

05349139

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5715**

*Includes 1 in chamber.

Remington.

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6349139

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		10-9 89	RW
600	Proof		10-9 89	A
607	Check Headspace		10-9 89	RW
610	Dis-assemble Gun		10-9 89	RW
612	Magnaflux Barrel Action		10/31/89	KCR
	Magnaflux Bolt		10/31/89	KCR
615	Rollmark Caliber			
.7	Drill and Tap Sight Holes			
618	Polish Barrel			
620	Apply Coatings (Barrel Action)		11-3-89	TJA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		11-9-89	A
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11-9-89	A
	C) Inspect Ejector Hole for Chamfer		11-9-89	A
	D) Oil Firing Pin Ass'y		11-9-89	A
	E) Adjust Trigger Pull to Min Setting and Stake		11/6/89	JS

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	4	4			16 Nov 89	JS
	G) Safety Off Force	3	3	3			16 Nov 89	JS
	H) Trigger Pull Test & Retainability						16 Nov 89	JS
	I) Firing Pin Indent	.021	.021	.021			16 Nov 89	JS
	J) Assemble Stock						11-28-89	A
	K) Assemble Swivel Studs						3 Dec 89	JS
	L) Attach Front and Rear Sight Assemblies						11-28-89	A
	M) Iron Sight Alignment						11-28-89	A
	N) Detach Front & Rear Sights & place in numbered container						11-28-89	A
	O) Attach Scope to Rifle						29 Nov 89	JS
	P) Detach & Attach Scope 20 Times						29 Nov 89	JS
640	Gallery Target & Test						12-4-89	AC
	A) Time						12-4-89	A
	B) Malfunctions						12-4-89	A
	C) Pierced Primers						12-4-89	A
	D) Optical Clarity of Scope						12-4-89	A
645	Inspect for Live Ammo						12-4-89	A
655	Final Inspection							
	A) Headspace						5 Dec 89	JS
	B) Trigger Pull	277	266	263	267	263	5 Dec 89	JS
	C) Function						5 Dec 89	JS
660	Pack						18 Dec 89	JS

SWS TRIGGER PULL TEST

9139

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#
3.00# + .75#
4.00# + 1.00#

SERIAL NO. 26348830

DATE 300489

TESTER 218

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	218	221	219	217	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	221	238	226	263	
PULL #3	244	229	211	213	
PULL #4	247	234	215	250	
PULL #5	238	237	221	246	
TOTAL	1168	1159	1092	1304	
AVG.	2.336	2.318	2.184	2.608	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	303	285		
PULL #2	312	298		
PULL #3	305	298		
PULL #4	298	302		
PULL #5	305	305		
TOTAL	1523	1488		
AVG.	3.046	2.976		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	395	397		402
PULL #2	406	399		388
PULL #3	395	387		401
PULL #4	409	377		394
PULL #5	401	386		401
TOTAL	2006	1946		1986
AVG.	4.012	3.892		3.972

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6349139
4 Dec 1989

CENTROIDAL DISTANCES

0 TO	1	.0518652
1 TO	2	.0655134
1 TO	3	.382385
1 TO	4	.274184
1 TO	5	.430991

$\frac{36}{43}$ <----POA

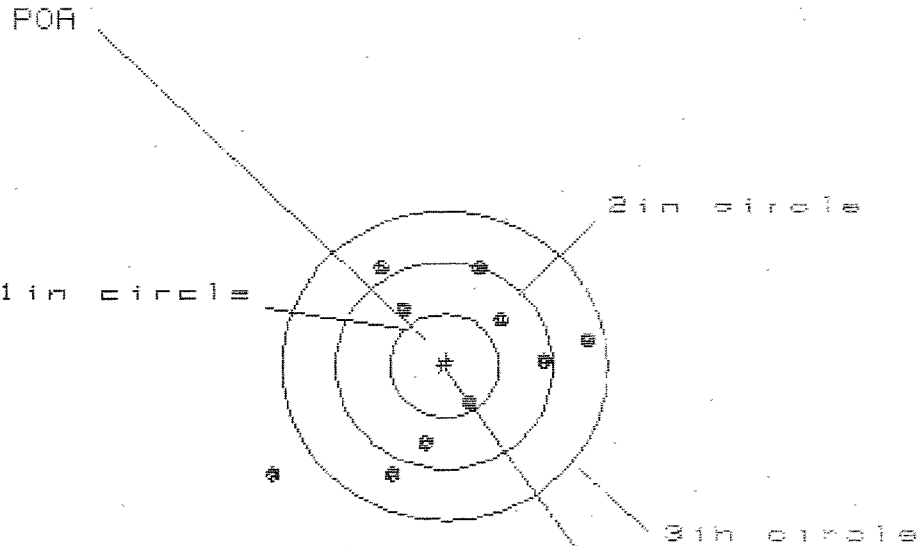
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0108
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0604
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .061358

