

C6649299

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



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

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

MODEL 700™ H24

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

SERIAL NO.
C6649299

ORDER NO.
5716

06

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



5716 C6649299

UPC



0 47700 25716 7

GFM

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6649299

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		7/24/91	KH
600	Proof		7/24/91	KH
607	Check Headspace		7/24/91	KH
610	Dis-assemble Gun		7/24/91	KH
612	Magnaflux Barrel Action		AUG 7 1991	KR
	Magnaflux Bolt		AUG 7 1991	KR
615	Rollmark Caliber		AUG 7 1991	DS
617	Drill and Tap Sight Holes		AUG 7 1991	FB
618	Polish Barrel		AUG 13 1991	WB
620	Apply Coatings (Barrel Action)		8-27-91	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		9/5/91	KH
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		9/5/91	KH
	C) Inspect Ejector Hole for Chamfer		9/5/91	KH
	D) Oil Firing Pin Ass'y		9/5/91	KH
	E) Adjust Trigger Pull to Min Setting and Stake		9/6/91	JP

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	7	7			9-7-91	DH
	G) Safety Off Force	2 1/4	2 1/2	2 1/2			9-7-91	DH
	H) Trigger Pull Test & Retainability						9/6/91	SH
	I) Firing Pin Indent	1.020	1.020	1.020			9-7-91	DH
	J) Assemble Stock						9/9/91	SH
	K) Assemble Swivel Studs						9/13/91	SH
	L) Attach Front and Rear Sight Assemblies						9/9/91	SH
	M) Iron Sight Alignment						9/9/91	SH
	N) Detach Front & Rear Sights & place in numbered container						9/9/91	SH
	O) Attach Scope to Rifle						9/9/91	SH
	P) Detach & Attach Scope 20 Times						9/9/91	SH
640	Gallery Target & Test						9-10-91	AF
	A) Time						"	AF
	B) Malfunctions						"	AF
	C) Pierced Primers						"	AF
	D) Optical Clarity of Scope						"	AF
645	Inspect for Live Ammo						9-10-91	AF
655	Final Inspection						9/13/91	SH
	A) Headspace							
	B) Trigger Pull	2.66	2.64	2.61	2.42	2.47	9-12-91	SH
	C) Function						9/13/91	SH
660	Pack						9-19-91	AF

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS
2.50# ± .50#
3.00# ± .75#
4.00# ± 1.00#

SERIAL NO. C-6649289

DATE 9-6-91

TESTER JM

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.42	2.51	2.44	2.66	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.50	2.23	2.51	2.64	
PULL #3	2.42	2.46	2.55	2.61	
PULL #4	2.47	2.42	2.48	2.42	
PULL #5	2.51	2.49	2.40	2.47	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.41	3.27		
PULL #2	3.39	3.46		
PULL #3	3.20	3.52		
PULL #4	3.59	3.57		
PULL #5	3.47	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	4.55	4.40	4.44	4.44
PULL #2	4.53	4.46	4.41	4.41
PULL #3	4.51	4.23	4.47	4.47
PULL #4	4.50	4.42		4.56
PULL #5	4.46	4.47		4.49
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6649299
11 Sep 1991

