

C6636319

MODEL 700<sup>TM</sup> M24

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

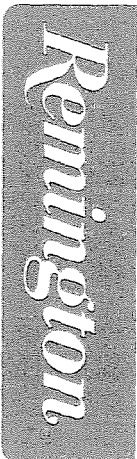
Action

Barrel Length

Capacity

Order No. **5715**

\*Includes 1 in chamber.



MOD. \_\_\_\_\_ GA. \_\_\_\_\_ GUN # 6319  
CAL. \_\_\_\_\_

| INSP.<br># | DATE   | MALFUNCTION/DEFECT                            | ASSEM.<br># |
|------------|--------|-----------------------------------------------|-------------|
| KT         | 1st    | Rear Trigger Plate<br>Screw, Head<br>Stripped | KS          |
|            | 6/5    |                                               |             |
|            | 2nd    | Repaired<br>New Screw                         | KS          |
|            | 4/7/64 |                                               |             |
|            | 3rd    |                                               |             |
|            | 4th    |                                               |             |

FINAL INSPECTION

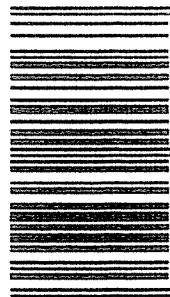
RD 6657 Rev 1

|                                                                                       |  |                                                                                           |
|---------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------|
| <b>Remington</b><br>MODEL 700™ H24                                                    |  | VERY IMPORTANT:<br>Instruction Book<br>enclosed to assure<br>safe use of this<br>firearm. |
| MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee. |  | SERIAL NO.<br>C6636319                                                                    |
| 20                                                                                    |  | ORDER NO.<br><b>5716</b>                                                                  |



5716 C6636319

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6636319

| OP. #        | OP. NAME                                                       | READINGS         | DATE    | INIT |
|--------------|----------------------------------------------------------------|------------------|---------|------|
| 575 &<br>580 | Assemble Action<br>and Stock                                   | QUALITY<br>AUDIT | 5/3/91  | KS   |
| 600          | Proof                                                          |                  | 5/3/91  | KS   |
| 607          | Check Headspace                                                |                  | 5/3/91  | KS   |
| 610          | Dis-assemble Gun                                               |                  | 5/3/91  | KS   |
| 612          | Magnaflux Barrel<br>Action                                     | 5 8 9 1          |         | Ked  |
|              | Magnaflux Bolt                                                 | 5 8 9 1          |         | Ked  |
| 615          | Rollmark Caliber                                               | 5 8 9 1          |         | GB   |
| 617          | Drill and Tap Sight Holes                                      | 5 15 9 1         |         | FB   |
| 618          | Polish Barrel                                                  | 5 15 9 1         |         | WB   |
| 620          | Apply Coatings<br>(Barrel Action)                              |                  | 5-29-91 | /    |
|              | Apply Coating (Bolt)                                           |                  |         |      |
| 625          | Final Assembly<br>A) Clean inside of<br>Bolt Assembly          |                  | 5/30/91 | KS   |
|              | B) Inspect Rear Firing<br>Pin Hole for Chamfer<br>in Bolt Head |                  | 5/30/91 | KS   |
|              | C) Inspect Ejector Hole<br>for Chamfer                         |                  | 5/30/91 | KS   |
|              | D) Oil Firing Pin Ass'y                                        |                  | 5/30/91 | KS   |
|              | E) Adjust Trigger Pull to<br>Min Setting and Stake             |                  | 6/3/91  | KS   |

