

C6636222

MODEL 700TM M24

Model **SMS** TM

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.
C6636222

ORDER NO.
5716

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

20



5716 C6636222

UPC



0 47700 25716 7

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

M2400031932

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6636222

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		5/3/91	KS
600	Proof		5/3/91	KS
607	Check Headspace		5/3/91	KS
610	Dis-assemble Gun		5/3/91	KS
612	Magnaflux Barrel Action	5 6 9 1		KCD
	Magnaflux Bolt	5 6 9 1		KCD
615	Rollmark Caliber	5 6 9 1		GL
617	Drill and Tap Sight Holes	5 15 9 1		LB
618	Polish Barrel	5 15 9 1		WB
620	Apply Coatings (Barrel Action)		5-29-91	
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		4/4/91	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		4/4/91	KS
	C) Inspect Ejector Hole for Chamfer		4/4/91	KS
	D) Oil Firing Pin Ass'y		4/4/91	KS
	E) Adjust Trigger Pull to Min Setting and Stake		6/6/91	WB

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6 1/2	6 1/2	6 1/2			6/6/91	WB
	G) Safety Off Force	7 1/2	7 1/2	7 1/2			6/6/91	WB
	H) Trigger Pull Test & Retainability						6/6/91	WB
	I) Firing Pin Indent	.0205	.020	.020			6/6/91	WB
	J) Assemble Stock						4/4/91	KS
	K) Assemble Swivel Studs						6-8-91	D/H
	L) Attach Front and Rear Sight Assemblies						4/4/91	KS
	M) Iron Sight Alignment						4/4/91	KS
	N) Detach Front & Rear Sights & place in numbered container						4/4/91	KS
	O) Attach Scope to Rifle						4/4/91	KS
	P) Detach & Attach Scope 20 Times						4/4/91	KS
640	Gallery Target & Test						6/7/91	KT
	A) Time						"	KT
	B) Malfunctions						"	KT
	C) Pierced Primers						"	KT
	D) Optical Clarity of Scope						"	KT
645	Inspect for Live Ammo						6/7/91	KT
655	Final Inspection							
	A) Headspace						6-8-91	D/H
	B) Trigger Pull	2.24	2.40	2.27	2.38	2.36	6-8-91	KS
	C) Function						6-8-91	D/H
660	Pack						6-20-91	KS

SWS TRIGGER PULL TEST

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

SERIAL NO. C6636222
DATE 6/6/91
TESTER WB

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.49	2.48	2.43	2.24	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.43	2.50	2.29	2.40	
PULL #3	2.52	2.60	2.34	2.27	
PULL #4	2.52	2.49	2.29	2.38	
PULL #5	2.55	2.63	2.33	2.36	
TOTAL	12.51	12.70	11.68		
AVG.	2.50	2.54	2.34		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.76	3.30		
PULL #2	2.95	3.11		
PULL #3	3.18	3.41		
PULL #4	3.19	3.31		
PULL #5	3.11	3.05		
TOTAL	15.59	16.18		
AVG.	3.72	3.23		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.30	4.29		3.98
PULL #2	4.34	4.30		3.80
PULL #3	4.36	4.37		3.93
PULL #4	4.33	4.19		3.92
PULL #5	4.33	4.40		3.98
TOTAL	21.66	21.53		19.61
AVG.	4.33	4.31		3.92

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6636222
7 Jun 1991

CENTROIDAL DISTANCES

0 TO	1	.0693542
1 TO	2	.297545
1 TO	3	.137594
1 TO	4	.094578
1 TO	5	.147462

Fig <----POA

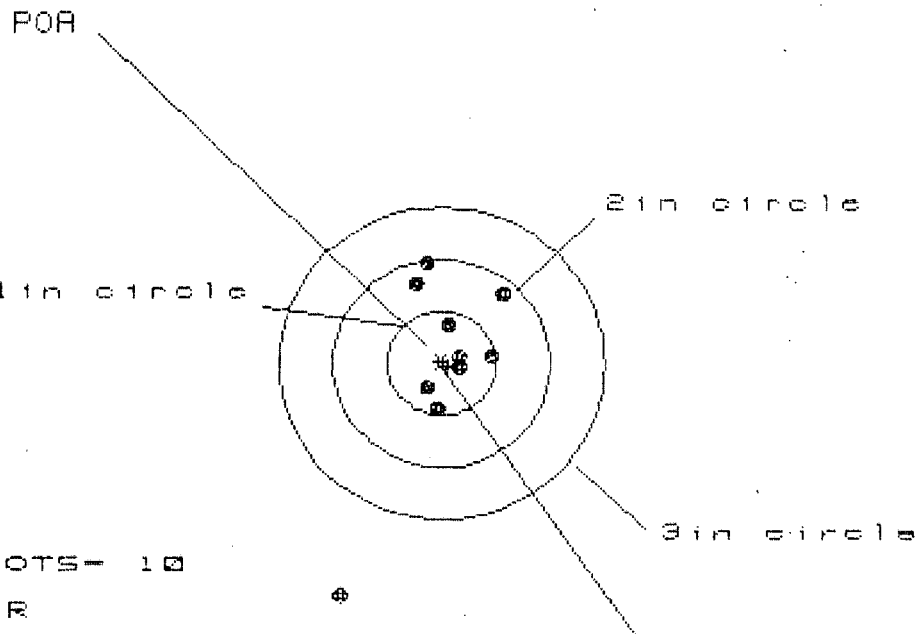
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0392
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0346
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0522858