THE AMR FOR THIS RIFLE IS: .9488

4 Dec 1989

FILE:/PATTERNING-CENTERFIRE_PATT/C8349139

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 5

3 in = 9

HS= 2.911

VS= 1.979

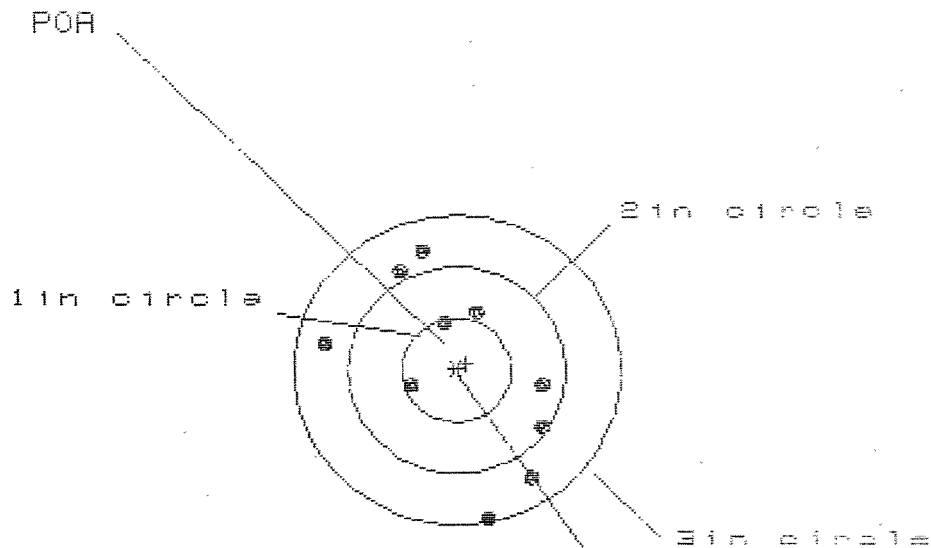
GS= 3.161

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.292	1.112	.927
MINIMUM X	-1.619	-.773	-.634
MAXIMUM Y	.918	.803	.915
MINIMUM Y	-1.061	-1.176	-1.164
CENTROID X	-.017	.163	.024
CENTROID Y	-.049	.066	.054
POA TO CENTROID in.	.052	.176	.060
MIN RADIUS	.436	.468	.502
MEAN RADIUS	.990	.857	.828
MAX RADIUS	1.919	1.370	1.294
HORIZONTAL SPREAD	2.911	1.885	1.461
VERTICAL SPREAD	1.979	1.979	1.979
EXTREME SPREAD	3.161	2.212	2.148
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	9		

