

C6636335

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington




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

REG. U.S. PAT. & TM. OFF.

MODEL 700™ H24

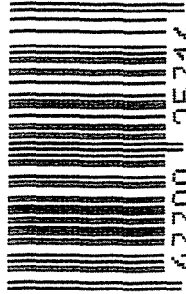
SERIAL NO. C6636335

ORDER NO. 5716

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

5716 C6636335

LPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # **C6636335**

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		5/3/91	K.S.
600	Proof		5/3/91	K.S.
607	Check Headspace		5/3/91	K.S.
610	Dis-assemble Gun		5/3/91	K.S.
612	Magnaflux Barrel Action	5 8 0 1		Kcd
	Magnaflux Bolt	5 8 9 1		Kcd
615	Rollmark Caliber	5 8 9 1		G.B.
617	Drill and Tap Sight Holes	5 15 9 1		F.B.
618	Polish Barrel	5 15 9 1		W.B.
620	Apply Coatings (Barrel Action)		5/29/91	JA
	Apply Coating (Bolt)		5/29/91	JA
625	Final Assembly A) Clean inside of Bolt Assembly		6/4/91	K.S.
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		6/4/91	K.S.
	C) Inspect Ejector Hole for Chamfer		6/4/91	K.S.
	D) Oil Firing Pin Ass'y		6/4/91	K.S.
	E) Adjust Trigger Pull to Min Setting and Stake		6-5/91	JLL

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			6-5-91	JK
	G) Safety Off Force	3	3	3			6-5-91	JK
	H) Trigger Pull Test & Retainability						6-5-91	JK
	I) Firing Pin Indent	.0225	.0225	.0225			6-5-91	JK
	J) Assemble Stock						4/5/91	KS
	K) Assemble Swivel Studs						6-14-91	JK
	L) Attach Front and Rear Sight Assemblies						4/5/91	KS
	M) Iron Sight Alignment						4/5/91	KS
	N) Detach Front & Rear Sights & place in numbered container						4/5/91	KS
	O) Attach Scope to Rifle						4/5/91	KS
	P) Detach & Attach Scope 20 Times						4/5/91	KS
640	Gallery Target & Test						6/6/91	KT
	A) Time						c.i.	KT
	B) Malfunctions						c.i.	KT
	C) Pierced Primers						c.i.	KT
	D) Optical Clarity of Scope						c.i.	KT
645	Inspect for Live Ammo						6/6/91	KT
655	Final Inspection							
	A) Headspace						6-14-91	JK
	B) Trigger Pull	2.65	2.70	2.69	2.75	2.68	6-13-91	JK
	C) Function						6-14-91	JK
660	Pack						6-19-91	AF

SWS TRIGGER PULL TEST

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

SERIAL NO. C-6636335

DATE 6-5-91

TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.46	2.29	2.30	2.65	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.38	2.28	2.20	2.70	
PULL #3	2.41	2.22	2.22	2.69	
PULL #4	2.27	2.31	2.31	2.75	
PULL #5	2.38	2.18	2.30	2.68	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.63	3.58		
PULL #2	3.35	3.54		
PULL #3	3.64	3.62		
PULL #4	3.27	3.64		
PULL #5	3.38	3.61		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.25	4.30		4.16
PULL #2	4.52	4.36		4.40
PULL #3	4.36	4.34		4.46
PULL #4	4.50	4.38		4.23
PULL #5	4.22	4.27		4.41
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06636335
6 Jun 1991

CENTROIDAL DISTANCES

0 TO	1	.199249
1 TO	2	.313193
1 TO	3	.115434
1 TO	4	.445063
1 TO	5	.188162

4

-----FOR

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0238
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0984
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .101237

