

05649302

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5715**

*Includes 1 in chamber.



Remington® **DUPONT**
REG. U.S. PAT. & TM. OFF.

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

MODEL 700™ H24

SERIAL NO.
C6649302

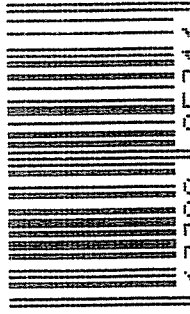
ORDER NO.
5716

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

20

5716 C6649302

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6649302

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	6 27	9 1	RW
600	Proof	6 27	9 1	RW
607	Check Headspace	6 27	9 1	RW
610	Dis-assemble Gun	6 27	9 1	RW
612	Magnaflux Barrel Action	JUL	2 1991	KR
	Magnaflux Bolt	JUL	2 1991	KR
615	Rollmark Caliber	JUL	2 1991	LS
617	Drill and Tap Sight Holes	JUL	2 1991	LB
618	Polish Barrel	JUL 1	7 1991	WB
620	Apply Coatings (Barrel Action)		7-22-91	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		7/23/91	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		7/23/91	RW
	C) Inspect Ejector Hole for Chamfer		7/23/91	RW
	D) Oil Firing Pin Ass'y		7/23/91	RW
	E) Adjust Trigger Pull to Min Setting and Stake		7-29-91	JK

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			7/29/91	SM
	G) Safety Off Force	4	4	4			7/29/91	SM
	H) Trigger Pull Test & Retainability						7-29-91	SM
	I) Firing Pin Indent	0.23	0.23	0.21			7-29-91	SM
	J) Assemble Stock						8/6/91	RW
	K) Assemble Swivel Studs						8-7-91	SM
	L) Attach Front and Rear Sight Assemblies						8/6/91	RW
	M) Iron Sight Alignment						8/6/91	RW
	N) Detach Front & Rear Sights & place in numbered container						8/6/91	RW
	O) Attach Scope to Rifle						8/6/91	RW
	P) Detach & Attach Scope 20 Times						8/6/91	RW
640	Gallery Target & Test						8-6-91	NF
	A) Time						"	NF
	B) Malfunctions						"	NF
	C) Pierced Primers						"	NF
	D) Optical Clarity of Scope						"	NF
645	Inspect for Live Ammo						8-6-91	NF
655	Final Inspection							
	A) Headspace						8-7-91	SM
	B) Trigger Pull	2.38	2.34	2.28	2.36	2.38	8-7-91	SM
	C) Function						8-7-91	SM
660	Pack						9-19-91	NF

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6649302DATE 7-29-91TESTER JL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.53	2.53	2.48	2.29	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.57	2.50	2.50	2.34	
PULL #3	2.54	2.50	2.43	2.28	
PULL #4	2.56	2.53	2.46	2.36	
PULL #5	2.55	2.53	2.40	2.38	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.31	3.29		
PULL #2	3.35	3.24		
PULL #3	3.31	3.40		
PULL #4	3.34	3.36		
PULL #5	3.20	3.27		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.53	4.53		4.53
PULL #2	4.46	4.54		4.57
PULL #3	4.49	4.54		4.59
PULL #4	4.55	4.55		4.59
PULL #5	4.54	4.56		4.58
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6649302
6 Aug 1991

