

C6636083

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5715**

*Includes 1 in chamber.

Remington

M2400037539

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON



MODEL 700™ H24



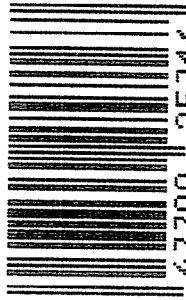
REG. U.S. PAT. & TM. OFF.

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

SERIAL NO. C6636083	20
ORDER NO. 5716	

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

UPC



0 47700 25716 7



5716 C6636083

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6636083

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	4 8	91	RW
600	Proof			RW
607	Check Headspace			RW
610	Dis-assemble Gun			RW
612	Magnaflux Barrel Action		APR 9 1991	KR
	Magnaflux Bolt		APR 9 1991	11
615	Rollmark Caliber		APR 9 1991	GL
617	Drill and Tap Sight Holes		APR 19 1991	FB
618	Polish Barrel		APR 19 1991	WB
620	Apply Coatings (Barrel Action)			
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		5/14/91	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/14/91	RW
	C) Inspect Ejector Hole for Chamfer		5/14/91	RW
	D) Oil Firing Pin Ass'y		5/14/91	RW
	E) Adjust Trigger Pull to Min Setting and Stake		6-4-91	RL

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	7	7			6-4-91	WB
	G) Safety Off Force	3 1/2	3 1/2	3 1/2			6-4-91	WB
	H) Trigger Pull Test & Retainability						6-4-91	RL
	I) Firing Pin Indent	.021	.0205	.021			6-4-91	WB
	J) Assemble Stock						6-4-91	RL
	K) Assemble Swivel Studs						6-8-91	DH
	L) Attach Front and Rear Sight Assemblies						6-4-91	RL
	M) Iron Sight Alignment						6-4-91	RL
	N) Detach Front & Rear Sights & place in numbered container						6-4-91	RL
	O) Attach Scope to Rifle						6-4-91	RL
	P) Detach & Attach Scope 20 Times						6-4-91	RL
640	Gallery Target & Test						6-4-91	RF
	A) Time						"	RF
	B) Malfunctions						"	RF
	C) Pierced Primers						"	RF
	D) Optical Clarity of Scope						"	RF
645	Inspect for Live Ammo						6-4-91	RF
655	Final Inspection							
	A) Headspace						6-8-91	DH
	B) Trigger Pull	2.32	2.39	2.46	2.55	2.57	6-8-91	RL
	C) Function						6-8-91	DH
660	Pack						6-19-91	RF

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6636083

DATE 6-4-91

TESTER JU.

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.51	2.31	2.20	2.32	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.44	2.26	2.28	2.39	
PULL #3	2.47	2.34	2.35	2.46	
PULL #4	2.43	2.39	2.38	2.55	
PULL #5	2.36	2.17	2.31	2.54	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.50	3.39		
PULL #2	3.44	3.47		
PULL #3	3.47	3.57		
PULL #4	3.52	3.50		
PULL #5	3.51	3.44		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.44	4.29		4.35
PULL #2	4.30	4.18		4.34
PULL #3	4.44	4.29		4.30
PULL #4	4.44	4.43		4.50
PULL #5	4.33	4.45		4.40
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6636083
4 Jun 1991

CENTROIDAL DISTANCES

0 TO	1	.429684
1 TO	2	.446131
1 TO	3	.587082
1 TO	4	.375446
1 TO	5	.294905

34
1
2 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1876
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0286
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .189768

THE AMR FOR THIS RIFLE IS: 1.112

4 Jun 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C06535083

CENTERFIRE PATTERNS

1

POR

1in circle

2in circle

3in circle

CENTROID *

* OF SHOTS = 10

IN CIR

1in = 1

2in = 2

3in = 5

HS= 3.086

VS= 4.172

GS= 4.177

PATTERN #

1

SHOTS (BEST OF)

10

9

8

MAXIMUM X

2.117

2.090

1.249

MINIMUM X

-.969

-.996

-.735

MAXIMUM Y

1.649

1.368

1.220

MINIMUM Y

-2.523

-1.890

-2.038

CENTROID X

.428

.455

.194

CENTROID Y

-.038

.242

.390

POR TO CENTROID in.

