

C6649254

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5715**

*Includes 1 in chamber.

Remington




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

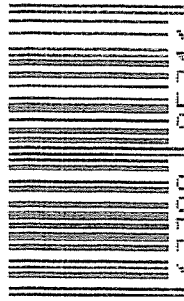
MODEL 700TH H24

SERIAL NO.
C6649254

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 C6649254

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6649254

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	6 27	9 1	AW
600	Proof	6 27	9 1	AW
607	Check Headspace	6 27	9 1	AW
610	Dis-assemble Gun	6 27	9 1	AW
612	Magnaflux Barrel Action	JUL	2 1991	KR
	Magnaflux Bolt	JUL	2 1991	KR
615	Rollmark Caliber	JUL	2 1991	28.
617	Drill and Tap Sight Holes	JUL	2 1991	EB
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		7-26-91	JH

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			7-26-91	DH
	G) Safety Off Force	3	3	3			7-26-91	DH
	H) Trigger Pull Test & Retainability						7-26-91	JH
	I) Firing Pin Indent	.020	.020	.020			7-26-91	DH
	J) Assemble Stock						7/29/91	Rw
	K) Assemble Swivel Studs							
	L) Attach Front and Rear Sight Assemblies						7/29/91	Rw
	M) Iron Sight Alignment						7/29/91	Rw
	N) Detach Front & Rear Sights & place in numbered container						7/29/91	Rw
	O) Attach Scope to Rifle						7/29/91	Rw
	P) Detach & Attach Scope 20 Times						7/29/91	Rw
640	Gallery Target & Test						7/29/91	KT
	A) Time							KT
	B) Malfunctions							KT
	C) Pierced Primers							KT
	D) Optical Clarity of Scope							KT
645	Inspect for Live Ammo						7/29/91	KT
655	Final Inspection							
	A) Headspace						8-6-91	AC
	B) Trigger Pull	2.41	2.22	2.25	2.30	2.50	8-5-91	JH
	C) Function						8-6-91	AC
660	Pack						9-19-91	VF

TIME

SWS TRIGGER PULL TESTAVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. 66649254DATE 7-26-91TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.35	2.33	2.30	2.41	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.23	2.19	2.25	2.22	
PULL #3	2.37	2.23	2.20	2.25	
PULL #4	2.28	2.35	2.36	2.30	
PULL #5	2.32	2.20	2.30	2.50	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.33	3.71		
PULL #2	3.36	3.45		
PULL #3	3.52	3.73		
PULL #4	3.59	3.77		
PULL #5	3.39	3.48		
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	4.20		4.57
PULL #2	4.54	4.58		4.53
PULL #3	4.52	4.60		4.60
PULL #4	4.51	4.55		4.55
PULL #5	4.33	4.18		4.58
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6649254
29 Jul 1991

CENTROIDAL DISTANCES

0 TO 1	.0970979
1 TO 2	.260409
1 TO 3	.264123
1 TO 4	.0955092
1 TO 5	.379684

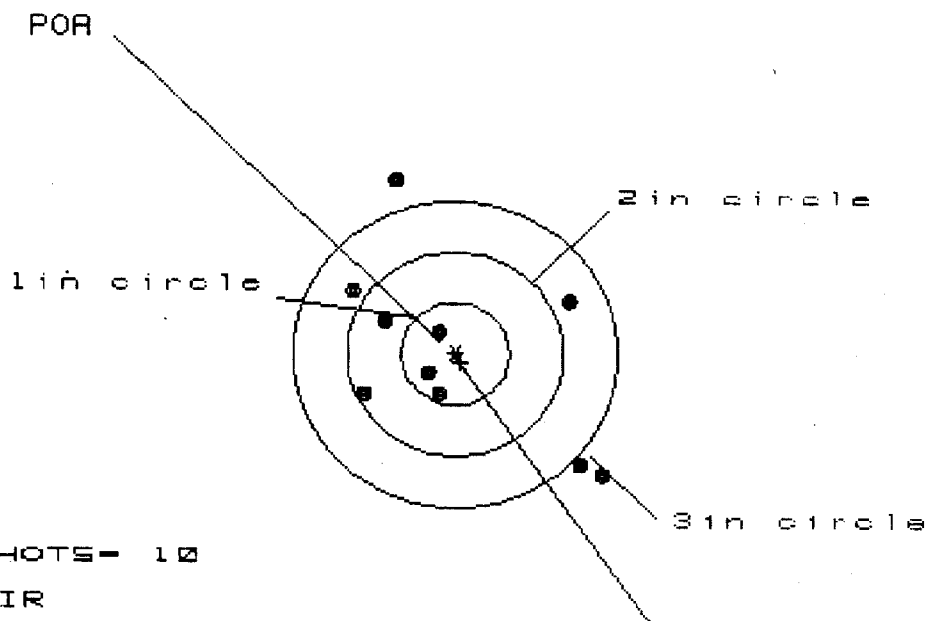
st <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.1574
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0694
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .172021
THE AMR FOR THIS RIFLE IS: 1.063