| op. #        | OP. NAME                                                    | READINGS |      |      |      |      | DATE    | INIT |
|--------------|-------------------------------------------------------------|----------|------|------|------|------|---------|------|
| 625<br>cont. | F) Safety On Force                                          | 5        | 5    | 5    |      |      | 6/3/91  | JH   |
|              | G) Safety Off Force                                         | 3        | 3    | 3    |      |      | 6/3/91  | JH   |
|              | H) Trigger Pull Test & Retainability                        |          |      |      |      |      | 6/3/91  | JH   |
|              | I) Firing Pin Indent                                        | .0205    | .021 | .021 |      |      | 6/3/91  | JH   |
|              | J) Assemble Stock                                           |          |      |      |      |      | 6/4/91  | KS   |
|              | K) Assemble Swivel Studs                                    |          |      |      |      |      | 6-13-91 | AC   |
|              | L) Attach Front and Rear Sight Assemblies                   |          |      |      |      |      | 6/4/91  | KS   |
|              | M) Iron Sight Alignment                                     |          |      |      |      |      | 6/4/91  | KS   |
|              | N) Detach Front & Rear Sights & place in numbered container |          |      |      |      |      | 6/4/91  | KS   |
|              | O) Attach Scope to Rifle                                    |          |      |      |      |      | 6/4/91  | KS   |
|              | P) Detach & Attach Scope 20 Times                           |          |      |      |      |      | 6/4/91  | KS   |
| 640          | Gallery Target & Test                                       |          |      |      |      |      | 6/5/91  | KT   |
|              | A) Time                                                     |          |      |      |      |      | 6/5/91  | KT   |
|              | B) Malfunctions                                             |          |      |      |      |      | 6/5/91  | KT   |
|              | C) Pierced Primers                                          |          |      |      |      |      | 6/5/91  | KT   |
|              | D) Optical Clarity of Scope                                 |          |      |      |      |      | 6/5/91  | KT   |
| 645          | Inspect for Live Ammo                                       |          |      |      |      |      | 6/5/91  | KT   |
| 655          | Final Inspection                                            |          |      |      |      |      |         |      |
|              | A) Headspace                                                |          |      |      |      |      | 6-13-91 | AC   |
|              | B) Trigger Pull                                             | 2.51     | 2.58 | 2.50 | 2.48 | 2.42 | 6-13-91 | JH   |
|              | C) Function                                                 |          |      |      |      |      | 6-13-91 | AC   |
| 660          | Pack                                                        |          |      |      |      |      | 6-20-91 | AC   |

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN  
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6636319

DATE 6-3-91

TESTER JRP

|         | 2.50#<br>INITIAL | 2.50# AFTER<br>50 CYCLES | FINAL TEST &<br>TO RESET 2.50# |      | COMMENTS                                                               |
|---------|------------------|--------------------------|--------------------------------|------|------------------------------------------------------------------------|
| PULL #1 | 2.22             | 2.44                     | 2.44                           | 2.51 | MIN. SETTING,<br>NO AVG. OF 5<br>READINGS ACCEPT-<br>ABLE LESS THAN 2# |
| PULL #2 | 2.12             | 2.43                     | 2.53                           | 2.58 |                                                                        |
| PULL #3 | 2.49             | 2.45                     | 2.48                           | 2.50 |                                                                        |
| PULL #4 | 2.44             | 2.53                     | 2.51                           | 2.48 |                                                                        |
| PULL #5 | 2.51             | 2.27                     | 2.51                           | 2.62 |                                                                        |
| TOTAL   |                  |                          |                                |      |                                                                        |
| AVG.    |                  |                          |                                |      |                                                                        |

|         | 3.00#<br>INITIAL | 3.00# AFTER<br>20 CYCLES |  | COMMENTS |
|---------|------------------|--------------------------|--|----------|
| PULL #1 | 3.64             | 3.60                     |  |          |
| PULL #2 | 3.60             | 3.56                     |  |          |
| PULL #3 | 3.52             | 3.66                     |  |          |
| PULL #4 | 3.62             | 3.47                     |  |          |
| PULL #5 | 3.54             | 3.64                     |  |          |
| 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 | 4.26             | 4.53                     |                                | 4.30                                 |
| PULL #2 | 4.26             | 4.46                     |                                | 4.36                                 |
| PULL #3 | 4.22             | 4.41                     |                                | 4.35                                 |
| PULL #4 | 4.17             | 4.39                     |                                | 4.37                                 |
| PULL #5 | 4.17             | 4.37                     |                                | 4.36                                 |
| TOTAL   |                  |                          |                                |                                      |
| AVG.    |                  |                          |                                |                                      |

CENTROIDAL DISTANCE CALCULATIONS  
FOR RIFLE # C6636319  
5 Jun 1991

CENTROIDAL DISTANCES

|        |          |
|--------|----------|
| 0 TO 1 | .145014  |
| 1 TO 2 | .11952   |
| 1 TO 3 | .216924  |
| 1 TO 4 | .0751665 |
| 1 TO 5 | .251149  |

-----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.095  
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0322  
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .100309

