

C6636046

MODEL 700TM M24

Model **SMS** TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

Remington

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

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

MODEL 700TM H24

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

20

SERIAL NO. C6636046	ORDER NO. 5716
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5716 C6636046

UPC



0 47700 25716 2

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6636046

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	5 2	9 1	Rw
600	Proof	5 2	9 1	Rw
607	Check Headspace	5 2	9 1	Rw
610	Dis-assemble Gun	5 2	9 1	Rw
612	Magnaflux Barrel Action	5 8	9 1	Kcd
	Magnaflux Bolt	5 8	9 1	Wcd
615	Rollmark Caliber	5 8	9 1	GB
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	DA
	Apply Coating (Bolt)			DA
625	Final Assembly A) Clean inside of Bolt Assembly		5/30/91	Rw
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/30/91	Rw
	C) Inspect Ejector Hole for Chamfer		5/30/91	Rw
	D) Oil Firing Pin Ass'y		5/30/91	Rw
	E) Adjust Trigger Pull to Min Setting and Stake		5/31/91	JP

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			5/31/91	JU
	G) Safety Off Force	4	4	4			5/31/91	JU
	H) Trigger Pull Test & Retainability						5/31/91	JU
	I) Firing Pin Indent	.0215	.0215	.0215			5/31/91	JU
	J) Assemble Stock						5/31/91	RW
	K) Assemble Swivel Studs						6-3-91	D/H
	L) Attach Front and Rear Sight Assemblies						5/31/91	RW
	M) Iron Sight Alignment						5/31/91	RW
	N) Detach Front & Rear Sights & place in numbered container						5/31/91	RW
	O) Attach Scope to Rifle						5/31/91	RW
	P) Detach & Attach Scope 20 Times						5/31/91	RW
640	Gallery Target & Test						6/1/91	KJ
	A) Time							KJ
	B) Malfunctions							KJ
	C) Pierced Primers							KJ
	D) Optical Clarity of Scope							KJ
645	Inspect for Live Ammo						6/1/91	KJ
655	Final Inspection							
	A) Headspace						6-3-91	D/H
	B) Trigger Pull	2.25	2.18	2.20	2.43	2.44	6/3/91	JU
	C) Function						6-3-91	D/H
660	Pack						6-20-91	RE

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6636046

DATE 5/31/91

TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.36	2.26	2.24	2.25	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.25	2.27	2.20	2.18	
PULL #3	2.32	2.20	2.19	2.20	
PULL #4	2.23	2.25	2.31	2.43	
PULL #5	2.34	2.28	2.33	2.44	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.54	3.63		
PULL #2	3.42	3.64		
PULL #3	3.41	3.59		
PULL #4	3.62	3.63		
PULL #5	3.60	3.63		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.21	4.35		4.49
PULL #2	4.43	4.44		4.45
PULL #3	4.41	4.36		4.45
PULL #4	4.41	4.33		4.32
PULL #5	4.50	4.38		4.46
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06636046
1 Jun 1991

CENTROIDAL DISTANCES

0 TO	1	.213759
1 TO	2	.168331
1 TO	3	.405183
1 TO	4	.379526
1 TO	5	.379842

~~36~~ (----POB

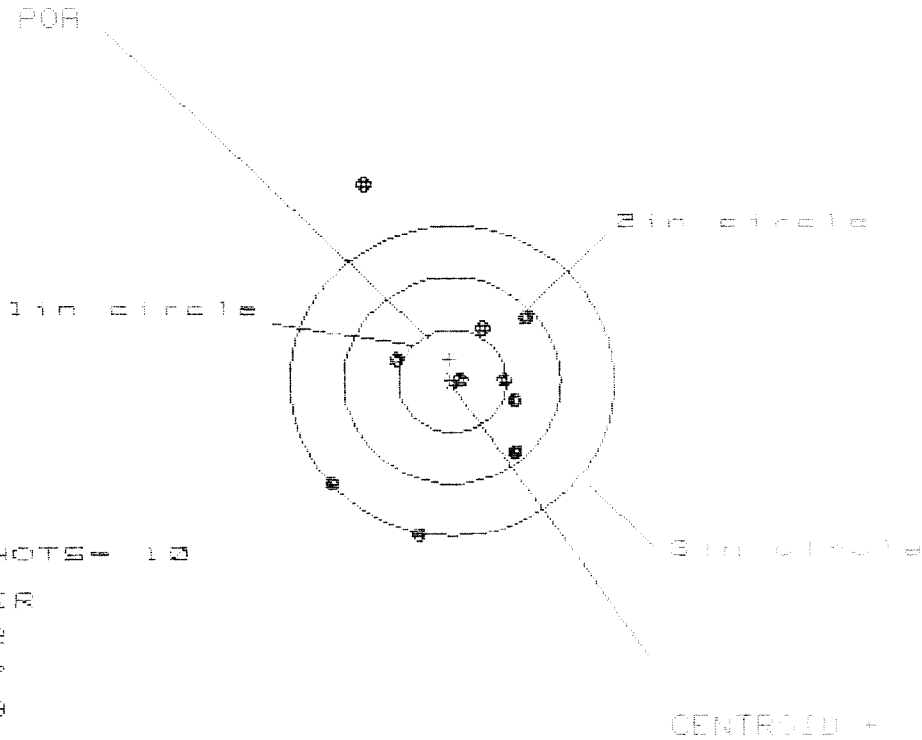
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1428
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.007
THE RESULTING AVERAGE PO1 RADIUS FOR THIS RIFLE IS: .142971
THE AMP FOR THIS RIFLE IS: .9856