THE AMR FOR THIS RIFLE IS: .86

7 Jun 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06636222

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 5

2in = 8

3in = 9

HS= 1.502

VS= 3.227

GS= 3.313

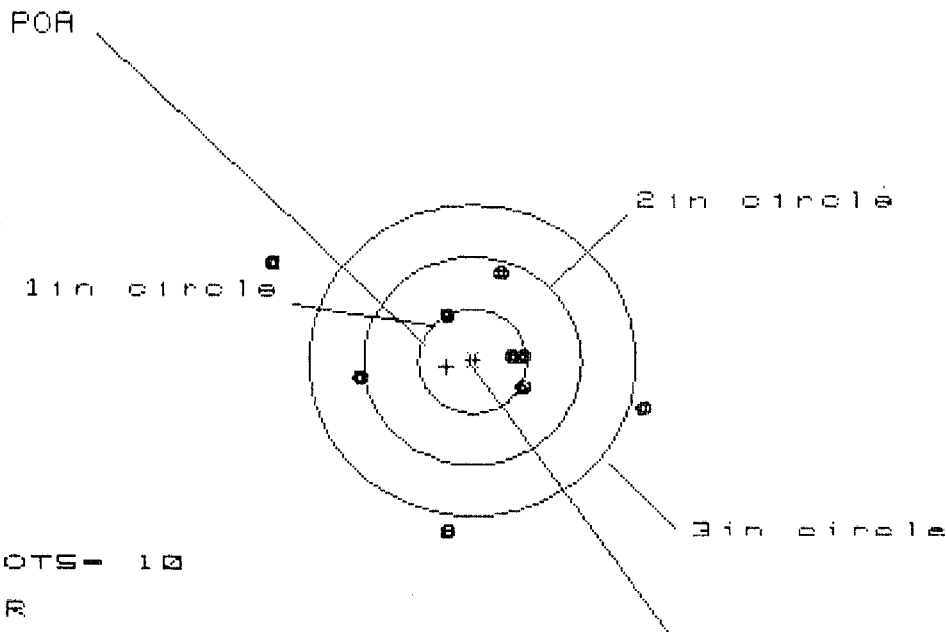
CENTROID #

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.602	.502	.471
MINIMUM X	:	-.900	-.357	-.389
MAXIMUM Y	:	1.008	.761	.612
MINIMUM Y	:	-2.219	-.630	-.534
CENTROID X	:	-.061	.039	.071
CENTROID Y	:	.033	.280	.184
POA TO CENTROID in.	:	.069	.282	.197
MIN RADIUS	:	.141	.079	.084
MEAN RADIUS	:	.687	.472	.409
MAX RADIUS	:	2.395	.801	.725
HORIZONTAL SPREAD	:	1.502	.859	.859
VERTICAL SPREAD	:	3.227	1.391	1.146
EXTREME SPREAD	:	3.313	1.394	1.235
NUMBER IN ONE INCH CIRCLE	=		5	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		9	