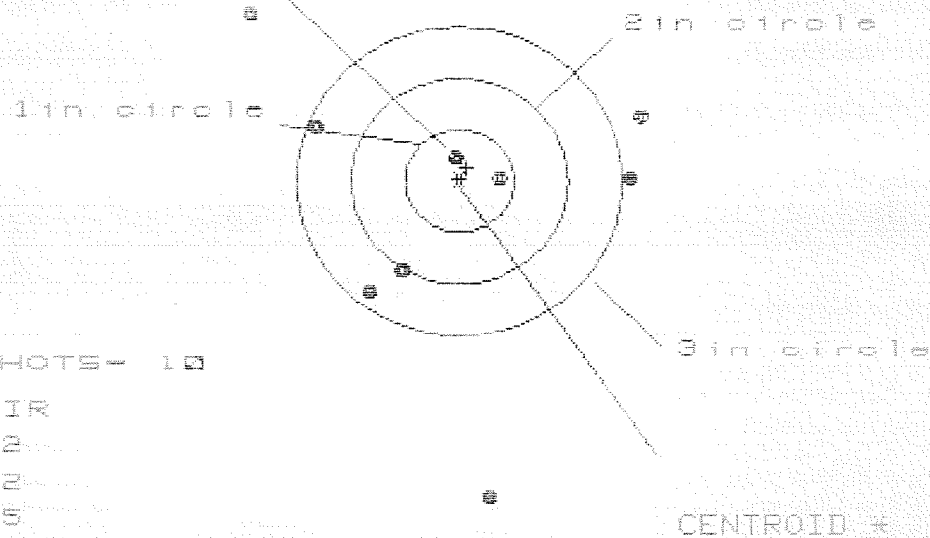
THE AMR FOR THIS RIFLE IS: 1.041

5 Jun 1991

FILE:/PATTERNING/CENTERFIRE\_PATT/C8836319

# CENTERFIRE PATTERNS # 1

FOR



# OF SHOTS- 10

# IN CIR

1in - 2

2in - 2

3in - 5

HS= 3.576

VS= 5.057

GS= 5.130

PATTERN #

1

|                             |   |        |        |        |
|-----------------------------|---|--------|--------|--------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | 1.630  | 1.653  | 1.418  |
| MINIMUM X                   | : | -1.946 | -1.918 | -1.518 |
| MAXIMUM Y                   | : | 2.009  | 1.671  | 1.827  |
| MINIMUM Y                   | : | -3.048 | -1.423 | -1.267 |
| CENTROID X                  | : | -.070  | -.098  | .142   |
| CENTROID Y                  | : | -.127  | .211   | .055   |
| FOR TO CENTROID in.         | : | .145   | .233   | .152   |
| MIN RADIUS                  | : | .188   | .152   | .226   |
| MEAN RADIUS                 | : | 1.542  | 1.375  | 1.216  |
| MAX RADIUS                  | : | 3.058  | 2.289  | 1.985  |
| HORIZONTAL SPREAD           | : | 3.576  | 3.576  | 2.936  |
| VERTICAL SPREAD             | : | 5.057  | 3.894  | 3.894  |
| EXTREME SPREAD              | : | 5.130  | 3.842  | 3.471  |
| NUMBER IN ONE INCH CIRCLE   | = | 2      |        |        |
| NUMBER IN TWO INCH CIRCLE   | = | 2      |        |        |
| NUMBER IN THREE INCH CIRCLE | = | 5      |        |        |

5 Jun 1991

FILE:/PATTERNING/CENTERFIRE\_PATT/C8635313

# CENTERFIRE PATTERNS # 2

FOR

1in circle

2in circle

3in circle

# OF SHOTS= 10

# IN CIR

1in = 0

2in = 3

3in = 7

HS= 2.406

VS= 3.887

GS= 3.852

CENTROID \*

PATTERN #

2

SHOTS (BEST OF)

10

9

8

MAXIMUM X

.883

.933

.923

MINIMUM X

-1.523

-1.473

-1.483

MAXIMUM Y

2.115

1.605

1.423

MINIMUM Y

-1.692

-1.457

-1.083

CENTROID X

-.156

-.206

-.196

CENTROID Y

-.044

-.279

-.097

FOR TO CENTROID in.

