

CS611805

MODEL 700™ M24

Model SMS™

Action

Barrel Length

Capacity

Order No. 5715

*Includes 1 in chamber.

Remington

Remington[®]

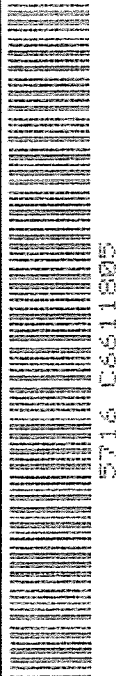
MODEL 700™ H24

MADE IN U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.

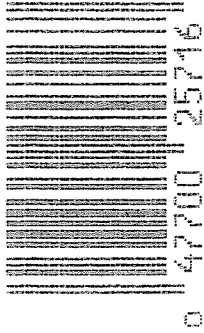
VERY IMPORTANT: Instruction Book enclosed to assure safe use of this firearm.

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

SERIAL NO. C6611805	ORDER NO. 5716
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LPC



GFA

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6611805

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		1/22/91	KS
600	Proof		1/22/91	KS
607	Check Headspace		1/22/91	KS
610	Dis-assemble Gun		1/22/91	KS
612	Magnaflux Barrel Action		1/24/91	KR
	Magnaflux Bolt		"	KR
615	Rollmark Caliber		"	LS
617	Drill and Tap Sight Holes	2	2 9 1	FB
618	Polish Barrel <i>ABB</i>	2 2	9 1	WB
620	Apply Coatings (Barrel Action)		2-11-91	TH
	Apply Coating (Bolt)			
625	Final Assembly		2/18/91	KA
	A) Clean inside of Bolt Assembly			
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		2/18/91	KA
	C) Inspect Ejector Hole for Chamfer		2/18/91	KA
	D) Oil Firing Pin Ass'y		2/18/91	KA
	E) Adjust Trigger Pull to Min Setting and Stake		2/19/91	JA

op. #	NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4	4	4			2/19/91	WB
	G) Safety Off Force	2 1/2	2 1/2	2 1/2			2/19/91	WB
	H) Trigger Pull Test & Retainability						2/19/91	WB
	I) Firing Pin Indent	.0202	.021	.0205			2/19/91	WB
	J) Assemble Stock						2/19/91	KA
	K) Assemble Swivel Studs						2-22-91	A
	L) Attach Front and Rear Sight Assemblies						2/19/91	KA
	M) Iron Sight Alignment						2/19/91	KA
	N) Detach Front & Rear Sights & place in numbered container						2/19/91	KA
	O) Attach Scope to Rifle						2/19/91	KA
	P) Detach & Attach Scope 20 Times						2/19/91	KA
640	Gallery Target & Test						2/20/91	12
	A) Time							12
	B) Malfunctions							12
	C) Pierced Primers							12
	D) Optical Clarity of Scope							12
645	Inspect for Live Ammo						2/20/91	12
655	Final Inspection							
	A) Headspace						2-22-91	A
	B) Trigger Pull	2.65	2.60	2.68	2.54	2.47	2/21/91	WB
	C) Function						2-22-91	AC
660	Pack						3-18-91	VF

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. 06611805

DATE 2/19/91

TESTER JPL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.30	2.28	2.31	2.65	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.30	2.22	2.30	2.60	
PULL #3	2.28	2.27	2.29	2.68	
PULL #4	2.26	2.30	2.29	2.54	
PULL #5	2.27	2.31	2.30	2.47	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.22	3.36		
PULL #2	3.47	3.32		
PULL #3	3.55	3.26		
PULL #4	3.33	3.36		
PULL #5	3.32	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	4.34	4.14		4.30
PULL #2	4.11	4.32		4.26
PULL #3	4.23	4.38		4.34
PULL #4	4.26	4.41		4.28
PULL #5	4.37	4.25		4.19
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6611805
21 Feb 1991

