

C6587563

MODEL 700<sup>TM</sup> M24

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

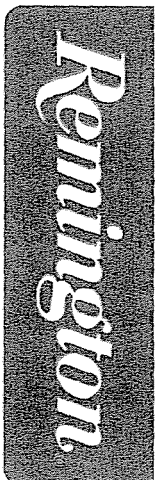
Action

Barrel Length

Capacity

Order No. **5716**

\* Includes 1 in chamber.



**Remington**<sup>®</sup>

**MODEL 700<sup>TM</sup> H24**

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

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

**DUPONT**  
REG. U.S. PAT. & T.M. OFF.

|                                 |           |
|---------------------------------|-----------|
| <b>SERIAL NO.</b><br>C6587563   | <b>Ø1</b> |
| <b>ORDER NO.</b><br><b>5716</b> |           |

**UPC**

0 47700 25716 7

5716 C6587563

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6587523

| OP. #        | OP. NAME                                                       | READINGS | DATE     | INIT |
|--------------|----------------------------------------------------------------|----------|----------|------|
| 575 &<br>580 | Assemble Action<br>and Stock                                   |          | 10/22/90 | KJ   |
| 600          | Proof                                                          |          | 10/22/90 | KJ   |
| 607          | Check Headspace                                                |          | 10/22/90 | KJ   |
| 610          | Dis-assemble Gun                                               |          | 10/22/90 | KJ   |
| 612          | Magnaflux Barrel<br>Action                                     |          | 10/24/90 | KR   |
|              | Magnaflux Bolt                                                 |          | 11       | KR   |
| 615          | Rollmark Caliber                                               |          | 11       | JS   |
| 617          | Drill and Tap Sight Holes                                      |          | 10/25/90 | KB   |
| 618          | Polish Barrel <i>KB</i>                                        |          | 10/26/90 | WB   |
| - 620        | Apply Coatings<br>(Barrel Action)                              |          | 11-7-90  | JA   |
|              | Apply Coating (Bolt)                                           |          |          |      |
| 625          | Final Assembly<br>A) Clean inside of<br>Bolt Assembly          |          | 12/4/90  | KS   |
|              | B) Inspect Rear Firing<br>Pin Hole for Chamfer<br>in Bolt Head |          | 12/4/90  | KS   |
|              | C) Inspect Ejector Hole<br>for Chamfer                         |          | 12/4/90  | KS   |
|              | D) Oil Firing Pin Ass'y                                        |          | 12/4/90  | KS   |
|              | E) Adjust Trigger Pull to<br>Min Setting and Stake             |          | 12/5/90  | JA   |

| op. #        | OP. NAME                                                    | READINGS |       |       |     |     | DATE     | INIT |
|--------------|-------------------------------------------------------------|----------|-------|-------|-----|-----|----------|------|
| 625<br>cont. | F) Safety On Force                                          | 4 1/2    | 4 1/2 | 4 1/2 |     |     | 12/5/90  | WB   |
|              | G) Safety Off Force                                         | 2 1/2    | 2 1/2 | 2 1/2 |     |     | 12/5/90  | WB   |
|              | H) Trigger Pull Test & Retainability                        |          |       |       |     |     | 12/5/90  | JS   |
|              | I) Firing Pin Indent                                        | .024     | .024  | .024  |     |     | 12/5/90  | WB   |
|              | J) Assemble Stock                                           |          |       |       |     |     | 12/7/90  | KS   |
|              | K) Assemble Swivel Studs                                    |          |       |       |     |     | 12-8-90  | KS   |
|              | L) Attach Front and Rear Sight Assemblies                   |          |       |       |     |     | 12/7/90  | KS   |
|              | M) Iron Sight Alignment                                     |          |       |       |     |     | 12/7/90  | KS   |
|              | N) Detach Front & Rear Sights & place in numbered container |          |       |       |     |     | 12/7/90  | KS   |
|              | O) Attach Scope to Rifle                                    |          |       |       |     |     | 12/7/90  | KS   |
|              | P) Detach & Attach Scope 20 Times                           |          |       |       |     |     | 12/7/90  | KS   |
| 640          | Gallery Target & Test                                       |          |       |       |     |     | 12/7/90  | KS   |
|              | A) Time                                                     |          |       |       |     |     | 12/7/90  | KS   |
|              | B) Malfunctions                                             |          |       |       |     |     | 12/7/90  | KS   |
|              | C) Pierced Primers                                          |          |       |       |     |     | 12/7/90  | KS   |
|              | D) Optical Clarity of Scope                                 |          |       |       |     |     | 12/7/90  | KS   |
| 645          | Inspect for Live Ammo                                       |          |       |       |     |     | 12/7/90  | KS   |
| 655          | Final Inspection                                            |          |       |       |     |     | 12-8-90  | KS   |
|              | A) Headspace                                                |          |       |       |     |     | 12-8-90  | KS   |
|              | B) Trigger Pull                                             | 238      | 232   | 212   | 240 | 230 | 12-8-90  | KS   |
|              | C) Function                                                 |          |       |       |     |     | 12-8-90  | KS   |
| 660          | Pack                                                        |          |       |       |     |     | 12/14/90 | KS   |

