

C6611772

MODEL 700TM M24

Model **SMS**TM

Action

Barrel Length

Capacity

Order No. **5715**

*Includes 1 in chamber.

Remington




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

MODEL 700™ H24	SERIAL NO. C6611772
	ORDER NO. 5716

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

20



CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

M2400035722

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6611772

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		1/24/91	KS
600	Proof		1/24/91	KS
607	Check Headspace		1/24/91	KS
610	Dis-assemble Gun		1/24/91	KS
612	Magnaflux Barrel Action		1/29/91	KR
	Magnaflux Bolt		"	KR
615	Rollmark Caliber		"	LS.
617	Drill and Tap Sight Holes	2 2 9 1		LS
618	Polish Barrel <i>RBB</i>	2 2 9 1		WB
620	Apply Coatings (Barrel Action)		2-11-91	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		2/18/91	JA
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		2/18/91	JA
	C) Inspect Ejector Hole for Chamfer		2/18/91	JA
	D) Oil Firing Pin Ass'y		2/18/91	JA
	E) Adjust Trigger Pull to Min Setting and Stake		2/19/91	JA

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4/4	4/4	4/4			2/19/91	WB
	G) Safety Off Force	2/2	2/2	2/2			2/19/91	WB
	H) Trigger Pull Test & Retainability						2/19/91	KL
	I) Firing Pin Indent	.0715	.023	.0225			2/19/91	WB
	J) Assemble Stock						2/19/91	KL
	K) Assemble Swivel Studs						2-22-91	A
	L) Attach Front and Rear Sight Assemblies						2/19/91	KL
	M) Iron Sight Alignment						2/19/91	KL
	N) Detach Front & Rear Sights & place in numbered container						2/19/91	KL
	O) Attach Scope to Rifle						2/19/91	KL
	P) Detach & Attach Scope 20 Times						2/19/91	KL
640	Gallery Target & Test						2/20/91	KL
	A) Time							12
	B) Malfunctions							12
	C) Pierced Primers							12
	D) Optical Clarity of Scope							12
645	Inspect for Live Ammo						2/20/91	12
655	Final Inspection						2-22-91	A
	A) Headspace							
	B) Trigger Pull	2.62	2.58	2.59	2.66	2.57	2/21/91	KL
	C) Function						2-22-91	AC
660	Pack						3-19-91	AF

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6611772

DATE 2/19/91

TESTER JR

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.46	2.35	2.30	2.62	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.49	2.34	2.32	2.58	
PULL #3	2.49	2.35	2.40	2.59	
PULL #4	2.40	2.32	2.35	2.56	
PULL #5	2.48	2.35	2.35	2.57	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.38	3.26		
PULL #2	3.41	3.38		
PULL #3	3.34	3.42		
PULL #4	3.32	3.40		
PULL #5	3.35	3.11		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.32	4.31		4.29
PULL #2	4.28	4.22		4.35
PULL #3	4.29	4.29		4.32
PULL #4	4.28	4.29		4.35
PULL #5	4.22	4.26		4.36
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6611772
21 Feb 1991

