

C6649112

MODEL 700™ M24

Model SMS™

Action

Barrel Length

Capacity

Order No. 5716

*Includes 1 in chamber.

Remington

Remington[®]


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

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

MODEL 700TM H24

SERIAL NO.
C6649112

ORDER NO.
5716

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



5716 C6649112

UPC



0 47700 25716 2

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6649112

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	4 30	91	Rw
600	Proof	4 30	91	Rw
607	Check Headspace	4 20	91	Rw
610	Dis-assemble Gun	4 30		Rw
612	Magnaflux Barrel Action	5	6 9 1	Kcd
	Magnaflux Bolt	5	6 9 1	Kcd
615	Rollmark Caliber	5	6 9 1	GB
617	Drill and Tap Sight Holes	5 10	9 1	FB
618	Polish Barrel	5 10	9 1	WB
620	Apply Coatings (Barrel Action)		5/20/91	TA
	Apply Coating (Bolt)		5/20/91	TA
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	JH

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			5-31-91	DH
	G) Safety Off Force	4	3	3			5-31-91	DH
	H) Trigger Pull Test & Retainability						5/31/91	JH
	I) Firing Pin Indent	.021	.021	.023			5-31-91	DH
	J) Assemble Stock						6/3/91	Rw
	K) Assemble Swivel Studs						6-8-91	DH
	L) Attach Front and Rear Sight Assemblies						6/3/91	Rw
	M) Iron Sight Alignment						6/3/91	Rw
	N) Detach Front & Rear Sights & place in numbered container						6/3/91	Rw
	O) Attach Scope to Rifle						6/3/91	Rw
	P) Detach & Attach Scope 20 Times						6/3/91	Rw
640	Gallery Target & Test						6-4-91	AC
	A) Time						6-4-91	AC
	B) Malfunctions						6-4-91	AC
	C) Pierced Primers						6-4-91	AC
	D) Optical Clarity of Scope						6-4-91	AC
645	Inspect for Live Ammo						6-4-91	AC
655	Final Inspection							
	A) Headspace						6-8-91	DH
	B) Trigger Pull	2.15	2.18	2.20	2.22	2.18	6-8-91	DH
	C) Function						6-8-91	DH
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 R6649 112
DATE 5/31/91
TESTER JK

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.69	2.24	2.44	2.15	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.46	2.25	2.50	2.18	
PULL #3	2.22	2.19	2.44	2.20	
PULL #4	2.34	2.51	2.43	2.22	
PULL #5	2.20	2.43	2.38	2.18	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.44	3.44		
PULL #2	3.37	3.42		
PULL #3	3.19	3.42		
PULL #4	3.57	3.44		
PULL #5	3.55	3.34		
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	4.40		4.48
PULL #2	4.40	4.39		4.49
PULL #3	4.40	4.45		4.36
PULL #4	4.41	4.49		4.22
PULL #5	4.37	4.44		4.51
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6649112
4 Jun 1991

CENTROIDAL DISTANCES

0 TO	1	.102883
1 TO	2	.204443
1 TO	3	.235342
1 TO	4	.719334
1 TO	5	.481007

5 4 <----POA

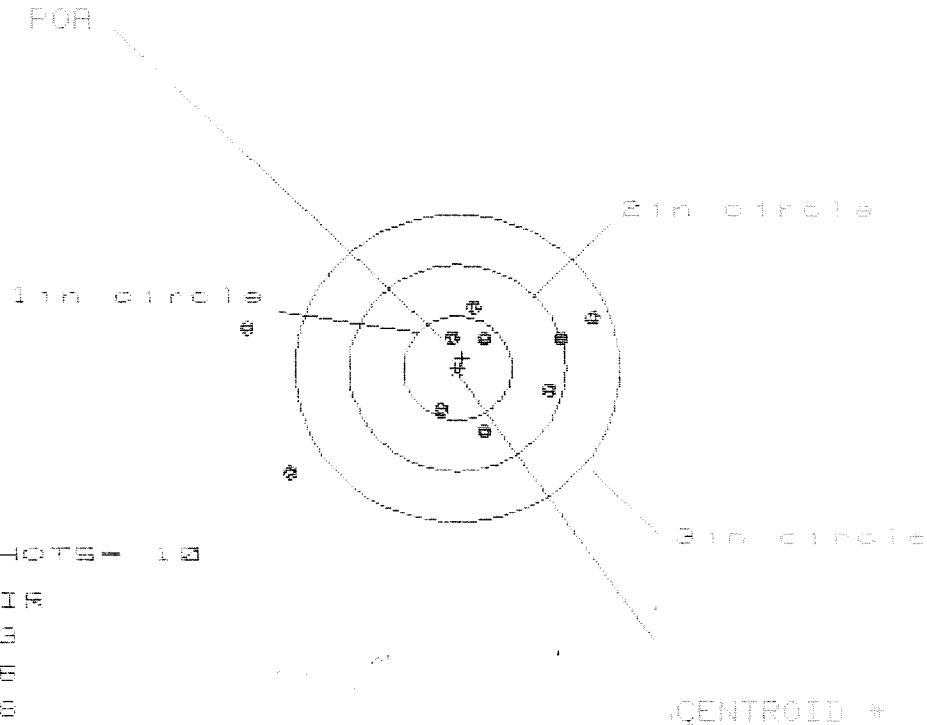
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1016
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.054
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .115059
THE AMR FOR THIS RIFLE IS: .7996