AVERAGE PULL FORCE BETWEEN  
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. E6587563

DATE 12-5-90

TESTER JF

|         | 2.50#<br>INITIAL | 2.50# AFTER<br>50 CYCLES | FINAL TEST &<br>TO RESET 2.50# |     | COMMENTS                                                               |
|---------|------------------|--------------------------|--------------------------------|-----|------------------------------------------------------------------------|
| PULL #1 | 2.46             | 2.40                     | 2.40                           | 238 | MIN. SETTING,<br>NO AVG. OF 5<br>READINGS ACCEPT-<br>ABLE LESS THAN 2# |
| PULL #2 | 2.41             | 2.39                     | 2.40                           | 238 |                                                                        |
| PULL #3 | 2.39             | 2.39                     | 2.38                           | 212 |                                                                        |
| PULL #4 | 2.40             | 2.39                     | 2.40                           | 240 |                                                                        |
| PULL #5 | 2.40             | 2.39                     | 2.38                           | 230 |                                                                        |
| TOTAL   |                  |                          |                                |     |                                                                        |
| AVG.    |                  |                          |                                |     |                                                                        |

|         | 3.00#<br>INITIAL | 3.00# AFTER<br>20 CYCLES |  | COMMENTS |
|---------|------------------|--------------------------|--|----------|
| PULL #1 | 3.26             | 3.22                     |  |          |
| PULL #2 | 3.20             | 3.18                     |  |          |
| PULL #3 | 3.29             | 3.26                     |  |          |
| PULL #4 | 3.26             | 3.28                     |  |          |
| PULL #5 | 3.28             | 3.24                     |  |          |
| 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 | 4.24             | 4.21                     |                                | 4.22                                 |
| PULL #2 | 4.14             | 4.15                     |                                | 4.22                                 |
| PULL #3 | 4.23             | 4.22                     |                                | 4.25                                 |
| PULL #4 | 4.22             | 4.24                     |                                | 4.24                                 |
| PULL #5 | 4.25             | 4.20                     |                                | 4.15                                 |
| TOTAL   |                  |                          |                                |                                      |
| AVG.    |                  |                          |                                |                                      |

CENTROIDAL DISTANCE CALCULATIONS  
FOR RIFLE # C6587563  
8 Dec 1990

CENTROIDAL DISTANCES

|      |   |          |
|------|---|----------|
| 0 TO | 1 | .0551725 |
| 1 TO | 2 | .162     |
| 1 TO | 3 | .238665  |
| 1 TO | 4 | .245837  |
| 1 TO | 5 | .240801  |

$\frac{3}{34}$  <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0436  
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.138  
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .144724  
THE AMR FOR THIS RIFLE IS: .7768