1 Jun 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08636048

CENTERFIRE PATTERNS

1



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 7

3 in = 9

HS= 1.774

VS= 3.404

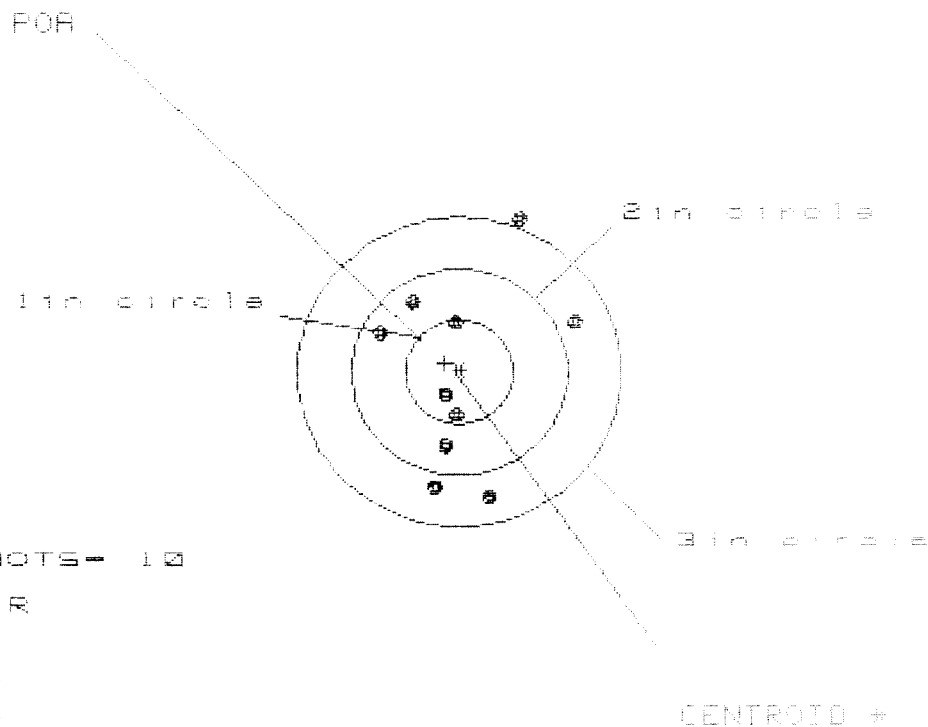
GS= 3.449

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.792	.608	.559
MINIMUM X	-1.072	-1.166	-1.215
MAXIMUM Y	1.945	.796	.641
MINIMUM Y	-1.459	-1.243	-.945
CENTROID X	.018	.112	.161
CENTROID Y	-.213	-.429	-.274
POR TO CENTROID in.	.214	.443	.317
MIN RADIUS	.134	.253	.097
MEAN RADIUS	.926	.781	.661
MAX RADIUS	2.122	1.409	1.539
HORIZONTAL SPREAD	1.774	1.774	1.774
VERTICAL SPREAD	3.404	2.039	1.536
EXTREME SPREAD	3.449	2.386	2.386
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	9		

