

G669 5395  
Replaces  
E 670 3498

## Arms Services Repair &amp; Estimate System

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

## Repair Inquiry

Repair Number: RE00146676

Serial: E6703498 Model M24 SWS Center Fire  
Caliber: 7.62 NATO

Repairman:

Verify Repair

Status:

Closed 6/20/2008 8:51:08 AM

## Address Information

Customer:

Received From

Return To:

Received From

Name: DEPT OF THE ARMY

DEPT OF THE ARMY

Address 1: HEADQUARTERS AND HEADQUARTERS CO

HEADQUARTERS AND HEADQUARTERS CO

Address 2: 1ST BN 5TH INFANTRY

PO Box:

1ST BN 5TH INFANTRY

PO Box:

City: FORT WRAINWRIGHT

FORT WRAINWRIGHT

State: AK

Zip Code: 99703

Country: US

State: AK

Zip Code: 99703

Country: US

FFL:

## Contact / Condition

## Problems

## Estimate

## History / Status

## Shipping / Billing

## Contact Information

Phone: NN

Fax:

Email:

Comments:

## Received Condition

Fair

Condition  
Notes:CSR  
Notes:

## Accessories Received

| Code | Desc              | Qty |
|------|-------------------|-----|
| A010 | Hard Case         | 1   |
| D000 | SCOPE & SCOPE BAS | 1   |

## Repair Search

Refresh

Close

nagletj

6/20/2008

9:09 AM

CAPS

NUM

INS

SCPL



2 Internet Ex...

3 Microsoft O...

8 Microsoft O...

Arms Services ...

9:09 AM

Number:

E6703498

Model: M24 SWS



RE00146676

INSPECTION CHECKLIST - REPAIRS  
CONTRACT #: W52H09-07-C-0207

| R & E NUMBER  | 146626               |                                                                                                                                                                                         |             |
|---------------|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| SERIAL NUMBER | 5669 5395            |                                                                                                                                                                                         |             |
| LOG-IN DATE   | 10-20-08             |                                                                                                                                                                                         |             |
| OPERATION #   | OPERATION NAME       | DATE                                                                                                                                                                                    | INITIAL     |
| 500           | DIS-ASSEMBLE GUN     | 6-24-08                                                                                                                                                                                 | RTZ         |
| 505           | RE-BARREL            |                                                                                                                                                                                         |             |
| 420           | ASSEMBLE             | 6-25-08                                                                                                                                                                                 | RSN         |
| 440           | PROOF                | 6-25-08                                                                                                                                                                                 | SD          |
| 460           | CHECK HEADSPACE      | 6-25-08                                                                                                                                                                                 | SD          |
| 470           | DIS-ASSEMBLE GUN     | 6-25-08                                                                                                                                                                                 | RP          |
| 480           | MAGNAFLUX            | 7-10-08                                                                                                                                                                                 | BAH         |
| 510           | DRILL AND TAP        | 7-7-08                                                                                                                                                                                  | TRW         |
| 500           | ROLLMARK CALIBER     | 7-9-08                                                                                                                                                                                  | RT          |
| 520           | GOFF BLAST BBL / REC | 7-11-08                                                                                                                                                                                 | DG          |
| 530 & 540     | APPLY COATINGS       | 7-15                                                                                                                                                                                    | CM          |
| 560           | FINAL ASSEMBLY       | 7-17-08                                                                                                                                                                                 | RTZ         |
| 640           | FUNCTION TEST AND    | (PASS) FAIL                                                                                                                                                                             | 7-18-08 TRW |
| 650           | TARGET               | (PASS) FAIL                                                                                                                                                                             | 7-18-08 TRW |
|               | MALFUNCTION          | CORRECTION                                                                                                                                                                              |             |
|               | MALFUNCTION          | CORRECTION                                                                                                                                                                              |             |
|               | MALFUNCTION          | CORRECTION                                                                                                                                                                              |             |
|               | MALFUNCTION          | CORRECTION                                                                                                                                                                              |             |
| 670           | FINAL INSPECTION     | 7-18-08                                                                                                                                                                                 | MED         |
|               | A) HEADSPACE         | (PASS) FAIL                                                                                                                                                                             | 7-21-08 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> 2.65 2.60 2.76 2.81 2787-21-08 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 6 6 7-21-08 RTZ                                     |             |
|               | G) SAFETY OFF FORCE  | <div style="border: 1px solid black; padding: 2px; display: inline-block;">             2 LBS<br/>MIN           </div> 3 3 3 7-21-08 RTZ                                                |             |
|               | I) FIRING PIN INDENT | <div style="border: 1px solid black; padding: 2px; display: inline-block;">             .020           </div> 021 022 021 7-21-08 RTZ                                                   |             |
| 690           | PACK                 | 7/23/08 FM                                                                                                                                                                              |             |

F006 REV 5/2006

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: G6695395.\_\_\_0  
FILE DATE AND TIME: 07/18/2008 12:17