8 Dec 1998

FILE:/PATTERNING/CENTERFIRE\_PATT/CS587583

## CENTERFIRE PATTERNS # 1

POA

1in circle

2in circle

3in circle

CENTROID \*

# OF SHOTS- 10

# IN CIR

1in = 2

2in = 8

3in = 10

HS= 1.592

VS= 2.163

GS= 2.238

| PATTERN #                   | : | 1      | 9      | 8     |
|-----------------------------|---|--------|--------|-------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8     |
| MAXIMUM X                   | : | .760   | .667   | .624  |
| MINIMUM X                   | : | -.832  | -.550  | -.593 |
| MAXIMUM Y                   | : | .985   | .714   | .580  |
| MINIMUM Y                   | : | -1.178 | -1.069 | -.752 |
| CENTROID X                  | : | .038   | .131   | .174  |
| CENTROID Y                  | : | -.040  | -.149  | -.016 |
| POA TO CENTROID in.         | : | .055   | .198   | .175  |
| MIN RADIUS                  | : | .354   | .290   | .382  |
| MEAN RADIUS                 | : | .743   | .667   | .601  |
| MAX RADIUS                  | : | 1.289  | 1.124  | .830  |
| HORIZONTAL SPREAD           | : | 1.592  | 1.217  | 1.217 |
| VERTICAL SPREAD             | : | 2.163  | 1.783  | 1.332 |
| EXTREME SPREAD              | : | 2.238  | 1.900  | 1.554 |
| NUMBER IN ONE INCH CIRCLE   | = |        | 2      |       |
| NUMBER IN TWO INCH CIRCLE   | = |        | 8      |       |
| NUMBER IN THREE INCH CIRCLE | = |        | 10     |       |

8 Dec 1998

FILE:/PATTERNING/CENTERFIRE\_PATT/06587563

## CENTERFIRE PATTERNS

# 2

POA

1in circle

2in circle

3in circle

# OF SHOTS- 10

# IN CIR

1in = 2

2in = 9

3in = 10

HS= 1.819

VS= 1.685

GS= 2.049

CENTROID #

| PATTERN #                   | : | 2     |       |       |
|-----------------------------|---|-------|-------|-------|
| SHOTS (BEST OF)             | : | 10    | 9     | 8     |
| MAXIMUM X                   | : | 1.001 | .377  | .288  |
| MINIMUM X                   | : | -.818 | -.706 | -.339 |
| MAXIMUM Y                   | : | .867  | .914  | .855  |
| MINIMUM Y                   | : | -.818 | -.771 | -.830 |
| CENTROID X                  | : | .038  | -.074 | .015  |
| CENTROID Y                  | : | .122  | .075  | .134  |
| POA TO CENTROID in.         | : | .127  | .105  | .135  |
| MIN RADIUS                  | : | .190  | .302  | .214  |
| MEAN RADIUS                 | : | .696  | .663  | .616  |
| MAX RADIUS                  | : | 1.087 | .924  | .896  |
| HORIZONTAL SPREAD           | : | 1.819 | 1.083 | .627  |
| VERTICAL SPREAD             | : | 1.685 | 1.685 | 1.685 |
| EXTREME SPREAD              | : | 2.049 | 1.689 | 1.689 |
| NUMBER IN ONE INCH CIRCLE   | = |       | 2     |       |
| NUMBER IN TWO INCH CIRCLE   | = |       | 9     |       |
| NUMBER IN THREE INCH CIRCLE | = |       | 10    |       |

