

C6636029

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

* Includes 1 in chamber.

Remington

M2400036902

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

Remington
 MODEL 700™ H24

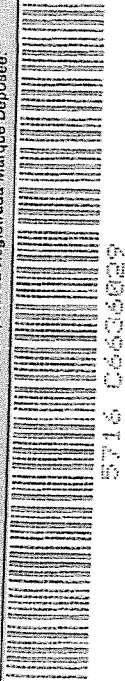
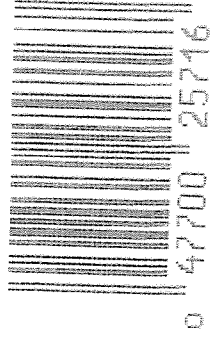
VERY IMPORTANT:
 Instruction Book
 enclosed to assure
 safe use of this
 firearm.

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

SERIAL NO.
 C6636029

ORDER NO.
 5716

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



CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6636029

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		4/23/91	K.S.
600	Proof		4/23/91	K.S.
607	Check Headspace		4/23/91	K.S.
610	Dis-assemble Gun		4/23/91	K.S.
612	Magnaflux Barrel Action	5 8 9 1		KCR
	Magnaflux Bolt	5 8 9 1		KCR
615	Rollmark Caliber			GL
617	Drill and Tap Sight Holes	5 15 9 1		LB
618	Polish Barrel	5 15 9 1		W.B.
620	Apply Coatings (Barrel Action)		5-31-91	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		7/15/91	KA
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		7/15/91	KA
	C) Inspect Ejector Hole for Chamfer		7/15/91	KA
	D) Oil Firing Pin Ass'y		7/15/91	KA
	E) Adjust Trigger Pull to Min Setting and Stake		7/16/91	CB

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	7	7 1/2	7 1/2			7/16/91	W/B
	G) Safety Off Force	3 1/2	3 1/2	3 1/2			7/16/91	W/B
	H) Trigger Pull Test & Retainability						7-16-91	SL
	I) Firing Pin Indent	.024	.023	.023			7/16/91	W/B
	J) Assemble Stock						7/16/91	KS
	K) Assemble Swivel Studs						7-23-91	D/H
	L) Attach Front and Rear Sight Assemblies						7/16/91	KS
	M) Iron Sight Alignment						7/16/91	KS
	N) Detach Front & Rear Sights & place in numbered container						7/16/91	KS
	O) Attach Scope to Rifle						7/16/91	KS
	P) Detach & Attach Scope 20 Times						7/16/91	KS
640	Gallery Target & Test						7-17-91	AC
	A) Time						7-17-91	AC
	B) Malfunctions						7-17-91	AC
	C) Pierced Primers						7-17-91	AC
	D) Optical Clarity of Scope						7-17-91	AC
645	Inspect for Live Ammo						7-17-91	AC
655	Final Inspection						7-23-91	D/H
	A) Headspace							
	B) Trigger Pull	2.39	2.45	2.62	2.56	2.56	7-22-91	SL
	C) Function						7-23-91	D/H
660	Pack						9-18-91	RF

SWS TRIGGER PULL TEST

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

SERIAL NO. C-6636029

DATE 7-16-91

TESTER JU

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.30	2.49	2.51	2.39	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.45	2.49	2.50	2.45	
PULL #3	2.46	2.50	2.48	2.52	
PULL #4	2.48	2.50	2.50	2.56	
PULL #5	2.48	2.48	2.50	2.56	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.35	3.35		
PULL #2	3.29	3.33		
PULL #3	3.34	3.25		
PULL #4	3.33	3.29		
PULL #5	3.32	3.31		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.57	4.34		4.36
PULL #2	4.59	4.35		4.17
PULL #3	4.59	4.34		4.15
PULL #4	4.60	4.36		4.36
PULL #5	4.60	4.38		4.34
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6636029
17 Jul 1991