4 Jun 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08649112

CENTERFIRE PATTERNS

1



OF SHOTS - 10

IN CIRC

1in = 3

2in = 6

3in = 8

HS = 0.885

VS = 1.673

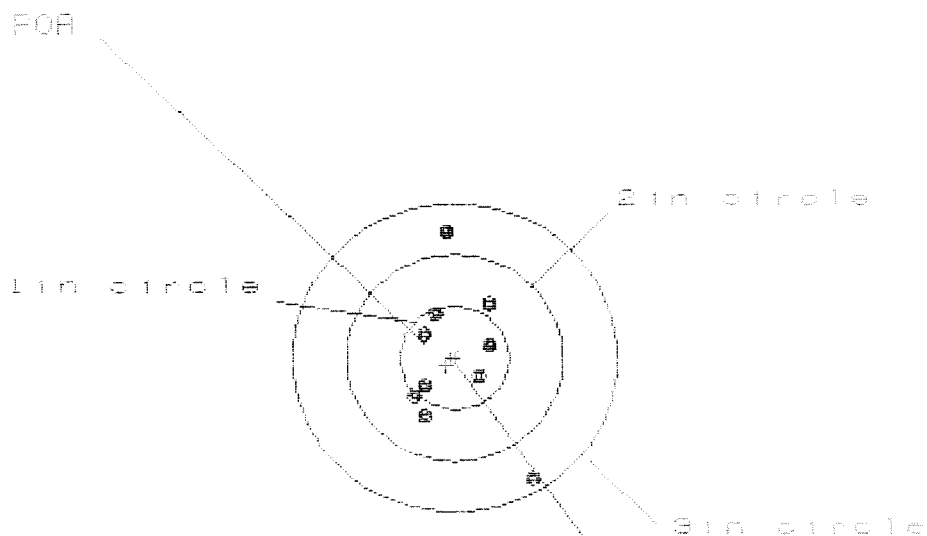
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PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.248	1.031	.885
MINIMUM X	-1.957	-1.807	-1.586
MAXIMUM Y	.626	.664	.533
MINIMUM Y	-1.047	-1.009	-1.672
CENTROID X	-.048	.169	.395
CENTROID Y	-.091	-.129	-.083
POA TO CENTROID in.	.103	.213	.395
MIN RADIUS	.302	.329	.274
MEAN RADIUS	.956	.803	.615
MAX RADIUS	1.986	2.070	.989
HORIZONTAL SPREAD	3.205	2.838	1.365
VERTICAL SPREAD	1.673	1.673	1.210
EXTREME SPREAD	3.237	3.237	1.650
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	8		

4 Jun 1991

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CENTERFIRE PATTERNS # 2



OF SHOTS - 10

IN CIR

1in = 4

2in = 8

3in = 10

HS = 1.0004

VS = 2.441

GS = 2.563

CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.749	.399	.397
MINIMUM X	-.335	-.252	-.245
MAXIMUM Y	1.249	1.116	.512
MINIMUM Y	-1.192	-.736	-.596
CENTROID X	.078	-.005	-.012
CENTROID Y	.070	.203	.063
FOR TO CENTROID in.	.105	.203	.084
MIN RADIUS	.231	.258	.301
MEAN RADIUS	.628	.535	.448
MAX RADIUS	1.408	1.117	.647
HORIZONTAL SPREAD	1.034	.642	.642
VERTICAL SPREAD	2.441	1.852	1.108
EXTREME SPREAD	2.563	1.875	1.277
NUMBER IN ONE INCH CIRCLE =		4	
NUMBER IN TWO INCH CIRCLE =		8	
NUMBER IN THREE INCH CIRCLE =		10	

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CENTERFIRE PATTERNS

3

POA

1 in circle

2 in circle

3 in circle

%CENTROID *

OF SHOTS- 10

IN CIR

1 in = 2

2 in = 9

3 in = 9

HS= 2.929

VS= 1.533

GS= 2.934

PATTERN #	3		
SHOTS (BEST OF)	10	9	9
MAXIMUM X	2.067	.530	.544
MINIMUM X	-.862	-.632	-.566
MAXIMUM Y	.651	.613	.497
MINIMUM Y	-.882	-.920	-.541
CENTROID X	.183	-.047	-.113
CENTROID Y	-.136	-.098	.017
POA TO CENTROID in.	.228	.108	.114
MIN RADIUS	.121	.125	.037
MEAN RADIUS	.763	.565	.476
MAX RADIUS	2.096	1.062	.691
HORIZONTAL SPREAD	2.929	1.162	1.110
VERTICAL SPREAD	1.533	1.533	1.005
EXTREME SPREAD	2.934	1.537	1.333
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		9	
NUMBER IN THREE INCH CIRCLE =		9	

