAFETY BOOKLET

**46 FORM 1444**

proof of purchase



owner registration sticker



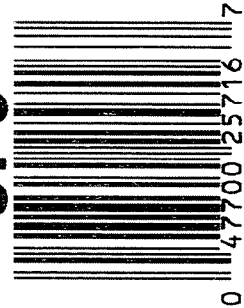
**ORDER NO. 25716**

**BARREL LENGTH 24"**

**CAPACITY 6**

**E6703544**

**UPC**



**Remington®**

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

**MODEL 700™ M24**  
**BOLT ACTION CENTERFIRE RIFLE**  
**24" BARREL 7.62 NATO**

SERIAL NO. **J**  
**E6703544**

46

ORDER NO.  
**25716**

Made in Ilion, NY Reg. U.S. Pat & tm. Off. Marca Registrada Marque Deposee.



5716 E6703544

**11CV**

**ORDER 25716**

MODEL 700<sup>TH</sup> M24

**UPC**



**ORDER 25716**

MODEL 700<sup>TH</sup> M24

**UPC**



SERIAL NO.



CONTRACT # DAAE20-01-C-0007

GUN SERIAL # E6703544

| OP #         | OPERATION NAME                                                 | READINGS | DATE    | INITIAL |
|--------------|----------------------------------------------------------------|----------|---------|---------|
| 575 &<br>580 | ASSEMBLE ACTION<br>AND STOCK                                   |          | 4-3-01  | CK      |
| 600          | PROOF                                                          |          | ↓       | ↓       |
| 607          | CHECK HEADSPACE                                                |          | ↓       | ↓       |
| 610          | DIS-ASSEMBLE GUN                                               |          |         |         |
| 612          | MAGNAFLUX BBL ACTION<br>MAGNAFLUX BOLT                         |          |         |         |
| 615          | ROLLMARK CALIBER                                               |          |         |         |
| 617          | DRILL AND TAP<br>SIGHT HOLES                                   |          | 3/22/01 | DA      |
| 618          | POLISH BARREL                                                  |          |         |         |
| 620          | APPLY COATINGS<br>(BARREL ACTION)                              |          |         |         |
|              | (BOLT)                                                         |          |         |         |
| 625          | FINAL ASSEMBLY<br>A) CLEAN INSIDE OF<br>BOLT ASSEMBLY          |          | 3/24/01 | DA      |
|              | B) INSPECT REAR FIRING<br>PIN HOLE FOR CHAMFER<br>IN BOLT HEAD |          | ↓       | ↓       |
|              | C) INSPECT EJECTOR<br>HOLE FOR CHAMFER                         |          | ↓       | ↓       |
|              | D) OIL FIRING PIN ASSEMBLY                                     |          | 4/4/01  | CK      |
|              | E) ADJUST TRIGGER PULL<br>TO MIN. SETTING AND<br>STAKE         |          | ..      | .       |

| OP #  | OPERATION NAME                                                        | READINGS                                                    | DATE   | INITIAL |
|-------|-----------------------------------------------------------------------|-------------------------------------------------------------|--------|---------|
| 625   | F) SAFETY ON FORCE                                                    | <u>8.0</u> <u>8.0</u> <u>7.5</u>                            | 4/5/01 | DA      |
| CONT. | G) SAFETY OFF FORCE                                                   | <u>3.0</u> <u>3.5</u> <u>3.5</u>                            | "      | "       |
|       | H) TRIGGER PULL TEST<br>AND RETAINABILITY                             |                                                             |        |         |
|       | I) FIRING PIN INDENT                                                  | <u>.023</u> <u>.021</u> <u>.023</u>                         | 4/5/01 | DA      |
|       | J) ASSEMBLE STOCK                                                     |                                                             | 4-3-01 | CLK     |
|       | K) ASSEMBLE SWIVEL<br>STUDS                                           |                                                             |        |         |
|       | L) ATTACH FRONT AND<br>REAR SIGHT ASSY'S                              |                                                             |        |         |
|       | M) IRON SIGHT<br>ALIGNMENT                                            |                                                             |        |         |
|       | N) DETACH FRONT AND<br>REAR SIGHTS AND PLACE<br>IN NUMBERED CONTAINER |                                                             |        |         |
| 640   | GALLERY TEST AND<br>TARGET                                            |                                                             | 4-4-01 | DA      |
|       | A) MALFUNCTIONS                                                       |                                                             | 4-4-01 | DA      |
|       | B) PIERCED PRIMERS                                                    |                                                             | 4-4-01 | DA      |
| 645   | INSPECT FOR LIVE AMMO                                                 |                                                             | 4-4-01 | DA      |
| 655   | FINAL INSPECTION<br>A) HEADSPACE                                      |                                                             | 4-5-01 | RW      |
|       | B) TRIGGER PULL                                                       | <u>2.30</u> <u>2.30</u> <u>2.29</u> <u>2.34</u> <u>2.34</u> | 4/5/01 | DA      |
|       | C) FUNCTION                                                           |                                                             |        |         |
| 660   | PACK                                                                  |                                                             | 4/6/01 | DA      |

