

C6648945

MODEL 700™ M24

Model **SAS**™

Action

Barrel Length

Capacity

Order No. **5715**

\*Includes 1 in chamber.

*Remington*

MOD. \_\_\_\_\_ GA. \_\_\_\_\_ GUN# 6648945  
CAL. \_\_\_\_\_ #

| #<br>TEST | DATE           | MALFUNCTION/DEFECT                  | ASSEM.<br>#   |
|-----------|----------------|-------------------------------------|---------------|
|           | 1st            | Shaver cross<br>ejector stick       | RW            |
|           | 2nd<br>9/12/91 | Repaired it<br>for DICK<br>(my Pal) | <u>KS</u>     |
|           | 3rd            | 100 Rd<br>test<br>OK                |               |
|           | 4th            | 9-13-91                             | AL            |
|           |                | FUNCTION                            | RD 6654 Rev 1 |

| TEST INIT. ACTION TO CORRECT |          | ASSEM.<br># |
|------------------------------|----------|-------------|
| PROOF                        |          |             |
| TEST                         |          |             |
| TGT                          |          |             |
| PROOF                        |          |             |
| TEST                         |          |             |
| TGT                          |          |             |
| PROOF                        | ENGINEER |             |
| TEST                         |          |             |
| TGT                          |          |             |
| PROOF                        | ENGINEER |             |
| TEST                         |          |             |
| TGT                          |          |             |




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

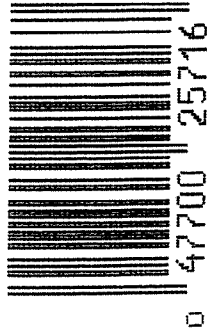
MODEL 700<sup>TM</sup> M2A

SERIAL NO. C6648945

ORDER NO. 5716

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

LIPC



CONTRACT # DAAA21-87-C-0086

GFM

GUN SERIAL # C6648945

| OP. #     | OP. NAME                                                 | READINGS | DATE        | INIT |
|-----------|----------------------------------------------------------|----------|-------------|------|
| 575 & 580 | Assemble Action and Stock                                | 7 2      | 9 1         | RW   |
| 600       | Proof                                                    | 7 2      | 9 1         | RW   |
| 607       | Check Headspace                                          | 7 2      | 9 1         | RW   |
| 610       | Dis-assemble Gun                                         | 7 2      | 9 1         | RW   |
| 612       | Magnaflux Barrel Action                                  |          | JUL 22 1991 | YS   |
|           | Magnaflux Bolt                                           |          | JUL 22 1991 | YS   |
| 615       | Rollmark Caliber                                         |          | JUL 22 1991 | YS   |
| 617       | Drill and Tap Sight Holes                                |          | JUL 22 1991 | LB   |
| 618       | Polish Barrel                                            |          | 8/12/91     | WB   |
| 620       | Apply Coatings (Barrel Action)                           |          | 8-22-91     | LB   |
|           | Apply Coating (Bolt)                                     |          |             |      |
| 625       | Final Assembly                                           |          |             |      |
|           | A) Clean inside of Bolt Assembly                         |          | 8/28/91     | RW   |
|           | B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head |          | 8/28/91     | RW   |
|           | C) Inspect Ejector Hole for Chamfer                      |          | 8/28/91     | RW   |
|           | D) Oil Firing Pin Ass'y                                  |          | 8/28/91     | RW   |
|           | E) Adjust Trigger Pull to Min Setting and Stake          |          | 8/29/91     | YS   |