CENTROIDAL DISTANCES

0 TO	1	.155052
1 TO	2	.153447
1 TO	3	.351172
1 TO	4	.151796
1 TO	5	.332417

82.5 <----POA

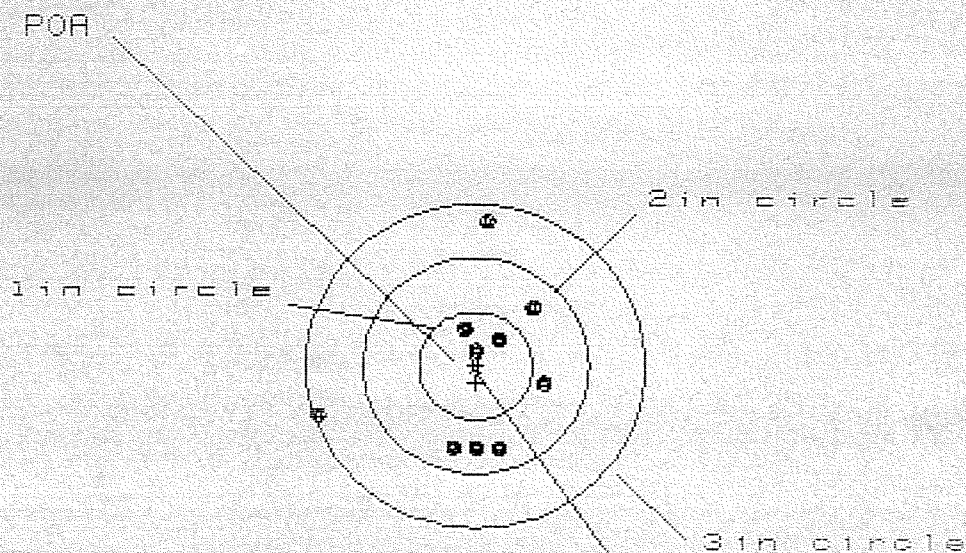
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.031
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .123
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .126846
THE AMR FOR THIS RIFLE IS: .911

6 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6649382

CENTERFIRE PATTERNS

1



OF SHOTS = 10

IN CIR

1 in = 3

2 in = 8

3 in = 10

HS = 1.933

VS = 2.101

GS = 2.286

PATTERN #

:

1

SHOTS (BEST OF)

:

10

9

8

MAXIMUM X

:

.586

.436

.426

MINIMUM X

:

-1.347

-.342

-.352

MAXIMUM Y

:

1.365

1.317

.635

MINIMUM Y

:

-.736

-.784

-.619

CENTROID X

:

-.004

.146

.156

CENTROID Y

:

.155

.203

.038

POA TO CENTROID in.:

:

.155

.250

.160

MIN RADIUS

:

.166

.208

.335

MEAN RADIUS

:

.721

.621

.541

MAX RADIUS

:

1.413

1.320

.719

HORIZONTAL SPREAD

:

1.933

.778

.778

VERTICAL SPREAD

:

2.101

2.101

1.254

EXTREME SPREAD

:

