

C6636085

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5715**

*Includes 1 in chamber.

Remington

M2400037563

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON




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

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

MODEL 700™ H24

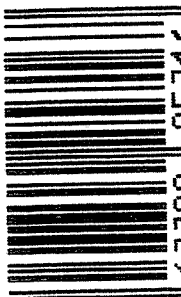
SERIAL NO.
C6636085

ORDER NO.
5716

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

20

UPC



0 47700 25716 7



5716 C6636085

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6636085

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		4/9/91	K.S.
600	Proof		4/9/91	K.S.
607	Check Headspace		4/9/91	K.S.
610	Dis-assemble Gun		4/9/91	K.S.
612	Magnaflux Barrel Action		4/10/91	K.R.
	Magnaflux Bolt		4/10/91	IC
615	Rollmark Caliber		4/10/91	JS.
617	Drill and Tap Sight Holes		APR 19 1991	K.B.
618	Polish Barrel		APR 19 1991	W.B.
620	Apply Coatings (Barrel Action)		5-10-91	TH
	Apply Coating (Bolt)		5-10-91	TH
625	Final Assembly A) Clean inside of Bolt Assembly		5-22-91	K.S.
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5-22-91	K.S.
	C) Inspect Ejector Hole for Chamfer		5-22-91	K.S.
	D) Oil Firing Pin Ass'y		5-22-91	K.S.
	E) Adjust Trigger Pull to Min Setting and Stake		5/23/91	JS.

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	6			5-23-91	D/H
	G) Safety Off Force	3	3	3			5-23-91	D/H
	H) Trigger Pull Test & Retainability						5/23/91	SM
	I) Firing Pin Indent	.022	.020	.022			5-23-91	D/H
	J) Assemble Stock						5/23/91	KS
	K) Assemble Swivel Studs						6-1-91	D/H
	L) Attach Front and Rear Sight Assemblies						5/23/91	KS
	M) Iron Sight Alignment						5/23/91	KS
	N) Detach Front & Rear Sights & place in numbered container						5/23/91	KS
	O) Attach Scope to Rifle						5/23/91	KS
	P) Detach & Attach Scope 20 Times						5/23/91	KS
640	Gallery Target & Test						5-24-91	NF
	A) Time						"	NF
	B) Malfunctions						"	NF
	C) Pierced Primers						"	NF
	D) Optical Clarity of Scope						"	NF
645	Inspect for Live Ammo						5-24-91	NF
655	Final Inspection							
	A) Headspace						6-1-91	D/H
	B) Trigger Pull	2.77	2.74	2.78	2.70	2.70	6/1/91	SM
	C) Function						6-1-91	D/H
660	Pack						6-20-91	NF

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6636085DATE 5-23-91TESTER JEL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.58	2.48	2.51	2.77	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.54	2.47	2.53	2.74	
PULL #3	2.40	2.47	2.48	2.78	
PULL #4	2.33	2.57	2.56	2.70	
PULL #5	2.48	2.65	2.54	2.70	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.43	3.57		
PULL #2	3.56	3.20		
PULL #3	3.46	3.41		
PULL #4	3.39	3.36		
PULL #5	3.37	3.56		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.43	4.50		4.40
PULL #2	4.48	4.32		4.58
PULL #3	4.45	4.56		4.52
PULL #4	4.51	4.36		4.42
PULL #5	4.55	4.60		4.32
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6636085
24 May 1991