29 Jul 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6649254

CENTERFIRE PATTERNS # 1



OF SHOTS - 10

IN CIR

1in = 3

2in = 5

3in = 7

HS = 2.345

VS = 2.887

GS = 3.480

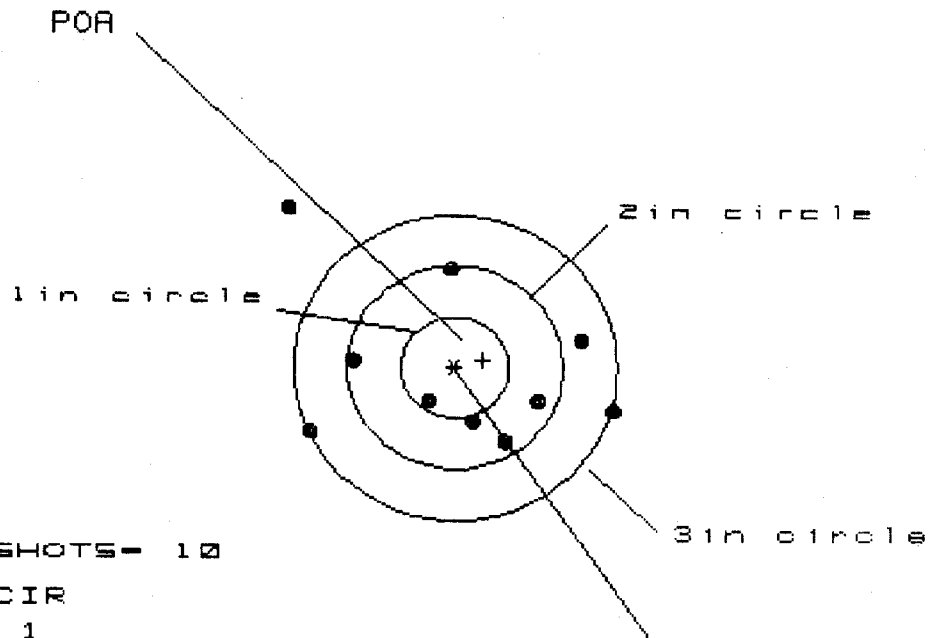
CENTROID #

PATTERN #	:	1	2	3
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.374	1.312	1.260
MINIMUM X	:	-.971	-.818	-.870
MAXIMUM Y	:	1.669	1.534	.682
MINIMUM Y	:	-1.218	-1.184	-.992
CENTROID X	:	-.052	-.205	-.153
CENTROID Y	:	.082	.218	.026
POA TO CENTROID in.	:	.098	.299	.155
MIN RADIUS	:	.208	.056	.206
MEAN RADIUS	:	1.008	.879	.780
MAX RADIUS	:	1.836	1.767	1.604
HORIZONTAL SPREAD	:	2.345	2.130	2.130
VERTICAL SPREAD	:	2.887	2.718	1.674
EXTREME SPREAD	:	3.480	3.221	2.709
NUMBER IN ONE INCH CIRCLE	=	3		
NUMBER IN TWO INCH CIRCLE	=	5		
NUMBER IN THREE INCH CIRCLE	=	7		

