

C6522226

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6522226

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	QUALITY AUDIT	6 29 90	RW
600	Proof		6 29 90	RW
607	Check Headspace		6 29 90	RW
610	Dis-assemble Gun		6 29 90	RW
612	Magnaflux Barrel Action		7-12-90	KR
	Magnaflux Bolt		7-12-90	KR
615	Rollmark Caliber		7-12-90	LS.
617	Drill and Tap Sight Holes		7/13/90	FB
618	Polish Barrel RB		7/16/90	WB
620	Apply Coatings (Barrel Action)		7-23-90	HA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		7/25/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		7/25/90	RW
	C) Inspect Ejector Hole for Chamfer		7/25/90	RW
	D) Oil Firing Pin Ass'y		7/25/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		8/17/90	JL

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4	4	4			8/9/90	SL
	G) Safety Off Force	3	3	3			8/9/90	SL
	H) Trigger Pull Test & Retainability						8/17/90	SL
	I) Firing Pin Indent	.022	.022	.022			8/9/90	SL
	J) Assemble Stock						8/20/90	RW
	K) Assemble Swivel Studs						8/20/90	Q2
	L) Attach Front and Rear Sight Assemblies						8/20/90	RW
	M) Iron Sight Alignment						8/20/90	RW
	N) Detach Front & Rear Sights & place in numbered container						8/20/90	RW
	O) Attach Scope to Rifle						8/20/90	RW
	P) Detach & Attach Scope 20 Times						8/20/90	RW
640	Gallery Target & Test						8/20/90	SL
	A) Time						8/20/90	SL
	B) Malfunctions						8/20/90	SL
	C) Pierced Primers						8/20/90	SL
	D) Optical Clarity of Scope						8/20/90	SL
645	Inspect for Live Ammo						8/20/90	SL
655	Final Inspection						8/20/90	Q2
	A) Headspace						8/20/90	Q2
	B) Trigger Pull	242	246	250	249	248	8/21/90	SL
	C) Function						8/21/90	Q2
660	Pack						9/20/90	LF

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

SERIAL NO. C6522226DATE 8/12/90TESTER JR

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.30	2.29	2.43	2.42	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.31	2.23	2.40	2.46	
PULL #3	2.32	2.17	2.27	2.50	
PULL #4	2.33	2.25	2.35	2.49	
PULL #5	2.17	2.27	2.38	2.48	
TOTAL	11.43	11.21	11.83	12.35	
AVG.	2.286	2.242	2.366	2.47	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.29	3.24		
PULL #2	3.25	3.27		
PULL #3	3.25	3.23		
PULL #4	3.25	3.26		
PULL #5	3.29	3.29		
TOTAL	16.33	16.29		
AVG.	3.266	3.258		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.16	4.10		4.21
PULL #2	4.18	4.15		4.31
PULL #3	4.15	4.20		4.32
PULL #4	4.19	4.31		4.29
PULL #5	4.11	4.23		4.27
TOTAL	20.79	20.99		21.40
AVG.	4.158	4.198		4.28

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6522226
21 Aug 1990

CENTROIDAL DISTANCES

0 TO	1	.156589
1 TO	2	.411491
1 TO	3	.22655
1 TO	4	.117004
1 TO	5	.080604

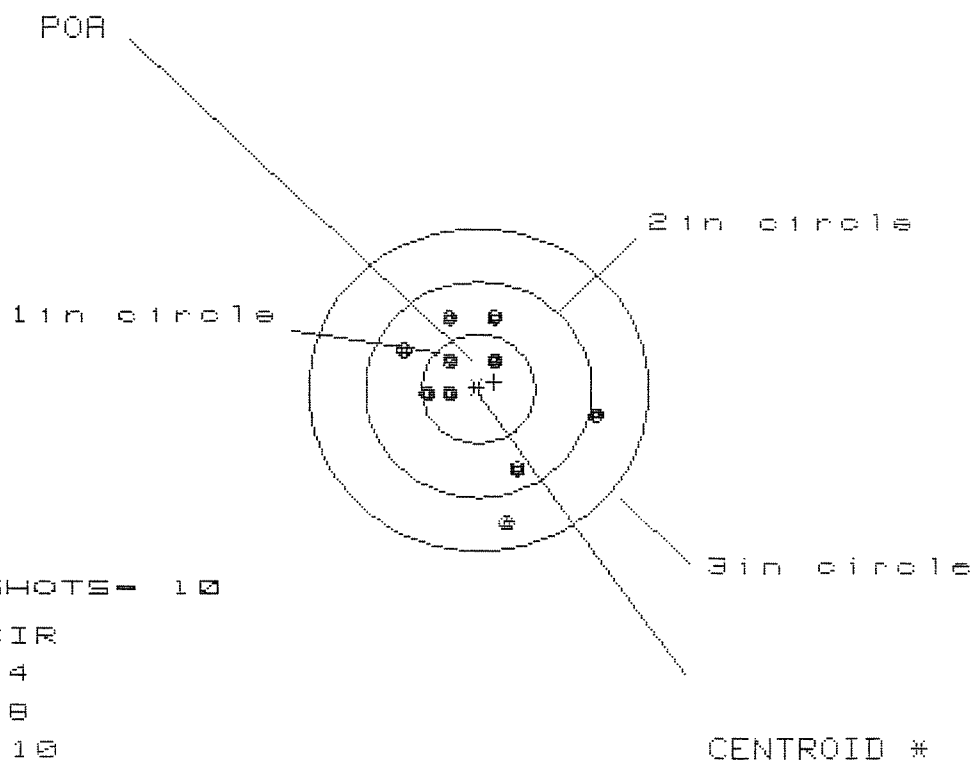
~~302~~ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.1004
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0342
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .106065
THE AMR FOR THIS RIFLE IS: .87