2.286

2.118

1.430

NUMBER IN ONE INCH CIRCLE =

3

NUMBER IN TWO INCH CIRCLE =

8

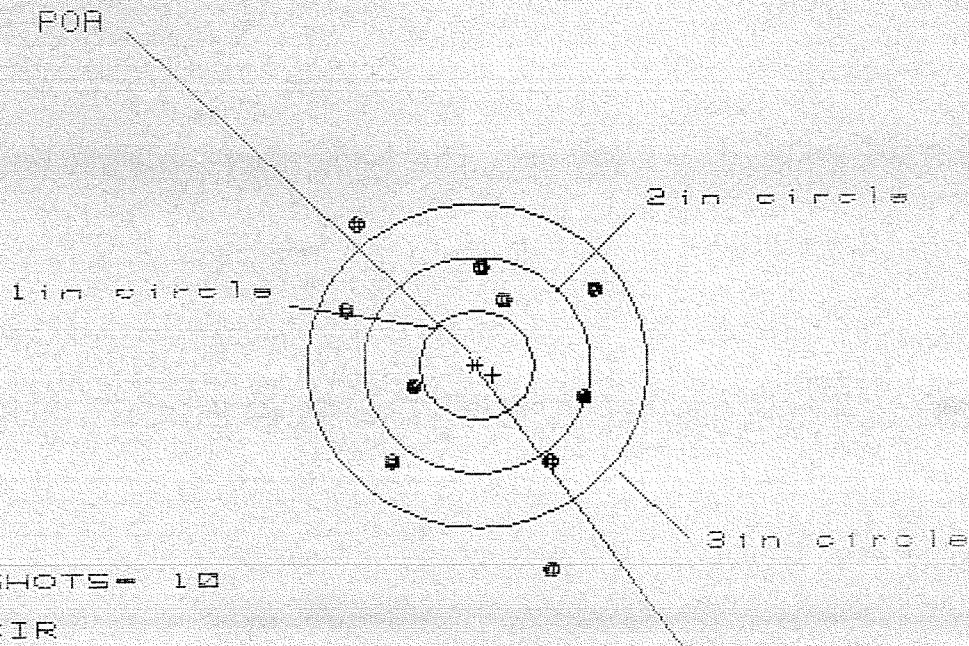
NUMBER IN THREE INCH CIRCLE =

10

6 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6649302

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 0

2 in = 4

3 in = 8

HS= 2.221

VS= 3.222

GS= 3.619

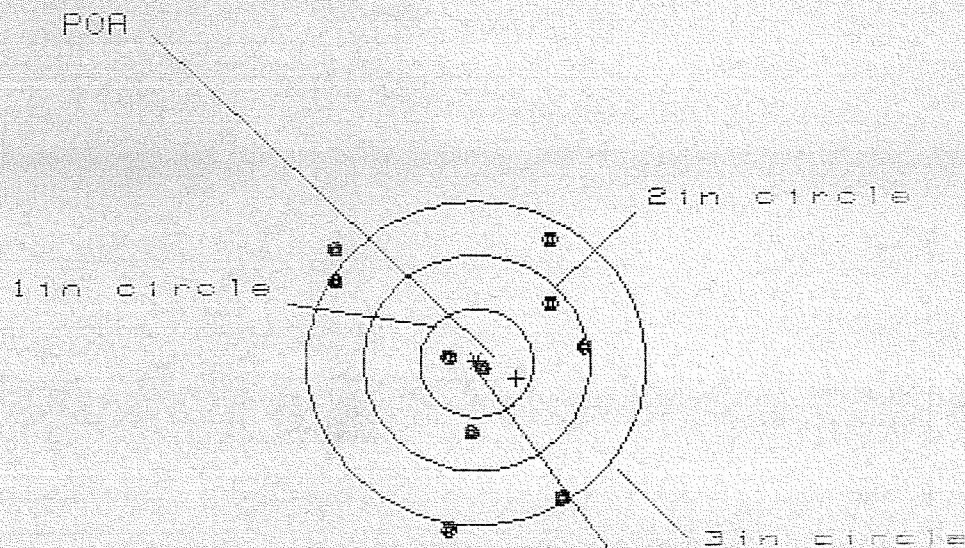
PATTERN #	2
SHOTS (BEST OF)	10
MAXIMUM X	1.072
MINIMUM X	-1.149
MAXIMUM Y	1.359
MINIMUM Y	-1.863
CENTROID X	-.143
CENTROID Y	.090
POA TO CENTROID in.	.169
MIN RADIUS	.602
MEAN RADIUS	1.174
MAX RADIUS	1.963
HORIZONTAL SPREAD	2.221
VERTICAL SPREAD	3.222
EXTREME SPREAD	3.619
NUMBER IN ONE INCH CIRCLE	0
NUMBER IN TWO INCH CIRCLE	4
NUMBER IN THREE INCH CIRCLE	8

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FILE:/PATTERNING/CENTERFIRE_PATT/C6649302

CENTERFIRE PATTERNS

3



OF SHOTS= 10

IN CIR

1in = 2

2in = 5

3in = 8

HS= 2.261

VS= 2.669

GS= 3.083

CENTROID #

PATTERN #	3	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.970	.826	.779
MINIMUM X	-1.291	-1.342	-1.389
MAXIMUM Y	1.119	1.236	1.057
MINIMUM Y	-1.550	-1.433	-1.339
CENTROID X	-.355	-.211	-.164
CENTROID Y	.144	.027	.266
POA TO CENTROID in.	.383	.213	.263
MIN RADIUS	.076	.113	.190
MEAN RADIUS	1.022	.944	.873
MAX RADIUS	1.667	1.582	1.538
HORIZONTAL SPREAD	2.261	2.168	2.168
VERTICAL SPREAD	2.669	2.669	2.396
EXTREME SPREAD	3.083	2.802	2.774
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	8		