CENTROIDAL DISTANCES

0 TO	1	.214009
1 TO	2	.181731
1 TO	3	.146294
1 TO	4	.12184
1 TO	5	.19151

45 <----POA

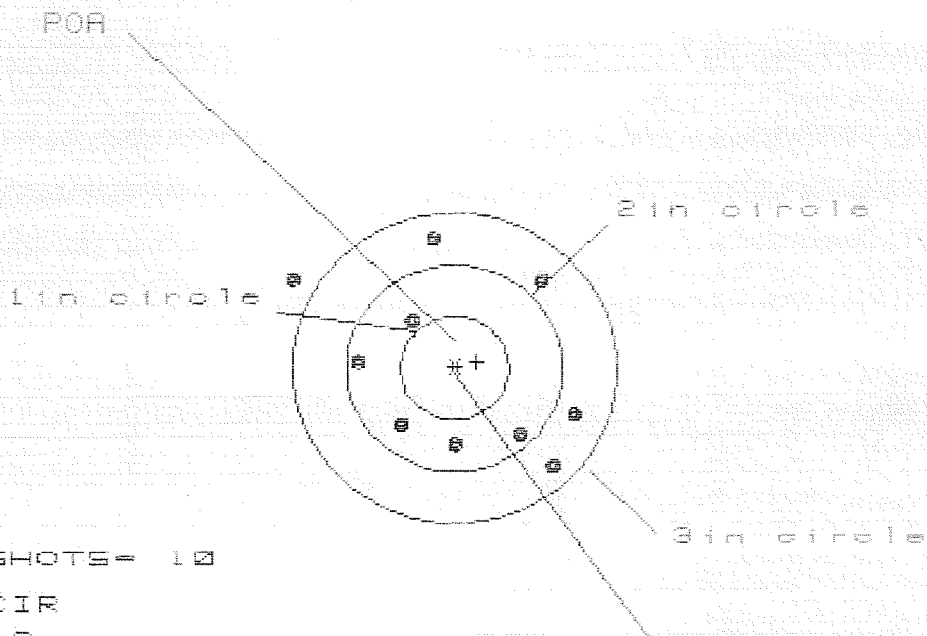
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.18
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0126
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .18844

THE AMR FOR THIS RIFLE IS: 1.102

24 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8636085

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1in = 0

2in = 5

3in = 9

HS= 2.581

VS= 2.217

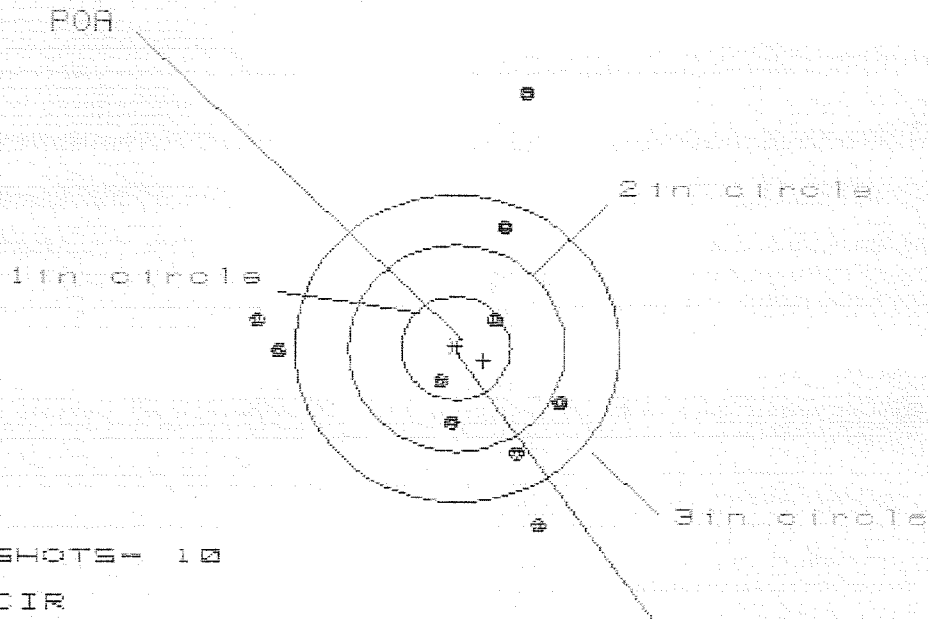
GS= 2.981

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.107	.943	1.033
MINIMUM X	-1.474	-1.040	-.950
MAXIMUM Y	1.228	1.321	1.209
MINIMUM Y	-.989	-.896	-.730
CENTROID X	-.206	-.042	-.132
CENTROID Y	-.058	-.151	-.039
POA TO CENTROID in.	.214	.157	.138
MIN RADIUS	.544	.645	.582
MEAN RADIUS	1.049	.967	.939
MAX RADIUS	1.696	1.375	1.244
HORIZONTAL SPREAD	2.581	1.983	1.983
VERTICAL SPREAD	2.217	2.217	1.939
EXTREME SPREAD	2.981	2.474	2.178
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	9		

