

C6636191

MODEL 700™ M24

Model **SWS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

Remington®



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

MODEL 700™ H24

SERIAL NO.
C6636191

ORDER NO.
5716

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

20



5716 C6636191

UPC



0 47700 25716 2

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

M2400038774

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C 6636191

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		4/3/91	K.S.
600	Proof		4/3/91	K.S.
607	Check Headspace		4/3/91	K.S.
610	Dis-assemble Gun		4/3/91	K.S.
612	Magnaflux Barrel Action		4/16/91	K.R.
	Magnaflux Bolt		4/16/91	U
615	Rollmark Caliber		4/16/91	GL
617	Drill and Tap Sight Holes		APR 19 1991	LB
618	Polish Barrel		APR 19 1991	WB
620	Apply Coatings (Barrel Action)		5-10-91	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		5/22/91	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/22/91	KS
	C) Inspect Ejector Hole for Chamfer		5/22/91	KS
	D) Oil Firing Pin Ass'y		5/22/91	KS
	E) Adjust Trigger Pull to Min Setting and Stake		5/24/91	JA

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5	5	5	5/24/91	JK
	G) Safety Off Force	3	3	3	3	3	5/24/91	JK
	H) Trigger Pull Test & Retainability						5/24/91	JK
	I) Firing Pin Indent	.022	.022	.022	.022	.022	5/24/91	JK
	J) Assemble Stock						5/24/91	KS
	K) Assemble Swivel Studs						6-1-91	DH
	L) Attach Front and Rear Sight Assemblies						5/24/91	KS
	M) Iron Sight Alignment						5/24/91	KS
	N) Detach Front & Rear Sights & place in numbered container						5/24/91	KS
	O) Attach Scope to Rifle						5/24/91	KS
	P) Detach & Attach Scope 20 Times						5/24/91	KS
640	Gallery Target & Test						5-28-91	DH
	A) Time						5-28-91	DH
	B) Malfunctions						5-28-91	DH
	C) Pierced Primers						5-28-91	DH
	D) Optical Clarity of Scope						5-28-91	DH
645	Inspect for Live Ammo						5-28-91	DH
655	Final Inspection							
	A) Headspace						6-1-91	DH
	B) Trigger Pull	2.30	2.29	2.40	2.49	2.60	6/1/91	JK
	C) Function						6-1-91	DH
660	Pack						6-20-91	DH

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#
3.00# ± .75#
4.00# ± 1.00#

SERIAL NO. C-6636191

DATE 5/24/91

TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.46	2.55	2.40	2.50	MIN. SETTING,
PULL #2	2.55	2.48	2.48	2.24	NO AVG. OF 5
PULL #3	2.47	2.45	2.33	2.40	READINGS ACCEPT-
PULL #4	2.55	2.50	2.38	2.49	ABLE LESS THAN 2#
PULL #5	2.54	2.48	2.38	2.60	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.35	3.33		
PULL #2	3.36	3.25		
PULL #3	3.40	3.23		
PULL #4	3.34	3.20		
PULL #5	3.37	3.14		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.36	4.16		4.41
PULL #2	4.34	4.27		4.40
PULL #3	4.36	4.27		4.36
PULL #4	4.32	4.44		4.46
PULL #5	4.29	4.31		4.38
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6636191
28 May 1991

CENTROIDAL DISTANCES

0 TO 1	.053
1 TO 2	.365825
1 TO 3	.0680661
1 TO 4	.11183
1 TO 5	.394411

46 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0988
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0544
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .112787

