

C6649300

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5715**

*Includes 1 in chamber.

Remington



MODEL 700TM H24

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

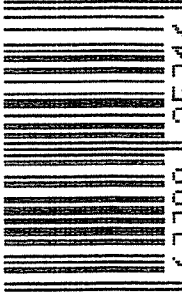


REG. U.S. PAT. & T.M. OFF.

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

SERIAL NO. C6649300	ORDER NO. 5716
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UPC



0 47700 25716 7



5716 C6649300

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6649300

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	6 27 91		AW
600	Proof	6 27 91		AW
607	Check Headspace	6 27 91		AW
610	Dis-assemble Gun	6 27 91		AW
612	Magnaflux Barrel Action		JUL 2 1991	KR
	Magnaflux Bolt		JUL 2 1991	KR
615	Rollmark Caliber		JUL 2 1991	LS
617	Drill and Tap Sight Holes		JUL 2 1991	FB
618	Polish Barrel		JUL 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	JL

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5 $\frac{3}{4}$	6	6			7-26-91	DH
	G) Safety Off Force	3 $\frac{1}{4}$	3 $\frac{1}{4}$	3 $\frac{1}{4}$			7-26-91	DH
	H) Trigger Pull Test & Retainability						7-26-91	JL
	I) Firing Pin Indent	.020	.020	.021			7-26-91	DH
	J) Assemble Stock						7/31/91	RW
	K) Assemble Swivel Studs						8-6-91	AC
	L) Attach Front and Rear Sight Assemblies						7/31/91	RW
	M) Iron Sight Alignment						7/31/91	RW
	N) Detach Front & Rear Sights & place in numbered container						7/31/91	RW
	O) Attach Scope to Rifle						7/31/91	RW
	P) Detach & Attach Scope 20 Times						7/31/91	RW
640	Gallery Target & Test						7/31/91	KT
	A) Time						"	KT
	B) Malfunctions						"	KT
	C) Pierced Primers						"	KT
	D) Optical Clarity of Scope						"	KT
645	Inspect for Live Ammo						7/31/91	KT
655	Final Inspection							
	A) Headspace						8-6-91	AC
	B) Trigger Pull	2.17	2.20	2.18	2.18	2.20	8-5-91	JL
	C) Function						8-6-91	AC
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. C-6649300

DATE 7-26-91

TESTER JH.

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.33	2.22	2.44	2.17	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.32	2.35	2.23	2.20	
PULL #3	2.34	2.35	2.38	2.18	
PULL #4	2.24	2.32	2.35	2.18	
PULL #5	2.30	2.28	2.33	2.20	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.19	3.22		
PULL #2	3.21	3.15		
PULL #3	3.36	3.21		
PULL #4	3.25	3.29		
PULL #5	3.16	3.21		
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	4.27		4.18
PULL #2	4.21	4.29		4.23
PULL #3	4.43	4.22		4.27
PULL #4	4.32	4.22		4.25
PULL #5	4.32	4.32		4.37
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6649388
31 JUL 1991

CENTROIDAL DISTANCES

0 TO 1	.358209
1 TO 2	.570853
1 TO 3	.179739
1 TO 4	.283621
1 TO 5	.231244

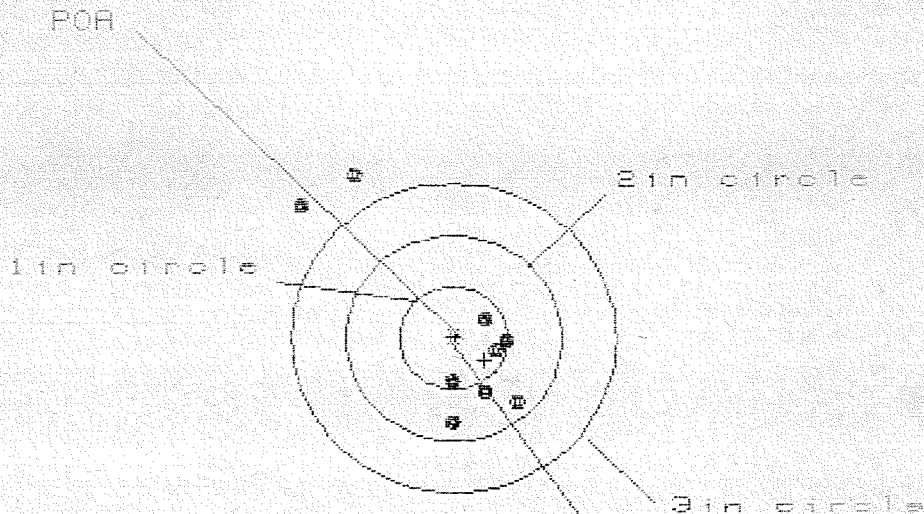
-----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.1
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0492
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .111449
THE AMR FOR THIS RIFLE IS: .7916