CENTROIDAL DISTANCES

0 TO 1	.1814
1 TO 2	.138293
1 TO 3	.381168
1 TO 4	.300093
1 TO 5	.174568

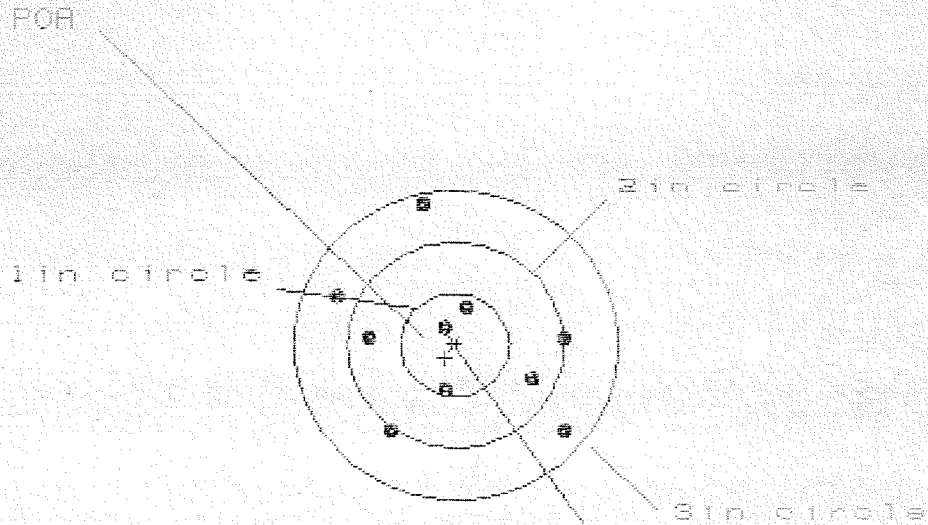
5
4.3 <----FOR

AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0964
AVERAGE X-COORDINATE FOR THIS RIFLE IS: .036
AVERAGE AVERAGE POI RADIUS FOR THIS RIFLE IS: .102903
AVERAGE POI RADIUS FOR THIS RIFLE IS: .85

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FILE:/PATTERNING/CENTERFIRE_PATT/06649299

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1in = 3

2in = 5

3in = 10

HS= 2.091

VS= 2.223

GS= 2.601

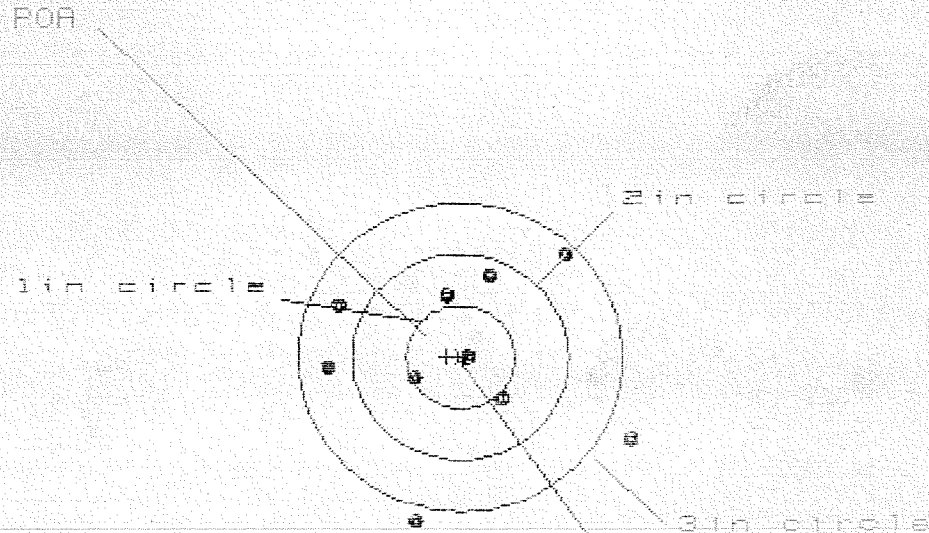
CENTROID *

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.037	1.002	1.105
MINIMUM X	:	-1.054	-1.089	-.964
MAXIMUM Y	:	1.354	.574	.404
MINIMUM Y	:	-.869	-.718	-.744
CENTROID X	:	.097	.132	.007
CENTROID Y	:	.129	-.022	.068
POA TO CENTROID in.	:	.161	.134	.068
MIN RADIUS	:	.187	.273	.234
MEAN RADIUS	:	.845	.785	.710
MAX RADIUS	:	1.390	1.233	1.109
HORIZONTAL SPREAD	:	2.091	2.091	2.069
VERTICAL SPREAD	:	2.223	1.292	1.228
LARGE SPREAD	:	2.601	2.458	2.107
NUMBER IN ONE INCH CIRCLE	=	3		
NUMBER IN TWO INCH CIRCLE	=	5		
NUMBER IN THREE INCH CIRCLE	=	10		