CENTROIDAL DISTANCES

0 TO	1	.561263
1 TO	2	1.23679
1 TO	3	.239771
1 TO	4	.336251
1 TO	5	.59854

$\bar{x}_{45}^2$ <----POA

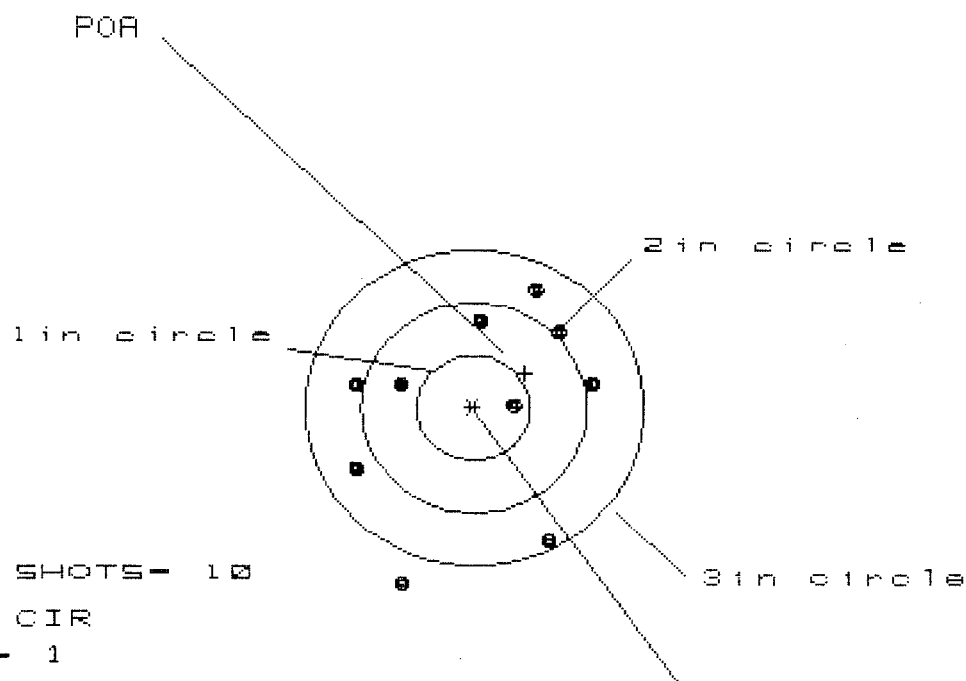
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: $-.045$
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: $-.1306$
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: $.138135$
THE AMR FOR THIS RIFLE IS: 1.151