| op. #        | OP. NAME                                                    | READINGS |       |       |      |      | DATE    | INIT |
|--------------|-------------------------------------------------------------|----------|-------|-------|------|------|---------|------|
| 625<br>cont. | F) Safety On Force                                          | 7        | 7     | 7     |      |      | 8-29-91 | DH   |
|              | G) Safety Off Force                                         | 2        | 2 3/4 | 2 3/4 |      |      | 8-29-91 | DH   |
|              | H) Trigger Pull Test & Retainability                        |          |       |       |      |      | 8/29/91 | SH   |
|              | I) Firing Pin Indent                                        | .021     | .023  | .022  |      |      | 8-29-91 | DH   |
|              | J) Assemble Stock                                           |          |       |       |      |      | 8/31/91 | RW   |
|              | K) Assemble Swivel Studs                                    |          |       |       |      |      | 9-13-91 | AC   |
|              | L) Attach Front and Rear Sight Assemblies                   |          |       |       |      |      | 8/31/91 | RW   |
|              | M) Iron Sight Alignment                                     |          |       |       |      |      | 8/31/91 | RW   |
|              | N) Detach Front & Rear Sights & place in numbered container |          |       |       |      |      | 8/31/91 | RW   |
|              | O) Attach Scope to Rifle                                    |          |       |       |      |      | 8/31/91 | RW   |
|              | P) Detach & Attach Scope 20 Times                           |          |       |       |      |      | 8/30/91 | RW   |
| 640          | Gallery Target & Test                                       |          |       |       |      |      | 9-3-91  | DH   |
|              | A) Time                                                     |          |       |       |      |      | 9-3-91  | DH   |
|              | B) Malfunctions                                             |          |       |       |      |      | 9-3-91  | DH   |
|              | C) Pierced Primers                                          |          |       |       |      |      | 9-3-91  | DH   |
|              | D) Optical Clarity of Scope                                 |          |       |       |      |      | 9-3-91  | DH   |
| 645          | Inspect for Live Ammo                                       |          |       |       |      |      | 9-3-91  | DH   |
| 655          | Final Inspection                                            |          |       |       |      |      |         |      |
|              | A) Headspace                                                |          |       |       |      |      | 9-13-91 | AC   |
|              | B) Trigger Pull                                             | 2.42     | 2.54  | 2.47  | 2.45 | 2.46 | 9/13/91 | SH   |
|              | C) Function                                                 |          |       |       |      |      | 9-13-91 | AC   |
| 660          | Pack                                                        |          |       |       |      |      | 9-19-91 | AC   |

SWS TRIGGER PULL TEST

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

SERIAL NO. C-6648945  
DATE 8/29/91  
TESTER JL.

|         | 2.50#<br>INITIAL | 2.50# AFTER<br>50 CYCLES | FINAL TEST &<br>TO RESET 2.50# |      | COMMENTS                                                               |
|---------|------------------|--------------------------|--------------------------------|------|------------------------------------------------------------------------|
| PULL #1 | 2.50             | 2.47                     | 2.30                           | 2.42 | MIN. SETTING,<br>NO AVG. OF 5<br>READINGS ACCEPT-<br>ABLE LESS THAN 2# |
| PULL #2 | 2.38             | 2.39                     | 2.36                           | 2.34 |                                                                        |
| PULL #3 | 2.42             | 2.35                     | 2.33                           | 2.47 |                                                                        |
| PULL #4 | 2.46             | 2.36                     | 2.30                           | 2.45 |                                                                        |
| PULL #5 | 2.43             | 2.33                     | 2.31                           | 2.46 |                                                                        |
| TOTAL   |                  |                          |                                |      |                                                                        |
| AVG.    |                  |                          |                                |      |                                                                        |

|         | 3.00#<br>INITIAL | 3.00# AFTER<br>20 CYCLES |  | COMMENTS |
|---------|------------------|--------------------------|--|----------|
| PULL #1 | 3.56             | 3.59                     |  |          |
| PULL #2 | 3.45             | 3.49                     |  |          |
| PULL #3 | 3.42             | 3.36                     |  |          |
| PULL #4 | 3.44             | 3.50                     |  |          |
| PULL #5 | 3.47             | 3.49                     |  |          |
| TOTAL   |                  |                          |  |          |
| AVG.    |                  |                          |  |          |

|         | 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 | 4.25             | 4.37                     |                                | 4.22                                 |
| PULL #2 | 4.34             | 4.24                     |                                | 4.20                                 |
| PULL #3 | 4.39             | 4.22                     |                                | 4.23                                 |
| PULL #4 | 4.27             | 4.18                     |                                | 4.19                                 |
| PULL #5 | 4.27             | 4.21                     |                                | 4.22                                 |
| TOTAL   |                  |                          |                                |                                      |
| AVG.    |                  |                          |                                |                                      |

CENTROIDAL DISTANCE CALCULATIONS  
FOR RIFLE # C6648945  
3 Sep 1991

CENTROIDAL DISTANCES

|      |   |         |
|------|---|---------|
| 0 TO | 1 | .237622 |
| 1 TO | 2 | .270007 |
| 1 TO | 3 | .398769 |
| 1 TO | 4 | .210319 |
| 1 TO | 5 | .428348 |