7 Jun 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06636222

CENTERFIRE PATTERNS # 2



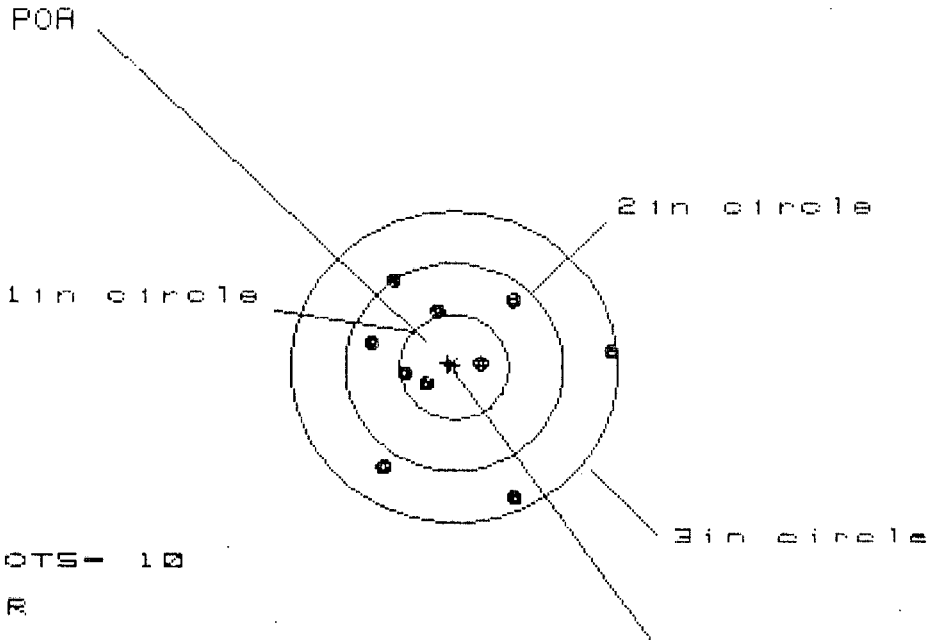
HS= 3.383
VS= 2.575
GS= 3.672

PATTERN #	2
SHOTS (BEST OF)	10
MAXIMUM X	1.544
MINIMUM X	-1.839
MAXIMUM Y	.936
MINIMUM Y	-1.639
CENTROID X	.236
CENTROID Y	.051
POA TO CENTROID in.	.242
MIN RADIUS	.334
MEAN RADIUS	.952
MAX RADIUS	2.063
HORIZONTAL SPREAD	3.383
VERTICAL SPREAD	2.575
EXTREME SPREAD	3.672
NUMBER IN ONE INCH CIRCLE =	3
NUMBER IN TWO INCH CIRCLE =	6
NUMBER IN THREE INCH CIRCLE =	7