CENTROIDAL DISTANCES

0 TO	1	.226013
1 TO	2	.211009
1 TO	3	.254018
1 TO	4	.346699
1 TO	5	.354158

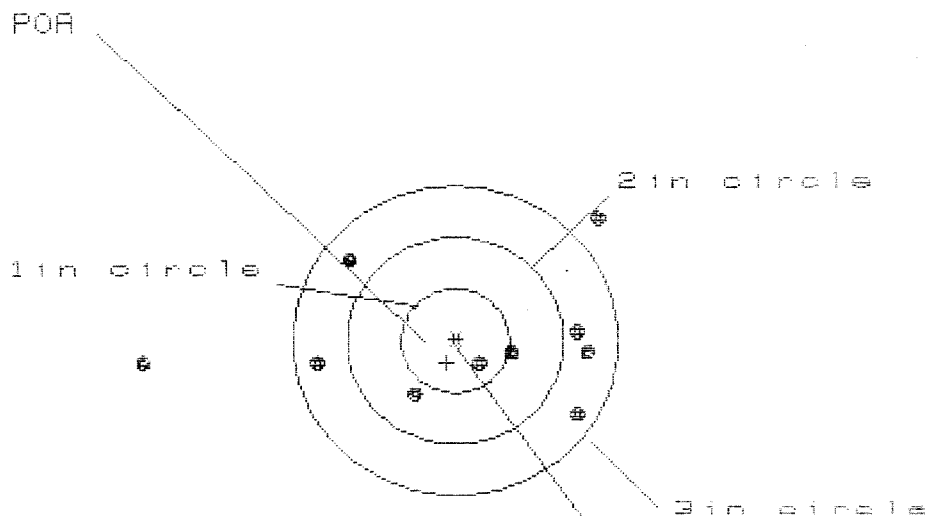
 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .063
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1274
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .142126
THE AMR FOR THIS RIFLE IS: 1.136

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FILE:/PATTERNING/CENTERFIRE_PATT/08611772

CENTERFIRE PATTERNS # 1



OF SHOTS - 10

IN CIR

1in = 1

2in = 3

3in = 8

HS = 4.147

VS = 1.847

GS = 4.369

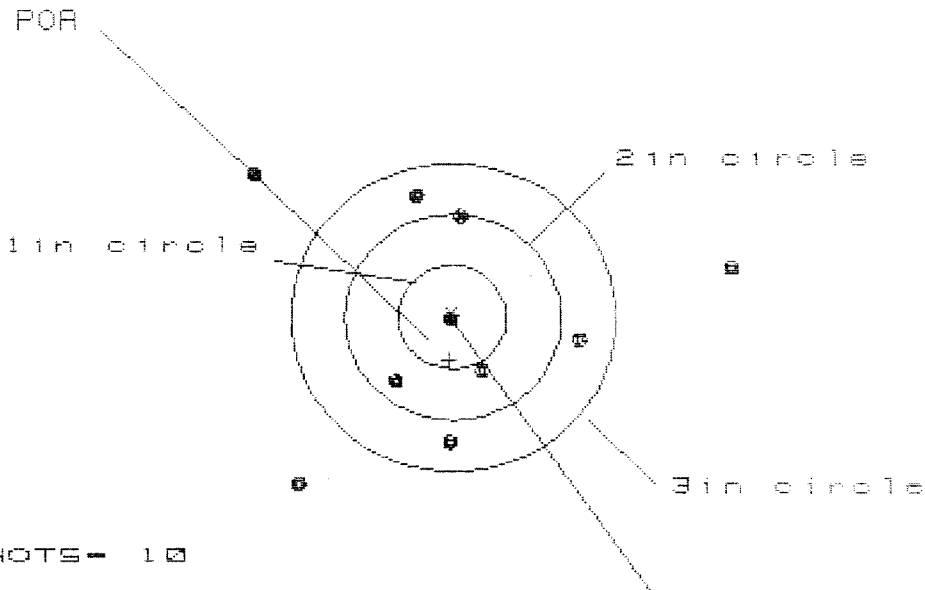
CENTROID #

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.306	.990	1.024
MINIMUM X	:	-2.841	-1.645	-1.521
MAXIMUM Y	:	1.151	1.126	.936
MINIMUM Y	:	-.696	-.721	-.580
CENTROID X	:	.081	.397	.273
CENTROID Y	:	.211	.236	.095
POA TO CENTROID in.	:	.226	.462	.289
MIN RADIUS	:	.321	.228	.105
MEAN RADIUS	:	1.238	.984	.906
MAX RADIUS	:	2.850	1.660	1.523
HORIZONTAL SPREAD	:	4.147	2.635	2.545
VERTICAL SPREAD	:	1.847	1.847	1.516
EXTREME SPREAD	:	4.369	2.960	2.610
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		8	