28 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6522226.1

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 4

2in = 8

3in = 10

HS= 1.528

VS= 1.908

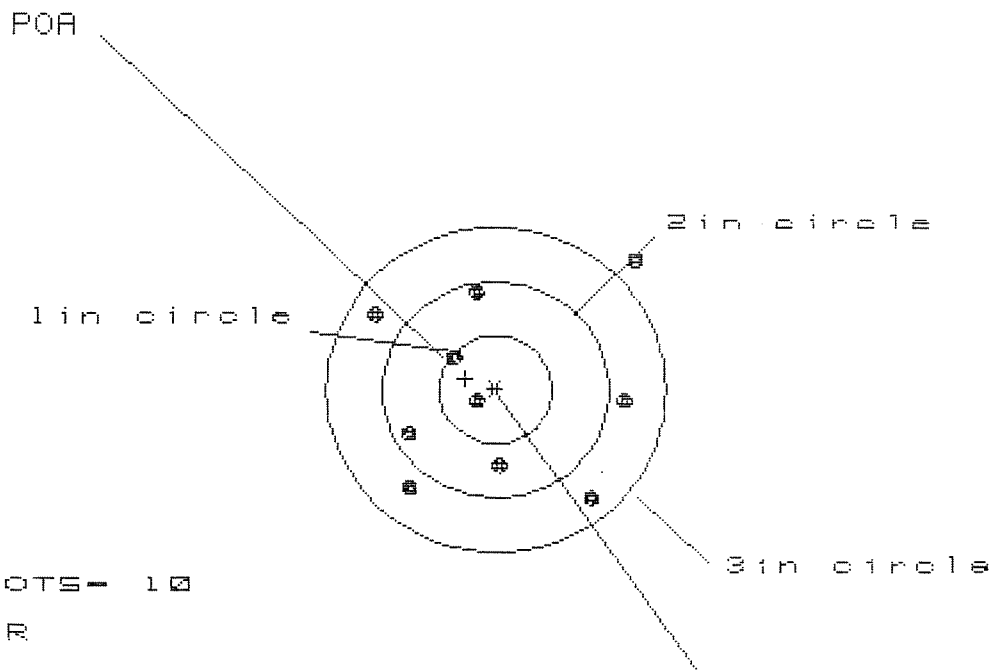
GS= 1.972

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.004	1.029	.502
MINIMUM X	:	-.624	-.599	-.471
MAXIMUM Y	:	.642	.502	.461
MINIMUM Y	:	-1.265	-.832	-.873
CENTROID X	:	-.142	-.167	-.295
CENTROID Y	:	-.066	.075	.116
POA TO CENTROID in.	:	.157	.183	.317
MIN RADIUS	:	.256	.186	.142
MEAN RADIUS	:	.656	.549	.448
MAX RADIUS	:	1.284	1.079	1.007
HORIZONTAL SPREAD	:	1.628	1.628	.973
VERTICAL SPREAD	:	1.908	1.334	1.334
EXTREME SPREAD	:	1.972	1.727	1.476
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		10	

28 Aug 1998

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CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 2