8 Dec 1998

FILE:/PATTERNING/CENTERFIRE\_PATT/C8587563

## CENTERFIRE PATTERNS # 3

POA

1in circle

2in circle

3in circle

CENTROID #

# OF SHOTS - 10

# IN CIR

1in = 4

2in = 9

3in = 10

HS= 1.571

VS= 1.642

GS= 1.831

| PATTERN #                   | : | 3     |       |       |
|-----------------------------|---|-------|-------|-------|
| SHOTS (BEST OF)             | : | 10    | 9     | 8     |
| MAXIMUM X                   | : | .891  | .799  | .257  |
| MINIMUM X                   | : | -.680 | -.581 | -.481 |
| MAXIMUM Y                   | : | .788  | .722  | .790  |
| MINIMUM Y                   | : | -.854 | -.920 | -.852 |
| CENTROID X                  | : | -.022 | -.121 | -.221 |
| CENTROID Y                  | : | -.271 | -.205 | -.273 |
| POA TO CENTROID in.         | : | .272  | .238  | .351  |
| MIN RADIUS                  | : | .229  | .186  | .079  |
| MEAN RADIUS                 | : | .651  | .584  | .503  |
| MAX RADIUS                  | : | 1.073 | .967  | .890  |
| HORIZONTAL SPREAD           | : | 1.571 | 1.380 | .738  |
| VERTICAL SPREAD             | : | 1.642 | 1.642 | 1.642 |
| EXTREME SPREAD              | : | 1.831 | 1.659 | 1.659 |
| NUMBER IN ONE INCH CIRCLE   | = |       | 4     |       |
| NUMBER IN TWO INCH CIRCLE   | = |       | 9     |       |
| NUMBER IN THREE INCH CIRCLE | = |       | 10    |       |

8 Dec 1998

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## CENTERFIRE PATTERNS

# 4

FOR

1in circle

2in circle

3in circle

CENTROID \*

# OF SHOTS- 10

# IN CIR

1in = 2

2in = 7

3in = 8

HS= 1.702

VS= 2.692

GS= 2.841

| PATTERN #                   | : | 4      |        |        |
|-----------------------------|---|--------|--------|--------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | 1.045  | .566   | .598   |
| MINIMUM X                   | : | -.657  | -.541  | -.509  |
| MAXIMUM Y                   | : | 1.158  | 1.013  | .837   |
| MINIMUM Y                   | : | -1.534 | -1.405 | -1.135 |
| CENTROID X                  | : | .194   | .078   | .046   |
| CENTROID Y                  | : | -.230  | -.359  | -.183  |
| FOR TO CENTROID in.         | : | .301   | .367   | .189   |
| MIN RADIUS                  | : | .292   | .460   | .326   |
| MEAN RADIUS                 | : | .907   | .836   | .713   |
| MAX RADIUS                  | : | 1.560  | 1.428  | 1.253  |
| HORIZONTAL SPREAD           | : | 1.702  | 1.107  | 1.107  |
| VERTICAL SPREAD             | : | 2.692  | 2.418  | 1.972  |
| EXTREME SPREAD              | : | 2.841  | 2.475  | 2.117  |
| NUMBER IN ONE INCH CIRCLE   | = |        | 2      |        |
| NUMBER IN TWO INCH CIRCLE   | = |        | 7      |        |
| NUMBER IN THREE INCH CIRCLE | = |        | 8      |        |

8 Dec 1998

FILE:/PATTERNING/CENTERFIRE\_PATT/C8587563

## CENTERFIRE PATTERNS # 5

POR

1 in circle

2 in circle

3 in circle

CENTROID \*

# OF SHOTS- 10

# IN CIR

1 in = 2

2 in = 6

3 in = 10

HS= 2.023

VS= 2.581

GS= 2.691

| PATTERN #                   | : | 5      | 9      | 8      |
|-----------------------------|---|--------|--------|--------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | .964   | .935   | .993   |
| MINIMUM X                   | : | -1.059 | -1.088 | -1.030 |
| MAXIMUM Y                   | : | 1.349  | .553   | .417   |
| MINIMUM Y                   | : | -1.232 | -1.082 | -.721  |
| CENTROID X                  | : | -.030  | -.001  | -.059  |
| CENTROID Y                  | : | -.271  | -.421  | -.285  |
| POR TO CENTROID in.         | : | .272   | .421   | .291   |
| MIN RADIUS                  | : | .350   | .477   | .377   |
| MEAN RADIUS                 | : | .887   | .846   | .773   |
| MAX RADIUS                  | : | 1.375  | 1.178  | 1.135  |
| HORIZONTAL SPREAD           | : | 2.023  | 2.023  | 2.023  |
| VERTICAL SPREAD             | : | 2.581  | 1.635  | 1.138  |
| EXTREME SPREAD              | : | 2.691  | 2.069  | 2.069  |
| NUMBER IN ONE INCH CIRCLE   | = |        | 2      |        |
| NUMBER IN TWO INCH CIRCLE   | = |        | 6      |        |
| NUMBER IN THREE INCH CIRCLE | = |        | 10     |        |