4 Dec 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06349139

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 5

3 in = 10

HS= 1.984

VS= 2.551

GS= 2.610

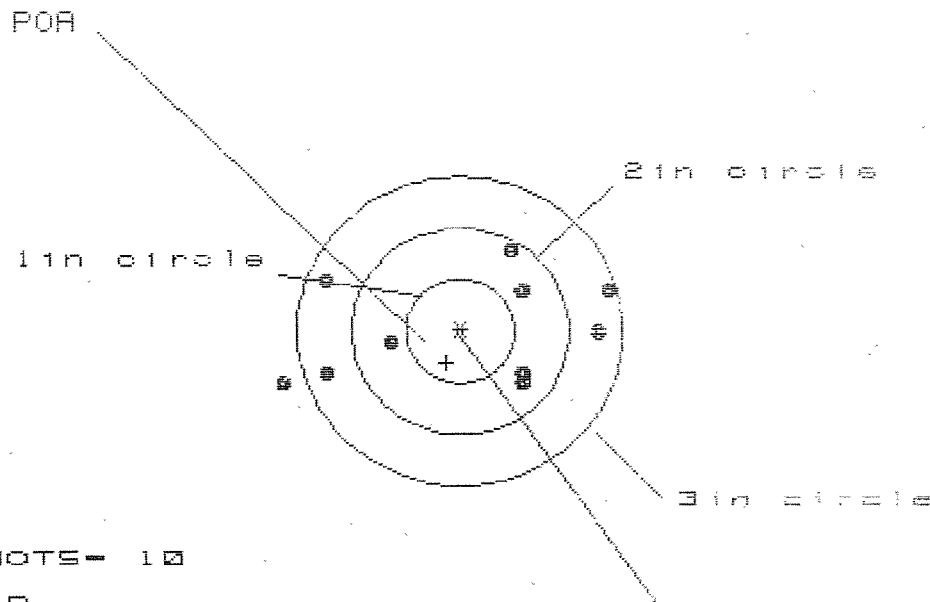
CENTROID #

PATTERN #	2	3	4
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.767	.795	.646
MINIMUM X	-1.217	-1.189	-.615
MAXIMUM Y	1.145	.989	.997
MINIMUM Y	-1.406	-1.197	-1.179
CENTROID X	-.081	-.109	.040
CENTROID Y	-.063	.093	.085
POA TO CENTROID in.	.102	.143	.094
MIN RADIUS	.459	.305	.401
MEAN RADIUS	.932	.849	.904
MAX RADIUS	1.429	1.361	1.297
HORIZONTAL SPREAD	1.984	1.984	1.261
VERTICAL SPREAD	2.551	2.176	2.176
EXTREME SPREAD	2.610	2.368	2.368
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	10		

4 Dec 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C8349139

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 0

2in = 5

3in = 9

HS= 3.039

VS= 1.358

GS= 3.172

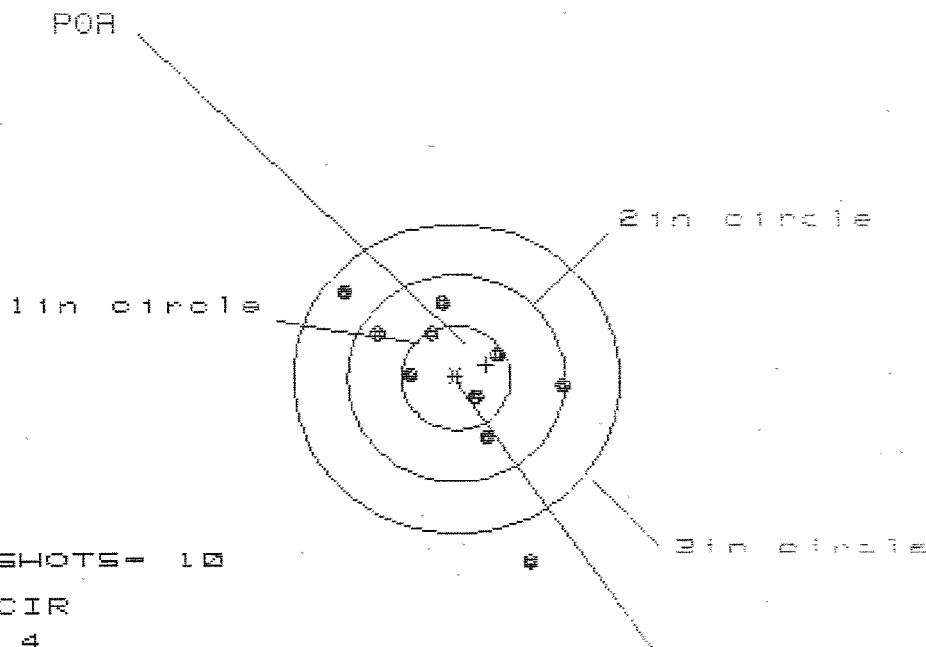
CENTROID *

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.389	1.205	1.189
MINIMUM X	:	-1.650	-1.437	-1.286
MAXIMUM Y	:	.822	.762	.801
MINIMUM Y	:	-.536	-.559	-.520
CENTROID X	:	.130	.314	.163
CENTROID Y	:	.304	.364	.325
POA TO CENTROID in.	:	.331	.480	.363
MIN RADIUS	:	.671	.507	.547
MEAN RADIUS	:	1.082	.974	.952
MAX RADIUS	:	1.735	1.488	1.353
HORIZONTAL SPREAD	:	3.039	2.642	2.475
VERTICAL SPREAD	:	1.358	1.321	1.321
EXTREME SPREAD	:	3.172	2.731	2.518
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