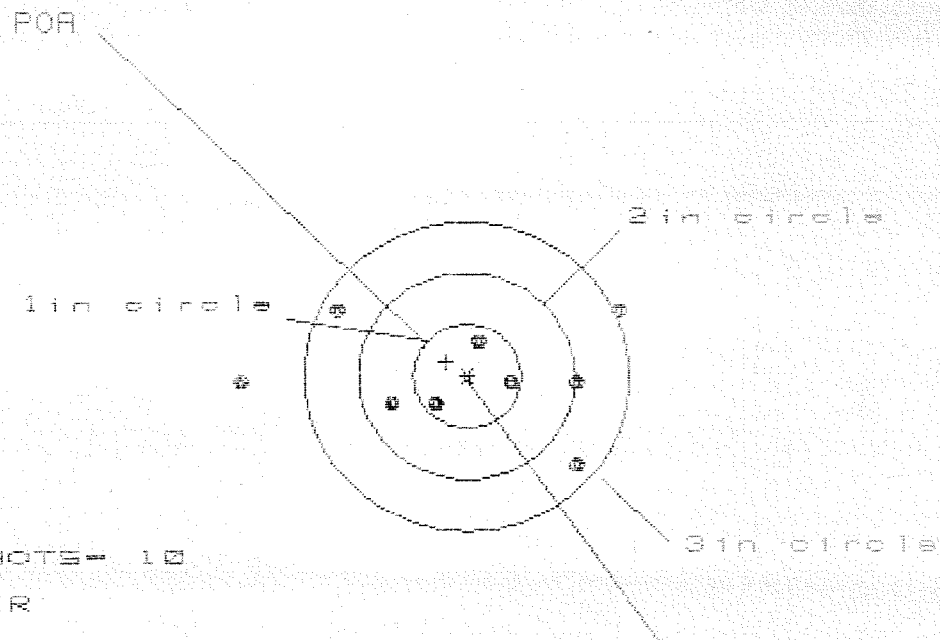
$\frac{5}{.14}$  (----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1424  
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1614  
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .215239  
THE AMR FOR THIS RIFLE IS: 1.067

