

C6522129

MODEL 700™ M24

Model SMS™

Action

Barrel Length

Capacity

Order No. 5716

*Includes 1 in chamber.

Remington

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6522129

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		8-21-90	DB
600	Proof		8-21-90	DB
607	Check Headspace		8-21-90	DB
610	Dis-assemble Gun		8-21-90	DB
612	Magnaflux Barrel Action		8/23/90	KCR
	Magnaflux Bolt	8/22 New BBL	8/24/90	KCR
615	Rollmark Caliber		8/21/90	CS
617	Drill and Tap Sight Holes		8/23/90	FB
618	Polish Barrel RB		8/23/90	WB
620	Apply Coatings (Barrel Action)		8/23/90	TA
	Apply Coating (Bolt)		8/23/90	TA
625	Final Assembly A) Clean inside of Bolt Assembly		10/3/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		10/3/90	RW
	C) Inspect Ejector Hole for Chamfer		10/3/90	RW
	D) Oil Firing Pin Ass'y		10/3/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		10/3/90	RW

op. #	OP. NAME	READINGS			DATE	INIT		
625 cont.	F) Safety On Force	4	4	4	10/4/90	RW		
	G) Safety Off Force	3	3	3	10/4/90	RW		
	H) Trigger Pull Test & Retainability				10/3/90	RW		
	I) Firing Pin Indent	.0225	.0225	.022	10/4/90	RW		
	J) Assemble Stock				10/4/90	RW		
	K) Assemble Swivel Studs				10/30/90	928		
	L) Attach Front and Rear Sight Assemblies				10/4/90	RW		
	M) Iron Sight Alignment				10/4/90	RW		
	N) Detach Front & Rear Sights & place in numbered container				10/4/90	RW		
	O) Attach Scope to Rifle				10/4/90	RW		
	P) Detach & Attach Scope 20 Times				10/4/90	RW		
640	Gallery Target & Test				10-9-90	DH		
	A) Time				10-9-90	DH		
	B) Malfunctions				10-9-90	DH		
	C) Pierced Primers				10-9-90	DH		
	D) Optical Clarity of Scope				10-9-90	DH		
645	Inspect for Live Ammo				10-9-90	DH		
655	Final Inspection							
	A) Headspace				10/30/90	928		
	B) Trigger Pull	2.27	2.26	2.31	2.43	2.50	10-9-90	81
	C) Function						10/30/90	928
660	Pack						12/18/90	NF

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

SERIAL NO. C6522129DATE 10/3/90TESTER AW

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.54	2.48	2.58	2.22	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.58	2.50	2.56	2.26	
PULL #3	2.35	2.39	2.50	2.31	
PULL #4	2.58	2.46	2.55	2.43	
PULL #5	2.56	2.47	2.52	2.50	
TOTAL	12.61	12.30	12.71	11.72	
AVG.	2.52	2.46	2.54	2.344	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.30	3.39		
PULL #2	3.33	3.36		
PULL #3	3.33	3.39		
PULL #4	3.34	3.32		
PULL #5	3.31	3.29		
TOTAL	16.61	16.75		
AVG.	3.32	3.35		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.36	4.31		4.17
PULL #2	4.34	4.34		4.26
PULL #3	4.32	4.33		4.24
PULL #4	4.37	4.34		4.21
PULL #5	4.36	4.36		4.27
TOTAL	21.75	21.68		21.15
AVG.	4.35	4.34		4.24

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6522129
9 Oct 1990

CENTROIDAL DISTANCES

0 TO	1	.179922
1 TO	2	.323289
1 TO	3	.418617
1 TO	4	.607217
1 TO	5	.678616

$\bar{x}_{IT} =$ (----POI)

