

C6649123

MODEL 700™ M24

Model **S&S**™

Action

Barrel Length

Capacity

Order No. **5715**

*Includes 1 in chamber.

Remington

Remington®

MODEL 700™ H24

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



5716 C6649123



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

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

SERIAL NO.	C6649123
ORDER NO.	5716

06

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6649123

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		6/26/91	KH
600	Proof		6/26/91	KH
607	Check Headspace		6/26/91	KH
610	Dis-assemble Gun		6/26/91	KH
612	Magnaflux Barrel Action		JUL 1 8 1991	CS
	Magnaflux Bolt		JUL 1 8 1991	CS
615	Rollmark Caliber		JUL 1 8 1991	CS
617	Drill and Tap Sight Holes		JUL 1 8 1991	LB
618	Polish Barrel		JUL 2 0 1991	WB
620	Apply Coatings (Barrel Action)		8-7-91	AD
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		8/29/91	KH
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/29/91	KH
	C) Inspect Ejector Hole for Chamfer		8/29/91	KH
	D) Oil Firing Pin Ass'y		8/29/91	KH
	E) Adjust Trigger Pull to Min Setting and Stake		9/14/91	GH

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4		4		4	9/4/91	JK
	G) Safety Off Force	2		2		2	9/4/91	JK
	H) Trigger Pull Test & Retainability						9/4/91	JK
	I) Firing Pin Indent	.0225		.0215		.022	9/4/91	JK
	J) Assemble Stock						9/4/91	JK
	K) Assemble Swivel Studs						9/12/91	JK
	L) Attach Front and Rear Sight Assemblies						9/4/91	JK
	M) Iron Sight Alignment						9/4/91	JK
	N) Detach Front & Rear Sights & place in numbered container						9/4/91	JK
	O) Attach Scope to Rifle						9/4/91	JK
	P) Detach & Attach Scope 20 Times						9/4/91	JK
640	Gallery Target & Test						9/5/91	KT
	A) Time						"	KT
	B) Malfunctions						"	KT
	C) Pierced Primers						"	KT
	D) Optical Clarity of Scope						"	KT
645	Inspect for Live Ammo						9/5/91	KT
655	Final Inspection							
	A) Headspace						9/12/91	JK
	B) Trigger Pull	2.56	2.54	2.68	2.70	2.78	9/6/91	JK
	C) Function						9/12/91	JK
660	Pack						9-15-91	JK

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

SERIAL NO. C-6649123DATE 9/4/91TESTER JLI

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.38	2.40	2.44	2.56	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.38	2.39	2.40	2.54	
PULL #3	2.40	2.44	2.39	2.68	
PULL #4	2.38	2.38	2.45	2.70	
PULL #5	2.32	2.42	2.41	2.70	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.58	3.53		
PULL #2	3.54	3.60		
PULL #3	3.57	3.54		
PULL #4	3.57	3.53		
PULL #5	3.40	3.56		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.30	4.31		4.37
PULL #2	4.32	4.36		4.42
PULL #3	4.31	4.38		4.36
PULL #4	4.31	4.36		4.30
PULL #5	4.30	4.34		4.44
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6649123
5 Sep 1991

CENTROIDAL DISTANCES

0 TO	1	.0939628
1 TO	2	.194139
1 TO	3	.209955
1 TO	4	.247032
1 TO	5	.0817068

38 (----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0344
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0954
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .191410
THE AMR FOR THIS RIFLE IS: .9732