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

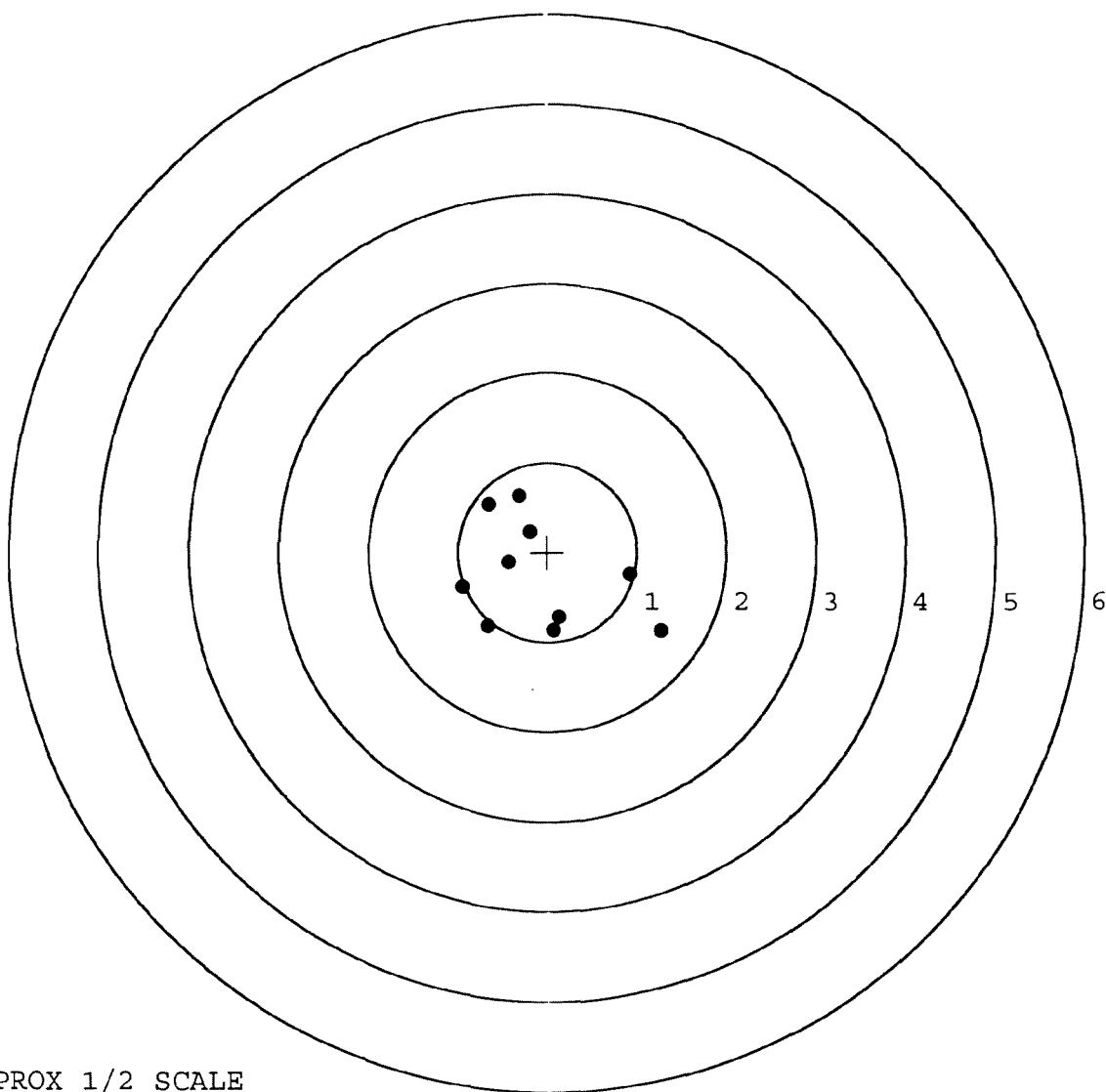
|                                                             |        |
|-------------------------------------------------------------|--------|
| The Average X Centroid of the Five Target Set:              | -0.014 |
| The Average Y Centroid of the Five Target Set:              | -0.061 |
| The Average Point of Impact of the Five Target Set:         | 0.063  |
| The Average Mean Radius of the Five Target Set:             | 0.740  |
| The Distance from POA to Centroid Target #1:                | 0.279  |
| The Distance from Centroid Target #2 to Centroid Target #1: | 0.328  |
| The Distance from Centroid Target #3 to Centroid Target #1: | 0.142  |
| The Distance from Centroid Target #4 to Centroid Target #1: | 0.346  |
| The Distance from Centroid Target #5 to Centroid Target #1: | 0.290  |

**BARBER - M24 0179838**

SERIAL NUMBER: G6695395. \_\_0  
 TARGET NUMBER: 1  
 FILE DATE: 07/18/2008  
 FILE TIME: 12:17

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 1.262  | -0.882 |
| 2:     | 0.920  | -0.248 |
| 3:     | 0.133  | -0.730 |
| 4:     | 0.069  | -0.874 |
| 5:     | -0.670 | -0.826 |
| 6:     | -0.948 | -0.388 |
| 7:     | -0.440 | -0.112 |
| 8:     | -0.194 | 0.231  |
| 9:     | -0.655 | 0.539  |
| 10:    | -0.318 | 0.627  |

X CENTROID: -0.084  
 Y CENTROID: -0.266  
 POA TO CENTROID: 0.279  
 HORZ SPREAD: 2.210  
 VERT SPREAD: 1.509  
 GROUP SPREAD: 2.386  
 MIN RADIUS: 0.388  
 MAX RADIUS: 1.480  
 MEAN RADIUS: 0.811  
 # IN 1 IN DIAMETER: 1  
 # IN 2 IN DIAMETER: 8  
 # in 3 IN DIAMETER: 10



