

06648950

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



Remington®

MODEL 700™ M24

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

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

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

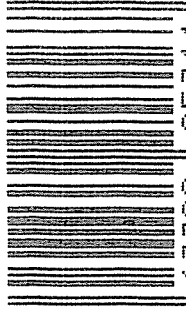
DUPONT

SERIAL NO. C6648950	20
ORDER NO. 5716	



5716 C6648950

LPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6648950

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	7 2 9 1		RW
600	Proof	7 2 9 1		RW
607	Check Headspace	7 2 9 1		RW
610	Dis-assemble Gun	7 2 9 1		RW
612	Magnaflux Barrel Action		JUL 22 1991	JS
	Magnaflux Bolt		JUL 22 1991	JS
615	Rollmark Caliber		JUL 22 1991	JS
617	Drill and Tap Sight Holes		JUL 22 1991	LB
618	Polish Barrel		7/22/91	WB
620	Apply Coatings (Barrel Action)		7-2-91	JS
	Apply Coating (Bolt)		7-2-91	JS
625	Final Assembly A) Clean inside of Bolt Assembly		8/9/91	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/9/91	RW
	C) Inspect Ejector Hole for Chamfer		8/9/91	RW
	D) Oil Firing Pin Ass'y		8/9/91	RW
	E) Adjust Trigger Pull to Min Setting and Stake		8/16/91	WB

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5 $\frac{1}{4}$	5			8-16-91	DH
	G) Safety Off Force	2	2	2 $\frac{1}{2}$			8-16-91	DH
	H) Trigger Pull Test & Retainability						8/16/91	W.B
	I) Firing Pin Indent	.020	.020	.020			8-16-91	DH
	J) Assemble Stock						8/19/91	RW
	K) Assemble Swivel Studs						8/22/91	SH
	L) Attach Front and Rear Sight Assemblies						8/19/91	RW
	M) Iron Sight Alignment						8/19/91	RW
	N) Detach Front & Rear Sights & place in numbered container						8/19/91	RW
	O) Attach Scope to Rifle						8/19/91	RW
	P) Detach & Attach Scope 20 Times						8/19/91	RW
640	Gallery Target & Test						8-19-91	AC
	A) Time						8-19-91	AC
	B) Malfunctions						8-19-91	AC
	C) Pierced Primers						8-19-91	AC
	D) Optical Clarity of Scope						8-19-91	AC
645	Inspect for Live Ammo						8-17-91	AC
655	Final Inspection							
	A) Headspace						8/22/91	SH
	B) Trigger Pull	2.46	2.50	2.61	2.69	2.54	8-20-91	DH
	C) Function						8/22/91	SH
660	Pack						8-17-91	DH

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6648950

DATE 8/16/91

TESTER WB

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.34	2.20	2.34	2.46	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.31	2.29	2.32	2.50	
PULL #3	2.32	2.25	2.32	2.61	
PULL #4	2.32	2.25	2.27	2.69	
PULL #5	2.31	2.25	2.27	2.54	
TOTAL	11.60	11.24	11.52		
AVG.	2.32	2.25	2.30		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.10	3.14		
PULL #2	3.08	3.12		
PULL #3	3.07	3.07		
PULL #4	3.03	3.01		
PULL #5	3.12	3.13		
TOTAL	15.40	15.47		
AVG.	3.08	3.09		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.02	3.96		4.16
PULL #2	4.01	3.85		4.20
PULL #3	4.01	3.93		4.16
PULL #4	3.95	3.92		4.10
PULL #5	3.95	3.90		4.18
TOTAL	19.94	19.56		20.80
AVG.	3.99	3.91		4.16