2in = 5

3in = 8

HS= 2.354

VS= 2.201

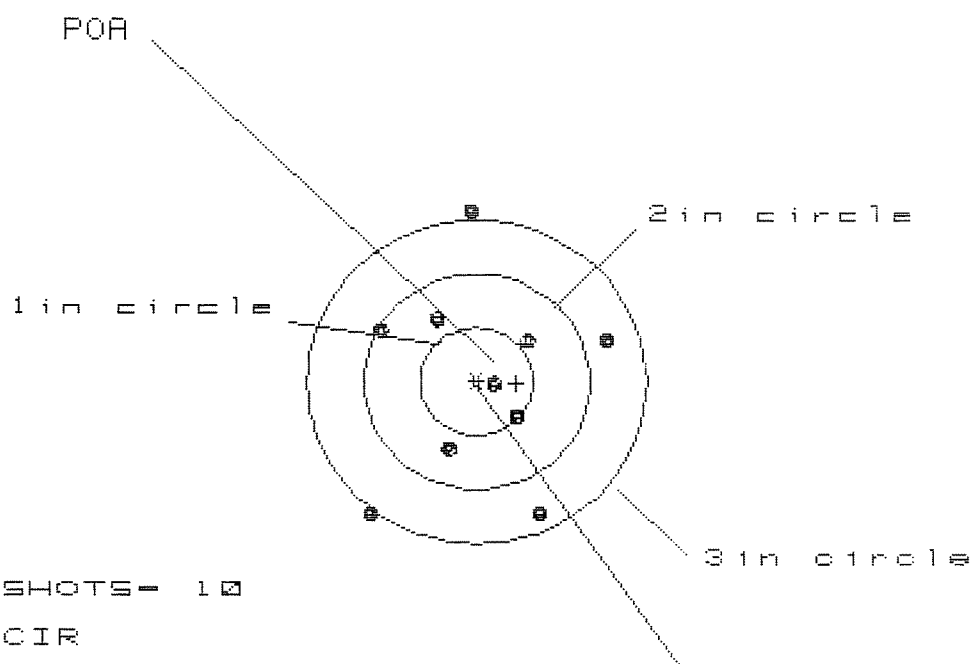
GS= 2.941

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.260	1.319	1.443
MINIMUM X	:	-1.094	-.954	-.830
MAXIMUM Y	:	1.226	1.082	.977
MINIMUM Y	:	-.975	-.839	-.832
CENTROID X	:	.268	.128	.004
CENTROID Y	:	-.101	-.237	-.132
POA TO CENTROID in.	:	.286	.269	.132
MIN RADIUS	:	.191	.088	.086
MEAN RADIUS	:	.984	.860	.783
MAX RADIUS	:	1.758	1.319	1.445
HORIZONTAL SPREAD	:	2.354	2.273	2.273
VERTICAL SPREAD	:	2.201	1.921	1.809
EXTREME SPREAD	:	2.941	2.532	2.399
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

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CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 5