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CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 5

3 in = 8

HS= 2.870

VS= 2.576

GS= 3.011

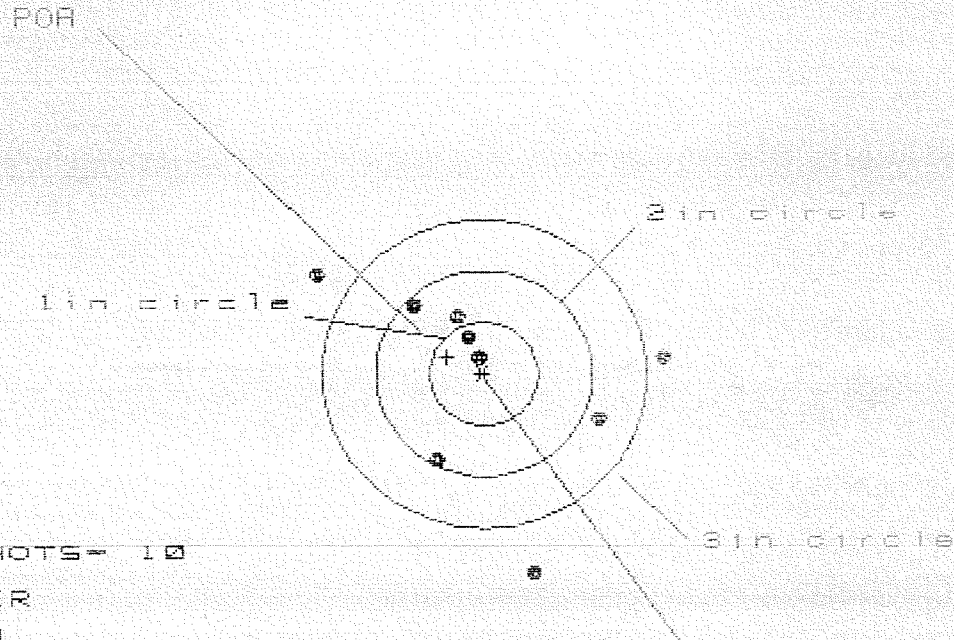
CENTROID X

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.594	1.142	1.109
MINIMUM X	:	-1.276	-1.099	-1.132
MAXIMUM Y	:	.980	.897	.687
MINIMUM Y	:	-1.596	-1.679	-.694
CENTROID X	:	.127	-.050	-.017
CENTROID Y	:	-.006	.077	.287
POA TO CENTROID in.	:	.127	.092	.287
MIN RADIUS	:	.053	.247	.361
MEAN RADIUS	:	.994	.904	.795
MAX RADIUS	:	1.761	1.700	1.304
HORIZONTAL SPREAD	:	2.870	2.241	2.241
VERTICAL SPREAD	:	2.576	2.576	1.381
EXTREME SPREAD	:	3.011	2.936	2.503
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

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CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1 in = 3

2 in = 6

3 in = 7

HS= 3.195

VS= 2.937

GS= 3.577

CENTROID #

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.628	1.681	1.492
MINIMUM X	:	-1.567	-1.514	-1.801
MAXIMUM Y	:	1.007	.793	.594
MINIMUM Y	:	-1.938	-1.045	-.946
CENTROID X	:	.342	.289	.478
CENTROID Y	:	-.163	.051	-.048
POA TO CENTROID in.	:	.379	.294	.481
MIN RADIUS	:	.165	.019	.196
MEAN RADIUS	:	.995	.809	.760
MAX RADIUS	:	1.987	1.709	1.492
HORIZONTAL SPREAD	:	3.195	3.195	2.293
VERTICAL SPREAD	:	2.937	1.838	1.540
EXTREME SPREAD	:	3.577	3.305	2.357
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		7	

