

C6649302

MODEL 700TM M24

Model SMS

Action TM

Barrel Length

Capacity

Order No. 5716

*Includes 1 in chamber.

Remington




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

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

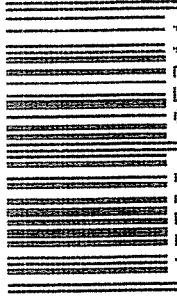
MODEL 700TM H24

SERIAL NO.
C6649302

ORDER NO.
5716

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

UPC



0 47700 25716 7



5716 C6649302

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6649302

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	6 27	9 1	RW
600	Proof	6 27	9 1	RW
607	Check Headspace	6 27	9 1	RW
610	Dis-assemble Gun	6 27	9 1	RW
612	Magnaflux Barrel Action	JUL	2 1991	KR
	Magnaflux Bolt	JUL	2 1991	KR
615	Rollmark Caliber	JUL	2 1991	LG.
617	Drill and Tap Sight Holes	JUL	2 1991	LB
618	Polish Barrel	JUL 1	7 1991	WB
620	Apply Coatings (Barrel Action)		7-22-91	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		7/23/91	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		7/23/91	RW
	C) Inspect Ejector Hole for Chamfer		7/23/91	RW
	D) Oil Firing Pin Ass'y		7/23/91	RW
	E) Adjust Trigger Pull to Min Setting and Stake		7-29-91	JA

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4	4	6			7/29/91	JK
	G) Safety Off Force	4	4	4			7/29/91	JK
	H) Trigger Pull Test & Retainability						7-29-91	JK
	I) Firing Pin Indent	0.23	0.23	0.21			7-29-91	JK
	J) Assemble Stock						8/6/91	RW
	K) Assemble Swivel Studs						8-7-91	JK
	L) Attach Front and Rear Sight Assemblies						8/6/91	RW
	M) Iron Sight Alignment						8/6/91	RW
	N) Detach Front & Rear Sights & place in numbered container						8/6/91	RW
	O) Attach Scope to Rifle						8/6/91	RW
	P) Detach & Attach Scope 20 Times						8/6/91	RW
640	Gallery Target & Test						8-6-91	NE
	A) Time						"	NE
	B) Malfunctions						"	NE
	C) Pierced Primers						"	NE
	D) Optical Clarity of Scope						"	NE
645	Inspect for Live Ammo						8-6-91	NE
655	Final Inspection							
	A) Headspace						8-7-91	JK
	B) Trigger Pull	2.28	2.34	2.28	2.36	2.38	8-7-91	JK
	C) Function						8-7-91	JK
660	Pack						9-19-91	NE

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6649302

DATE 7-29-91

TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.53	2.53	2.48	2.29	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.57	2.50	2.50	2.34	
PULL #3	2.54	2.50	2.43	2.28	
PULL #4	2.56	2.53	2.46	2.36	
PULL #5	2.55	2.53	2.40	2.38	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.31	3.29		
PULL #2	3.35	3.24		
PULL #3	3.31	3.40		
PULL #4	3.34	3.36		
PULL #5	3.20	3.27		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.53	4.53		4.53
PULL #2	4.46	4.54		4.57
PULL #3	4.49	4.54		4.59
PULL #4	4.55	4.55		4.59
PULL #5	4.54	4.56		4.58
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6649302
6 Aug 1991