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6648950
23 Aug 1991

CENTROIDAL DISTANCES

0 TO	1	.221009
1 TO	2	.312656
1 TO	3	.299933
1 TO	4	.301378
1 TO	5	.0620322

98 (-----POA

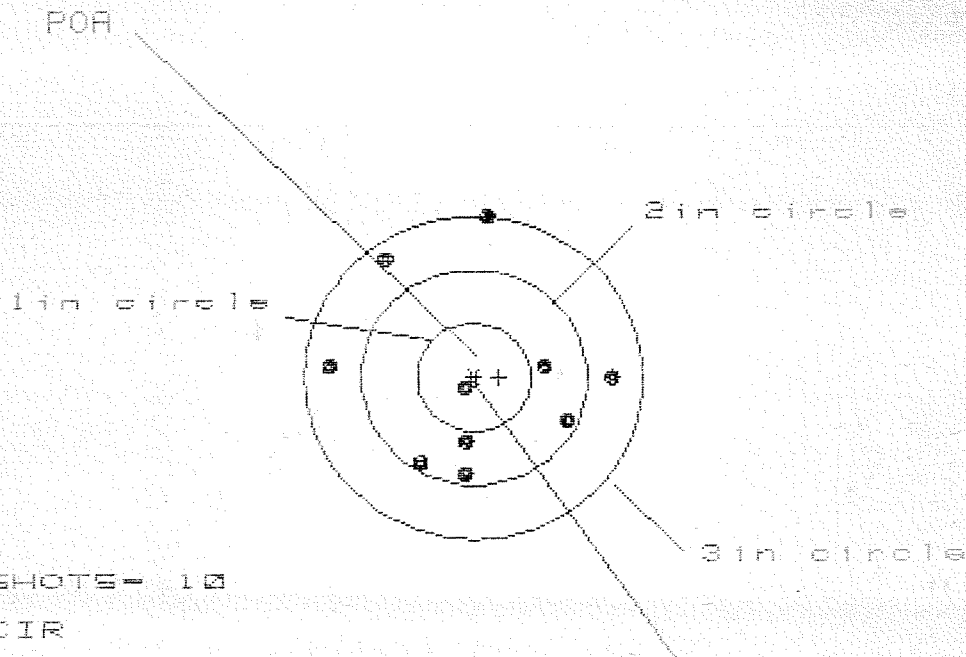
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0508
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0448
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0677324
THE AMR FOR THIS RIFLE IS: .918