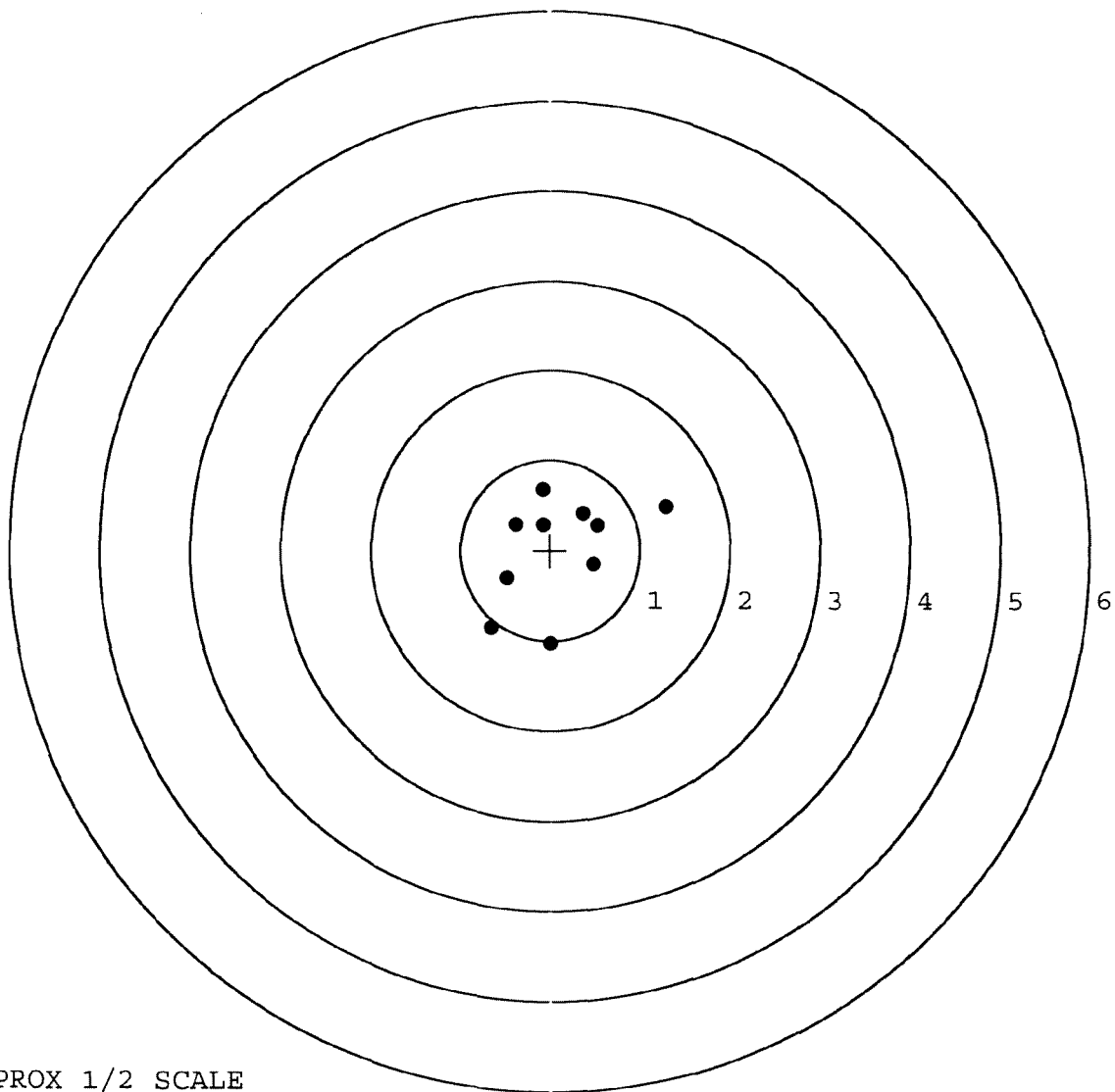
TARGET APPROX 1/2 SCALE

**BARBER - M24 0179839**

SERIAL NUMBER: G6695395. \_\_0  
 TARGET NUMBER: 2  
 FILE DATE: 07/18/2008  
 FILE TIME: 12:17

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 1.284  | 0.485  |
| 2:     | 0.526  | 0.281  |
| 3:     | 0.363  | 0.408  |
| 4:     | 0.485  | -0.148 |
| 5:     | -0.082 | 0.673  |
| 6:     | -0.081 | 0.283  |
| 7:     | -0.390 | 0.287  |
| 8:     | -0.484 | -0.301 |
| 9:     | -0.664 | -0.855 |
| 10:    | -0.002 | -1.034 |

X CENTROID: 0.096  
 Y CENTROID: 0.008  
 POA TO CENTROID: 0.096  
 HORZ SPREAD: 1.948  
 VERT SPREAD: 1.707  
 GROUP SPREAD: 2.364  
 MIN RADIUS: 0.327  
 MAX RADIUS: 1.281  
 MEAN RADIUS: 0.712  
 # IN 1 IN DIAMETER: 3  
 # IN 2 IN DIAMETER: 7  
 # in 3 IN DIAMETER: 10