CENTROIDAL DISTANCES

0 TO	1	.120441
1 TO	2	.297249
1 TO	3	.507204
1 TO	4	.236326
1 TO	5	.0884816

^a
62 <----POA

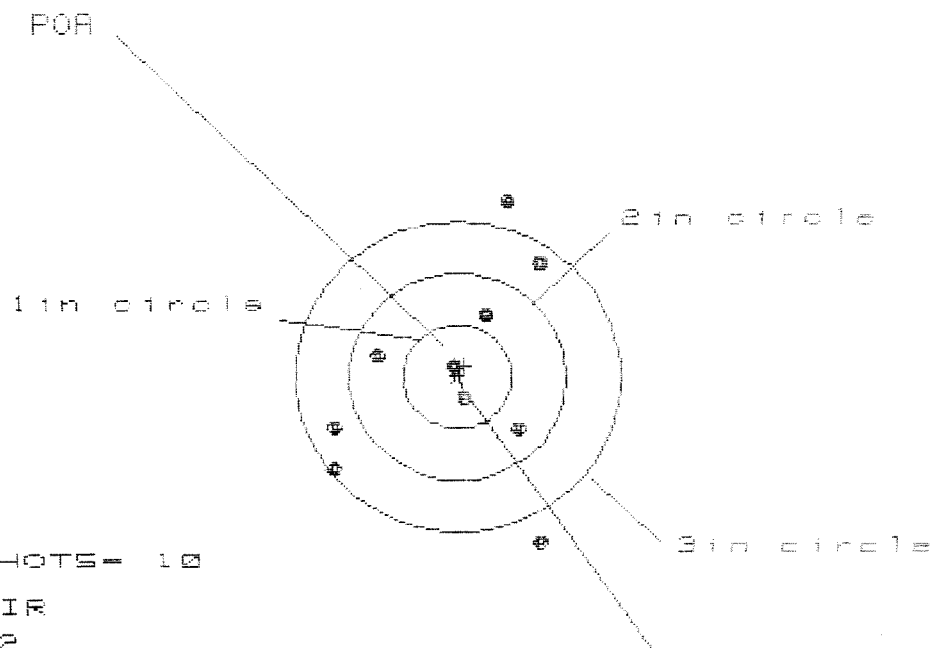
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.004
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0136
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .014176
THE AMR FOR THIS RIFLE IS: .946