.429

.515

.435

MIN RADIUS

.193

.446

.568

MEAN RADIUS

1.432

1.279

1.085

MAX RADIUS

2.536

2.401

2.068

HORIZONTAL SPREAD

3.086

3.086

1.984

VERTICAL SPREAD

4.172

3.258

3.258

EXTREME SPREAD

4.177

3.622

3.261

NUMBER IN ONE INCH CIRCLE =

1

NUMBER IN TWO INCH CIRCLE =

2

NUMBER IN THREE INCH CIRCLE =

5

4 Jun 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C86350B3

CENTERFIRE PATTERNS

2

POA

1in circle

2in circle

3in circle

* OF SHOTS = 10

IN CIR

1in = 2

2in = 5

3in = 7

HS = 3.387

VS = 2.735

GS = 4.042

CENTROID *

PATTERN #

2

SHOTS (BEST OF)

10

9

8

MAXIMUM X

-1.839

-1.223

-1.055

MINIMUM X

-1.548

-1.344

-1.149

MAXIMUM Y

1.034

.845

.885

MINIMUM Y

-1.701

-1.969

-1.929

CENTROID X

.215

.011

.179

CENTROID Y

-.430

-.241

-.261

POA TO CENTROID in.

.481

.242

.333

MIN RADIUS

.212

.092

.082

MEAN RADIUS

1.117

.957

.876

MAX RADIUS

2.505

1.380

1.411

HORIZONTAL SPREAD

3.387

2.567

2.284

VERTICAL SPREAD

2.735

1.814

1.814

EXTREME SPREAD

4.042

2.585

2.237

NUMBER IN ONE INCH CIRCLE =

2

NUMBER IN TWO INCH CIRCLE =

5

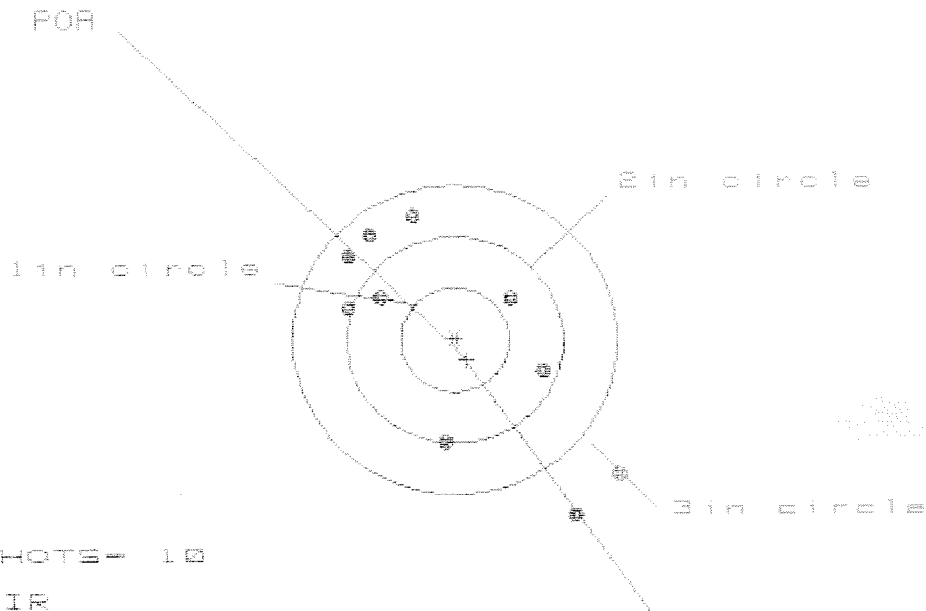
NUMBER IN THREE INCH CIRCLE =

7

4 Jun 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6636003

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 0

2in = 4

3in = 6

HS= 2.547

VS= 2.907

GS= 3.309

CENTROID *

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.520	1.640	1.165
MINIMUM X	:	-1.026	-.907	-.702
MAXIMUM Y	:	1.242	1.057	.875
MINIMUM Y	:	-1.665	-1.455	-1.375
CENTROID X	:	-.113	-.232	-.437
CENTROID Y	:	.190	.375	.557
FOR TO CENTROID in.	:	.221	.441	.700
MIN RADIUS	:	.628	.585	.329
MEAN RADIUS	:	1.222	1.093	.883
MAX RADIUS	:	1.981	2.192	1.397
HORIZONTAL SPREAD	:	2.547	2.547	1.867
VERTICAL SPREAD	:	2.907	2.512	2.250
EXTREME SPREAD	:	3.309	3.302	2.270
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		8	