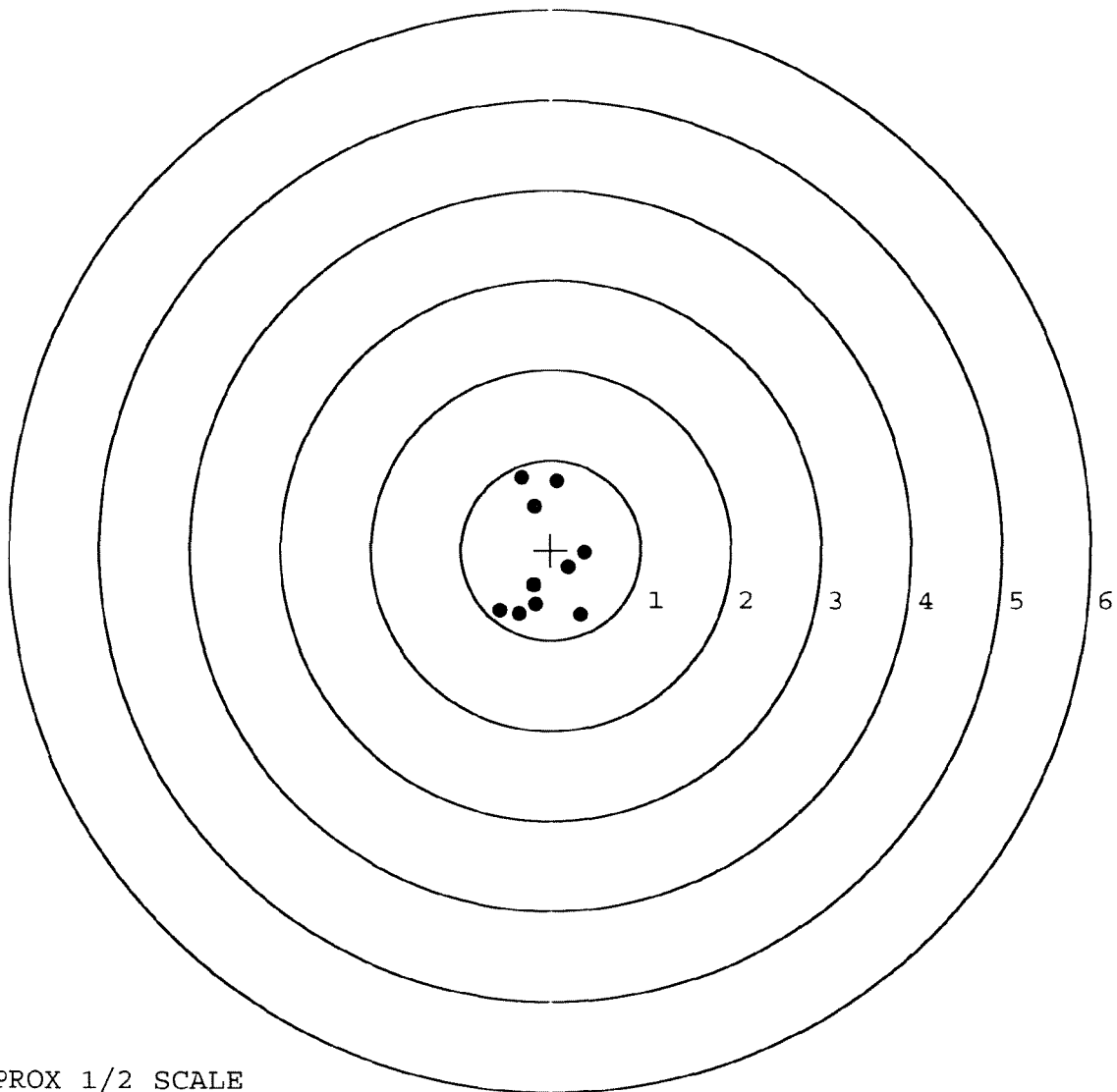
TARGET APPROX 1/2 SCALE

**BARBER - M24 0179840**

SERIAL NUMBER: G6695395. 0  
 TARGET NUMBER: 3  
 FILE DATE: 07/18/2008  
 FILE TIME: 12:17

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 0.328  | -0.722 |
| 2:     | 0.197  | -0.187 |
| 3:     | 0.375  | -0.028 |
| 4:     | 0.073  | 0.767  |
| 5:     | -0.184 | 0.489  |
| 6:     | -0.323 | 0.810  |
| 7:     | -0.188 | -0.389 |
| 8:     | -0.169 | -0.605 |
| 9:     | -0.360 | -0.709 |
| 10:    | -0.568 | -0.671 |

X CENTROID: -0.082  
 Y CENTROID: -0.125  
 POA TO CENTROID: 0.149  
 HORZ SPREAD: 0.943  
 VERT SPREAD: 1.532  
 GROUP SPREAD: 1.665  
 MIN RADIUS: 0.285  
 MAX RADIUS: 0.965  
 MEAN RADIUS: 0.612  
 # IN 1 IN DIAMETER: 4  
 # IN 2 IN DIAMETER: 10  
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

**BARBER - M24 0179841**

SERIAL NUMBER: G6695395. \_\_0

TARGET NUMBER: 4

FILE DATE: 07/18/2008

FILE TIME: 12:17

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 0.693  | 0.821  |
| 2:     | 0.222  | 0.752  |
| 3:     | 0.637  | 0.003  |
| 4:     | 0.338  | -0.186 |
| 5:     | -0.219 | 0.107  |
| 6:     | -0.364 | 0.496  |
| 7:     | -0.841 | 0.380  |
| 8:     | -0.859 | -0.049 |
| 9:     | 0.010  | -0.599 |
| 10:    | 0.155  | -0.987 |