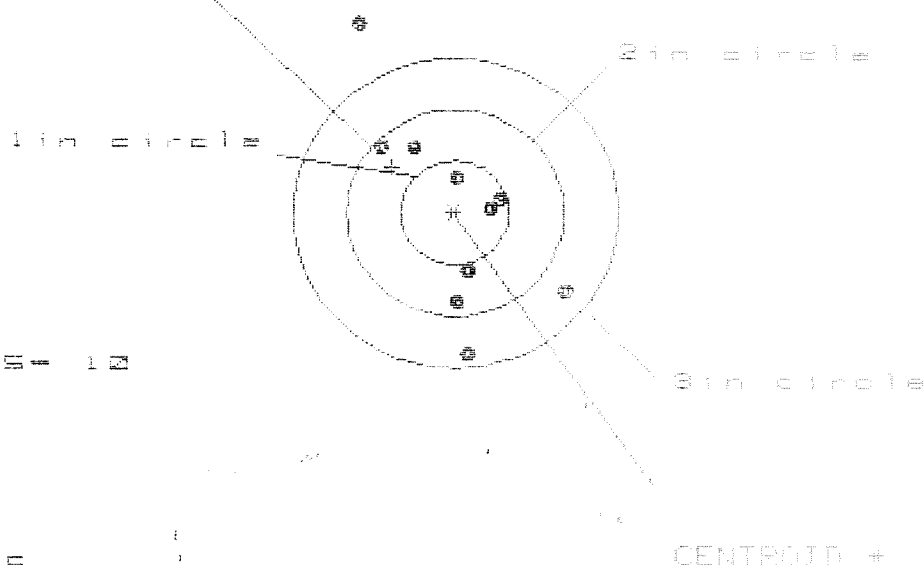
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CENTERFIRE PATTERNS

4

POA



OF SHOTS = 10

IN CIR

1 in = 3

2 in = 7

3 in = 9

HS = 1.855

VS = 3.189

GS = 3.246

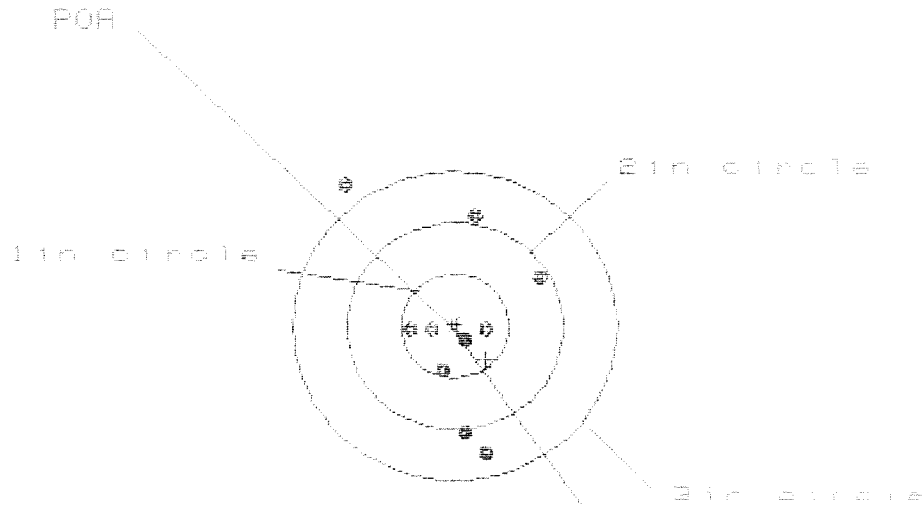
CENTROID +

PATTERN #	4
SHOTS (BEST OF)	10
MAXIMUM X	1.855
MINIMUM X	-1.841
MAXIMUM Y	1.795
MINIMUM Y	-1.314
CENTROID X	.581
CENTROID Y	-.440
POA TO CENTROID in.	.729
MIN RADIUS	.276
MEAN RADIUS	.886
MAX RADIUS	1.932
HORIZONTAL SPREAD	1.896
VERTICAL SPREAD	3.189
EXTREME SPREAD	3.246
NUMBER IN ONE INCH CIRCLE =	3
NUMBER IN TWO INCH CIRCLE =	7
NUMBER IN THREE INCH CIRCLE =	9

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CENTERFIRE PATTERNS # 5



OF SHOTS - 10

IN CIR

1 in = 5

2 in = 6

3 in = 9

HS = 1.811

VS = 2.657

GS = 2.946

CENTROID #

PATTERN #	5
SHOTS (BEST OF)	10
MAXIMUM X	.784
MINIMUM X	-1.027
MAXIMUM Y	1.403
MINIMUM Y	-1.254
CENTROID X	-.286
CENTROID Y	.327
POA TO CENTROID in.	.484
MIN RADIUS	.173
MEAN RADIUS	.765
MAX RADIUS	1.739
HORIZONTAL SPREAD	1.811
VERTICAL SPREAD	2.657
EXTREME SPREAD	2.946
NUMBER IN ONE INCH CIRCLE =	5
NUMBER IN TWO INCH CIRCLE =	6
NUMBER IN THREE INCH CIRCLE =	9