31 Jul 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6649380

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1in = 3

2in = 8

3in = 8

HS= 1.974

VS= 2.488

GS= 2.732

CENTROID *

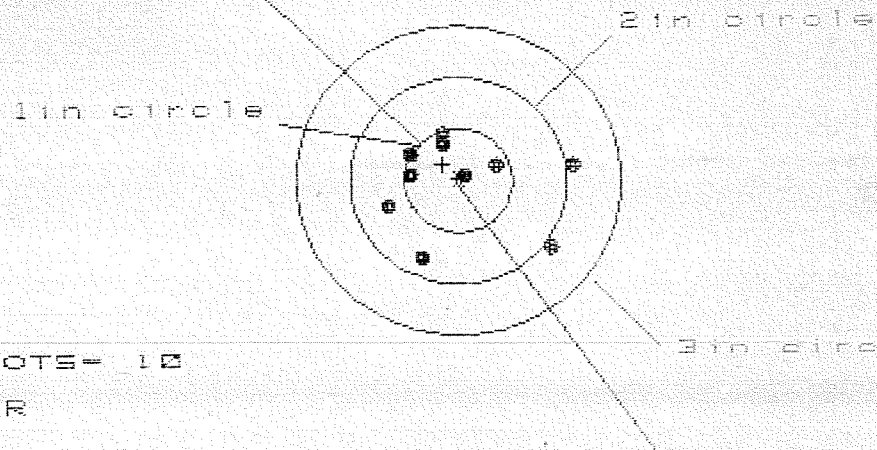
PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.544	.985	.246
MINIMUM X	:	-1.438	-1.113	-.294
MAXIMUM Y	:	1.629	1.769	.518
MINIMUM Y	:	-.851	-.711	-.490
CENTROID X	:	-.285	-.126	.013
CENTROID Y	:	.217	.077	-.144
POA TO CENTROID in.	:	.358	.148	.145
MIN RADIUS	:	.345	.265	.125
MEAN RADIUS	:	.834	.609	.335
MAX RADIUS	:	1.904	2.090	.571
HORIZONTAL SPREAD	:	1.974	1.498	.540
VERTICAL SPREAD	:	2.488	2.488	1.008
EXTREME SPREAD	:	2.732	2.711	1.053
NUMBER IN ONE INCH CIRCLE	=	3	3	3
NUMBER IN TWO INCH CIRCLE	=	8	8	8
NUMBER IN THREE INCH CIRCLE	=	8	8	8

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FILE:/PATTERNING/CENTERFIRE_PATT/06649300

CENTERFIRE PATTERNS # 2

POA



OF SHOTS= 10

IN CIR

1in = 4

2in = 8

3in = 10

HS= 1.703

VS= 1.261

GS= 1.755

CENTROID *

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.057	.935	.560
MINIMUM X	:	-.646	-.528	-.411
MAXIMUM Y	:	.497	.519	.445
MINIMUM Y	:	-.764	-.742	-.817
CENTROID X	:	.148	.030	-.087
CENTROID Y	:	-.155	-.177	-.102
POA TO CENTROID in.	:	.214	.180	.134
MIN RADIUS	:	.095	.174	.244
MEAN RADIUS	:	.595	.530	.426
MAX RADIUS	:	1.076	1.109	.821
HORIZONTAL SPREAD	:	1.703	1.463	.971
VERTICAL SPREAD	:	1.261	1.261	1.261
EXTREME SPREAD	:	1.755	1.547	1.273
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		10	

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FILE:/PATTERNING/CENTERFIRE_PATT/G6549300