1 Jun 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8658846

CENTERFIRE PATTERNS # 2



OF SHOTS - 10

IN CIR

1 in = 2

2 in = 6

3 in = 9

HS = 1.794

VS = 2.689

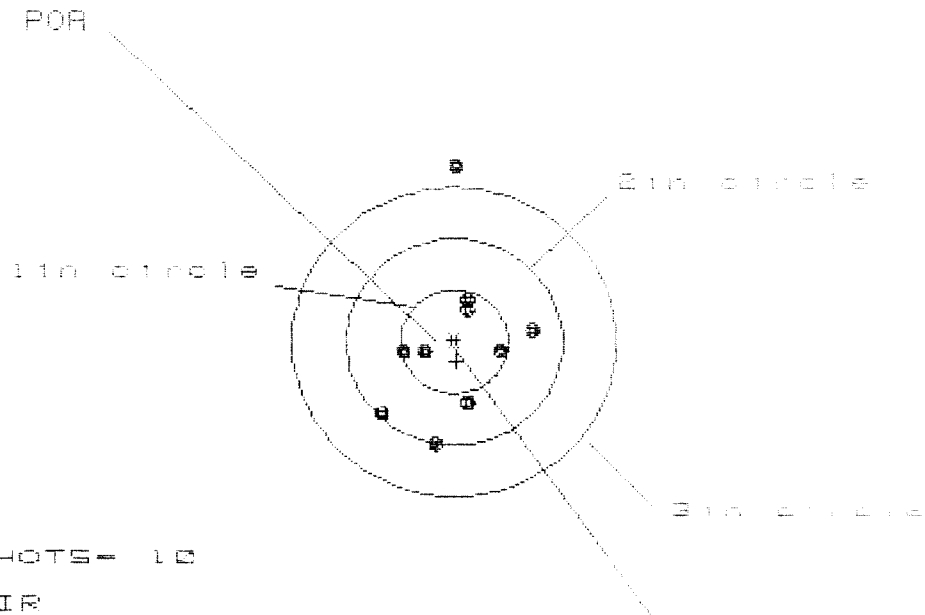
GS = 2.718

PATTERN #	2	2	2
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.047	1.105	1.142
MINIMUM X	-.747	-.689	-.651
MAXIMUM Y	1.472	.867	.735
MINIMUM Y	-1.217	-1.053	-1.120
CENTROID X	.130	.072	.034
CENTROID Y	-.086	-.250	-.118
POA TO CENTROID in.	.156	.260	.123
MIN RADIUS	.208	.070	.137
MEAN RADIUS	.872	.757	.721
MAX RADIUS	1.562	1.301	1.271
HORIZONTAL SPREAD	1.794	1.794	1.794
VERTICAL SPREAD	2.689	1.920	1.855
EXTREME SPREAD	2.718	2.080	2.080
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	9		

1 Jun 1981

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CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 4

2 in = 8

3 in = 9

HS= 1.346

VS= 2.642

GS= 2.653

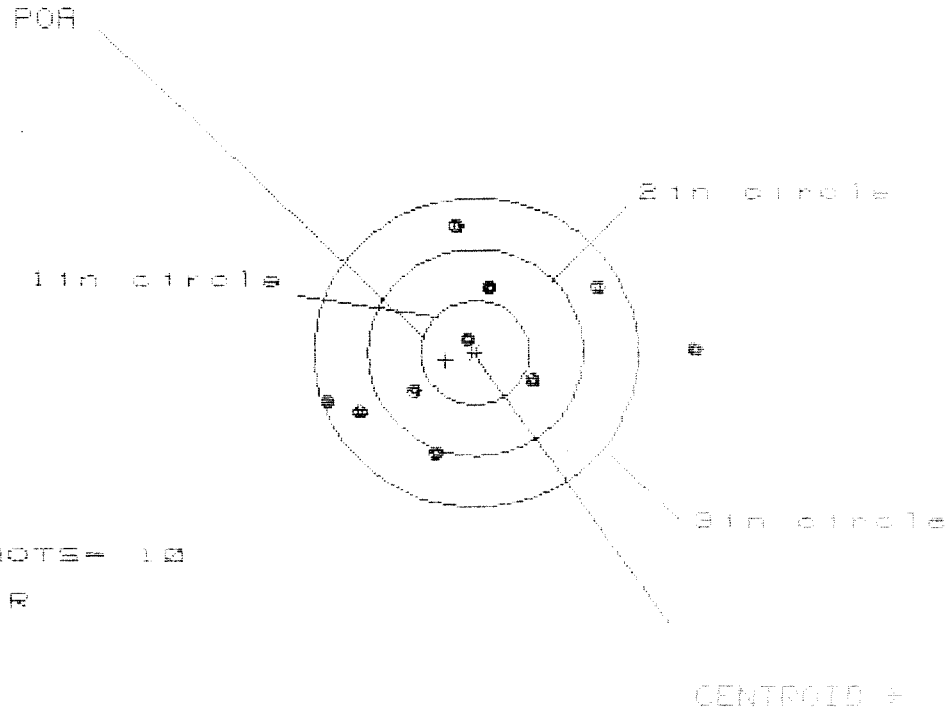
CENTROID *

PATTERN #	:	3	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.690	.698	.676
MINIMUM X	:	-.656	-.643	-.670
MAXIMUM Y	:	1.667	.625	.936
MINIMUM Y	:	-.976	-.790	-.566
CENTROID X	:	-.024	-.032	-.010
CENTROID Y	:	.190	.004	.103
POA TO CENTROID in.	:	.191	.032	.104
MIN RADIUS	:	.293	.259	.279
MEAN RADIUS	:	.692	.575	.533
MAX RADIUS	:	1.658	.809	.877
HORIZONTAL SPREAD	:	1.346	1.346	1.346
VERTICAL SPREAD	:	2.642	1.415	1.092
EXTREME SPREAD	:	2.653	1.549	1.549
NUMBER IN ONE INCH CIRCLE =	:	4	4	4
NUMBER IN TWO INCH CIRCLE =	:	9	9	9
NUMBER IN THREE INCH CIRCLE =	:	9	9	9