CENTROIDAL DISTANCES

Ø TO	1	.155052
1 TO	2	.153447
1 TO	3	.351172
1 TO	4	.151796
1 TO	5	.332417

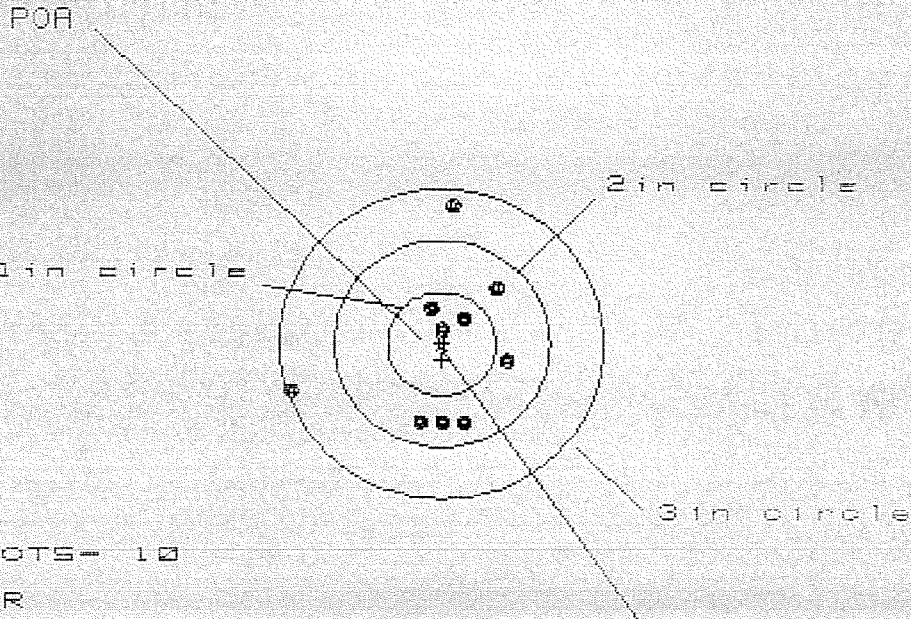
824⁵ (----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.031
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .123
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .126846
THE AMR FOR THIS RIFLE IS: .911

6 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6549382

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1in = 3

2in = 8

3in = 10

HS= 1.933

VS= 2.101

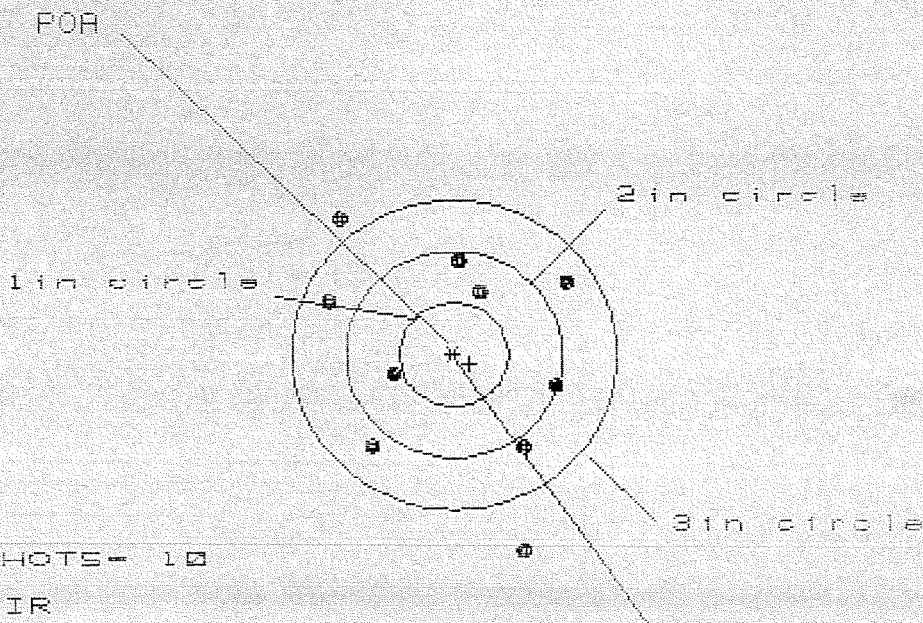
GS= 2.286

PATTERN #	:	1	2	3
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.586	.436	.426
MINIMUM X	:	-1.347	-.342	-.352
MAXIMUM Y	:	1.365	1.317	.635
MINIMUM Y	:	-.736	-.784	-.619
CENTROID X	:	-.004	.146	.156
CENTROID Y	:	.155	.203	.038
POA TO CENTROID in.	:	.155	.250	.160
MIN RADIUS	:	.166	.208	.335
MEAN RADIUS	:	.721	.621	.541
MAX RADIUS	:	1.413	1.320	.719
HORIZONTAL SPREAD	:	1.933	.778	.778
VERTICAL SPREAD	:	2.101	2.101	1.254
EXTREME SPREAD	:	2.286	2.118	1.430
NUMBER IN ONE INCH CIRCLE	=	3		
NUMBER IN TWO INCH CIRCLE	=	8		
NUMBER IN THREE INCH CIRCLE	=	10		