AVERAGE PULL FORCE BETWEEN  
INITIAL & CYCLE TESTS

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

SERIAL NO. E6703544DATE 2-16-01TESTER DA

|         | 2.50#<br>INITIAL | 2.50# AFTER<br>50 CYCLES | FINAL TEST &<br>TO RESET 2.50# |       | COMMENTS                                                               |
|---------|------------------|--------------------------|--------------------------------|-------|------------------------------------------------------------------------|
| PULL #1 | 2.55             | 2.30                     |                                | 2.23  | MIN. SETTING,<br>NO AVG. OF 5<br>READINGS ACCEPT-<br>ABLE LESS THAN 2# |
| PULL #2 | 2.53             | 2.27                     |                                | 2.23  |                                                                        |
| PULL #3 | 2.28             | 2.29                     |                                | 2.26  |                                                                        |
| PULL #4 | 2.43             | 2.25                     |                                | 2.27  |                                                                        |
| PULL #5 | 2.46             | 2.28                     |                                | 2.21  |                                                                        |
| TOTAL   | 12.25            | 11.39                    |                                | 11.20 |                                                                        |
| AVG.    | 2.45             | 2.27                     |                                | 2.24  |                                                                        |

|         | 3.00#<br>INITIAL | 3.00# AFTER<br>20 CYCLES |  | COMMENTS |
|---------|------------------|--------------------------|--|----------|
| PULL #1 | 3.18             | 3.05                     |  |          |
| PULL #2 | 3.16             | 3.00                     |  |          |
| PULL #3 | 3.16             | 3.16                     |  |          |
| PULL #4 | 3.16             | 3.10                     |  |          |
| PULL #5 | 3.13             | 3.14                     |  |          |
| TOTAL   | 15.79            | 15.45                    |  |          |
| AVG.    | 3.15             | 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 | 4.30             | 4.14                     |                                | 4.32                                 |
| PULL #2 | 4.34             | 4.06                     |                                | 4.15                                 |
| PULL #3 | 4.31             | 4.22                     |                                | 4.00                                 |
| PULL #4 | 4.30             | 4.09                     |                                | 4.48                                 |
| PULL #5 | 4.30             | 4.22                     |                                | 4.00                                 |
| TOTAL   | 21.55            | 20.73                    |                                | 20.95                                |
| AVG.    | 4.31             | 4.14                     |                                | 4.19                                 |

**BARBER - M24 0054698**

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # E6703544

5 Apr 2001

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0172

THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1666

THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .167486

THE AMR FOR THIS RIFLE IS: 1.262

**CENTROIDAL DISTANCES**

|      |   |         |
|------|---|---------|
| 0 TO | 1 | .340931 |
| 1 TO | 2 | .222407 |
| 1 TO | 3 | .289277 |
| 1 TO | 4 | .31992  |
| 1 TO | 5 | .186387 |