3 Sep 1991

FILE:/PATTERNING/CENTERFIRE\_PATT/C804B945

# CENTERFIRE PATTERNS # 1



# OF SHOTS= 10

# IN CIR

1in = 4

2in = 5

3in = 8

HS= 3.491

VS= 1.532

GS= 3.545

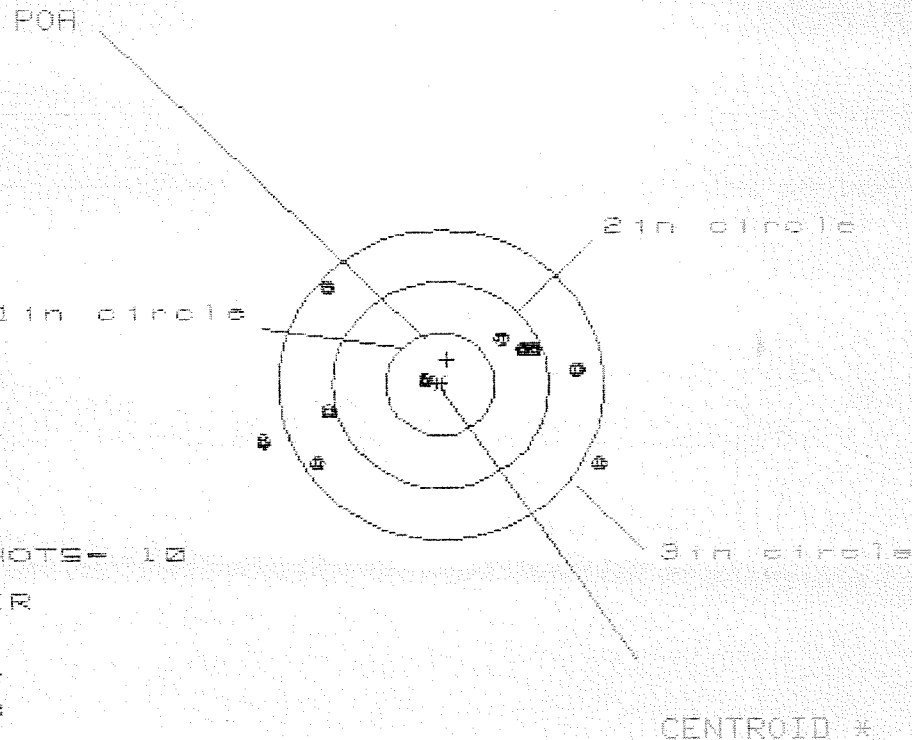
CENTROID \*

| PATTERN #                     | 1      | 2      | 3      |
|-------------------------------|--------|--------|--------|
| SHOTS (BEST OF)               | 10     | 9      | 8      |
| MAXIMUM X                     | 1.430  | 1.201  | .962   |
| MINIMUM X                     | -2.061 | -1.440 | -1.290 |
| MAXIMUM Y                     | .655   | .653   | .728   |
| MINIMUM Y                     | -.877  | -.879  | -.804  |
| CENTROID X                    | .192   | .421   | .271   |
| CENTROID Y                    | -.140  | -.138  | -.213  |
| POA TO CENTROID in.           | .238   | .443   | .345   |
| MIN RADIUS                    | .353   | .131   | .207   |
| MEAN RADIUS                   | .959   | .787   | .733   |
| MAX RADIUS                    | 2.061  | 1.581  | 1.481  |
| HORIZONTAL SPREAD             | 3.491  | 2.641  | 2.252  |
| VERTICAL SPREAD               | 1.532  | 1.532  | 1.532  |
| EXTREME SPREAD                | 3.545  | 2.656  | 2.656  |
| NUMBER IN ONE INCH CIRCLE =   | 4      |        |        |
| NUMBER IN TWO INCH CIRCLE =   | 5      |        |        |
| NUMBER IN THREE INCH CIRCLE = | 8      |        |        |

3 Sep 1991

FILE:/PATTERNING/CENTERFIRE\_PATT/C6648945

# CENTERFIRE PATTERNS # 2



# OF SHOTS = 10

# IN CIR

1in = 1

2in = 4

3in = 8

HS = 3.129

VS = 1.756

GS = 3.135

|                             |   |        |        |        |
|-----------------------------|---|--------|--------|--------|
| PATTERN #                   | : | 2      |        |        |
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | 1.464  | 1.279  | 1.282  |
| MINIMUM X                   | : | -1.665 | -1.356 | -1.196 |
| MAXIMUM Y                   | : | .989   | .928   | .827   |
| MINIMUM Y                   | : | -.767  | -.828  | -.929  |
| CENTROID X                  | : | -.058  | .127   | -.033  |
| CENTROID Y                  | : | -.242  | -.181  | -.079  |
| POA TO CENTROID in.         | : | .249   | .221   | .086   |
| MIN RADIUS                  | : | .174   | .363   | .253   |
| MEAN RADIUS                 | : | 1.134  | 1.041  | .978   |
| MAX RADIUS                  | : | 1.754  | 1.589  | 1.515  |
| HORIZONTAL SPREAD           | : | 3.129  | 2.635  | 2.478  |
| VERTICAL SPREAD             | : | 1.756  | 1.756  | 1.756  |
| EXTREME SPREAD              | : | 3.135  | 3.036  | 2.625  |
| NUMBER IN ONE INCH CIRCLE   | = | 1      |        |        |
| NUMBER IN TWO INCH CIRCLE   | = | 4      |        |        |
| NUMBER IN THREE INCH CIRCLE | = | 8      |        |        |

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FILE:/PATTERNING/CENTERFIRE\_PATT/C864B945

# CENTERFIRE PATTERNS # 3

POA

1 in circle

2 in circle

3 in circle

CENTROID \*

# OF SHOTS - 10

# IN CIR

1 in = 2

2 in = 4

3 in = 9

HS = 1.990

VS = 2.418

GS = 2.780

|                             |   |        |       |       |
|-----------------------------|---|--------|-------|-------|
| PATTERN #                   | : | 3      |       |       |
| SHOTS (BEST OF)             | : | 10     | 9     | 8     |
| MAXIMUM X                   | : | 1.083  | 1.160 | 1.065 |
| MINIMUM X                   | : | -.897  | -.820 | -.915 |
| MAXIMUM Y                   | : | .888   | .718  | .795  |
| MINIMUM Y                   | : | -1.530 | -.838 | -.761 |
| CENTROID X                  | : | .068   | -.010 | .085  |
| CENTROID Y                  | : | -.519  | -.349 | -.426 |
| POA TO CENTROID in.         | : | .523   | .349  | .434  |
| MIN RADIUS                  | : | .193   | .064  | .158  |
| MEAN RADIUS                 | : | .906   | .787  | .774  |
| MAX RADIUS                  | : | 1.682  | 1.177 | 1.120 |
| HORIZONTAL SPREAD           | : | 1.980  | 1.980 | 1.980 |
| VERTICAL SPREAD             | : | 2.418  | 1.556 | 1.556 |
| EXTREME SPREAD              | : | 2.780  | 2.116 | 2.116 |
| NUMBER IN ONE INCH CIRCLE   | = |        | 2     |       |
| NUMBER IN TWO INCH CIRCLE   | = |        | 4     |       |
| NUMBER IN THREE INCH CIRCLE | = |        | 9     |       |

3 Sep 1991

FILE:/PATTERNING/CENTERFIRE\_PATT/C8648945

# CENTERFIRE PATTERNS

# 4

POB

1 in circle

2 in circle

3 in circle

CENTROID \*

# OF SHOTS = 10

# IN CIR

1 in = 0

2 in = 3

3 in = 5

HS = 2.664

VS = 3.489

GS = 3.520

PATTERN #

:

4

SHOTS (BEST OF)

:

10

9

8

MAXIMUM X

:

1.391

1.306

1.151

MINIMUM X

:

-1.273

-1.358

-1.513

MAXIMUM Y

:

1.608

1.399

1.210

MINIMUM Y

:

-1.881

-1.509

-1.285

CENTROID X

:

.397

.482

.637

CENTROID Y

:

-.187

.022

.211

POB TO CENTROID in.