17 Jul 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8636029

CENTERFIRE PATTERNS

1



OF SHOTS- 10

IN CIR

1 in - 1

2 in - 3

3 in - 9

HS- 2.052

VS- 2.793

GS- 3.059

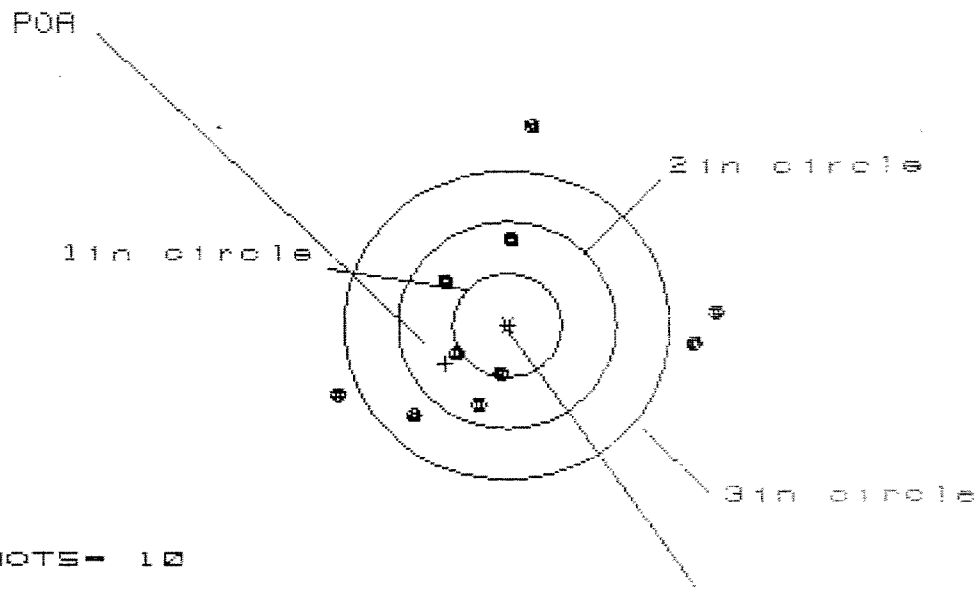
CENTROID *

PATTERN #	:	1	2	3
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.010	.935	1.006
MINIMUM X	:	-1.042	-1.117	-1.046
MAXIMUM Y	:	1.152	.969	.791
MINIMUM Y	:	-1.641	-1.424	-.936
CENTROID X	:	-.454	-.379	-.450
CENTROID Y	:	-.330	-.147	.031
POA TO CENTROID in.	:	.561	.407	.451
MIN RADIUS	:	.372	.335	.496
MEAN RADIUS	:	1.070	.957	.866
MAX RADIUS	:	1.773	1.533	1.403
HORIZONTAL SPREAD	:	2.052	2.052	2.052
VERTICAL SPREAD	:	2.793	2.393	1.727
EXTREME SPREAD	:	3.059	2.394	2.367
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	3		
NUMBER IN THREE INCH CIRCLE	=	9		

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CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 1

2in = 5

3in = 6

HS= 3.511

VS= 2.733

GS= 3.597

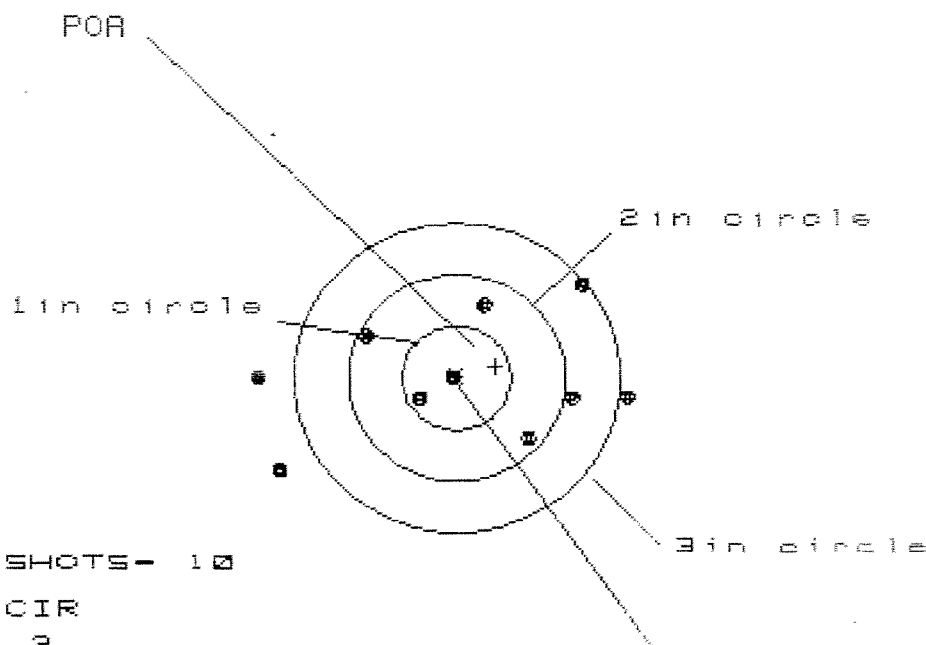
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	2
MAXIMUM X	:	1.920	1.901	1.954
MINIMUM X	:	-1.591	-1.377	-1.324
MAXIMUM Y	:	1.903	1.916	1.056
MINIMUM Y	:	-0.830	-0.817	-0.578
CENTROID X	:	.567	.353	.300
CENTROID Y	:	.368	.356	.117
POA TO CENTROID in.	:	.676	.502	.322
MIN RADIUS	:	.465	.397	.215
MEAN RADIUS	:	1.185	1.056	.879
MAX RADIUS	:	1.924	1.963	1.955
HORIZONTAL SPREAD	:	3.511	3.278	3.278
VERTICAL SPREAD	:	2.733	2.733	1.634
EXTREME SPREAD	:	3.597	3.311	2.311
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		6	