3 in = 8

HS= 2.112

VS= 2.831

GS= 2.968

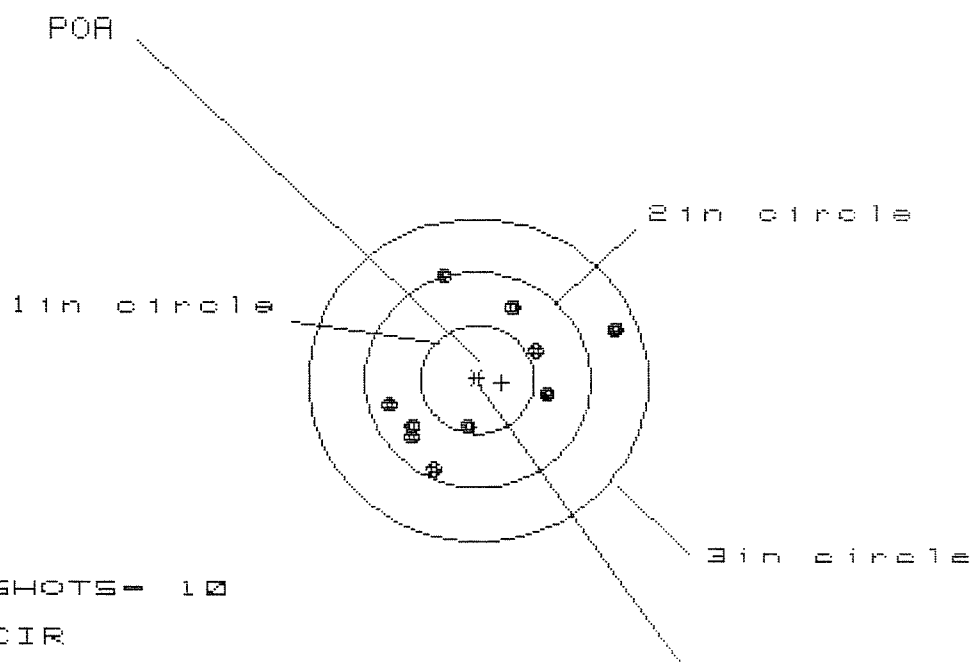
CENTROID *

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.127	1.117	.992
MINIMUM X	:	-.985	-.995	-1.029
MAXIMUM Y	:	1.621	.775	.646
MINIMUM Y	:	-1.210	-1.029	-1.132
CENTROID X	:	-.352	-.342	-.217
CENTROID Y	:	.019	-.162	-.033
POA TO CENTROID in.	:	.353	.378	.220
MIN RADIUS	:	.159	.199	.021
MEAN RADIUS	:	.927	.841	.731
MAX RADIUS	:	1.624	1.432	1.199
HORIZONTAL SPREAD	:	2.112	2.112	2.021
VERTICAL SPREAD	:	2.831	1.804	1.778
EXTREME SPREAD	:	2.968	2.660	2.176
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

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CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in = 1

2in = 8

3in = 10

HS= 1.980

VS= 1.765

GS= 2.093

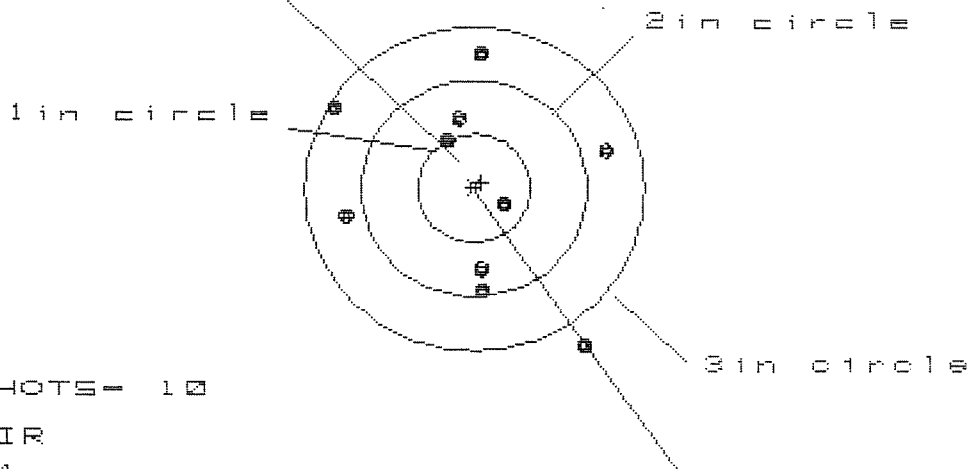
PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.228	.793	.778
MINIMUM X	:	-.752	-.616	-.631
MAXIMUM Y	:	.985	1.034	.819
MINIMUM Y	:	-.780	-.731	-.602
CENTROID X	:	-.213	-.350	-.335
CENTROID Y	:	.027	-.022	-.151
POA TO CENTROID in.	:	.215	.351	.368
MIN RADIUS	:	.384	.337	.208
MEAN RADIUS	:	.783	.708	.638
MAX RADIUS	:	1.304	1.040	.912
HORIZONTAL SPREAD	:	1.980	1.409	1.409
VERTICAL SPREAD	:	1.765	1.765	1.421
EXTREME SPREAD	:	2.093	1.773	1.583
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	8		
NUMBER IN THREE INCH CIRCLE	=	10		

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CENTERFIRE PATTERNS # 5

POR



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 5

3 in = 8

HS= 2.394

VS= 2.697

GS= 3.083

CENTROID *

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.188	1.300	1.163
MINIMUM X	:	-1.206	-1.094	-1.141
MAXIMUM Y	:	1.267	1.108	1.179
MINIMUM Y	:	-1.430	-1.135	-1.065
CENTROID X	:	-.063	-.175	-.038
CENTROID Y	:	-.050	.109	.039
POR TO CENTROID in.	:	.081	.206	.054
MIN RADIUS	:	.298	.315	.319
MEAN RADIUS	:	1.000	.899	.850
MAX RADIUS	:	1.748	1.319	1.199
HORIZONTAL SPREAD	:	2.394	2.394	2.304
VERTICAL SPREAD	:	2.697	2.243	2.243
EXTREME SPREAD	:	3.083	2.418	2.381
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

Remington®

MODEL 700™ H24

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

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

SERIAL NO.
C6522226

ORDER NO.
5716

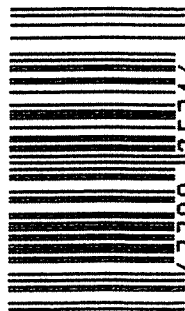
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5716 C6522226

UPC



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