:

.489

.482

.671

MIN RADIUS

:

.611

.514

.405

MEAN RADIUS

:

1.330

1.215

1.089

MAX RADIUS

:

2.031

1.953

1.725

HORIZONTAL SPREAD

:

2.664

2.664

2.664

VERTICAL SPREAD

:

3.489

2.988

2.495

EXTREME SPREAD

:

3.520

3.307

3.134

NUMBER IN ONE INCH CIRCLE =

0

NUMBER IN TWO INCH CIRCLE =

3

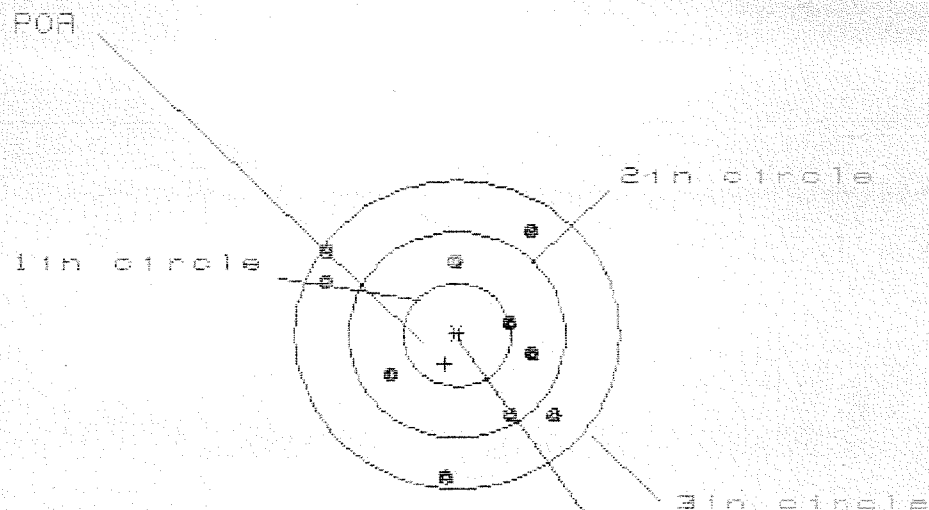
NUMBER IN THREE INCH CIRCLE =

5

3 Sep 1991

FILE:/PATTERNING/CENTERFIRE\_PATT/C654B945

# CENTERFIRE PATTERNS # 5



# OF SHOTS= 10

# IN CIR

1in = 1

2in = 5

3in = 10

HS= 2.113

VS= 2.367

GS= 2.644

CENTROID \*

| PATTERN #                     |   |        |        |        |
|-------------------------------|---|--------|--------|--------|
| SHOTS (BEST OF)               | : | 10     | 9      | 8      |
| MAXIMUM X                     | : | .920   | .788   | .759   |
| MINIMUM X                     | : | -1.193 | -1.325 | -1.354 |
| MAXIMUM Y                     | : | 1.009  | 1.105  | .947   |
| MINIMUM Y                     | : | -1.358 | -1.262 | -.802  |
| CENTROID X                    | : | .113   | .245   | .274   |
| CENTROID Y                    | : | .281   | .185   | .343   |
| POA TO CENTROID in.           | : | .303   | .307   | .439   |
| MIN RADIUS                    | : | .463   | .394   | .290   |
| MEAN RADIUS                   | : | 1.004  | .928   | .868   |
| MAX RADIUS                    | : | 1.466  | 1.474  | 1.439  |
| HORIZONTAL SPREAD             | : | 2.113  | 2.113  | 2.113  |
| VERTICAL SPREAD               | : | 2.367  | 2.367  | 1.749  |
| EXTREME SPREAD                | : | 2.644  | 2.492  | 2.474  |
| NUMBER IN ONE INCH CIRCLE =   |   |        | 1      |        |
| NUMBER IN TWO INCH CIRCLE =   |   |        | 5      |        |
| NUMBER IN THREE INCH CIRCLE = |   |        | 10     |        |