.162

.347

.219

MIN RADIUS

.506

.342

.477

MEAN RADIUS

1.274

1.147

1.109

MAX RADIUS

2.163

1.733

1.561

HORIZONTAL SPREAD

2.406

2.406

2.406

VERTICAL SPREAD

3.887

3.062

2.506

EXTREME SPREAD

3.852

3.149

2.592

NUMBER IN ONE INCH CIRCLE =

0

NUMBER IN TWO INCH CIRCLE =

3

NUMBER IN THREE INCH CIRCLE =

7

5 Jun 1991

FILE:/PATTERNING/CENTERFIRE\_PATT/C8636319

# CENTERFIRE PATTERNS # 3

POA

1in circle

2in circle

3in circle

# OF SHOTS- 10

# IN CIR

1in = 4

2in = 9

3in = 10

HS= 1.510

VS= 1.562

GS= 1.868

CENTROID \*

PATTERN #

3

|                             |   |       |       |       |
|-----------------------------|---|-------|-------|-------|
| SHOTS (BEST OF)             | : | 10    | 9     | 8     |
| MAXIMUM X                   | : | .750  | .777  | .692  |
| MINIMUM X                   | : | -.760 | -.676 | -.423 |
| MAXIMUM Y                   | : | .717  | .623  | .643  |
| MINIMUM Y                   | : | -.845 | -.778 | -.758 |
| CENTROID X                  | : | -.090 | -.174 | -.089 |
| CENTROID Y                  | : | .089  | .183  | .163  |
| POA TO CENTROID in.         | : | .127  | .253  | .186  |
| MIN RADIUS                  | : | .135  | .066  | .132  |
| MEAN RADIUS                 | : | .578  | .504  | .482  |
| MAX RADIUS                  | : | 1.130 | .779  | .761  |
| HORIZONTAL SPREAD           | : | 1.510 | 1.453 | 1.115 |
| VERTICAL SPREAD             | : | 1.562 | 1.401 | 1.401 |
| EXTREME SPREAD              | : | 1.868 | 1.462 | 1.402 |
| NUMBER IN ONE INCH CIRCLE   | = |       | 4     |       |
| NUMBER IN TWO INCH CIRCLE   | = |       | 9     |       |
| NUMBER IN THREE INCH CIRCLE | = |       | 10    |       |

5 Jun 1991

FILE:/PATTERNING/CENTERFIRE\_PATT/C8B36313

# CENTERFIRE PATTERNS

# 4

POA

1 in circle

2 in circle

3 in circle

CENTROID \*

# OF SHOTS= 10

# IN CIR

1 in = 1

2 in = 4

3 in = 9

HS= 2.423

VS= 3.467

GS= 3.622

PATTERN #

4

SHOTS (BEST OF)

10

9

8

MAXIMUM X

1.270

1.191

1.224

MINIMUM X

-1.153

-1.232

-1.199

MAXIMUM Y

2.141

1.388

1.252

MINIMUM Y

-1.325

-1.088

-1.035

CENTROID X

-.065

.014

-.019

CENTROID Y

-.202

-.439

-.304

POA TO CENTROID in.

.212

.440

.304

MIN RADIUS

.287

.386

.300

MEAN RADIUS

1.171

1.010

.999

MAX RADIUS

2.255

1.503

1.401

HORIZONTAL SPREAD

2.423

2.423

2.423

VERTICAL SPREAD

3.467

2.476

2.288

EXTREME SPREAD

3.622

2.587

2.479

NUMBER IN ONE INCH CIRCLE =

1

NUMBER IN TWO INCH CIRCLE =

4

NUMBER IN THREE INCH CIRCLE =

9

5 Jun 1991

FILE:/PATTERNING/CENTERFIRE\_PATT/C863B319

# CENTERFIRE PATTERNS

# 5

POA

1in circle

2in circle

3in circle

# OF SHOTS= 10

# IN CIR

1in = 4

2in = 8

3in = 9

HS= 2.085

VS= 1.841

GS= 2.466

CENTROID \*

PATTERN #

5

|                               |   |        |       |       |
|-------------------------------|---|--------|-------|-------|
| SHOTS (BEST OF)               | : | 10     | 9     | 8     |
| MAXIMUM X                     | : | 1.051  | .749  | .635  |
| MINIMUM X                     | : | -1.034 | -.918 | -.561 |
| MAXIMUM Y                     | : | .675   | .546  | .548  |
| MINIMUM Y                     | : | -1.166 | -.626 | -.624 |
| CENTROID X                    | : | -.094  | -.210 | -.096 |
| CENTROID Y                    | : | .123   | .252  | .250  |
| POA TO CENTROID in.           | : | .154   | .328  | .267  |
| MIN RADIUS                    | : | .054   | .095  | .094  |
| MEAN RADIUS                   | : | .641   | .517  | .465  |
| MAX RADIUS                    | : | 1.569  | .976  | .890  |
| HORIZONTAL SPREAD             | : | 2.085  | 1.667 | 1.196 |
| VERTICAL SPREAD               | : | 1.841  | 1.172 | 1.172 |
| EXTREME SPREAD                | : | 2.466  | 1.788 | 1.541 |
| NUMBER IN ONE INCH CIRCLE =   |   |        | 4     |       |
| NUMBER IN TWO INCH CIRCLE =   |   |        | 8     |       |
| NUMBER IN THREE INCH CIRCLE = |   |        | 9     |       |