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CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 1

2in = 4

3in = 7

HS= 4.326

VS= 2.929

GS= 4.510

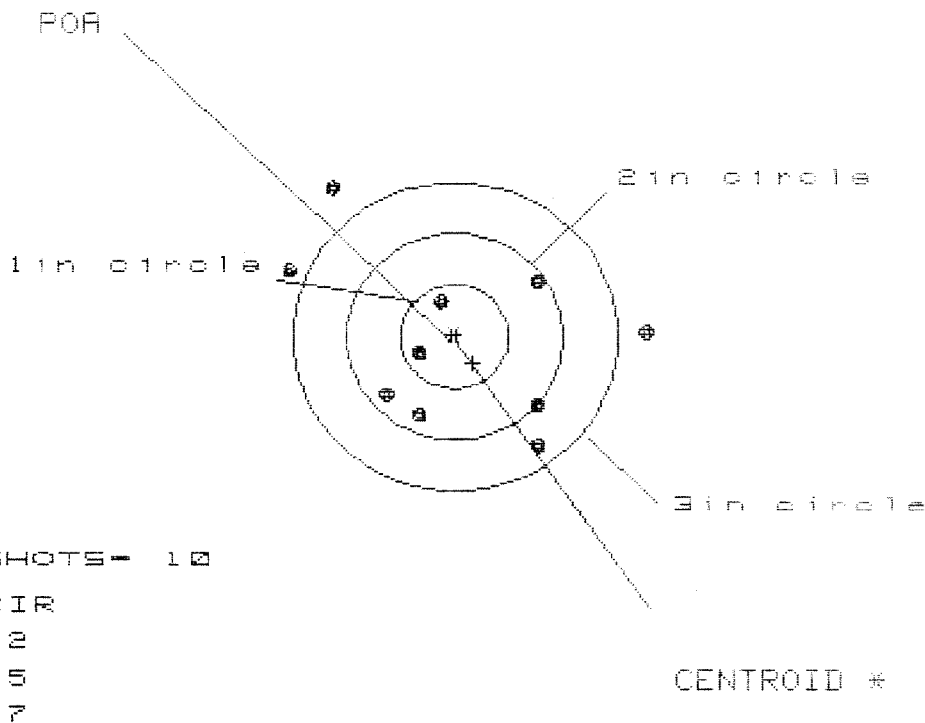
CENTROID *

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	2.533	1.415	1.226
MINIMUM X	:	-1.793	-1.511	-1.364
MAXIMUM Y	:	1.358	1.417	1.454
MINIMUM Y	:	-1.571	-1.512	-1.335
CENTROID X	:	.031	-.251	-.062
CENTROID Y	:	.416	.357	.179
POR TO CENTROID in.	:	.417	.436	.190
MIN RADIUS	:	.057	.290	.206
MEAN RADIUS	:	1.297	1.172	1.002
MAX RADIUS	:	2.589	2.072	1.908
HORIZONTAL SPREAD	:	4.326	2.926	2.590
VERTICAL SPREAD	:	2.929	2.929	2.788
EXTREME SPREAD	:	4.510	3.310	3.003
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		7	

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CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 5

