

C6611505

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

* Includes 1 in chamber.

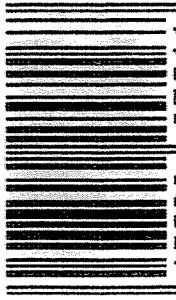


Remington REG. U.S. PAT. & TM. OFF.		VERY IMPORTANT: Instruction Book enclosed to assure safe use of this firearm.	
MODEL 700™ H24		SERIAL NO. C6611505	ORDER NO. 5716
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.		20	



5716 C6611505

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # **C6611505**

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		3/13/91	K.S.
600	Proof		3/13/91	K.S.
607	Check Headspace		3/13/91	K.S.
610	Dis-assemble Gun		3/13/91	K.S.
612	Magnaflux Barrel Action		3/28/91	K.R.
	Magnaflux Bolt		"	K.R.
615	Rollmark Caliber		"	G.L.
617	Drill and Tap Sight Holes		APR 3 1991	K.B.
618	Polish Barrel		APR 3 1991	W.B.
620	Apply Coatings (Barrel Action)		4/19/91	D.K.
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		4/26/91	K.S.
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		4/26/91	K.S.
	C) Inspect Ejector Hole for Chamfer		4/26/91	K.S.
	D) Oil Firing Pin Ass'y		4/26/91	K.S.
	E) Adjust Trigger Pull to Min Setting and Stake		4/29/91	J.L.

op. #	BARBER M24 0077943	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			4/30/91	JH
	G) Safety Off Force	4	4	4			4/30/91	JH
	H) Trigger Pull Test & Retainability						4/29/91	JH
	I) Firing Pin Indent	.0225	.0225	.0225			4/30/91	JH
	J) Assemble Stock						4/30/91	KS
	K) Assemble Swivel Studs						5-13-91	AC
	L) Attach Front and Rear Sight Assemblies						4/30/91	KS
	M) Iron Sight Alignment						4/30/91	KS
	N) Detach Front & Rear Sights & place in numbered container						4/30/91	KS
	O) Attach Scope to Rifle						4/30/91	KS
	P) Detach & Attach Scope 20 Times						4/30/91	KS
640	Gallery Target & Test						5-1-91	AC
	A) Time						5-1-91	AC
	B) Malfunctions						5-1-91	AC
	C) Pierced Primers						5-1-91	AC
	D) Optical Clarity of Scope						5-1-91	AC
645	Inspect for Live Ammo						5-1-91	AC
655	Final Inspection							
	A) Headspace						5-13-91	AC
	B) Trigger Pull	2.18	2.19	2.16	2.25	2.28	5/10/91	JH
	C) Function						5-13-91	AC
660	Pack						6-18-91	NF

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

SERIAL NO. C6611505DATE 4/29/97TESTER JL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.46	2.38	2.35	2.18	MIN. SETTING
PULL #2	2.33	2.39	2.34	2.19	NO AVG. OF 5
PULL #3	2.38	2.39	2.37	2.16	READINGS ACCEPT-
PULL #4	2.36	2.37	2.37	2.25	ABLE LESS THAN 2#
PULL #5	2.32	2.34	2.35	2.28	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.57	3.38		
PULL #2	3.55	3.43		
PULL #3	3.50	3.38		
PULL #4	3.49	3.54		
PULL #5	3.38	3.50		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.22	4.55		4.23
PULL #2	4.55	4.57		4.27
PULL #3	4.52	4.19		4.23
PULL #4	4.52	4.25		4.29
PULL #5	4.53	4.25		4.27
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6611505
1 May 1991