FILE:/PATTERNING/CENTERFIRE_PATT/C6649123

CENTERFIRE PATTERNS # 5

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS- 10

IN CIR

1in = 2

2in = 6

3in = 6

HS= 2.915

VS= 2.978

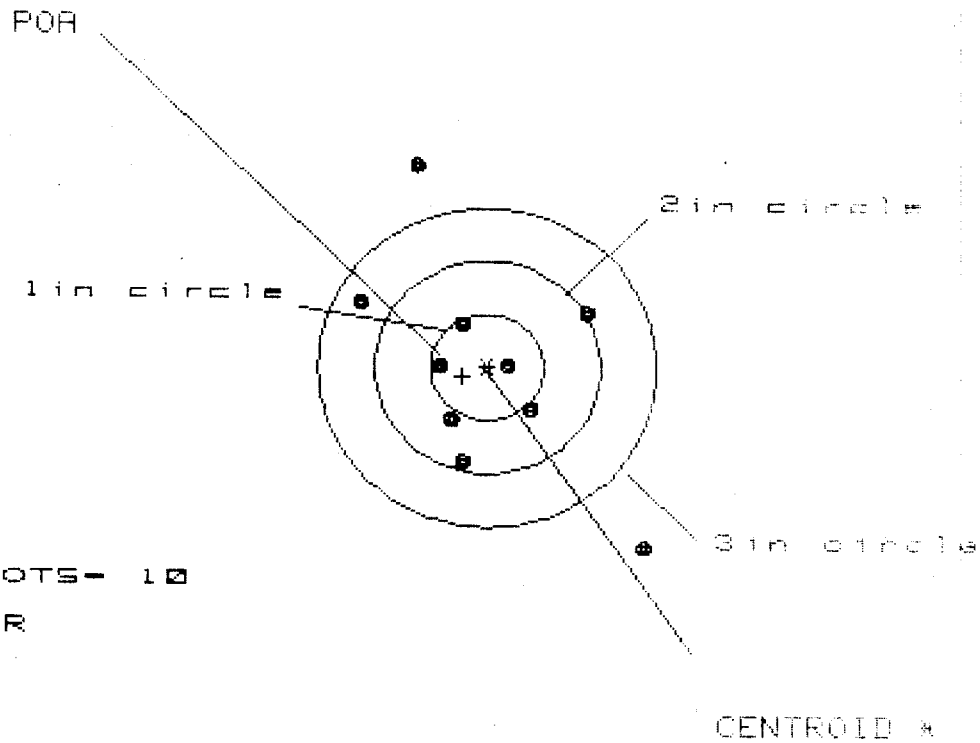
GS= 3.818

PATTERN #	:	5	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.549	1.456	.982
MINIMUM X	:	-1.366	-1.459	-1.277
MAXIMUM Y	:	1.165	.964	.770
MINIMUM Y	:	-1.813	-1.131	-1.011
CENTROID X	:	.049	.142	-.040
CENTROID Y	:	.120	.321	.201
POA TO CENTROID in.	:	.130	.351	.205
MIN RADIUS	:	.276	.430	.244
MEAN RADIUS	:	1.024	.917	.782
MAX RADIUS	:	1.998	1.746	1.361
HORIZONTAL SPREAD	:	2.915	2.915	2.260
VERTICAL SPREAD	:	2.978	2.095	1.781
EXTREME SPREAD	:	3.818	2.979	2.276
NUMBER IN ONE INCH CIRCLE	=	2		
NUMBER IN TWO INCH CIRCLE	=	6		
NUMBER IN THREE INCH CIRCLE	=	8		