23 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08648950

CENTERFIRE PATTERNS

1



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 6

3 in = 10

HS= 2.467

VS= 2.349

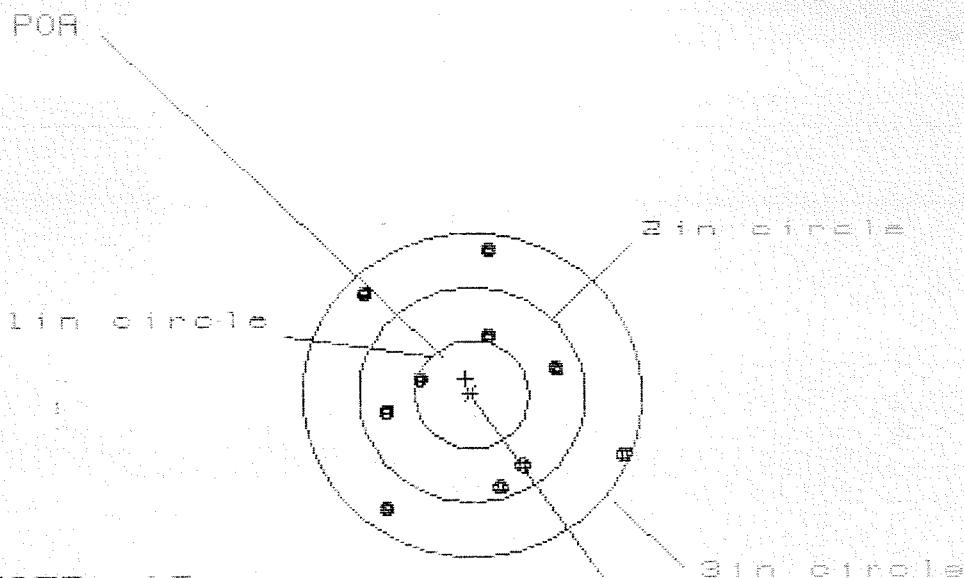
GS= 2.468

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.214	1.229	1.140
MINIMUM X	-1.253	-1.238	-1.327
MAXIMUM Y	1.453	1.242	.416
MINIMUM Y	-.896	-.735	-.580
CENTROID X	-.221	-.236	-.147
CENTROID Y	-.002	-.163	-.318
POA TO CENTROID in.	.221	.287	.350
MIN RADIUS	.167	.113	.278
MEAN RADIUS	.928	.832	.734
MAX RADIUS	1.459	1.435	1.388
HORIZONTAL SPREAD	2.467	2.467	2.467
VERTICAL SPREAD	2.349	1.977	.996
EXTREME SPREAD	2.468	2.468	2.468
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	10		

23 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C864B950

CENTERFIRE PATTERNS # 2



OF SHOTS = 10

IN CIR

1in = 0

2in = 6

3in = 10

HS = 2.222

VS = 2.347

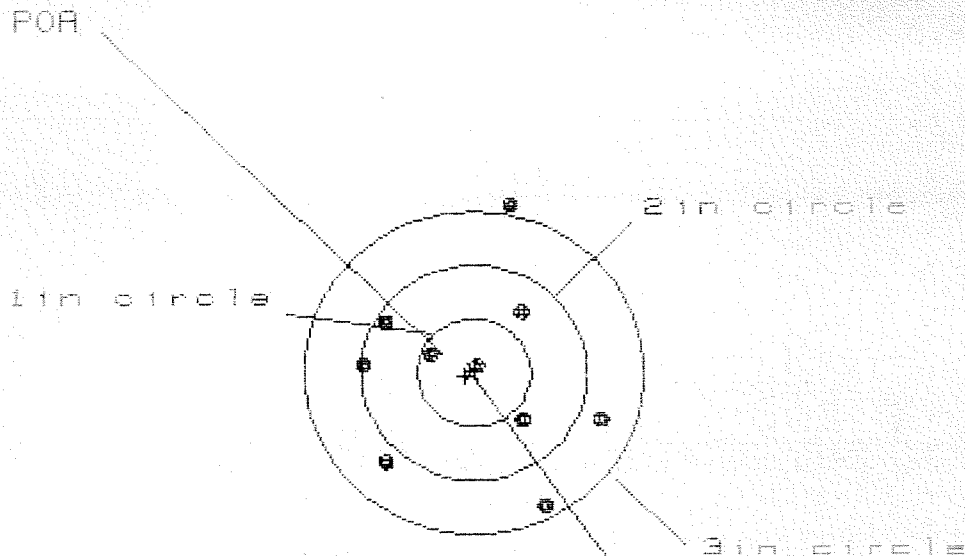
GS = 2.698

PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.304	.856	.759
MINIMUM X	-.918	-.773	-.707
MAXIMUM Y	1.305	1.242	1.354
MINIMUM Y	-1.042	-1.105	-.993
CENTROID X	.056	-.089	.008
CENTROID Y	-.147	-.084	-.196
POA TO CENTROID in.	.158	.122	.197
MIN RADIUS	.503	.345	.481
MEAN RADIUS	.958	.891	.851
MAX RADIUS	1.422	1.275	1.368
HORIZONTAL SPREAD	2.222	1.629	1.466
VERTICAL SPREAD	2.347	2.347	2.347
EXTREME SPREAD	2.698	2.513	2.513
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	10		

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CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1in = 2