29 Jul 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6649254

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 1

2in = 5

3in = 8

HS= 3.037

VS= 2.213

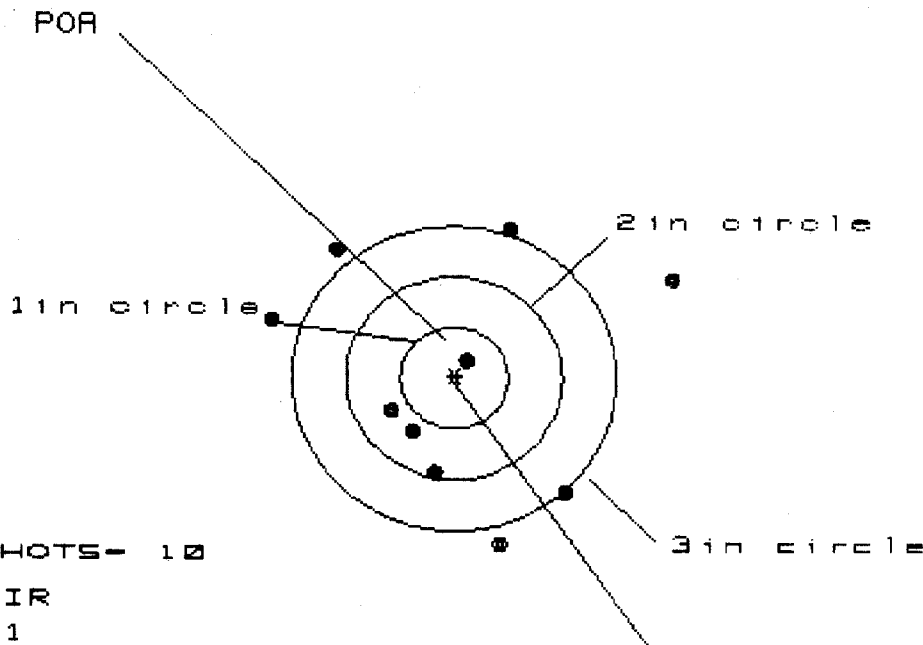
GS= 3.595

PATTERN #	:			
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.469	1.295	1.182
MINIMUM X	:	-1.568	-1.536	-1.375
MAXIMUM Y	:	1.527	1.145	1.117
MINIMUM Y	:	-.686	-.517	-.545
CENTROID X	:	-.259	-.085	-.246
CENTROID Y	:	-.076	-.245	-.217
POA TO CENTROID in.	:	.270	.259	.328
MIN RADIUS	:	.340	.350	.247
MEAN RADIUS	:	1.086	.914	.863
MAX RADIUS	:	2.189	1.600	1.454
HORIZONTAL SPREAD	:	3.037	2.831	2.557
VERTICAL SPREAD	:	2.213	1.662	1.662
EXTREME SPREAD	:	3.595	2.840	2.694
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		8	

29 Jul 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6649254

CENTERFIRE PATTERNS # 3



OF SHOTS - 10

IN CIR

1in = 1

2in = 4

3in = 5

HS = 3.752

VS = 3.148

GS = 3.783

CENTROID *

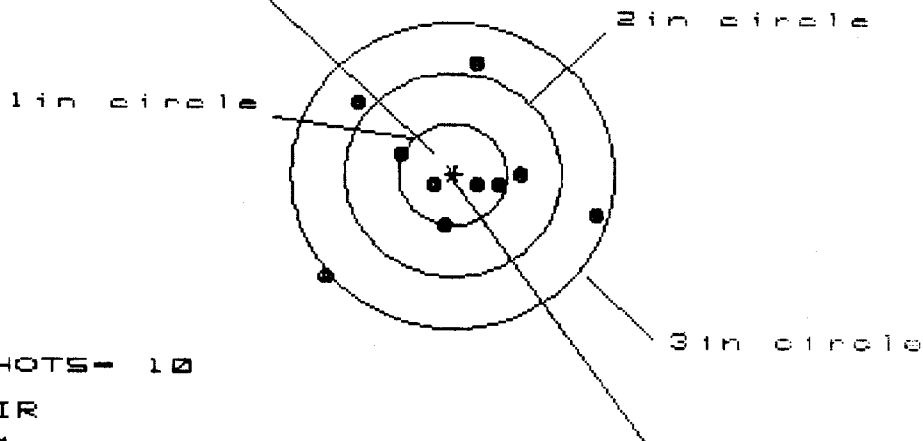
PATTERN #	:			
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	2.046	1.234	1.049
MINIMUM X	:	-1.706	-1.478	-1.027
MAXIMUM Y	:	1.514	1.626	1.706
MINIMUM Y	:	-1.634	-1.522	-1.442
CENTROID X	:	-.117	-.344	-.159
CENTROID Y	:	-.174	-.286	-.366
POA TO CENTROID in.	:	.209	.448	.399
MIN RADIUS	:	.212	.430	.407
MEAN RADIUS	:	1.302	1.153	1.092
MAX RADIUS	:	2.283	1.792	1.798
HORIZONTAL SPREAD	:	3.752	2.712	2.076
VERTICAL SPREAD	:	3.148	3.148	3.148
EXTREME SPREAD	:	3.783	3.222	3.222
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		5	