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FILE:/PATTERNING/CENTERFIRE_PATT/C6649302

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 0

2in = 4

3in = 6

HS= 2.221

VS= 3.222

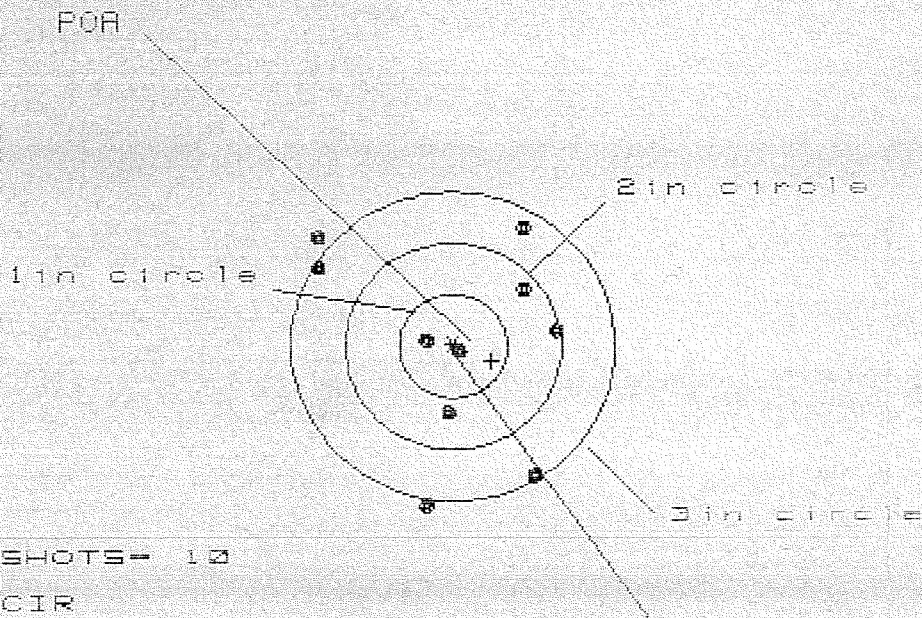
GS= 3.619

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.072	1.141	1.020
MINIMUM X	:	-1.149	-1.080	-1.201
MAXIMUM Y	:	1.359	1.152	.894
MINIMUM Y	:	-1.863	-1.137	-.993
CENTROID X	:	-.143	-.212	-.091
CENTROID Y	:	.090	.297	.153
POA TO CENTROID in.	:	.169	.365	.178
MIN RADIUS	:	.602	.515	.597
MEAN RADIUS	:	1.174	1.062	1.004
MAX RADIUS	:	1.963	1.501	1.289
HORIZONTAL SPREAD	:	2.221	2.221	2.221
VERTICAL SPREAD	:	3.222	2.289	1.887
EXTREME SPREAD	:	3.619	2.847	2.440
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		8	

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FILE:/PATTERNING/CENTERFIRE_PATT/C66493B2

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1in = 2

2in = 5

3in = 8

HS= 2.261

VS= 2.669

GS= 3.083

CENTROID #

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.970	.826	.779
MINIMUM X	:	-1.291	-1.342	-1.389
MAXIMUM Y	:	1.119	1.236	1.057
MINIMUM Y	:	-1.558	-1.433	-1.339
CENTROID X	:	-.355	-.211	-.164
CENTROID Y	:	.144	.027	.206
POA TO CENTROID in.	:	.383	.213	.263
MIN RADIUS	:	.076	.113	.190
MEAN RADIUS	:	1.022	.944	.873
MAX RADIUS	:	1.667	1.582	1.538
HORIZONTAL SPREAD	:	2.261	2.168	2.168
VERTICAL SPREAD	:	2.669	2.669	2.396
EXTREME SPREAD	:	3.083	2.802	2.774
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