2in = 5

3in = 8

HS= 2.157

VS= 2.838

GS= 2.852

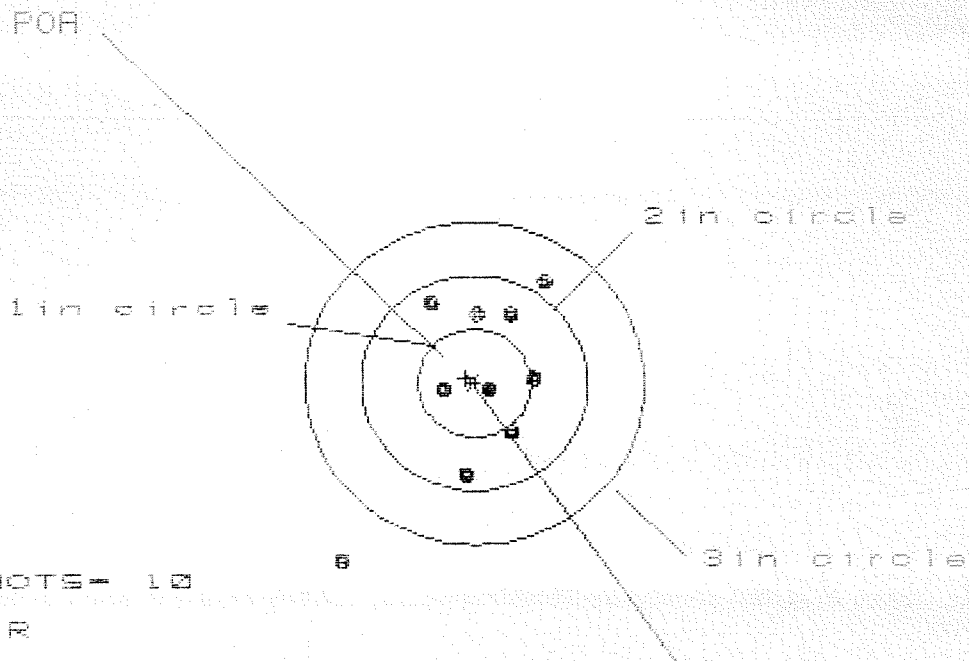
PATTERN #	3	3	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.137	1.173	1.253
MINIMUM X	-1.020	-0.984	-0.904
MAXIMUM Y	1.601	1.773	1.640
MINIMUM Y	-1.237	-1.059	-0.772
CENTROID X	0.077	0.041	-0.039
CENTROID Y	0.032	-0.146	-0.013
POA TO CENTROID in.	0.084	0.151	0.041
MIN RADIUS	0.090	0.268	0.203
MEAN RADIUS	0.915	0.846	0.769
MAX RADIUS	1.634	1.239	1.320
HORIZONTAL SPREAD	2.157	2.157	2.157
VERTICAL SPREAD	2.838	1.832	1.412
EXTREME SPREAD	2.852	2.210	2.210
NUMBER IN ONE INCH CIRCLE	=	2	
NUMBER IN TWO INCH CIRCLE	=	5	
NUMBER IN THREE INCH CIRCLE	=	9	