X CENTROID: -0.023

Y CENTROID: 0.074

POA TO CENTROID: 0.077

HORZ SPREAD: 1.552

VERT SPREAD: 1.808

GROUP SPREAD: 1.886

MIN RADIUS: 0.199

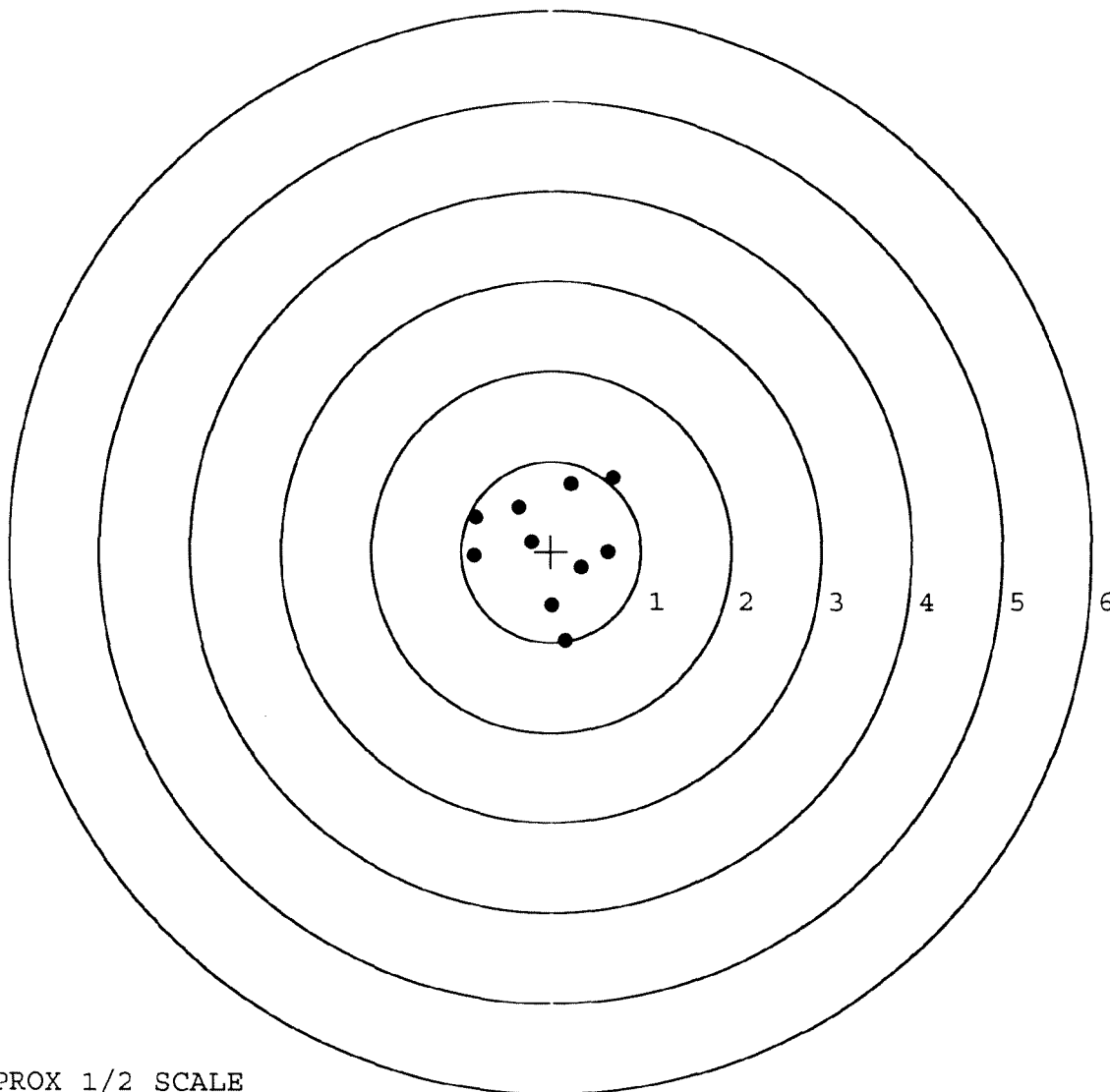
MAX RADIUS: 1.076

MEAN RADIUS: 0.707

# IN 1 IN DIAMETER: 2

# IN 2 IN DIAMETER: 8

# in 3 IN DIAMETER: 10



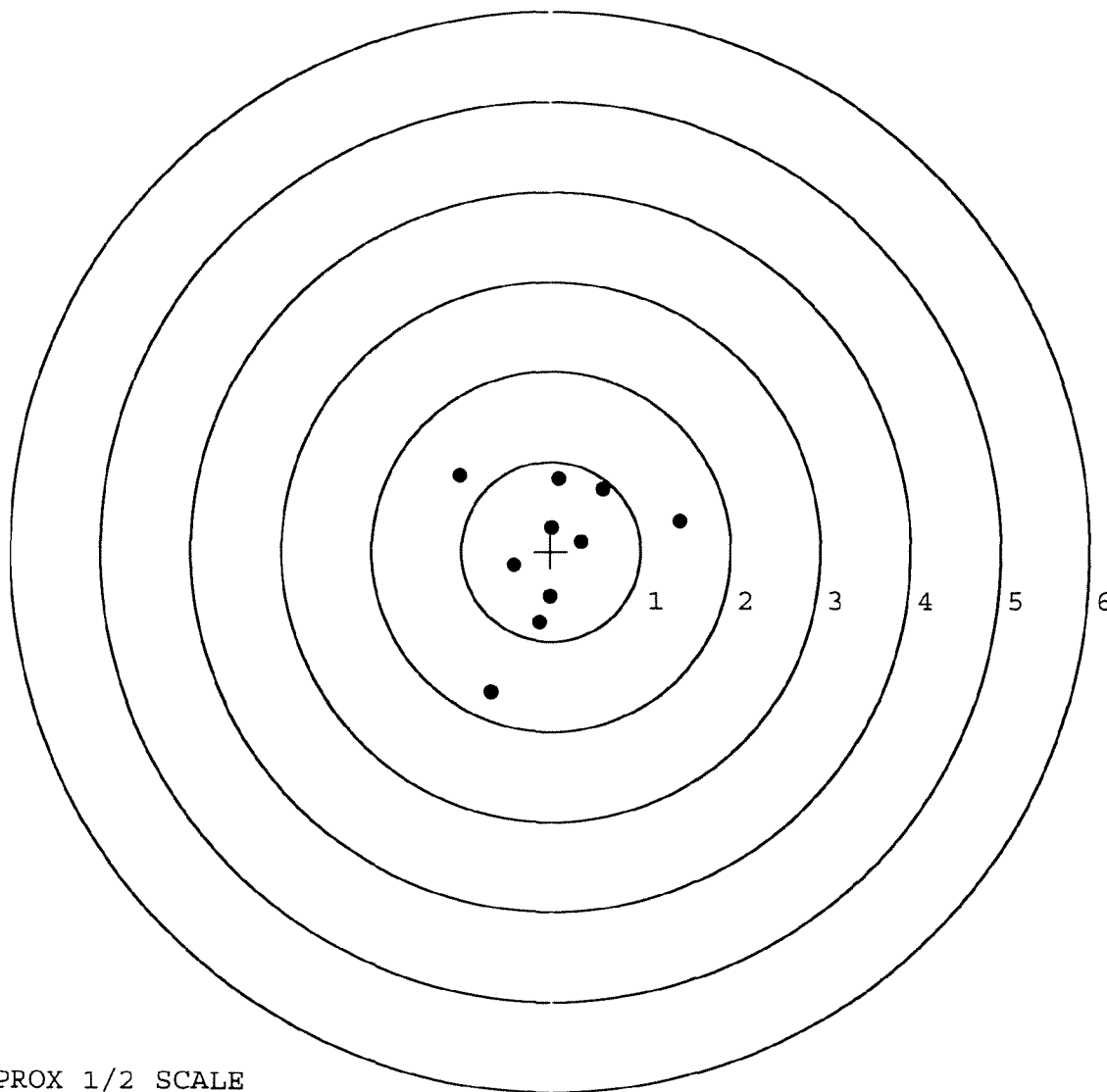
TARGET APPROX 1/2 SCALE

**BARBER - M24 0179842**

SERIAL NUMBER: G6695395. \_\_0  
 TARGET NUMBER: 5  
 FILE DATE: 07/18/2008  
 FILE TIME: 12:17

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 1.430  | 0.339  |
| 2:     | 0.585  | 0.692  |
| 3:     | 0.089  | 0.808  |
| 4:     | 0.339  | 0.112  |
| 5:     | 0.017  | 0.267  |
| 6:     | -1.016 | 0.840  |
| 7:     | -0.408 | -0.157 |
| 8:     | -0.009 | -0.502 |
| 9:     | -0.131 | -0.790 |
| 10:    | -0.675 | -1.572 |