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CENTERFIRE PATTERNS

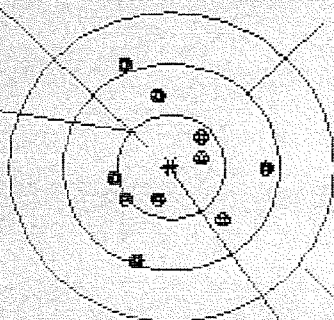
4

POA

1in circle

2in circle

3in circle



OF SHOTS= 10

IN CIR

1in = 4

2in = 9

3in = 10

HS= 1.444

VS= 1.932

GS= 1.936

CENTROID *

PATTERN #

:

4

SHOTS (BEST OF)

:

10

9

8

MAXIMUM X

:

.889

.844

.802

MINIMUM X

:

-.555

-.600

-.642

MAXIMUM Y

:

.999

.852

.749

MINIMUM Y

:

-.933

-.822

-.503

CENTROID X

:

.025

.070

.112

CENTROID Y

:

.006

-.105

-.002

POA TO CENTROID in.

:

.026

.126

.112

MIN RADIUS

:

.306

.257

.232

MEAN RADIUS

:

.646

.588

.543

MAX RADIUS

:

1.079

.887

.802

HORIZONTAL SPREAD

:

1.444

1.444

1.444

VERTICAL SPREAD

:

1.932

1.674

1.252

EXTREME SPREAD

:

1.936

1.681

1.446

NUMBER IN ONE INCH CIRCLE =

4

NUMBER IN TWO INCH CIRCLE =

9

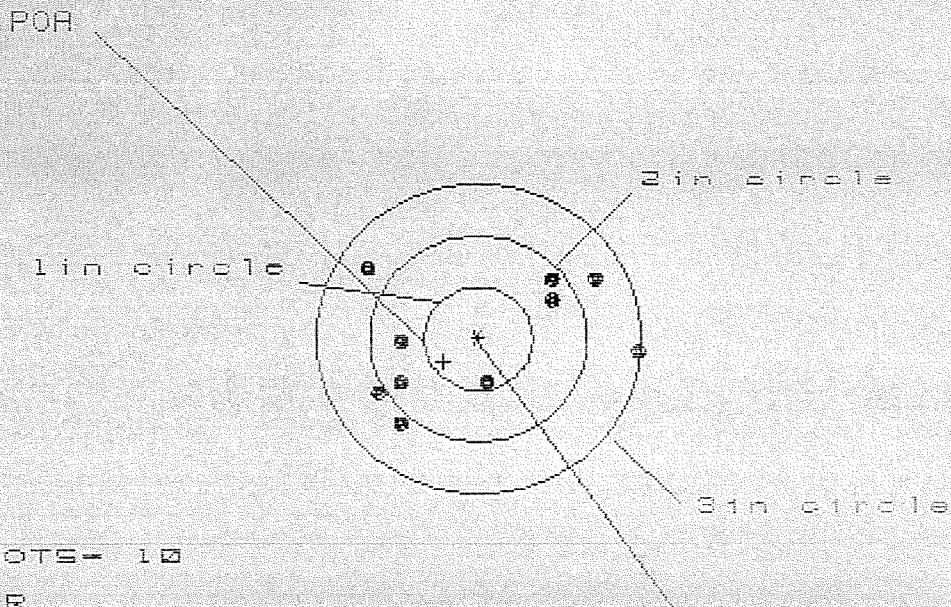
NUMBER IN THREE INCH CIRCLE =

10

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CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1in = 1

2in = 5

3in = 9

HS= 2.512

VS= 1.549

GS= 2.635

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.505	1.259	1.051
MINIMUM X	:	-1.008	-.840	-.683
MAXIMUM Y	:	.699	.688	.763
MINIMUM Y	:	-.850	-.861	-.786
CENTROID X	:	.322	.154	-.003
CENTROID Y	:	.220	.231	.156
POA TO CENTROID in.	:	.390	.278	.156
MIN RADIUS	:	.452	.528	.387
MEAN RADIUS	:	.992	.915	.818
MAX RADIUS	:	1.508	1.394	1.245
HORIZONTAL SPREAD	:	2.512	2.099	1.734
VERTICAL SPREAD	:	1.549	1.549	1.549
EXTREME SPREAD	:	2.635	2.329	2.052
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	