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CENTERFIRE PATTERNS

4

POA

1 in circle

2 in circle

3 in circle

OF SHOTS= 10

IN CIR

1 in = 3

2 in = 7

3 in = 10

HS= 1.848

VS= 1.922

GS= 2.430

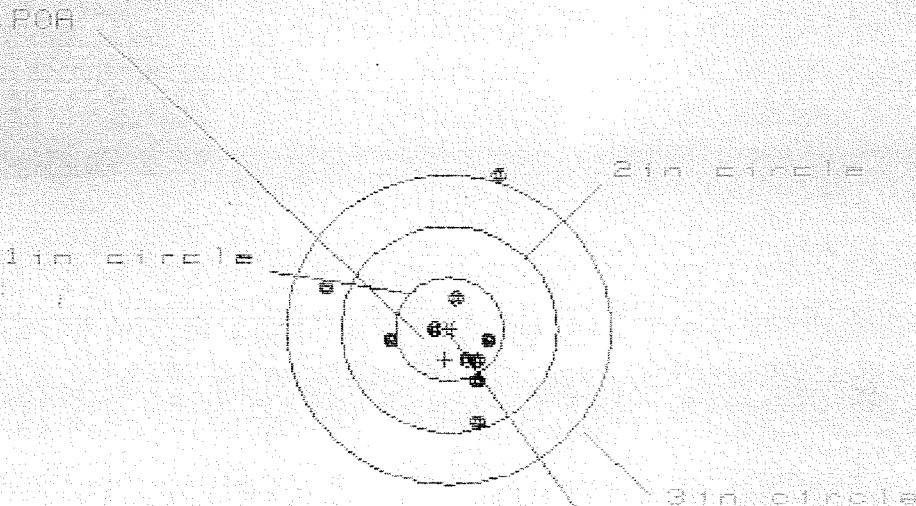
CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.891	.794	.800
MINIMUM X	:	-.957	-1.054	-1.048
MAXIMUM Y	:	.713	.599	.433
MINIMUM Y	:	-1.209	-1.323	-.754
CENTROID X	:	-.124	-.027	-.033
CENTROID Y	:	-.074	.040	.205
POA TO CENTROID in.	:	.144	.043	.208
MIN RADIUS	:	.159	.182	.160
MEAN RADIUS	:	.782	.696	.581
MAX RADIUS	:	1.345	1.324	1.073
HORIZONTAL SPREAD	:	1.848	1.848	1.848
VERTICAL SPREAD	:	1.922	1.922	1.187
EXTREME SPREAD	:	2.430	2.038	1.906
NUMBER IN ONE INCH CIRCLE =	:		3	
NUMBER IN TWO INCH CIRCLE =	:		7	
NUMBER IN THREE INCH CIRCLE =	:		10	

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CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1in = 5

2in = 8

3in = 9

HS= 1.582

VS= 2.377

GS= 2.384

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.488	.364	.364
MINIMUM X	:	-1.094	-1.040	-1.040
MAXIMUM Y	:	1.481	.562	.589
MINIMUM Y	:	-.896	-.731	-.661
CENTROID X	:	.040	-.014	.116
CENTROID Y	:	.294	.129	.059
POA TO CENTROID in.	:	.297	.130	.130
MIN RADIUS	:	.165	.161	.060
MEAN RADIUS	:	.634	.508	.387
MAX RADIUS	:	1.559	1.182	.699
HORIZONTAL SPREAD	:	1.582	1.404	.845
VERTICAL SPREAD	:	2.377	1.293	1.250
EXTREME SPREAD	:	2.384	1.904	1.279
NUMBER IN ONE INCH CIRCLE	=		5	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		9	