FILE:/PATTERNING/CENTERFIRE_PATT/C6645123

CENTERFIRE PATTERNS

4



OF SHOTS- 10

IN CIR

1in = 4

2in = 6

3in = 8

HS= 2.515

VS= 3.573

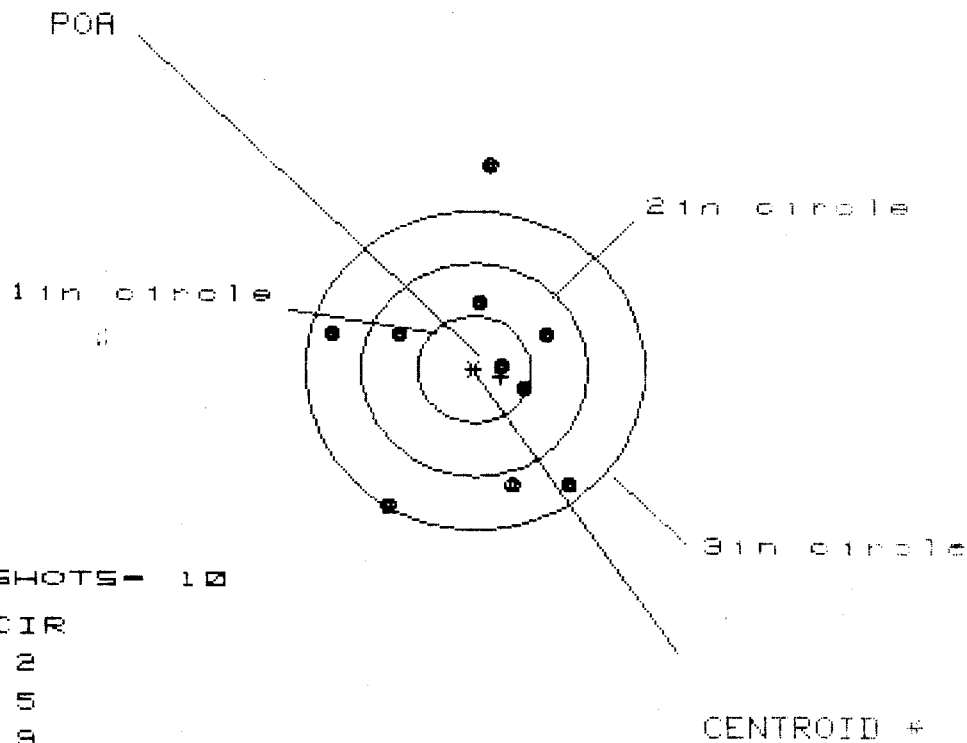
GS= 4.115

PATTERN #	:	1	2	3
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.394	1.057	.996
MINIMUM X	:	-1.121	-.966	-1.027
MAXIMUM Y	:	1.881	1.693	.604
MINIMUM Y	:	-1.692	-1.054	-.843
CENTROID X	:	.220	.065	.126
CENTROID Y	:	.086	.274	.063
POA TO CENTROID in.	:	.236	.282	.141
MIN RADIUS	:	.200	.233	.296
MEAN RADIUS	:	.945	.810	.656
MAX RADIUS	:	2.193	1.763	1.192
HORIZONTAL SPREAD	:	2.515	2.023	2.023
VERTICAL SPREAD	:	3.573	2.747	1.447
EXTREME SPREAD	:	4.115	2.782	2.026
NUMBER IN ONE INCH CIRCLE =	:	4		
NUMBER IN TWO INCH CIRCLE =	:	6		
NUMBER IN THREE INCH CIRCLE =	:	8		

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CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 2