28 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08811885

CENTERFIRE PATTERNS

1



OF SHOTS = 10

IN CIR

1in = 2

2in = 5

3in = 8

HS = 1.9000

VS = 3.295

GS = 3.307

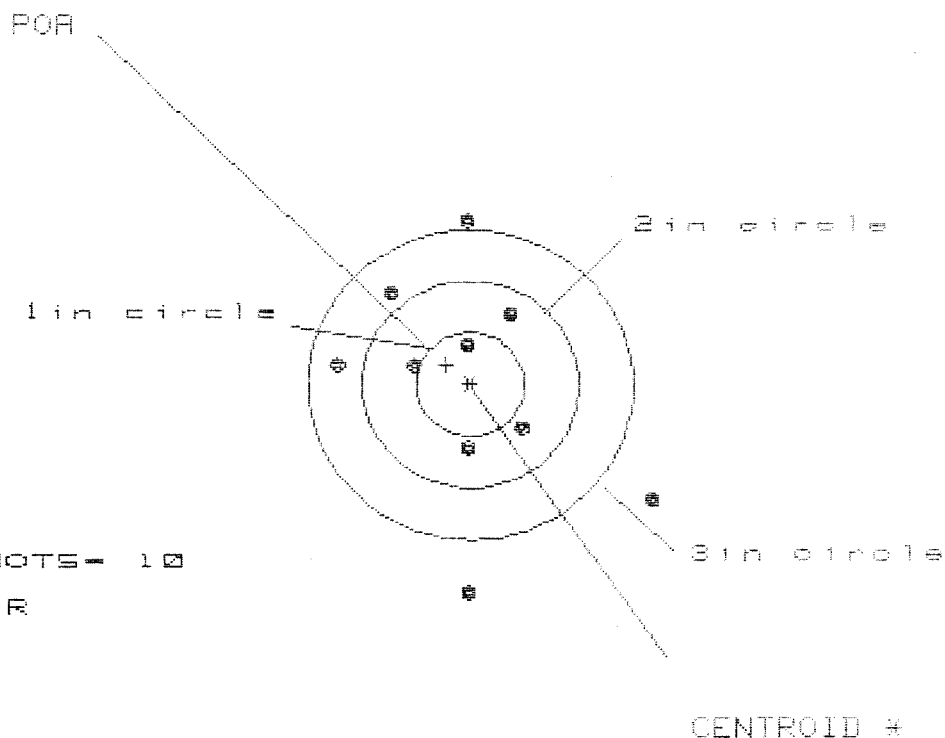
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.804	.888	.958
MINIMUM X	-1.096	-1.012	-.942
MAXIMUM Y	1.674	1.494	1.082
MINIMUM Y	-1.621	-1.067	-.880
CENTROID X	-.059	-.143	-.213
CENTROID Y	-.105	.075	-.112
POA TO CENTROID in.	.121	.161	.241
MIN RADIUS	.138	.097	.215
MEAN RADIUS	1.008	.917	.825
MAX RADIUS	1.788	1.596	1.445
HORIZONTAL SPREAD	1.900	1.900	1.900
VERTICAL SPREAD	3.295	2.561	1.962
EXTREME SPREAD	3.307	3.003	2.729
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	8		

28 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8B11885

CENTERFIRE PATTERNS # 2



OF SHOTS - 10

IN CIR

1 in = 1

2 in = 5

3 in = 7

HS = 2.870

VS = 3.549

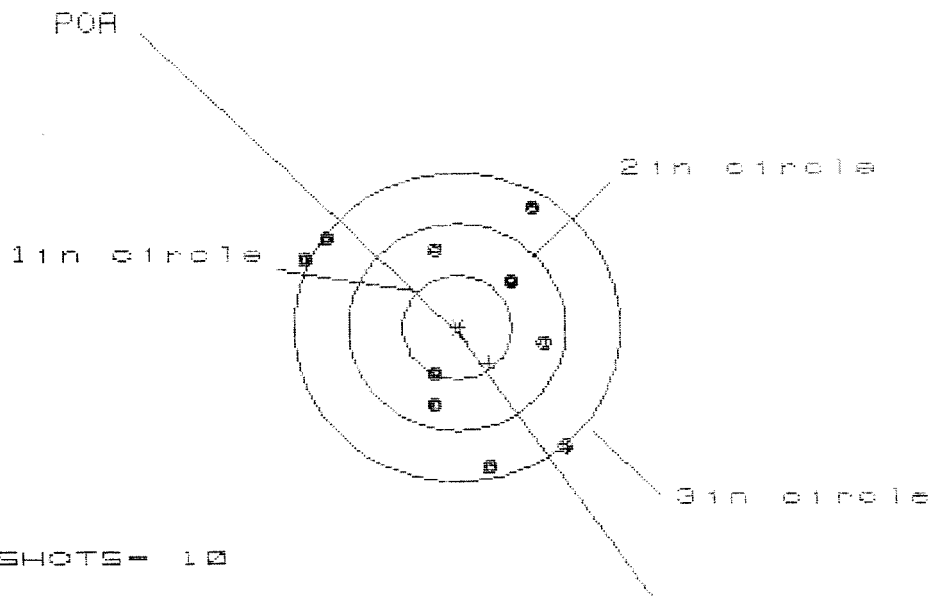
GS = 3.549

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.630	1.629	.697
MINIMUM X	:	-1.240	-1.241	-1.037
MAXIMUM Y	:	1.570	1.350	1.189
MINIMUM Y	:	-1.979	-1.295	-.977
CENTROID X	:	.227	.238	.024
CENTROID Y	:	-.186	.034	.195
POA TO CENTROID in.	:	.294	.230	.197
MIN RADIUS	:	.437	.224	.136
MEAN RADIUS	:	1.092	.955	.770
MAX RADIUS	:	1.979	2.081	1.204
HORIZONTAL SPREAD	:	2.870	2.870	1.734
VERTICAL SPREAD	:	3.549	2.645	2.166
EXTREME SPREAD	:	3.549	3.140	2.166
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		7	