7 Jun 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6636222

CENTERFIRE PATTERNS # 3



OF SHOTS - 10

IN CIR

1 in = 3

2 in = 6

3 in = 10

HS = 2.230

VS = 2.067

GS = 2.394

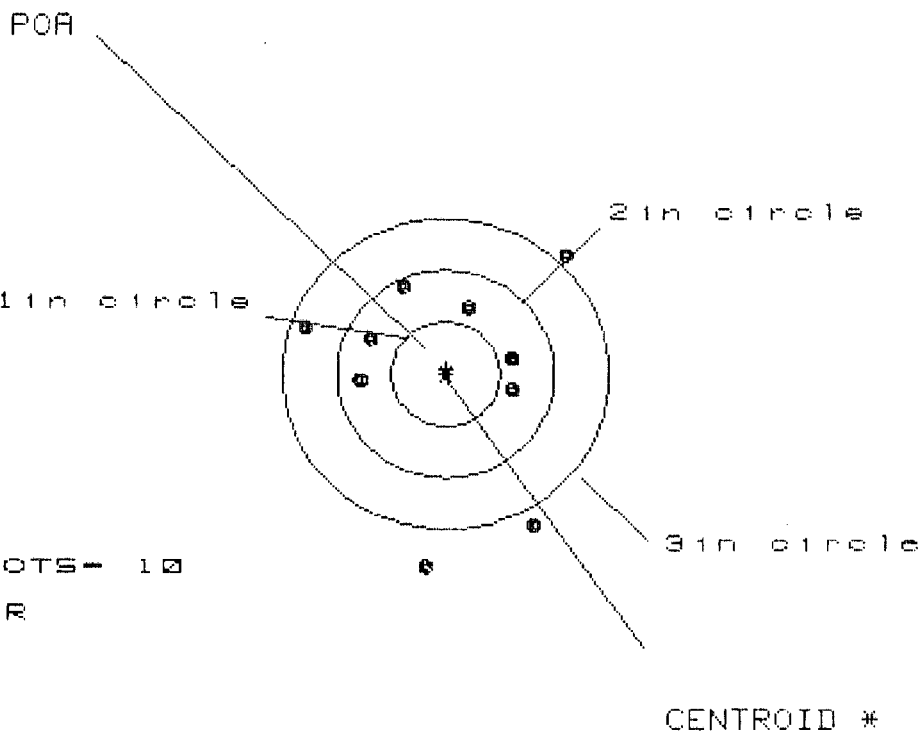
CENTROID *

PATTERN #	3
SHOTS (BEST OF)	10
MAXIMUM X	1.492
MINIMUM X	-.738
MAXIMUM Y	.853
MINIMUM Y	-1.214
CENTROID X	.055
CENTROID Y	-.041
POA TO CENTROID in.	.069
MIN RADIUS	.239
MEAN RADIUS	.809
MAX RADIUS	1.498
HORIZONTAL SPREAD	2.230
VERTICAL SPREAD	2.067
EXTREME SPREAD	2.394
NUMBER IN ONE INCH CIRCLE =	3
NUMBER IN TWO INCH CIRCLE =	6
NUMBER IN THREE INCH CIRCLE =	10

7 Jun 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06636222

CENTERFIRE PATTERNS # 4



OF SHOTS - 10

IN CIR

1in = 0

2in = 6

3in = 7

HS = 2.398

VS = 2.957

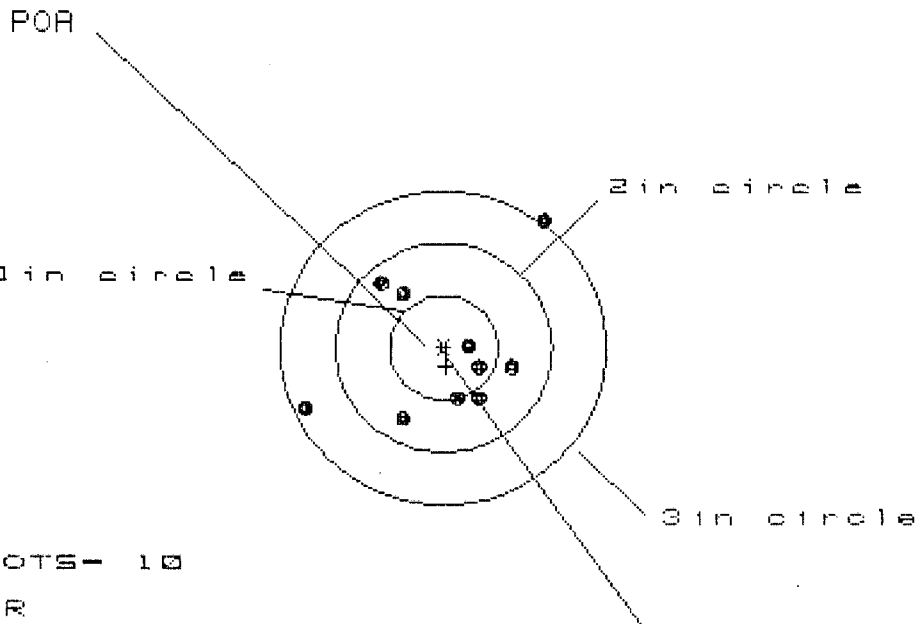
GS = 3.236

PATTERN #	:	14		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.120	1.098	1.195
MINIMUM X	:	-1.278	-1.300	-1.203
MAXIMUM Y	:	1.120	.915	.704
MINIMUM Y	:	-1.837	-1.694	-.616
CENTROID X	:	-.009	.013	-.084
CENTROID Y	:	-.046	.159	.370
POA TO CENTROID in.	:	.046	.159	.380
MIN RADIUS	:	.606	.423	.302
MEAN RADIUS	:	1.091	.969	.823
MAX RADIUS	:	1.848	1.863	1.387
HORIZONTAL SPREAD	:	2.398	2.398	2.398
VERTICAL SPREAD	:	2.957	2.609	1.320
EXTREME SPREAD	:	3.236	2.858	2.483
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		7	

7 Jun 1991

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CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 2

2in = 8

3in = 9

HS= 2.234

VS= 1.964

GS= 2.890

CENTROID #

PATTERN #	5		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.961	.765	.619
MINIMUM X	-1.273	-1.166	-.588
MAXIMUM Y	1.262	.802	.748
MINIMUM Y	-.702	-.562	-.616
CENTROID X	-.025	-.132	.014
CENTROID Y	.176	.036	.089
POA TO CENTROID in.	.178	.137	.091
MIN RADIUS	.203	.364	.218
MEAN RADIUS	.761	.671	.559
MAX RADIUS	1.587	1.243	.952
HORIZONTAL SPREAD	2.234	1.931	1.207
VERTICAL SPREAD	1.964	1.364	1.364
EXTREME SPREAD	2.890	1.981	1.443
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		8	
NUMBER IN THREE INCH CIRCLE =		9	