29 Jul 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8649254

CENTERFIRE PATTERNS # 4

POA



* OF SHOTS - 10

* IN CIR

1 in = 4

2 in = 6

3 in = 10

CENTROID *

HS = 2.455

VS = 2.120

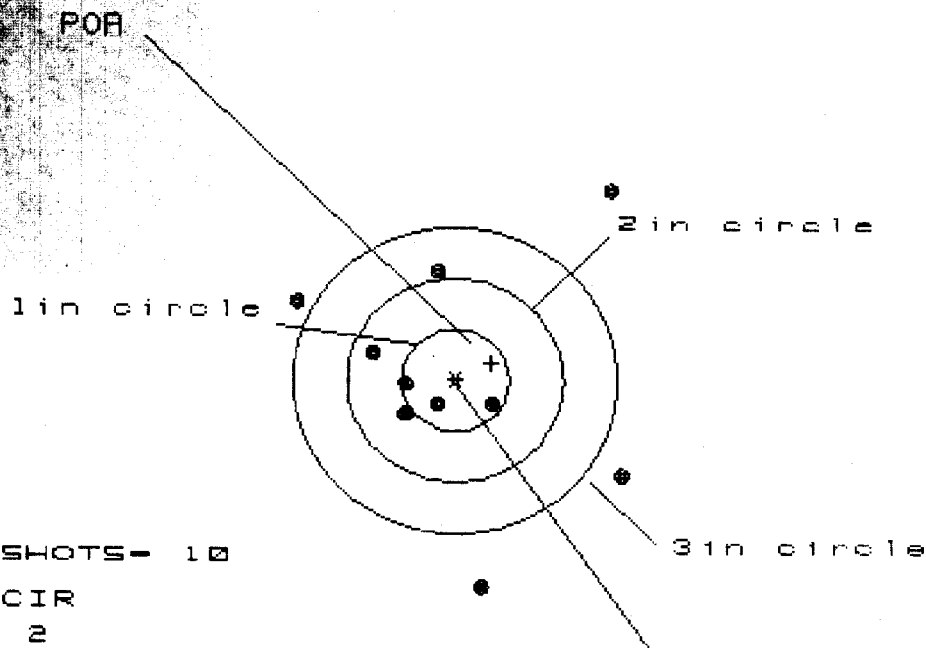
GS = 2.531

PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.316	1.190	.613
MINIMUM X	:	-1.139	-1.031	-.883
MAXIMUM Y	:	1.155	1.047	.990
MINIMUM Y	:	-.965	-.624	-.681
CENTROID X	:	-.023	.103	-.045
CENTROID Y	:	-.009	.099	.156
POA TO CENTROID in.	:	.025	.143	.162
MIN RADIUS	:	.235	.266	.313
MEAN RADIUS	:	.773	.692	.627
MAX RADIUS	:	1.493	1.275	1.048
HORIZONTAL SPREAD	:	2.455	2.221	1.496
VERTICAL SPREAD	:	2.120	1.671	1.671
EXTREME SPREAD	:	2.531	2.469	1.700
NUMBER IN ONE INCH CIRCLE =	:	4		
NUMBER IN TWO INCH CIRCLE =	:	6		
NUMBER IN THREE INCH CIRCLE =	:	10		

08/04/1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6649254

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 2

2in = 5

3in = 6

HS= 2.985

VS= 3.889

GS= 4.080

PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.537	1.700	1.748
MINIMUM X	:	-1.448	-1.285	-1.237
MAXIMUM Y	:	1.826	1.223	.991
MINIMUM Y	:	-2.063	-1.860	-.969
CENTROID X	:	-.336	-.499	-.547
CENTROID Y	:	-.170	-.373	-.141
POA TO CENTROID in.	:	.377	.623	.565
MIN RADIUS	:	.297	.045	.243
MEAN RADIUS	:	1.147	.951	.828
MAX RADIUS	:	2.338	1.900	1.999
HORIZONTAL SPREAD	:	2.985	2.985	2.985
VERTICAL SPREAD	:	3.889	3.083	1.960
EXTREME SPREAD	:	4.080	3.423	3.423
NUMBER IN ONE INCH CIRCLE	=	2		
NUMBER IN TWO INCH CIRCLE	=	5		
NUMBER IN THREE INCH CIRCLE	=	6		