THE AMR FOR THIS RIFLE IS: .993

28 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8636191

CENTERFIRE PATTERNS # 1

POA

1in circle

2in circle

3in circle

OF SHOTS= 10

IN CIR

1in = 3

2in = 7

3in = 8

HS= 1.811

VS= 3.312

GS= 3.688

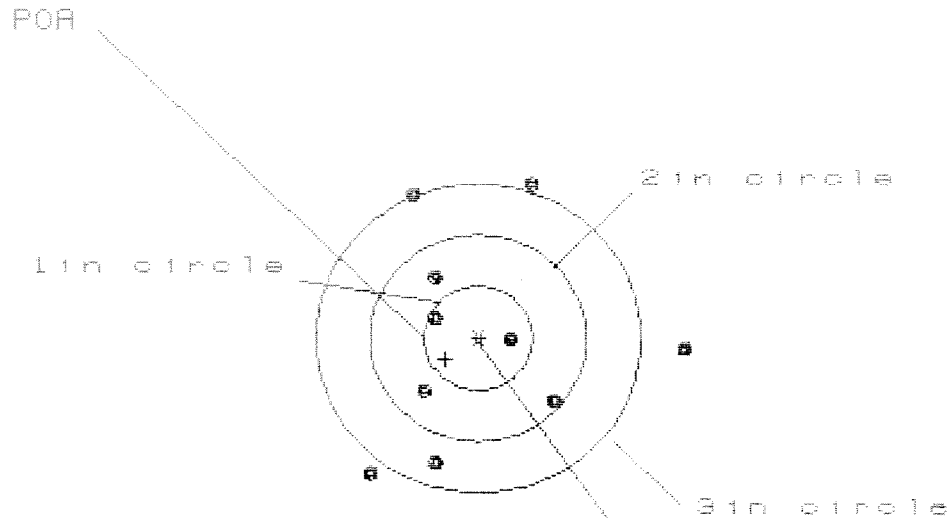
CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.824	.715	.780
MINIMUM X	-.987	-.922	-.857
MAXIMUM Y	1.920	1.117	.970
MINIMUM Y	-1.392	-1.179	-.577
CENTROID X	-.028	.081	.016
CENTROID Y	.045	-.168	-.021
POA TO CENTROID in.	.053	.187	.026
MIN RADIUS	.236	.006	.158
MEAN RADIUS	.874	.676	.615
MAX RADIUS	2.159	1.291	1.015
HORIZONTAL SPREAD	1.811	1.637	1.637
VERTICAL SPREAD	3.312	2.296	1.547
EXTREME SPREAD	3.688	2.315	1.865
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	8		