2in = 5

3in = 8

HS= 2.137

VS= 3.161

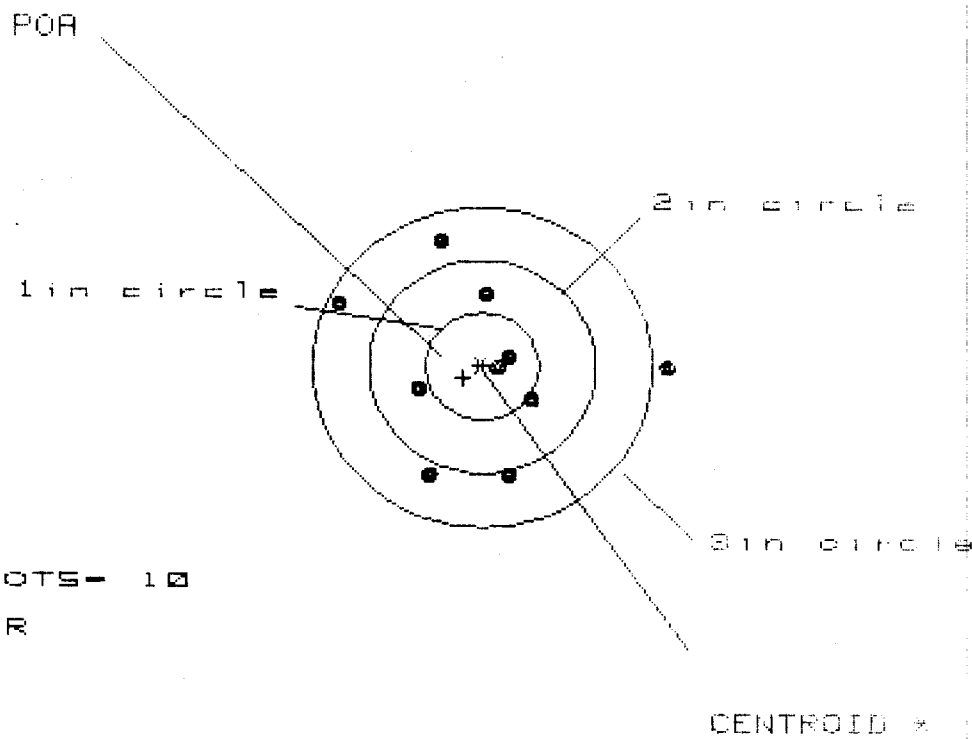
GS= 3.302

PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.844	.862	.765
MINIMUM X	:	-1.293	-1.275	-1.372
MAXIMUM Y	:	1.904	.854	.724
MINIMUM Y	:	-1.257	-1.046	-.961
CENTROID X	:	-.236	-.254	-.157
CENTROID Y	:	.070	-.141	-.011
POA TO CENTROID in.	:	.246	.290	.157
MIN RADIUS	:	.201	.296	.140
MEAN RADIUS	:	.988	.893	.797
MAX RADIUS	:	1.911	1.381	1.429
HORIZONTAL SPREAD	:	2.137	2.137	2.137
VERTICAL SPREAD	:	3.161	1.900	1.685
EXTREME SPREAD	:	3.302	2.534	2.534
NUMBER IN ONE INCH CIRCLE =	:	2		
NUMBER IN TWO INCH CIRCLE =	:	5		
NUMBER IN THREE INCH CIRCLE =	:	9		

JAN 1981

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CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in - 2

2 in - 5

3 in = 3

HS- 2.899

VS= 2.188

GS= 2.963

CENTROID *

PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.638	.585	.450
MINIMUM X	:	-1.261	-1.079	-.522
MAXIMUM Y	:	1.168	1.170	1.248
MINIMUM Y	:	-1.020	-1.018	-.940
CENTROID X	:	.166	-.016	.118
CENTROID Y	:	.111	.109	.031
POA TO CENTROID in.	:	.199	.110	.122
MIN RADIUS	:	.115	.297	.185
MEAN RADIUS	:	.863	.793	.706
MAX RADIUS	:	1.638	1.247	1.286
HORIZONTAL SPREAD	:	2.899	1.664	.972
VERTICAL SPREAD	:	2.188	2.188	2.188
EXTREME SPREAD	:	2.963	2.270	2.270
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

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FILE: PATTERNING/CENTERFIRE_PATT/C8649123

CENTERFIRE PATTERNS # 1

POA

1in circle

2in circle

3in circle

CENTROID #

OF SHOTS- 10

IN CIR

1in = 2

2in = 5

3in = 7

HS= 3.418

VS= 2.626

GS= 3.903

PATTERN #	:	1	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.782	1.600	1.157
MINIMUM X	:	-1.636	-1.366	-1.165
MAXIMUM Y	:	1.608	.789	.777
MINIMUM Y	:	-1.018	-.840	-.852
CENTROID X	:	-.027	.155	-.045
CENTROID Y	:	.090	-.088	-.076
POA TO CENTROID in.	:	.094	.178	.069
MIN RADIUS	:	.123	.134	.074
MEAN RADIUS	:	1.046	.925	.894
MAX RADIUS	:	2.294	1.603	1.544
HORIZONTAL SPREAD	:	3.418	2.966	2.711
VERTICAL SPREAD	:	2.626	1.629	1.629
EXTREME SPREAD	:	3.903	3.057	2.706
NUMBER IN ONE INCH CIRCLE	=	2		
NUMBER IN TWO INCH CIRCLE	=	5		
NUMBER IN THREE INCH CIRCLE	=	7		