CENTROIDAL DISTANCES

0 TO	1	.665439
1 TO	2	.871608
1 TO	3	1.09403
1 TO	4	.648594
1 TO	5	1.27681

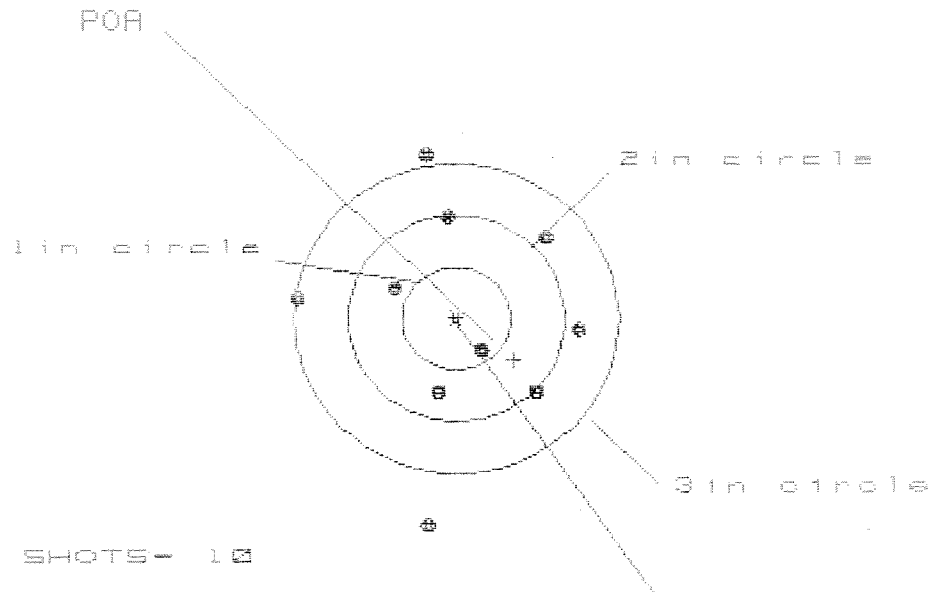
$$\begin{matrix} & 2 \\ 1 & 4 & 5 \\ & + & 3 \end{matrix} \quad \text{-----POA}$$

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .16-
 THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .13-
 THE AVERAGE POI RADIUS FOR THIS RIFLE
 IS: .9758

1 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06611585

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 4

3 in = 5

HS= 2.583

VS= 3.584

GS= 3.584

CENTROID *

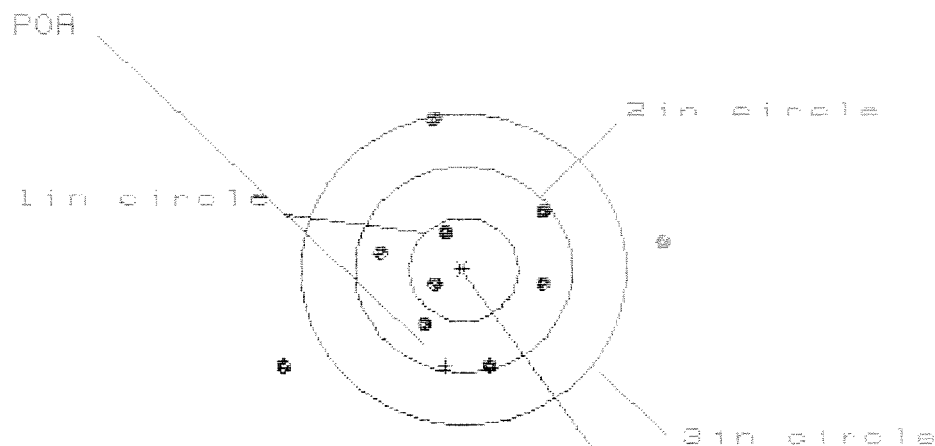
PATTERN #

	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.083	1.052	1.010
MINIMUM X	-1.500	-1.531	-1.572
MAXIMUM Y	1.567	1.343	.883
MINIMUM Y	-2.017	-.932	-.755
CENTROID X	-.528	-.497	-.458
CENTROID Y	.405	.629	.467
POA TO CENTROID in.	.666	.802	.611
MIN RADIUS	.409	.577	.434
MEAN RADIUS	1.111	1.001	.932
MAX RADIUS	2.037	1.531	1.564
HORIZONTAL SPREAD	2.583	2.583	2.583
VERTICAL SPREAD	3.584	2.275	1.653
EXTREME SPREAD	3.584	2.686	2.686
NUMBER IN ONE INCH CIRCLE	= 1		
NUMBER IN TWO INCH CIRCLE	= 4		
NUMBER IN THREE INCH CIRCLE	= 7		

1 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8611585

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 7

3 in = 8

HS= 3.504

VS= 2.402

GS= 3.700

CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.846	1.662	.752
MINIMUM X	-1.658	-.970	-.763
MAXIMUM Y	1.443	1.336	1.351
MINIMUM Y	-.959	-1.042	-1.027
CENTROID X	.167	.351	.144
CENTROID Y	.931	1.038	1.023
POA TO CENTROID in.	.946	1.096	1.033
MIN RADIUS	.293	.431	.317
MEAN RADIUS	1.000	.908	.777
MAX RADIUS	1.916	1.666	1.376
HORIZONTAL SPREAD	3.504	2.632	1.515
VERTICAL SPREAD	2.402	2.378	2.378
EXTREME SPREAD	3.700	2.633	2.433
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		8	