24 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6636085

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 3

3 in = 6

HS= 2.773

VS= 4.168

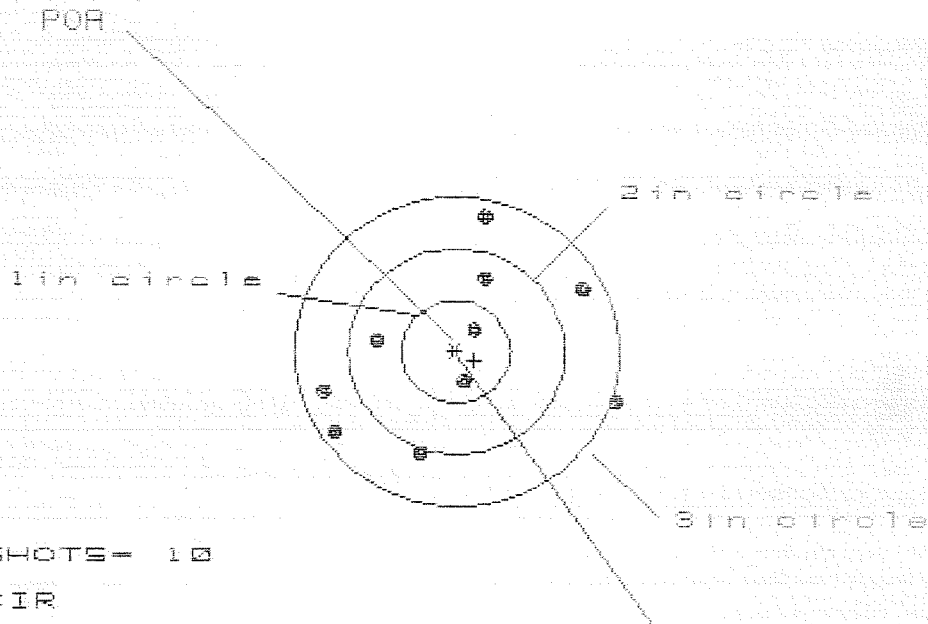
GS= 4.171

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.987	.977	.752
MINIMUM X	:	-1.866	-1.796	-1.885
MAXIMUM Y	:	2.458	1.476	1.548
MINIMUM Y	:	-1.710	-1.437	-1.365
CENTROID X	:	-.255	-.325	-.100
CENTROID Y	:	.117	-.156	-.227
POA TO CENTROID in.	:	.281	.360	.249
MIN RADIUS	:	.344	.124	.354
MEAN RADIUS	:	1.301	1.112	.990
MAX RADIUS	:	2.536	1.885	1.835
HORIZONTAL SPREAD	:	2.773	2.773	2.558
VERTICAL SPREAD	:	4.168	2.913	2.913
EXTREME SPREAD	:	4.171	3.316	2.955
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		6	