4 JUN 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C86360B3

CENTERFIRE PATTERNS

4

POA

1in circle

2in circle

3in circle

OF SHOTS- 10

IN CIR

1in = 2

2in = 7

3in = 10

HS= 2.125

VS= 2.000

ES= 2.349

CENTROID *

PATTERN #

4

SHOTS (BEST OF)

10

9

8

MAXIMUM X

1.050

1.016

.678

MINIMUM X

-1.075

-1.109

-.982

MAXIMUM Y

1.352

.944

.893

MINIMUM Y

-.648

-.498

-.550

CENTROID X

.192

.226

.099

CENTROID Y

.254

.104

.156

POA TO CENTROID in.

.318

.249

.184

MIN RADIUS

.217

.064

.192

MEAN RADIUS

.815

.707

.677

MAX RADIUS

1.386

1.118

1.018

HORIZONTAL SPREAD

2.125

2.125

1.660

VERTICAL SPREAD

2.000

1.442

1.442

EXTREME SPREAD

2.349

2.142

1.831

NUMBER IN ONE INCH CIRCLE

2

NUMBER IN TWO INCH CIRCLE

7

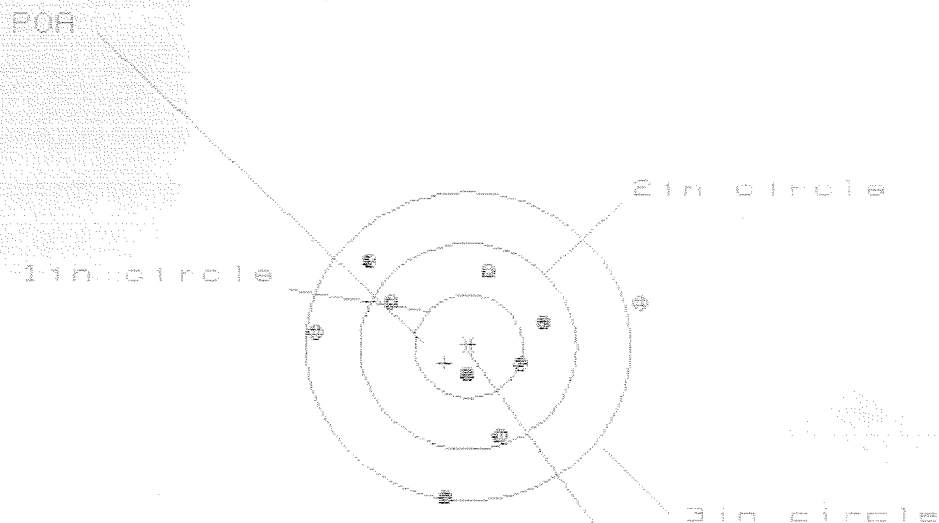
NUMBER IN THREE INCH CIRCLE

10

4 Jun 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C66360B3

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1in = 1

2in = 6

3in = 8

HS= 2.916

VS= 2.311

GS= 2.931

CENTROID *

PATTERN #	5	6	9	8
SHOTS (BEST OF)	10	9	8	
MAXIMUM X	1.536	.849	.841	
MINIMUM X	-1.380	-1.209	-1.217	
MAXIMUM Y	.825	.876	.697	
MINIMUM Y	-1.486	-1.435	-.969	
CENTROID X	.216	.045	.053	
CENTROID Y	.167	.116	.295	
POA TO CENTROID in.	.273	.124	.300	
MIN RADIUS	.287	.298	.450	
MEAN RADIUS	.976	.912	.836	
MAX RADIUS	1.603	1.436	1.217	
HORIZONTAL SPREAD	2.916	2.058	2.058	
VERTICAL SPREAD	2.311	2.311	1.666	
EXTREME SPREAD	2.931	2.408	2.063	
NUMBER IN ONE INCH CIRCLE =		1		
NUMBER IN TWO INCH CIRCLE =		6		
NUMBER IN THREE INCH CIRCLE =		8		