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CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in - 2

2in - 5

3in = 7

HS= 3.422

VS= 1.765

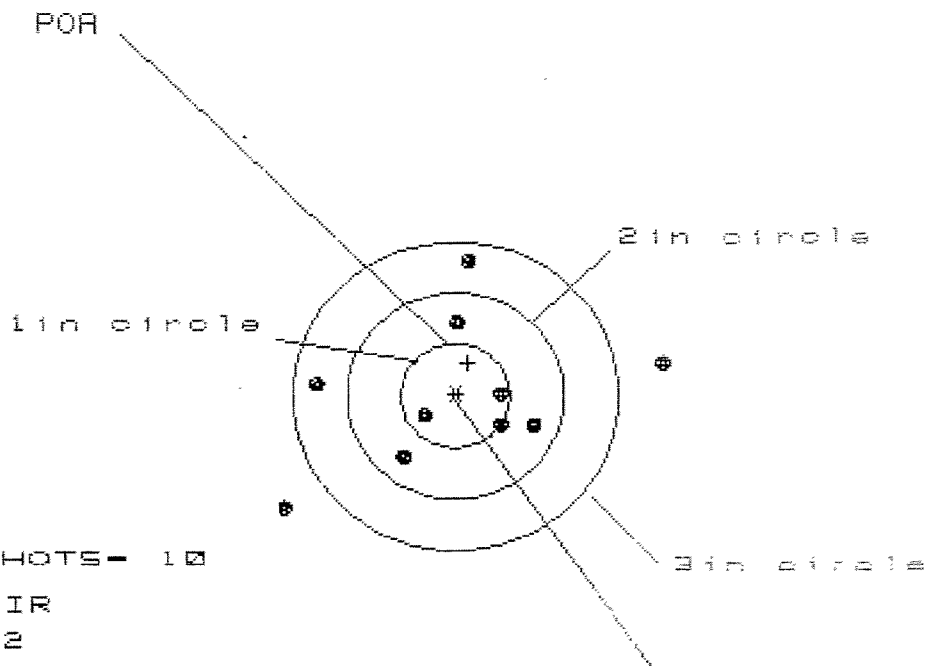
GS= 3.429

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.559	1.352	1.125
MINIMUM X	:	-1.863	-1.817	-1.321
MAXIMUM Y	:	.872	.877	.766
MINIMUM Y	:	-.893	-.888	-.712
CENTROID X	:	-.361	-.154	.073
CENTROID Y	:	-.109	-.114	-.003
POA TO CENTROID in.	:	.377	.192	.073
MIN RADIUS	:	.081	.273	.496
MEAN RADIUS	:	1.080	.994	.857
MAX RADIUS	:	1.863	2.022	1.245
HORIZONTAL SPREAD	:	3.422	3.169	2.446
VERTICAL SPREAD	:	1.765	1.765	1.478
EXTREME SPREAD	:	3.429	3.296	2.563
NUMBER IN ONE INCH CIRCLE =			2	
NUMBER IN TWO INCH CIRCLE =			5	
NUMBER IN THREE INCH CIRCLE =			7	