THE AMR FOR THIS RIFLE IS: 1.056

6 Jun 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C683B335

CENTERFIRE PATTERNS

1

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS- 12

IN CIR

1 in = 1

2 in = 3

3 in = 6

HS= 3.349

VS= 4.460

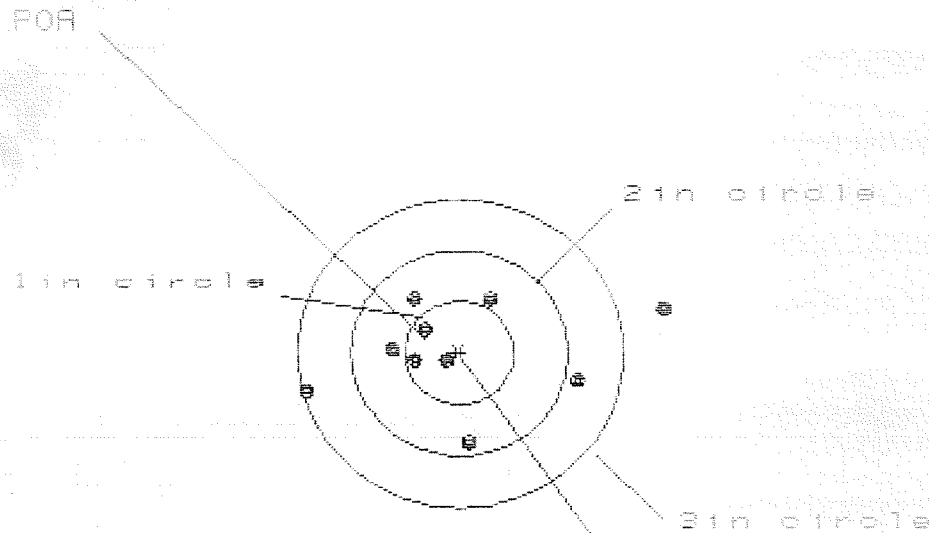
GS= 4.837

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.788	1.028	1.042
MINIMUM X	-1.561	-1.362	-1.348
MAXIMUM Y	2.525	2.310	1.763
MINIMUM Y	-1.935	-1.126	-0.838
CENTROID X	-0.050	-0.259	-0.273
CENTROID Y	-0.190	0.025	-0.263
POA TO CENTROID in.	0.199	0.260	0.379
MIN RADIUS	0.330	0.183	0.186
MEAN RADIUS	1.402	1.263	1.084
MAX RADIUS	2.635	2.312	1.768
HORIZONTAL SPREAD	3.349	2.390	2.390
VERTICAL SPREAD	4.460	3.436	2.601
EXTREME SPREAD	4.837	3.549	2.683
NUMBER IN ONE INCH CIRCLE	= 1		
NUMBER IN TWO INCH CIRCLE	= 3		
NUMBER IN THREE INCH CIRCLE	= 6		

6 Jun 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C863B335

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1in = 3

2in = 7

3in = 9

HS= 3.228

VS= 1.436

GS= 3.340

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.853	1.325	1.179
MINIMUM X	:	-1.375	-1.169	-.578
MAXIMUM Y	:	.551	.599	.553
MINIMUM Y	:	-.885	-.837	-.882
CENTROID X	:	.119	-.087	.059
CENTROID Y	:	.067	.019	.065
POA TO CENTROID in.	:	.137	.089	.087
MIN RADIUS	:	.164	.104	.123
MEAN RADIUS	:	.834	.658	.607
MAX RADIUS	:	1.905	1.340	1.205
HORIZONTAL SPREAD	:	3.228	2.494	1.757
VERTICAL SPREAD	:	1.436	1.436	1.436
EXTREME SPREAD	:	3.340	2.500	1.780
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

6 Jun 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08636335

CENTERFIRE PATTERNS

3

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS- 12

IN CIR

1in = 1

2in = 3

3in = 6

HS= 3.140

VS= 3.689

GS= 4.081

PATTERN #

:

3

SHOTS (BEST OF)

:

10

9

8

MAXIMUM X

:

1.742

1.586

1.610

MINIMUM X

:

-1.398

-1.931

-1.907

MAXIMUM Y

:

1.828

1.621

1.284

MINIMUM Y

:

-1.861

-1.859

-1.657

CENTROID X

:

.026

.182

.158

CENTROID Y

:

-1.267

-1.061

-1.263

POA TO CENTROID in.

:

.269

.191

.307

MIN RADIUS

:

.445

.518

.554

MEAN RADIUS

:

1.425

1.301

1.264

MAX RADIUS

:

2.328

1.957

1.774

HORIZONTAL SPREAD

:

3.140

2.517

2.517

VERTICAL SPREAD

:

3.689

3.480

2.941

EXTREME SPREAD

:

4.081

3.505

3.234

NUMBER IN ONE INCH CIRCLE =

1

NUMBER IN TWO INCH CIRCLE =

3

NUMBER IN THREE INCH CIRCLE =

6

8 Jun 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8636335

CENTERFIRE PATTERNS

4

POA

1 in circle

2 in circle

3 in circle

OF SHOTS- 10

IN CIR

1 in = 2

2 in = 5

3 in = 8

HS= 2.512

VS= 2.603

GS= 2.807

CENTROID *

PATTERN #

4

SHOTS (BEST OF)

10

9

8

MAXIMUM X

1.536

1.240

1.281

MINIMUM X

-.976

-.886

-.765

MAXIMUM Y

1.526

1.490

.748

MINIMUM Y

-1.077

-1.113

-.926

CENTROID X

.000

-.170

-.211

CENTROID Y

.251

.287

.101

POA TO CENTROID in.

.251

.333

.234

MIN RADIUS

.317

.392

.228

MEAN RADIUS

.957

.885

.771

MAX RADIUS

1.569

1.526

1.311

HORIZONTAL SPREAD

2.512

2.046

2.046

VERTICAL SPREAD

2.603

2.603

1.675

EXTREME SPREAD

2.807

2.807

2.305

NUMBER IN ONE INCH CIRCLE =

2

NUMBER IN TWO INCH CIRCLE =

5

NUMBER IN THREE INCH CIRCLE =

8

5 Jun 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8B3B335

CENTERFIRE PATTERNS

5

POR

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS = 10

IN CIR

1in = 5

2in = 8

3in = 9

HS = 1.050

VS = 2.930

GS = 2.950

PATTERN #	3	3	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.400	.392	.405
MINIMUM X	-.658	-.614	-.601
MAXIMUM Y	.974	.757	.700
MINIMUM Y	-1.956	-.804	-.709
CENTROID X	.034	-.010	-.023
CENTROID Y	-.353	-.136	-.231
POR TO CENTROID in.	.355	.137	.232
MIN RADIUS	.240	.208	.201
MEAN RADIUS	.664	.495	.447
MAX RADIUS	1.996	.822	.733
HORIZONTAL SPREAD	1.050	1.006	1.006
VERTICAL SPREAD	2.930	1.561	1.409
EXTREME SPREAD	2.950	1.563	1.440
NUMBER IN ONE INCH CIRCLE	= 5	5	5
NUMBER IN TWO INCH CIRCLE	= 8	8	8
NUMBER IN THREE INCH CIRCLE	= 9	9	9