X CENTROID: 0.022  
 Y CENTROID: 0.004  
 POA TO CENTROID: 0.022  
 HORZ SPREAD: 2.446  
 VERT SPREAD: 2.412  
 GROUP SPREAD: 2.843  
 MIN RADIUS: 0.263  
 MAX RADIUS: 1.723  
 MEAN RADIUS: 0.857  
 # IN 1 IN DIAMETER: 3  
 # IN 2 IN DIAMETER: 7  
 # in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

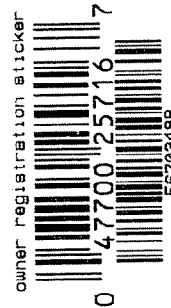
**MODEL 700<sup>TH</sup> M24**  
**BOLT ACTION CENTERFIRE RIFLE**  
**24" BARREL 7.62 NATO**

**DOCUMENT ENVELOPE ASSEMBLY:**

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

470 840 840 840 840 840

46 FORM 1444

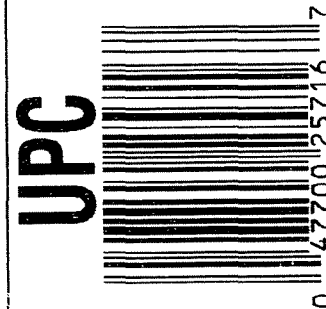


**ORDER NO. 25716**

**BARREL LENGTH 24"**

**CAPACITY 6**

**E6703498**



**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**  
**E6703498**

46  
ORDER NO.  
**25716**

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

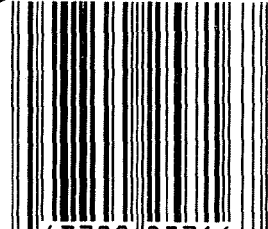


**29EV**

**ORDER 25716**

MODEL 700<sup>TH</sup> M24

**UPC**

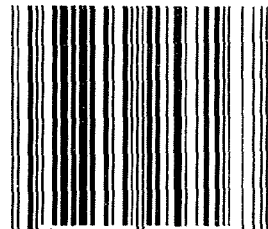


0 47700 25716 7

**ORDER 25716**

MODEL 700<sup>TH</sup> M24

**UPC**



0 47700 25716 7

SERIAL NO.



E6703498

**BARBER - M24 0179846**

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # E6703498  
22 Aug 2001

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS:  $-.3662$   
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS:  $.0128$   
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS:  $.366424$

THE AMR FOR THIS RIFLE IS:  $1.013$

**CENTROIDAL DISTANCES**

|      |   |         |
|------|---|---------|
| 0 TO | 1 | .405561 |
| 1 TO | 2 | 1.0586  |
| 1 TO | 3 | .776043 |
| 1 TO | 4 | .880548 |
| 1 TO | 5 | .560022 |

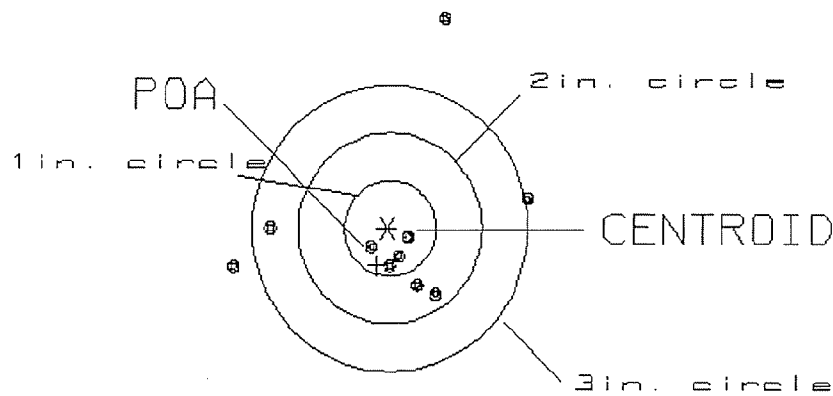
|   |   |          |
|---|---|----------|
| 5 | 1 |          |
| 4 | + | <----POA |
| 3 |   |          |
| 2 |   |          |

PATTERN #: 1  
 POA TO CENTROID: .406  
 MIN RADIUS : .187  
 MEAN RADIUS : .954  
 MAX RADIUS : 2.317  
 CENTROID X : .104  
 CENTROID Y : .392