24 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C86360B5

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 4

3 in = 9

HS= 2.666

VS= 2.348

GS= 2.668

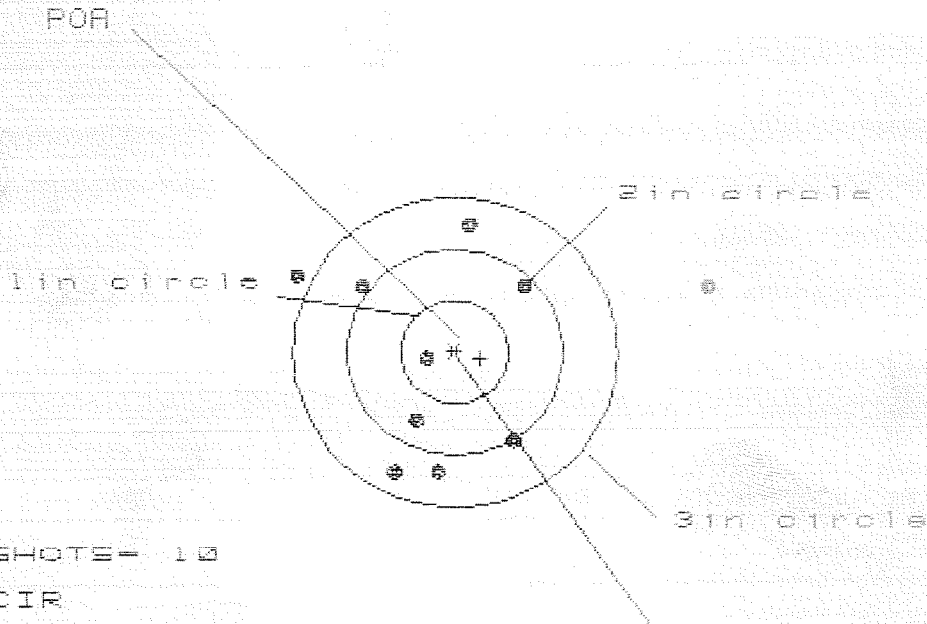
CENTROID *

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.430	1.285	1.338
MINIMUM X	:	-1.236	-1.077	-1.024
MAXIMUM Y	:	1.332	1.274	.860
MINIMUM Y	:	-1.016	-1.074	-.915
CENTROID X	:	-.167	-.326	-.379
CENTROID Y	:	.083	.141	-.018
POA TO CENTROID in.	:	.187	.355	.380
MIN RADIUS	:	.259	.373	.322
MEAN RADIUS	:	.994	.935	.873
MAX RADIUS	:	1.522	1.399	1.516
HORIZONTAL SPREAD	:	2.666	2.362	2.362
VERTICAL SPREAD	:	2.348	2.348	1.775
EXTREME SPREAD	:	2.668	2.617	2.617
NUMBER IN ONE INCH CIRCLE =			2	
NUMBER IN TWO INCH CIRCLE =			4	
NUMBER IN THREE INCH CIRCLE =			9	

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FILE:/PATTERNING/CENTERFIRE_PATT/C8536085

CENTERFIRE PATTERNS # 4



OF SHOTS= 10
IN CIR
1 in = 1
2 in = 3
3 in = 8
HS= 3.801
VS= 2.383
QS= 3.802

CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	2.330	.872	.726
MINIMUM X	:	-1.471	-1.212	-1.726
MAXIMUM Y	:	1.214	1.284	1.384
MINIMUM Y	:	-1.169	-1.099	-1.999
CENTROID X	:	-.240	-.499	-.347
CENTROID Y	:	.059	-.011	-.111
POA TO CENTROID in.	:	.247	.499	.365
MIN RADIUS	:	.268	.021	.197
MEAN RADIUS	:	1.179	.985	.929
MAX RADIUS	:	2.414	1.451	1.407
HORIZONTAL SPREAD	:	3.801	2.084	1.446
VERTICAL SPREAD	:	2.383	2.383	2.383
EXTREME SPREAD	:	3.802	2.627	2.472
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		8	

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FILE:/PATTERNING/CENTERFIRE_PATT/C6636005

CENTERFIRE PATTERNS # 5

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS = 10

IN CIR

1in = 3

2in = 5

3in = 8

HS = 2.436

VS = 2.918

GS = 2.918

PATTERN #

5

SHOTS (BEST OF)

10

9

8

MAXIMUM X

1.064

1.040

1.071

MINIMUM X

-1.372

-1.254

-1.223

MAXIMUM Y

1.539

1.413

1.042

MINIMUM Y

-1.379

-1.505

-1.329

CENTROID X

-.032

-.150

-.181

CENTROID Y

-.138

-.012

-.188

POA TO CENTROID in.

.142

.150

.261

MIN RADIUS

.227

.303

.126

MEAN RADIUS

.985

.920

.835

MAX RADIUS

1.558

1.524

1.355

HORIZONTAL SPREAD

2.436

2.294

2.294

VERTICAL SPREAD

2.918

2.918

2.171

EXTREME SPREAD

2.918

2.918

2.396

NUMBER IN ONE INCH CIRCLE =

3

NUMBER IN TWO INCH CIRCLE =

5

NUMBER IN THREE INCH CIRCLE =

8