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CENTERFIRE PATTERNS # 3



OF SHOTS - 10

IN CIR

1 in = 1

2 in = 5

3 in = 9

HS = 2.356

VS = 2.423

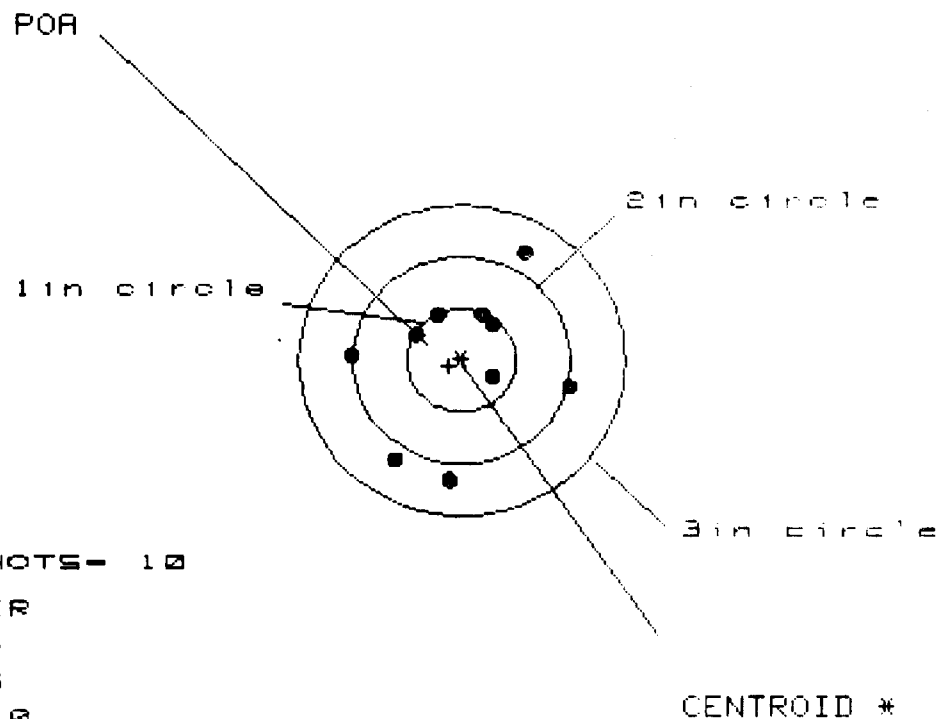
GS = 2.970

PATTERN #	3
SHOTS (BEST OF)	10
MAXIMUM X	.995
MINIMUM X	-1.361
MAXIMUM Y	1.116
MINIMUM Y	-1.307
CENTROID X	-.293
CENTROID Y	.345
POA TO CENTROID in.	.453
MIN RADIUS	.485
MEAN RADIUS	1.067
MAX RADIUS	1.506
HORIZONTAL SPREAD	2.356
VERTICAL SPREAD	2.423
EXTREME SPREAD	2.970
NUMBER IN ONE INCH CIRCLE =	1
NUMBER IN TWO INCH CIRCLE =	5
NUMBER IN THREE INCH CIRCLE =	9