3 in = 7

HS= 3.297

VS= 2.476

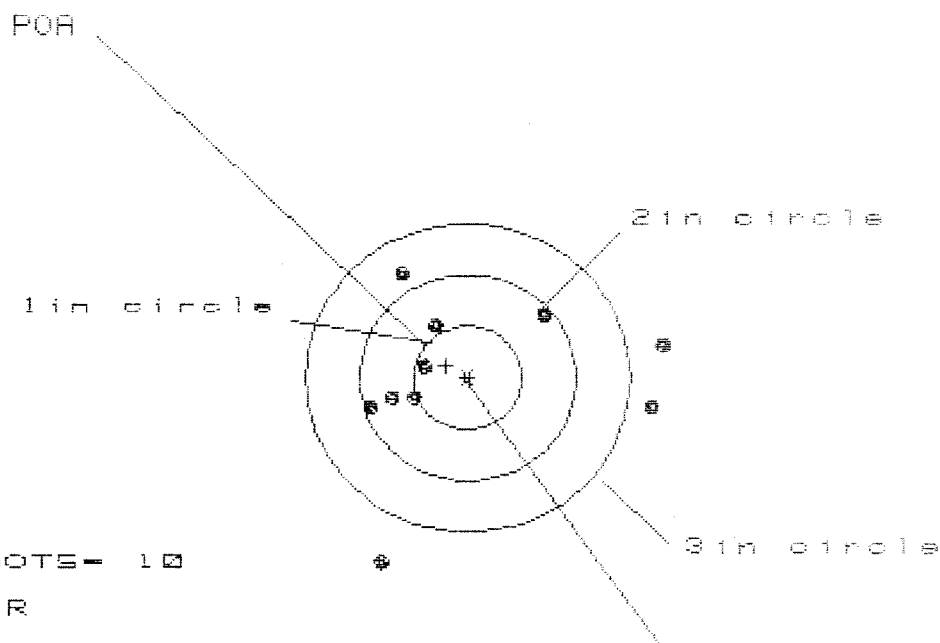
GS= 3.339

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.729	1.606	.840
MINIMUM X	:	-1.568	-1.691	-1.490
MAXIMUM Y	:	1.423	.782	.813
MINIMUM Y	:	-1.053	-.895	-.864
CENTROID X	:	-.169	-.046	-.247
CENTROID Y	:	.256	.098	.067
POA TO CENTROID in.	:	.307	.108	.256
MIN RADIUS	:	.307	.410	.220
MEAN RADIUS	:	1.081	.992	.877
MAX RADIUS	:	1.803	1.863	1.698
HORIZONTAL SPREAD	:	3.297	3.297	2.330
VERTICAL SPREAD	:	2.476	1.677	1.677
EXTREME SPREAD	:	3.339	3.339	2.871
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

1 in = 1

2 in = 5

3 in = 7

HS= 2.699

VS= 2.820

GS= 3.318

CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.758	1.674	1.827
MINIMUM X	:	-.941	-1.025	-.816
MAXIMUM Y	:	1.006	.905	.824
MINIMUM Y	:	-1.814	-.479	-.460
CENTROID X	:	.199	.283	.073
CENTROID Y	:	-.115	.086	.067
POA TO CENTROID in.	:	.230	.296	.100
MIN RADIUS	:	.433	.472	.277
MEAN RADIUS	:	1.085	.981	.818
MAX RADIUS	:	1.964	1.681	1.879
HORIZONTAL SPREAD	:	2.699	2.699	2.642
VERTICAL SPREAD	:	2.820	1.284	1.284
EXTREME SPREAD	:	3.318	2.772	2.642
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	

NUMBER IN THREE INCH CIRCLE =

7

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CENTERFIRE PATTERNS

5

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= 2.446

VS= 2.795

GS= 2.834

CENTROID #

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.977	.978	.795
MINIMUM X	-1.469	-1.468	-1.364
MAXIMUM Y	1.537	.853	.825
MINIMUM Y	-1.258	-1.088	-1.116
CENTROID X	.173	.172	.355
CENTROID Y	-.131	-.301	-.273
POA TO CENTROID in.	.217	.347	.448
MIN RADIUS	.221	.379	.342
MEAN RADIUS	.986	.933	.818
MAX RADIUS	1.537	1.485	1.364
HORIZONTAL SPREAD	2.446	2.446	2.159
VERTICAL SPREAD	2.795	1.941	1.941
EXTREME SPREAD	2.834	2.446	2.181
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	8		