1 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8811505

CENTERFIRE PATTERNS # 3

POR

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS= 10

IN CIR

1in = 2

2in = 5

3in = 8

HS= 2.808

VS= 2.809

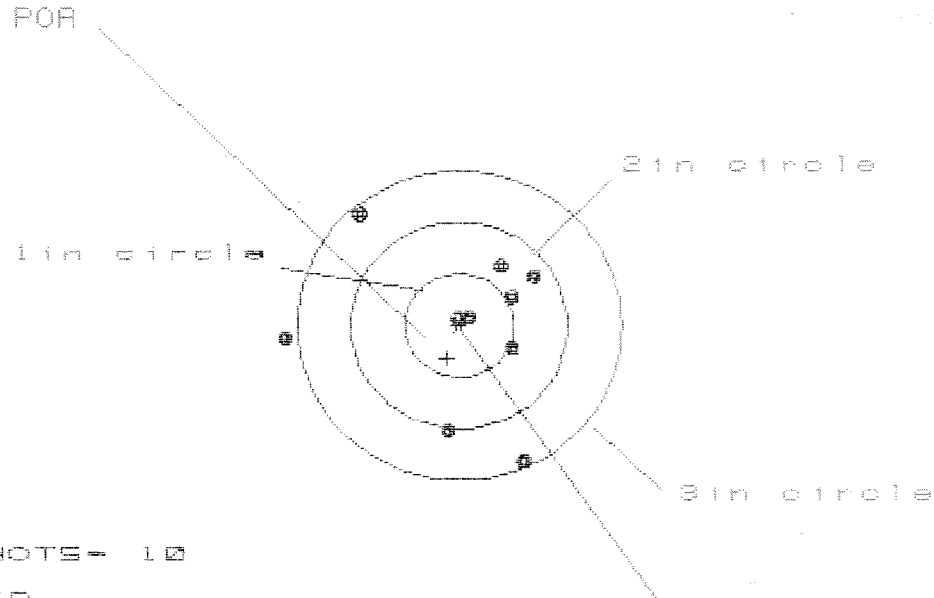
GS= 3.566

PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.010	.832	.911
MINIMUM X	-1.595	-1.012	-.933
MAXIMUM Y	1.640	1.529	1.252
MINIMUM Y	-1.169	-1.280	-1.089
CENTROID X	.352	.530	.451
CENTROID Y	-.245	-.134	-.325
POR TO CENTROID in.	.429	.546	.556
MIN RADIUS	.351	.326	.225
MEAN RADIUS	1.068	.978	.858
MAX RADIUS	1.881	1.654	1.263
HORIZONTAL SPREAD	2.605	1.844	1.844
VERTICAL SPREAD	2.809	2.809	2.341
EXTREME SPREAD	3.566	2.863	2.363
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	8		

1 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8611585

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 7

3 in = 8

HS= 2.286

VS= 2.477

GS= 2.851

CENTROID #

PATTERN #	4
SHOTS (BEST OF)	10
MAXIMUM X	.655
MINIMUM X	-1.611
MAXIMUM Y	1.127
MINIMUM Y	-1.350
CENTROID X	.115
CENTROID Y	.320
POA TO CENTROID in.	.340
MIN RADIUS	.096
MEAN RADIUS	.832
MAX RADIUS	1.613
HORIZONTAL SPREAD	2.266
VERTICAL SPREAD	2.477
EXTREME SPREAD	2.851
NUMBER IN ONE INCH CIRCLE	2
NUMBER IN TWO INCH CIRCLE	7
NUMBER IN THREE INCH CIRCLE	9

1 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611585

CENTERFIRE PATTERNS # 5

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS = 10

IN CIR

1in = 2

2in = 6

3in = 8

HS = 1.358

VS = 3.107

GS = 3.325

PATTERN #

5

SHOTS (BEST OF)

10

9

8

MAXIMUM X

.729

.676

.758

MINIMUM X

-.629

-.682

-.600

MAXIMUM Y

1.478

1.297

.903

MINIMUM Y

-1.629

-.958

-.796

CENTROID X

.739

.792

.710

CENTROID Y

.563

.744

.582

POA TO CENTROID in.

.929

1.087

.919

MIN RADIUS

.288

.193

.303

MEAN RADIUS

.868

.772

.670

MAX RADIUS

1.698

1.451

.944

HORIZONTAL SPREAD

1.358

1.358

1.358

VERTICAL SPREAD

3.107

2.255

1.699

EXTREME SPREAD

3.325

2.485

1.797

NUMBER IN ONE INCH CIRCLE =

2

NUMBER IN TWO INCH CIRCLE =

8

NUMBER IN THREE INCH CIRCLE =

8