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CENTERFIRE PATTERNS # 4



OF SHOTS - 10

IN CIR

1 in = 4

2 in = 6

3 in = 10

HS = 1.993

VS = 2.183

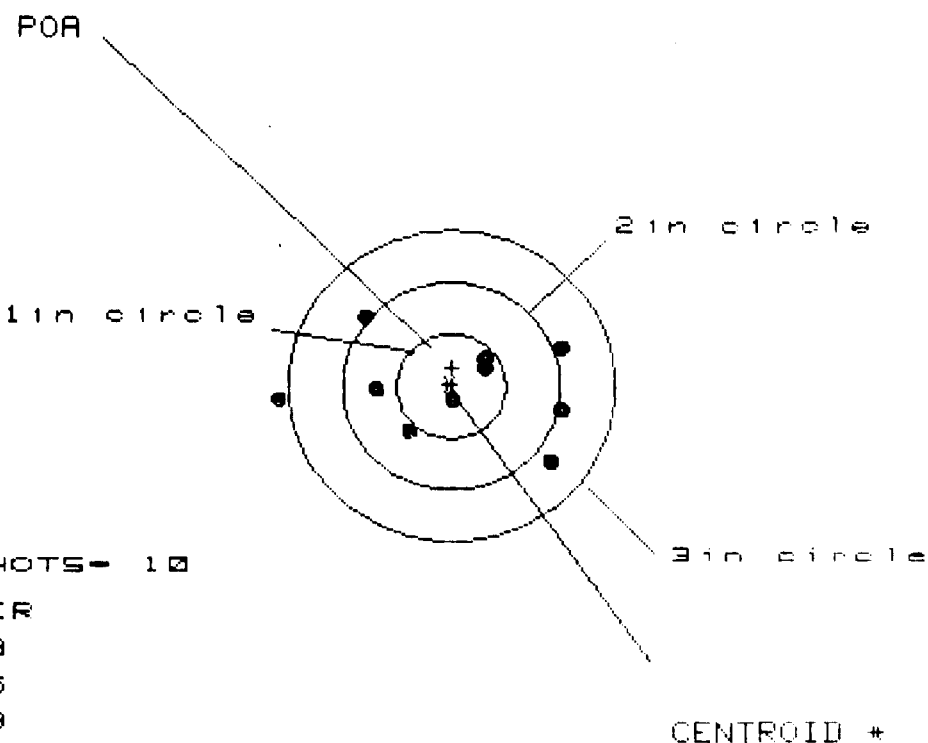
GS = 2.305

PATTERN #	:	4	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.014	.998	1.071
MINIMUM X	:	-.979	-.995	-.922
MAXIMUM Y	:	1.002	.871	.466
MINIMUM Y	:	-1.181	-1.049	-.940
CENTROID X	:	.114	.130	.057
CENTROID Y	:	.056	.187	.078
POA TO CENTROID in.	:	.127	.227	.097
MIN RADIUS	:	.328	.305	.389
MEAN RADIUS	:	.772	.697	.668
MAX RADIUS	:	1.189	1.241	1.110
HORIZONTAL SPREAD	:	1.993	1.993	1.993
VERTICAL SPREAD	:	2.183	1.920	1.406
EXTREME SPREAD	:	2.305	2.289	2.011
NUMBER IN ONE INCH CIRCLE	:	4		

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CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 3

2in = 5

3in = 9

HS= 2.601

VS= 1.375

GS= 2.603

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.008	.831	.918
MINIMUM X	:	-1.593	-.921	-.834
MAXIMUM Y	:	.693	.680	.593
MINIMUM Y	:	-.682	-.695	-.486
CENTROID X	:	-.009	.168	.081
CENTROID Y	:	-.178	-.165	-.078
POA TO CENTROID in.	:	.178	.235	.112
MIN RADIUS	:	.102	.172	.201
MEAN RADIUS	:	.791	.680	.639
MAX RADIUS	:	1.597	1.144	1.023
HORIZONTAL SPREAD	:	2.601	1.752	1.752

VERTICAL SPREAD :	1.375	1.375	1.079
EX BARBER - M24 0036310	2.603	2.123	1.975
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		9	