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

**BARBER - M24 0054699**

REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: ☐ 1 ☐

POA TO CENTROID: .341

MIN RADIUS : .724

MEAN RADIUS : 1.508

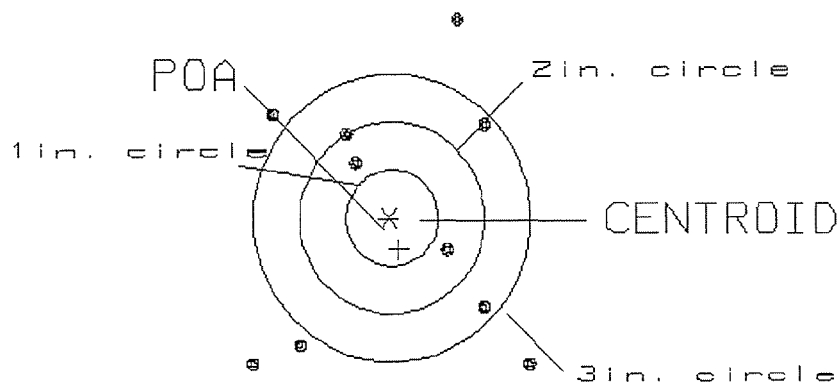
MAX RADIUS : 2.173

CENTROID X : -.103

CENTROID Y : .325

5 Apr 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire\_Patt/E6703544

**CENTERFIRE PATTERN # 1**

# OF SHOTS= 10

# IN CIRCLE

HS= 2.99

0

VS= 3.62

2

GS= 4.21

5

**BARBER - M24 0054700**

REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: 030

POA TO CENTROID: .264

MIN RADIUS : .325

MEAN RADIUS : 1.340

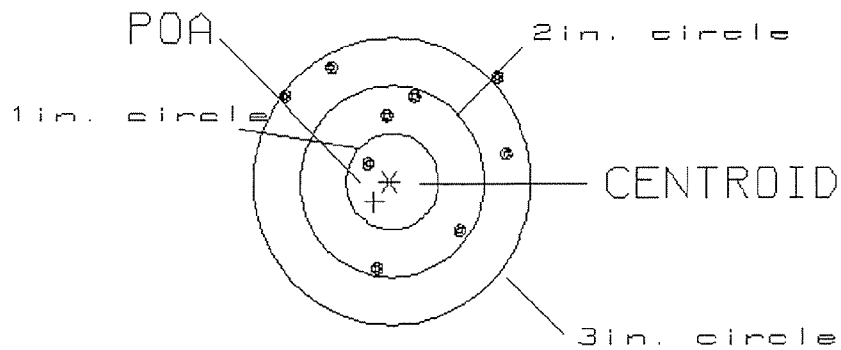
MAX RADIUS : 3.882

CENTROID X : .162

CENTROID Y : .209

5 Apr 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire\_Patt/E6703544.1.1

**CENTERFIRE PATTERN # 3**

# OF SHOTS= 10

# IN CIRCLE

HS= 2.41

1

VS= 4.97

5

GS= 5.27

8

**BARBER - M24 0054701**

REMINGTON CENTERFIRE ACCURACY TEST

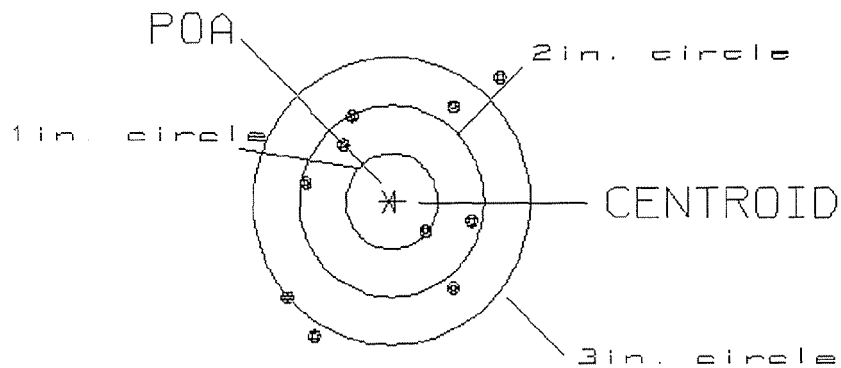
REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: ☐ 4 ☐  
 POA TO CENTROID: .068  
 MIN RADIUS : .472  
 MEAN RADIUS : 1.127  
 MAX RADIUS : 1.718  
 CENTROID X : -.068  
 CENTROID Y : .007

5 Apr 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire\_Patt/E6703544.1.1

CENTERFIRE PATTERN # 4



# OF SHOTS= 10

# IN CIRCLE

HS= 2.26  
 VS= 2.70  
 GS= 3.34

1  
 5  
 8

**BARBER - M24 0054702**

REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: ☐ 5 ☐

POA TO CENTROID: .181

MIN RADIUS : .091

MEAN RADIUS : 1.216

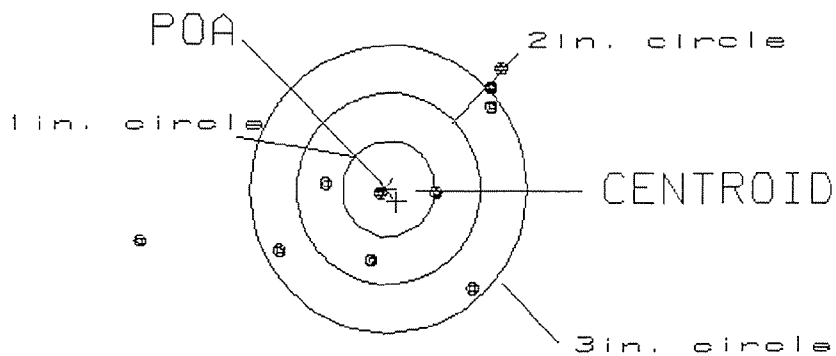
MAX RADIUS : 2.712

CENTROID X : -.115

CENTROID Y : .139

5 Apr 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire\_Patt/E6703544.1.1

**CENTERFIRE PATTERN # 5**

# OF SHOTS= 10

# IN CIRCLE

HS= 3.87

2

VS= 2.26

4

GS= 4.27

7