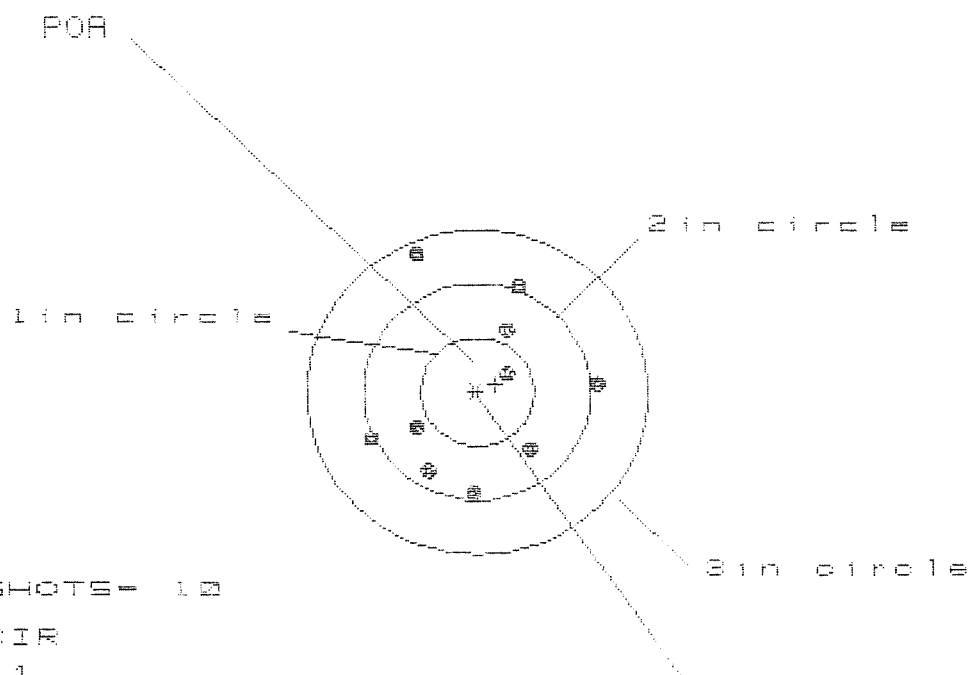
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.2344
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1016
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .255472
THE AMR FOR THIS RIFLE IS: .8422

9 Oct 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06522189

CENTERFIRE PATTERNS

1



OF SHOTS- 10

IN CIR

1in = 1

2in = 6

3in = 10

HS= 1.957

VS= 2.199

GS= 2.253

CENTROID #

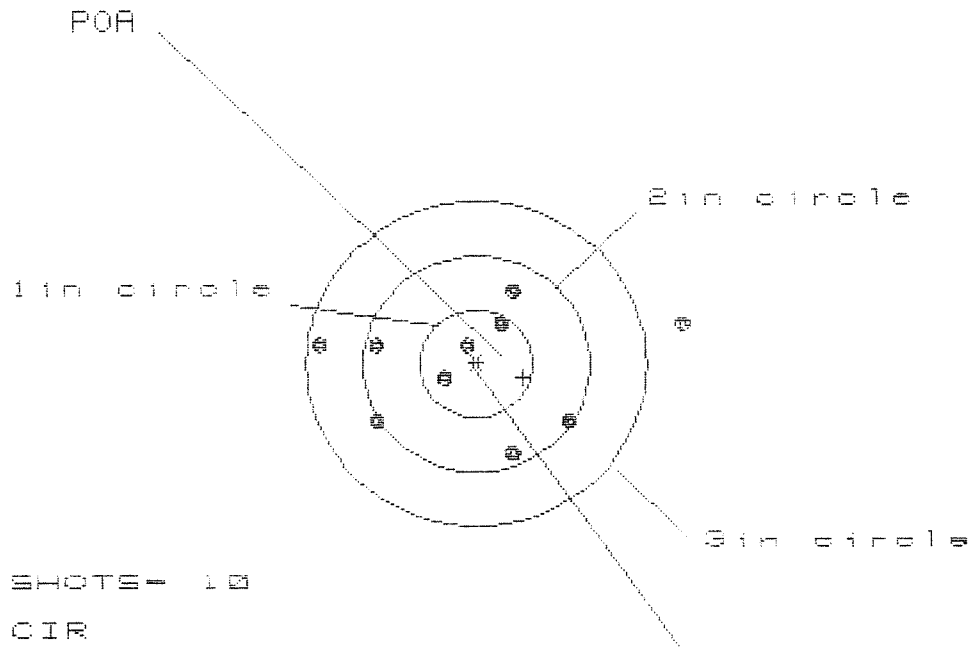
PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.054	.994	.507
MINIMUM X	:	-.903	-.963	-.838
MAXIMUM Y	:	1.240	1.104	1.129
MINIMUM Y	:	-.959	-.822	-.797
CENTROID X	:	-.164	-.104	-.229
CENTROID Y	:	-.074	-.211	-.236
POA TO CENTROID in.	:	.180	.236	.328
MIN RADIUS	:	.328	.369	.473
MEAN RADIUS	:	.846	.776	.738
MAX RADIUS	:	1.352	1.154	1.219
HORIZONTAL SPREAD	:	1.957	1.957	1.345
VERTICAL SPREAD	:	2.199	1.926	1.926
EXTREME SPREAD	:	2.253	2.026	1.977
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