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CENTERFIRE PATTERNS # 4



OF SHOTS - 10

IN CIR

1in - 2

2in - 6

3in - 8

HS - 3.543

VS - 2.445

GS - 3.824

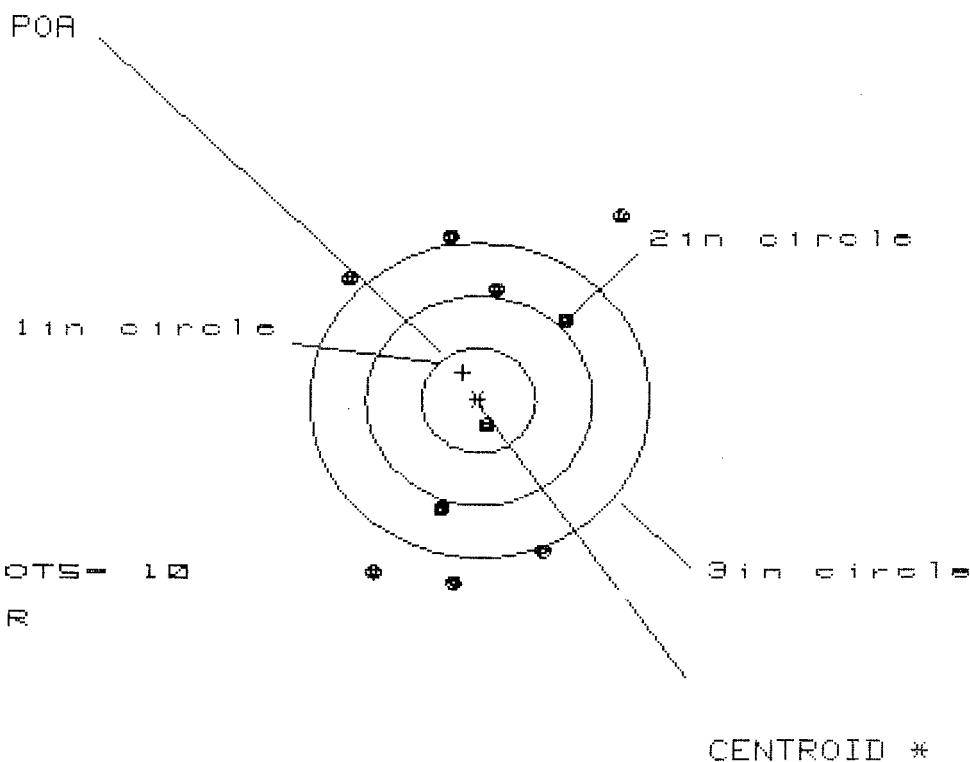
CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.938	.966	.792
MINIMUM X	:	-1.605	-1.390	-1.227
MAXIMUM Y	:	1.330	1.366	1.232
MINIMUM Y	:	-1.115	-1.079	-1.702
CENTROID X	:	-.118	-.333	-.159
CENTROID Y	:	-.317	-.353	-.219
POR TO CENTROID in.	:	.338	.486	.270
MIN RADIUS	:	.355	.187	.393
MEAN RADIUS	:	1.015	.910	.769
MAX RADIUS	:	1.965	1.759	1.246
HORIZONTAL SPREAD	:	3.543	2.356	2.019
VERTICAL SPREAD	:	2.445	2.445	1.933
EXTREME SPREAD	:	3.824	3.007	2.046
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		8	

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CENTERFIRE PATTERNS # 5



OF SHOTS - 10

IN CIR

1in = 1

2in = 1

3in = 4

HS = 2.417

VS = 3.546

GS = 4.117

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.308	.907	.810
MINIMUM X	:	-1.109	-.964	-1.061
MAXIMUM Y	:	1.784	1.732	1.547
MINIMUM Y	:	-1.762	-1.564	-1.749
CENTROID X	:	.141	-.004	.093
CENTROID Y	:	-.265	-.463	-.278
POA TO CENTROID in.	:	.300	.463	.293
MIN RADIUS	:	.244	.161	.238
MEAN RADIUS	:	1.407	1.298	1.244
MAX RADIUS	:	2.212	1.738	1.755
HORIZONTAL SPREAD	:	2.417	1.871	1.871
VERTICAL SPREAD	:	3.546	3.296	3.296
EXTREME SPREAD	:	4.117	3.297	3.297
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		1	
NUMBER IN THREE INCH CIRCLE	=		4	