CENTERFIRE PATTERNS # 3

POA

1 in circle

2 in circle

3 in circle

OF SHOTS- 10

IN CIR

1 in = 0

2 in = 4

3 in = 9

HS= 2.880

VS= 2.421

GS= 2.971

CENTROID *

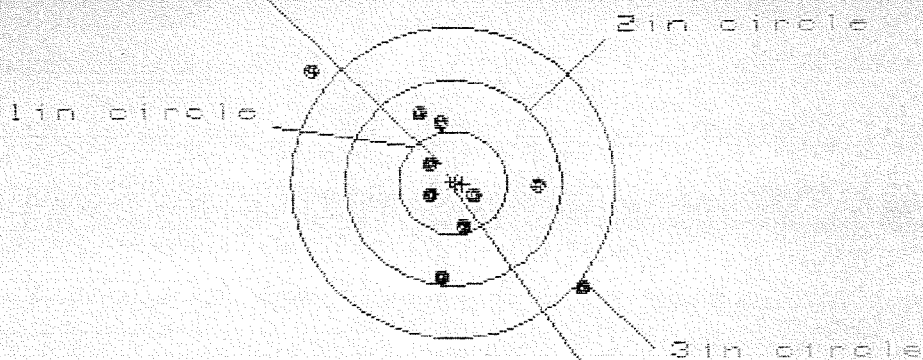
PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.880	.880	.892
MINIMUM X	:	-1.800	-1.133	-1.121
MAXIMUM Y	:	1.369	1.304	.753
MINIMUM Y	:	-1.051	-1.117	-.954
CENTROID X	:	-.194	.006	-.006
CENTROID Y	:	.062	.128	-.035
POA TO CENTROID in.	:	.204	.128	.035
MIN RADIUS	:	.503	.438	.445
MEAN RADIUS	:	1.016	.890	.830
MAX RADIUS	:	1.895	1.308	1.350
HORIZONTAL SPREAD	:	2.880	2.013	2.013
VERTICAL SPREAD	:	2.421	2.421	1.707
EXTREME SPREAD	:	2.971	2.423	2.303
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		9	

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CENTERFIRE PATTERNS # 4

POB



OF SHOTS- 10

IN CIR

1in = 4

2in = 8

3in = 8

HS= 2.502

VS= 2.081

GS= 3.254

CENTROID #

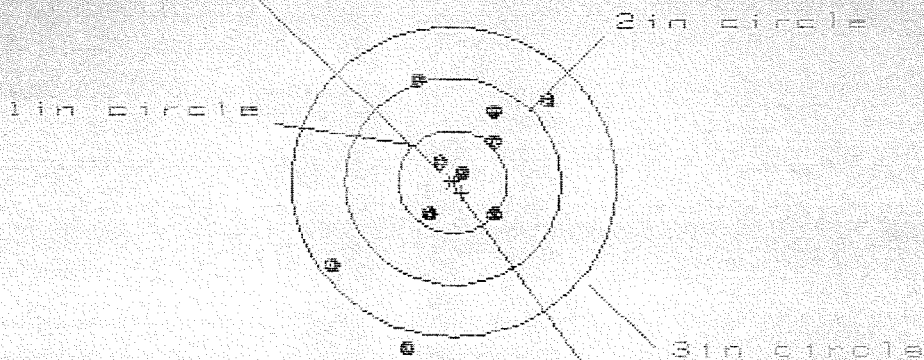
PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.194	1.049	.747
MINIMUM X	:	-1.308	-.481	-.356
MAXIMUM Y	:	1.108	.788	.681
MINIMUM Y	:	-.973	-.858	-.875
CENTROID X	:	-.089	.056	-.075
CENTROID Y	:	.012	-.111	-.005
POB TO CENTROID in.	:	.090	.124	.075
MIN RADIUS	:	.189	.086	.196
MEAN RADIUS	:	.743	.627	.521
MAX RADIUS	:	1.714	1.358	.889
HORIZONTAL SPREAD	:	2.502	1.538	1.097
VERTICAL SPREAD	:	2.081	1.638	1.556
EXTREME SPREAD	:	3.254	2.241	1.568
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		8	

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CENTERFIRE PATTERNS # 5

POA



OF SHOTS - 10

IN CIR

1 in = 4

2 in = 6

3 in = 9

HS = 1.932

VS = 2.618

GS = 2.738

CENTROID *

PATTERN #	5		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.846	.797	.655
MINIMUM X	-1.086	-1.135	-.467
MAXIMUM Y	.963	.779	.659
MINIMUM Y	-1.655	-.954	-.653
CENTROID X	-.080	-.031	.111
CENTROID Y	.110	.293	.413
POA TO CENTROID in.	.135	.295	.428
MIN RADIUS	.063	.108	.249
MEAN RADIUS	.770	.645	.537
MAX RADIUS	1.713	1.483	.808
HORIZONTAL SPREAD	1.932	1.932	1.122
VERTICAL SPREAD	2.618	1.733	1.312
EXTREME SPREAD	2.738	2.466	1.468
NUMBER IN ONE INCH CIRCLE =		4	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		9	