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CENTERFIRE PATTERNS

2



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 7

3 in = 9

HS= 3.188

VS= 1.497

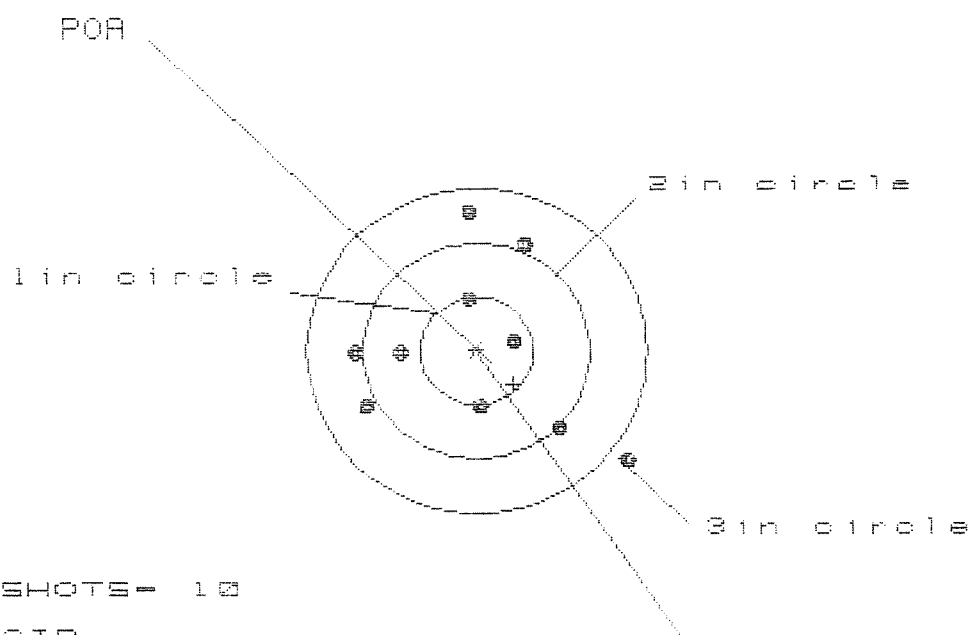
GS= 3.198

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.828	.999	.853
MINIMUM X	:	-1.368	-1.166	-.858
MAXIMUM Y	:	.678	.717	.744
MINIMUM Y	:	-.827	-.788	-.753
CENTROID X	:	-.418	-.628	-.474
CENTROID Y	:	.126	.079	.052
POA TO CENTROID in.	:	.436	.625	.477
MIN RADIUS	:	.144	.089	.186
MEAN RADIUS	:	.855	.728	.666
MAX RADIUS	:	1.868	1.186	.953
HORIZONTAL SPREAD	:	3.188	2.165	1.783
VERTICAL SPREAD	:	1.497	1.497	1.497
EXTREME SPREAD	:	3.198	2.260	1.803
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