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CENTERFIRE PATTERNS

4



OF SHOTS- 10

IN CIR

1in = 2

2in = 8

3in = 9

CENTROID #

HS= 1.768

VS= 2.591

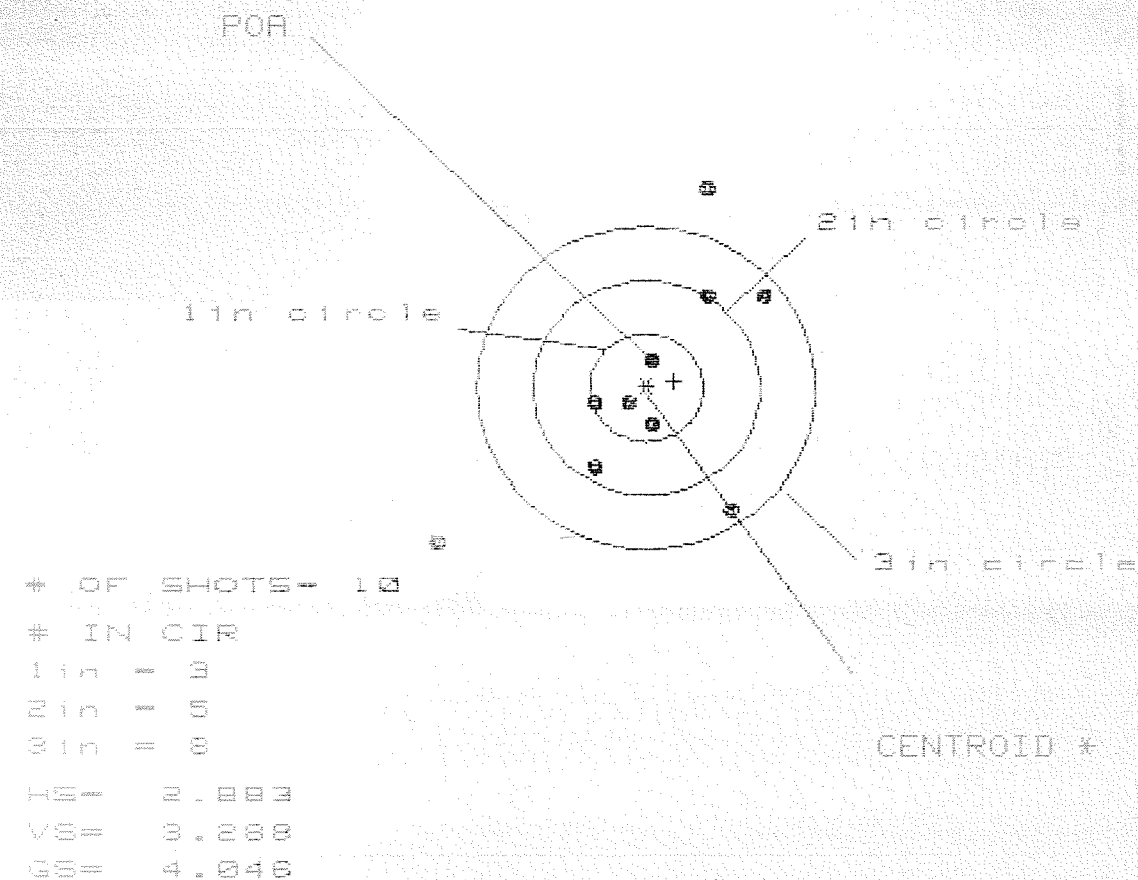
GS= 3.137

PATTERN #	4	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.636	.510	.483
MINIMUM X	-1.132	-.479	-.415
MAXIMUM Y	.942	.759	.636
MINIMUM Y	-1.649	-1.039	-.945
CENTROID X	.077	.203	.139
CENTROID Y	-.047	.136	.042
POA TO CENTROID in.	.090	.245	.145
MIN RADIUS	.119	.221	.135
MEAN RADIUS	.769	.614	.564
MAX RADIUS	2.000	1.065	.959
HORIZONTAL SPREAD	1.768	.989	.898
VERTICAL SPREAD	2.591	1.798	1.580
EXTREME SPREAD	3.137	1.945	1.599
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	8		
NUMBER IN THREE INCH CIRCLE =	9		

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CENTERFIRE PATTERNS # 5



PATTERN #

5

SHOTS (BEST OF)

10

9

8

MAXIMUM X	1.049	.846	.886
MINIMUM X	-1.834	-.702	-.662
MAXIMUM Y	1.831	1.670	.954
MINIMUM Y	-1.457	-1.273	-1.065
CENTROID X	-.243	-.040	-.080
CENTROID Y	-.060	.101	-.107
POA TO CENTROID in.	.251	.109	.134
MIN RADIUS	.199	.223	.279
MEAN RADIUS	1.020	.896	.760
MAX RADIUS	2.342	1.700	1.270
HORIZONTAL SPREAD	2.883	1.548	1.548
VERTICAL SPREAD	3.288	2.943	2.019
EXTREME SPREAD	4.046	2.950	2.209
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		8	