28 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6836191

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1in = 2

2in = 5

3in = 7

HS= 2.936

VS= 2.817

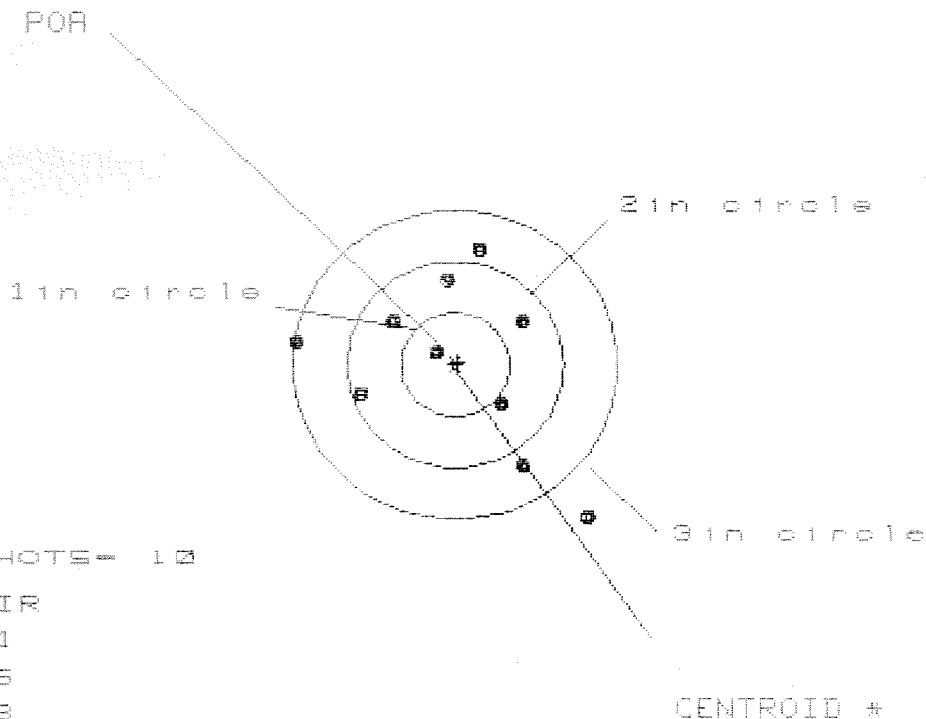
GS= 3.205

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.918	.946	.845
MINIMUM X	:	-1.018	-.805	-.495
MAXIMUM Y	:	1.474	1.468	1.299
MINIMUM Y	:	-1.343	-1.349	-1.362
CENTROID X	:	.300	.087	.188
CENTROID Y	:	.207	.213	.382
POA TO CENTROID in.	:	.365	.230	.425
MIN RADIUS	:	.308	.312	.323
MEAN RADIUS	:	1.111	1.001	.920
MAX RADIUS	:	1.919	1.614	1.419
HORIZONTAL SPREAD	:	2.936	1.751	1.340
VERTICAL SPREAD	:	2.817	2.817	2.661
EXTREME SPREAD	:	3.205	3.180	2.811
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		7	

28 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8696191

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 1

2in = 6

3in = 8

HS= 2.781

VS= 2.544

GS= 3.246

PATTERN #	3
SHOTS (BEST OF)	10
MAXIMUM X	1.273
MINIMUM X	-1.508
MAXIMUM Y	1.100
MINIMUM Y	-1.444
CENTROID X	-.025
CENTROID Y	-.023
POA TO CENTROID in.	.034
MIN RADIUS	.156
MEAN RADIUS	.969
MAX RADIUS	1.925
HORIZONTAL SPREAD	2.781
VERTICAL SPREAD	2.544
EXTREME SPREAD	3.246
NUMBER IN ONE INCH CIRCLE	1
NUMBER IN TWO INCH CIRCLE	6
NUMBER IN THREE INCH CIRCLE	8

28 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6636191

CENTERFIRE PATTERNS

4

POA

1 in circle

2 in circle

3 in circle

OF SHOTS = 10

IN CIR

1 in = 4

2 in = 5

3 in = 10

HS = 1.854

VS = 2.260

GS = 2.807

CENTROID #

PATTERN #	4	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.038	1.132	1.042
MINIMUM X	-.816	-.722	-.699
MAXIMUM Y	1.053	.918	1.024
MINIMUM Y	-1.207	-1.028	-.913
CENTROID X	-.119	-.213	-.123
CENTROID Y	-.020	.115	-.000
POA TO CENTROID in.	.121	.242	.123
MIN RADIUS	.328	.263	.344
MEAN RADIUS	.871	.777	.737
MAX RADIUS	1.476	1.356	1.219
HORIZONTAL SPREAD	1.854	1.854	1.741
VERTICAL SPREAD	2.260	1.946	1.937
EXTREME SPREAD	2.807	2.492	2.167
NUMBER IN ONE INCH CIRCLE =	4		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	10		

26 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8638191

CENTERFIRE PATTERNS

5

POA

1in circle

2in circle

3in circle

CENTROID #

OF SHOTS= 10

IN CIR

1in = 2

2in = 3

3in = 8

HS= 2.326

VS= 2.660

GS= 2.854

PATTERN #

5

SHOTS (BEST OF)

10

9

8

MAXIMUM X

1.050

1.157

1.265

MINIMUM X

-1.276

-1.169

-1.061

MAXIMUM Y

1.337

1.447

1.593

MINIMUM Y

-1.323

-1.175

-.994

CENTROID X

.366

.259

.151

CENTROID Y

.063

-.085

-.266

POA TO CENTROID in.

.372

.273

.306

MIN RADIUS

.084

.161

.067

MEAN RADIUS

1.140

1.053

.941

MAX RADIUS

1.649

1.686

1.619

HORIZONTAL SPREAD

2.326

2.326

2.326

VERTICAL SPREAD

2.660

2.622

2.587

EXTREME SPREAD

2.854

2.836

2.836

NUMBER IN ONE INCH CIRCLE =

2

NUMBER IN TWO INCH CIRCLE =

3

NUMBER IN THREE INCH CIRCLE =

8