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CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 2

2in = 4

3in = 9

HS= 2.388

VS= 2.267

GS= 2.687

CENTROID *

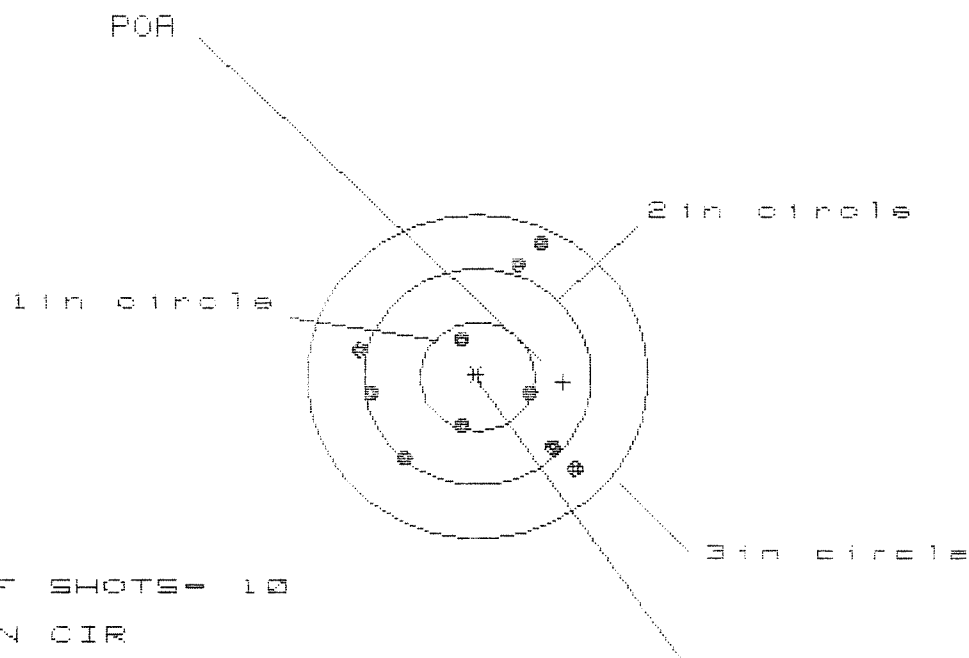
PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.351	.893	.901
MINIMUM X	:	-1.047	-.897	-.889
MAXIMUM Y	:	1.239	1.125	.981
MINIMUM Y	:	-1.028	-.813	-.673
CENTROID X	:	-.326	-.476	-.484
CENTROID Y	:	.312	.426	.286
POA TO CENTROID in.	:	.451	.639	.562
MIN RADIUS	:	.313	.367	.471
MEAN RADIUS	:	.914	.811	.765
MAX RADIUS	:	1.698	1.208	1.154
HORIZONTAL SPREAD	:	2.398	1.790	1.790
VERTICAL SPREAD	:	2.267	1.938	1.654
EXTREME SPREAD	:	2.687	2.118	2.047
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		9	