22 Aug 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire\_Patt/E6703490

# CENTERFIRE PATTERN # 1



# OF SHOTS= 10

# IN CIRCLE

HS= 3.20

4

VS= 2.94

6

GS= 3.43

7

PATTERN #: □ 2 □

POA TO CENTROID: .671

MIN RADIUS : .403

MEAN RADIUS : 1.153

MAX RADIUS : 2.192

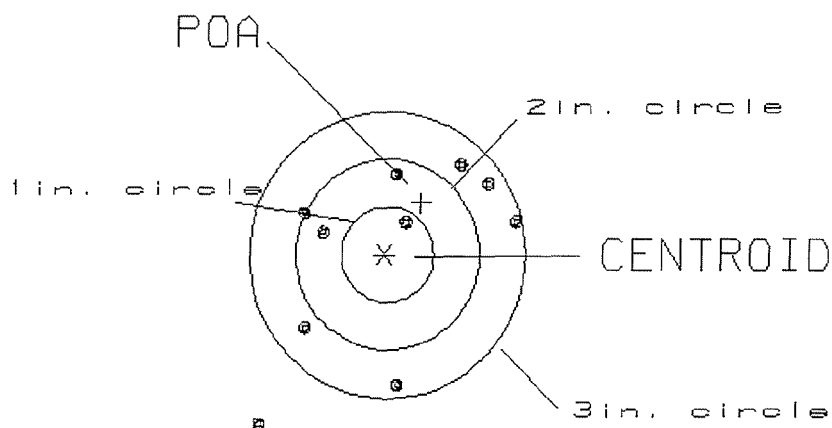
CENTROID X : -.398

CENTROID Y : -.540

22 Aug 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire\_Patt/E6703498

# CENTERFIRE PATTERN # 2



# OF SHOTS= 10

# IN CIRCLE

HS= 2.77

1

VS= 2.65

4

GS= 3.51

9

**BARBER - M24 0179849**

REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: ☐ 3 ☐

POA TO CENTROID: .435

MIN RADIUS : .198

MEAN RADIUS : .897

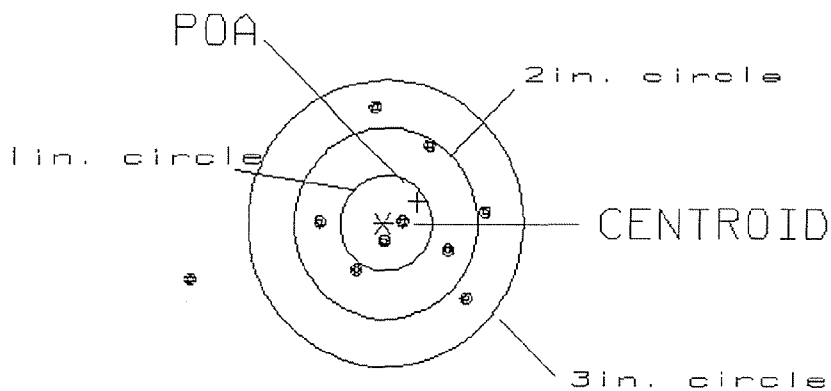
MAX RADIUS : 2.145

CENTROID X : -.377

CENTROID Y : -.217

22 Aug 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire\_Patt/E6703498

**CENTERFIRE PATTERN # 3**

# OF SHOTS= 10

# IN CIRCLE

HS= 3.14

2

VS= 1.99

6

GS= 3.21

9

**BARBER - M24 0179850**

REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: ☐ 4 ☐

POA TO CENTROID: .705

MIN RADIUS : .348

MEAN RADIUS : 1.005

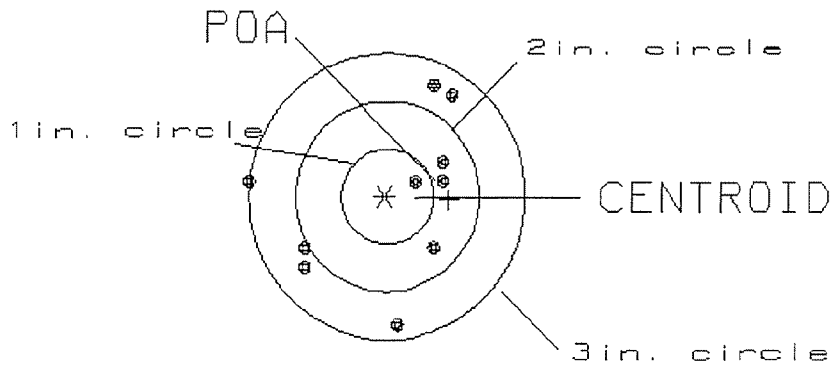
MAX RADIUS : 1.508

CENTROID X : -.704

CENTROID Y : .042

22 Aug 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire\_Patt/E6703498

**CENTERFIRE PATTERN # 4**

# OF SHOTS= 10

# IN CIRCLE

HS= 2.17

1

VS= 2.56

4

GS= 2.58

9

**BARBER - M24 0179851**

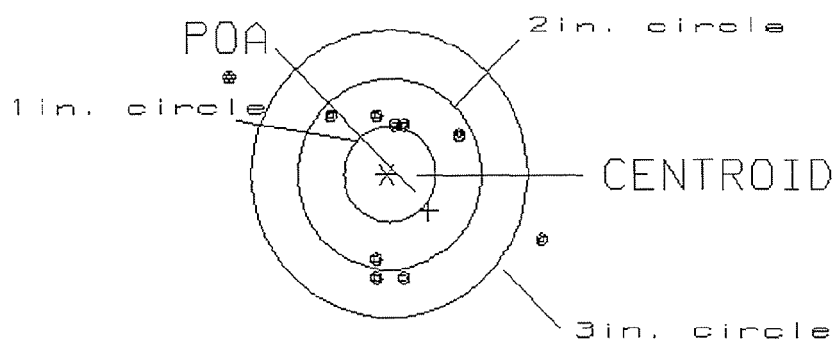
REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: ☐ 5 ☐  
POA TO CENTROID: .598  
MIN RADIUS : .542  
MEAN RADIUS : 1.054  
MAX RADIUS : 1.983  
CENTROID X : -.456  
CENTROID Y : .387