1 Jun 1991

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CENTERFIRE PATTERNS # 4



OF SHOTS = 10

IN CIR

1in = 1

2in = 4

3in = 5

HE = 3.372

VE = 2.253

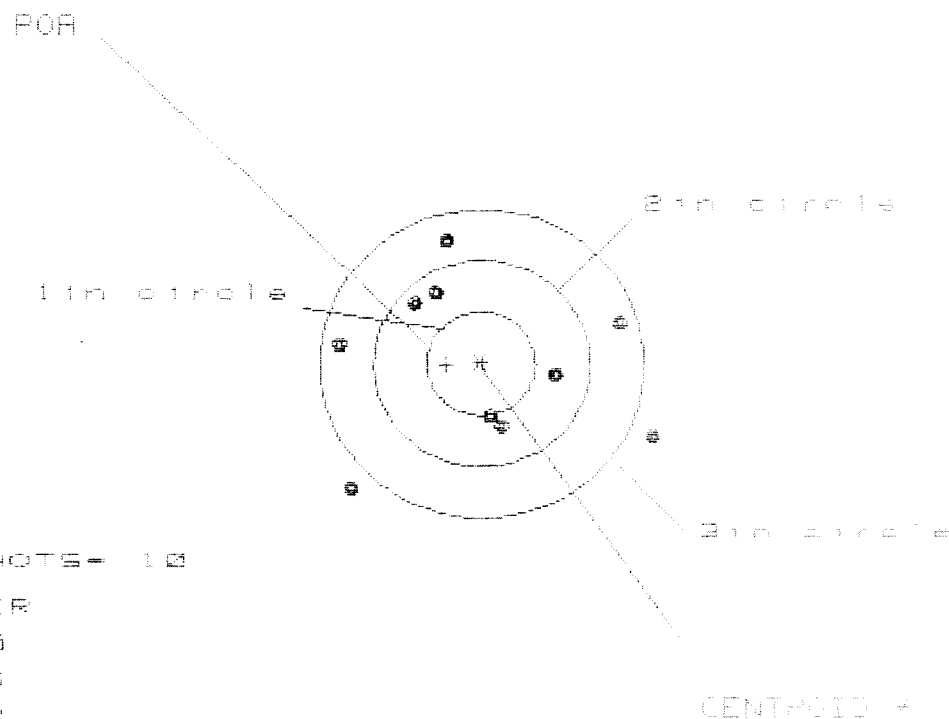
GS = 3.404

PATTERN #	4	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.997	1.371	1.227
MINIMUM X	-1.375	-1.153	-1.014
MAXIMUM Y	1.236	1.237	1.180
MINIMUM Y	-1.017	-1.016	-1.073
CENTROID X	.272	.050	.134
CENTROID Y	.069	.068	.124
POR TO CENTROID in.	.281	.084	.231
MIN RADIUS	.196	.197	.111
MEAN RADIUS	1.045	.919	.864
MAX RADIUS	1.997	1.517	1.362
HORIZONTAL SPREAD	3.372	2.524	2.241
VERTICAL SPREAD	2.253	2.253	2.253
EXTREME SPREAD	3.404	2.755	2.851
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	9		

1 Jun 1991

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CENTERFIRE PATTERNS # 5



OF SHOTS = 10

IN CIR

1 in = 0

2 in = 5

3 in = 0

HS = 5.854

VS = 2.468

GS = 6.883

PATTERN #	5	5	5
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.576	1.437	1.378
MINIMUM X	-1.278	-1.417	-1.237
MAXIMUM Y	1.238	1.161	.994
MINIMUM Y	-1.238	-1.856	-1.886
CENTROID X	.318	.457	.277
CENTROID Y	.005	.141	.248
POR TO CENTROID in.	.318	.478	.372
MIN RADIUS	.562	.605	.601
MEAN RADIUS	1.099	1.021	.922
MAX RADIUS	1.750	1.673	1.375
HORIZONTAL SPREAD	2.854	2.854	2.607
VERTICAL SPREAD	2.468	1.967	1.986
EXTREME SPREAD	3.023	3.889	2.610
NUMBER IN ONE INCH CIRCLE =	0	0	0
NUMBER IN TWO INCH CIRCLE =	5	5	5
NUMBER IN THREE INCH CIRCLE =	0	0	0