8 Aug 1991

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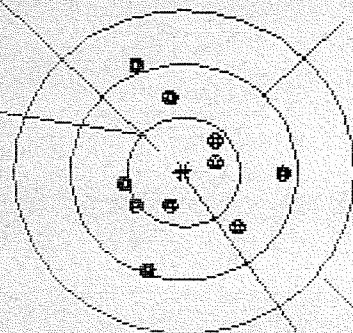
CENTERFIRE PATTERNS # 4

POA

1in circle

2in circle

3in circle



OF SHOTS = 10

IN CIR

1in = 4

2in = 3

3in = 10

HS = 1.444

VS = 1.932

GS = 1.936

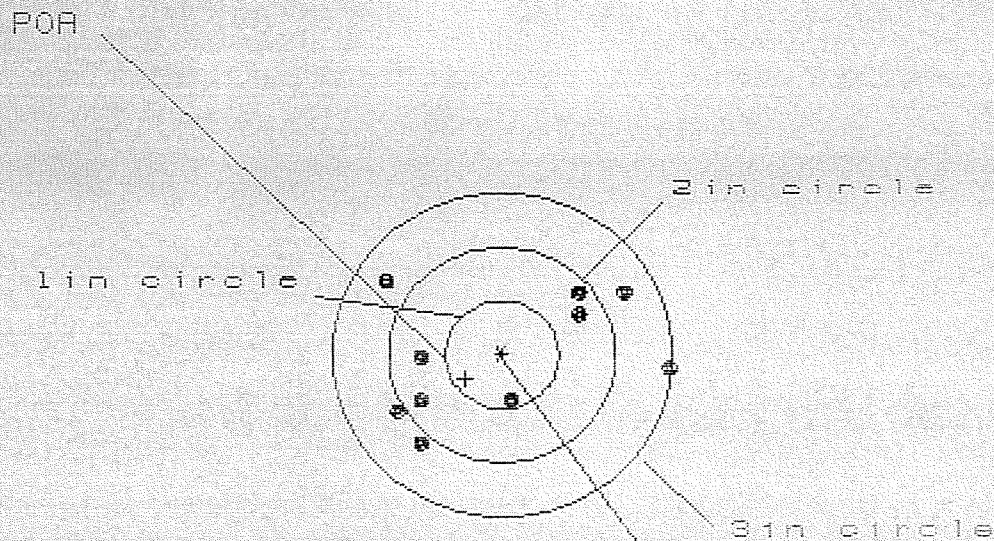
CENTROID *

PATTERN #	:	4	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.889	.844	.802
MINIMUM X	:	-.555	-.600	-.642
MAXIMUM Y	:	.999	.852	.749
MINIMUM Y	:	-.933	-.822	-.503
CENTROID X	:	.025	.070	.112
CENTROID Y	:	.006	-.105	-.002
POA TO CENTROID in.	:	.026	.126	.112
MIN RADIUS	:	.306	.257	.232
MEAN RADIUS	:	.646	.588	.543
MAX RADIUS	:	1.079	.887	.802
HORIZONTAL SPREAD	:	1.444	1.444	1.444
VERTICAL SPREAD	:	1.932	1.674	1.252
EXTREME SPREAD	:	1.936	1.681	1.446
NUMBER IN ONE INCH CIRCLE	=	4		
NUMBER IN TWO INCH CIRCLE	=	9		
NUMBER IN THREE INCH CIRCLE	=	10		

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CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 1

2in = 5

3in = 9

HS= 2.512

VS= 1.549

GS= 2.635

CENTROID *

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.505	1.259	1.051
MINIMUM X	-1.008	-.840	-.683
MAXIMUM Y	.699	.688	.763
MINIMUM Y	-.850	-.861	-.786
CENTROID X	.322	.154	-.003
CENTROID Y	.220	.231	.156
POA TO CENTROID in.	.390	.278	.156
MIN RADIUS	.452	.528	.387
MEAN RADIUS	.992	.915	.818
MAX RADIUS	1.508	1.394	1.245
HORIZONTAL SPREAD	2.512	2.099	1.734
VERTICAL SPREAD	1.549	1.549	1.549
EXTREME SPREAD	2.635	2.329	2.052
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	9		