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CENTERFIRE PATTERNS

4



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 5

3 in = 10

HS= 1.937

VS= 2.084

GS= 2.299

CENTROID #

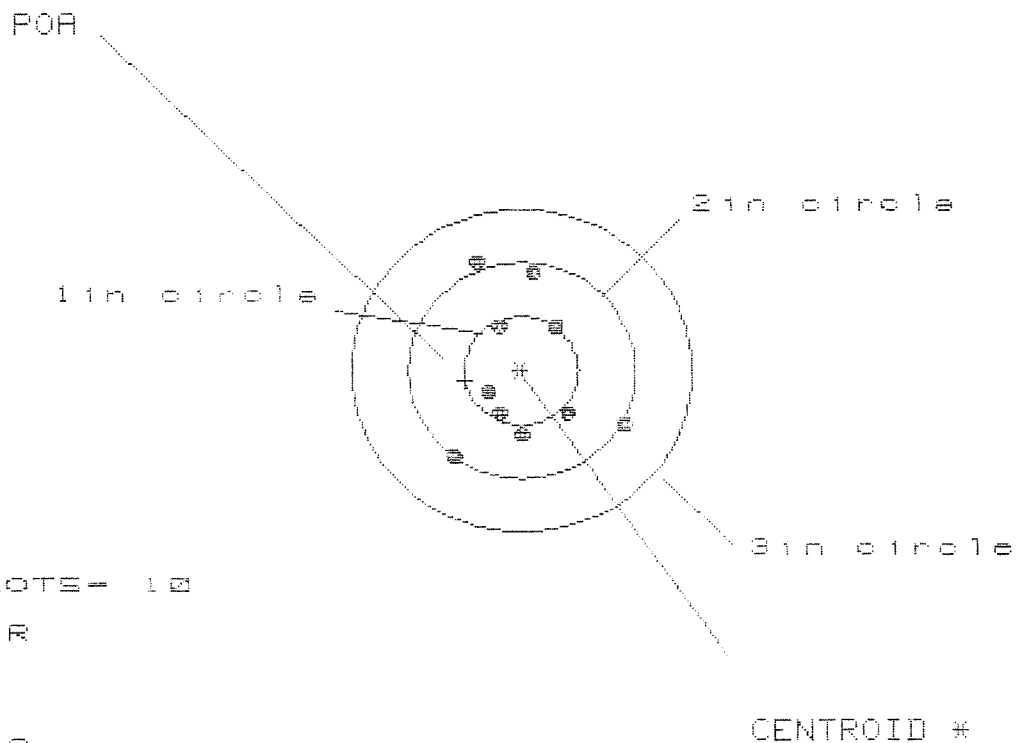
PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.846	.912	.833
MINIMUM X	:	-1.091	-1.025	-.911
MAXIMUM Y	:	1.253	1.229	1.142
MINIMUM Y	:	-.831	-.692	-.664
CENTROID X	:	-.758	-.824	-.938
CENTROID Y	:	.052	-.087	-.008
POA TO CENTROID in.	:	.760	.828	.938
MIN RADIUS	:	.391	.320	.398
MEAN RADIUS	:	.905	.833	.790
MAX RADIUS	:	1.385	1.315	1.282
HORIZONTAL SPREAD	:	1.937	1.937	1.744
VERTICAL SPREAD	:	2.084	1.921	1.806
EXTREME SPREAD	:	2.299	2.224	2.064
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

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CENTERFIRE PATTERNS

5



OF SHOTS= 10

IN CIR

1in = 3

2in = 9

3in = 10

HS= 1.461

VS= 1.756

GS= 1.903

PATTERN #	5		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.877	.835	.478
MINIMUM X	-.584	-.626	-.522
MAXIMUM Y	.967	1.058	1.014
MINIMUM Y	-.789	-.682	-.726
CENTROID X	.494	.536	.432
CENTROID Y	.092	-.015	.029
POA TO CENTROID in.	.503	.537	.433
MIN RADIUS	.387	.322	.304
MEAN RADIUS	.591	.637	.596
MAX RADIUS	1.038	1.059	1.022
HORIZONTAL SPREAD	1.461	1.461	1.000
VERTICAL SPREAD	1.756	1.740	1.740
EXTREME SPREAD	1.903	1.858	1.858
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		9	
NUMBER IN THREE INCH CIRCLE =		10	

Remington®

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

MODEL 700™ H24**SERIAL NO.**
C6522129**ORDER NO.**
5716

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

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