22 Aug 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire\_Patt/E6703498

**CENTERFIRE PATTERN # 5**

# OF SHOTS= 10

# IN CIRCLE

HS= 3.39

0

VS= 2.12

6

GS= 3.77

8

AVERAGE PULL FORCE BETWEEN  
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. E6703498DATE 5/14/01TESTER RH

|         | 2.50#<br>INITIAL | 2.50# AFTER<br>50 CYCLES | FINAL TEST &<br>TO RESET 2.50# |      | COMMENTS                                                               |
|---------|------------------|--------------------------|--------------------------------|------|------------------------------------------------------------------------|
| PULL #1 | 234              | 233                      |                                | 232  | MIN. SETTING,<br>NO AVG. OF 5<br>READINGS ACCEPT-<br>ABLE LESS THAN 2# |
| PULL #2 | 240              | 234                      |                                | 241  |                                                                        |
| PULL #3 | 242              | 232                      |                                | 229  |                                                                        |
| PULL #4 | 241              | 228                      |                                | 250  |                                                                        |
| PULL #5 | 236              | 232                      |                                | 253  |                                                                        |
| TOTAL   | 1193             | 1159                     |                                | 1205 |                                                                        |
| AVG.    | 238              | 231                      |                                | 241  |                                                                        |

|         | 3.00#<br>INITIAL | 3.00# AFTER<br>20 CYCLES |  | COMMENTS |
|---------|------------------|--------------------------|--|----------|
| PULL #1 | 311              | 308                      |  |          |
| PULL #2 | 307              | 302                      |  |          |
| PULL #3 | 300              | 307                      |  |          |
| PULL #4 | 312              | 314                      |  |          |
| PULL #5 | 304              | 318                      |  |          |
| TOTAL   | 1534             | 1549                     |  |          |
| AVG.    | <del>306</del>   | 309                      |  |          |

306

|         | 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 | 410              | 428                      | 2                              | 431                                  |
| PULL #2 | 417              | 407                      |                                | 406                                  |
| PULL #3 | 417              | 408                      |                                | 434                                  |
| PULL #4 | 402              | 418                      |                                | 427                                  |
| PULL #5 | 414              | 413                      |                                | 447                                  |
| TOTAL   | 2060             | 2074                     |                                | 2145                                 |
| AVG.    | 412              | 414                      |                                | 429                                  |

GUN SERIAL # E 6703498

| OP #         | OPERATION NAME                                                 | READINGS | DATE    | INITIAL |
|--------------|----------------------------------------------------------------|----------|---------|---------|
| 575 &<br>580 | ASSEMBLE ACTION<br>AND STOCK                                   |          | 8/2/01  | RPL     |
| 600          | PROOF                                                          |          | 8-2-01  | RPL     |
| 607          | CHECK HEADSPACE                                                |          | 8-2-01  | RPL     |
| 610          | DIS-ASSEMBLE GUN                                               |          | 8-2-01  | RPL     |
| 612          | MAGNAFLUX BBL ACTION<br>MAGNAFLUX BOLT                         |          | 8-6-01  | AR      |
| 615          | ROLLMARK CALIBER                                               |          | 8-6-01  | RPL     |
| 617          | DRILL AND TAP<br>SIGHT HOLES                                   |          | 8-6-01  | BWT     |
| 618          | POLISH BARREL                                                  |          | 8-7-01  | GD      |
| 620          | APPLY COATINGS<br>(BARREL ACTION)                              |          | 8-8-01  | TA      |
|              | (BOLT)                                                         |          | 8-8-01  | TA      |
| 625          | FINAL ASSEMBLY                                                 |          |         |         |
|              | A) CLEAN INSIDE OF<br>BOLT ASSEMBLY                            |          | 8-15-01 | RPL     |
|              | B) INSPECT REAR FIRING<br>PIN HOLE FOR CHAMFER<br>IN BOLT HEAD |          | 8-15-01 | RPL     |
|              | C) INSPECT EJECTOR<br>HOLE FOR CHAMFER                         |          | 8-15-01 | RPL     |
|              | D) OIL FIRING PIN ASSEMBLY                                     |          | 8-15-01 | RPL     |
|              | E) ADJUST TRIGGER PULL<br>TO MIN. SETTING AND<br>STAKE         |          | 8-15-01 | RPL     |

| OP #  | OPERATION NAME                                                        | READINGS                                                    | DATE     | INITIAL |
|-------|-----------------------------------------------------------------------|-------------------------------------------------------------|----------|---------|
| 625   | F) SAFETY ON FORCE                                                    | <u>8.5</u> <u>8.0</u> <u>8.5</u>                            | 8-22-01  | DA      |
| CONT. | G) SAFETY OFF FORCE                                                   | <u>3.0</u> <u>2.5</u> <u>3.0</u><br><del>OR DA</del>        | 8-22-01  | DA      |
|       | H) TRIGGER PULL TEST<br>AND RETAINABILITY                             |                                                             |          |         |
|       | I) FIRING PIN INDENT                                                  | <u>.023</u> <u>.022</u> <u>.022</u>                         | 8-22-01  | DA      |
|       | J) ASSEMBLE STOCK                                                     |                                                             | 8/2/01   | RH      |
|       | K) ASSEMBLE SWIVEL<br>STUDS                                           |                                                             | 10-25-01 | RH      |
|       | L) ATTACH FRONT AND<br>REAR SIGHT ASSY'S                              |                                                             | 8-22-01  | RH      |
|       | M) IRON SIGHT<br>ALIGNMENT                                            |                                                             | 8-22-01  | RH      |
|       | N) DETACH FRONT AND<br>REAR SIGHTS AND PLACE<br>IN NUMBERED CONTAINER |                                                             | 8-22-01  | RH      |
| 640   | GALLERY TEST AND<br>TARGET                                            |                                                             | 8/21     | RW      |
|       | A) MALFUNCTIONS                                                       |                                                             | 8/21     | RW      |
|       | B) PIERCED PRIMERS                                                    |                                                             | 8/21     | RW      |
| 645   | INSPECT FOR LIVE AMMO                                                 |                                                             | 8/21-    | RW      |
| 655   | FINAL INSPECTION<br>A) HEADSPACE                                      |                                                             | 10-25-01 | RH      |
|       | B) TRIGGER PULL                                                       | <u>2.32</u> <u>2.29</u> <u>2.18</u> <u>2.26</u> <u>2.20</u> | 8-22-01  | DA      |
|       | C) FUNCTION                                                           |                                                             | 10-25-01 | RH      |
| 660   | PACK                                                                  |                                                             | 10-26-01 | DA      |