4 Dec 1989

FILE:/PATTERNING/CENTERFIRE_PATT/05349139

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in = 4

2in = 8

3in = 9

HS= 1.971

VS= 2.561

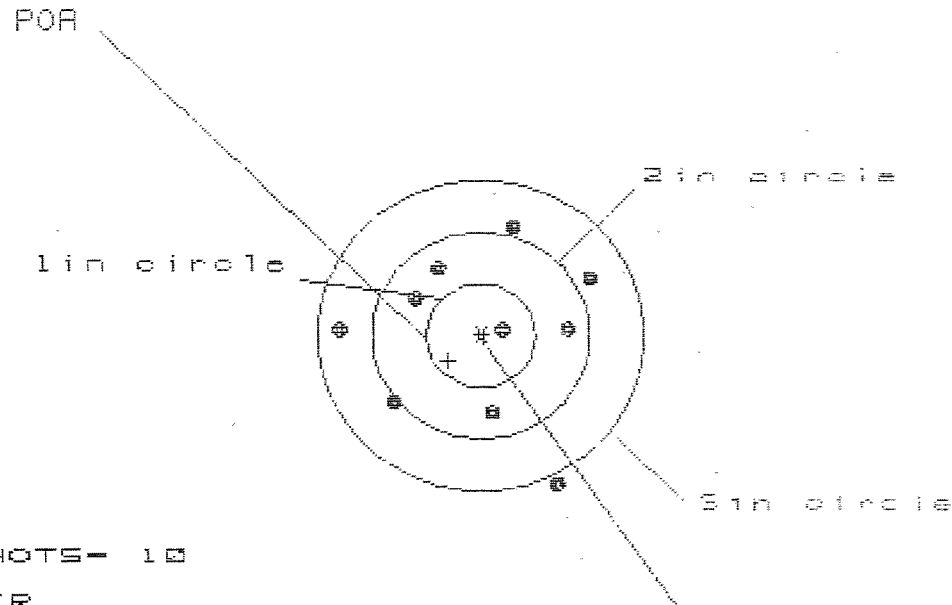
GS= 3.092

PATTERN #	4
SHOTS (BEST OF)	10
MAXIMUM X	.942
MINIMUM X	-1.029
MAXIMUM Y	.786
MINIMUM Y	-1.775
CENTROID X	-.278
CENTROID Y	-.133
POA TO CENTROID in.	.368
MIN RADIUS	.281
MEAN RADIUS	.800
MAX RADIUS	1.909
HORIZONTAL SPREAD	1.971
VERTICAL SPREAD	2.561
EXTREME SPREAD	3.092
NUMBER IN ONE INCH CIRCLE =	4
NUMBER IN TWO INCH CIRCLE =	8
NUMBER IN THREE INCH CIRCLE =	9

4 Dec 1969

FILE:/PATTERNING/CENTERFIRE_PATT/CS349139

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 1

2in = 5

3in = 9

HS= 2.309

VS= 2.482

GS= 2.517

PATTERN #	5
SHOTS (BEST OF)	10
MAXIMUM X	1.034
MINIMUM X	-1.275
MAXIMUM Y	1.072
MINIMUM Y	-1.410
CENTROID X	.300
CENTROID Y	.243
POA TO CENTROID in.	.386
MIN RADIUS	.184
MEAN RADIUS	.937
MAX RADIUS	1.572
HORIZONTAL SPREAD	2.309
VERTICAL SPREAD	2.482
EXTREME SPREAD	2.517
NUMBER IN ONE INCH CIRCLE =	1
NUMBER IN TWO INCH CIRCLE =	5
NUMBER IN THREE INCH CIRCLE =	9

Remington[®]

MODEL 700™ H24

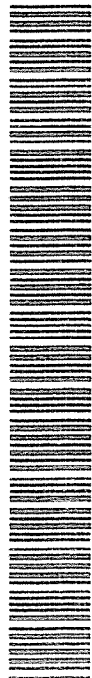
VERY IMPORTANT:
Instruction Book
enclosed to assure
safe use of this
firearm.

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

SERIAL NO.
C6349139

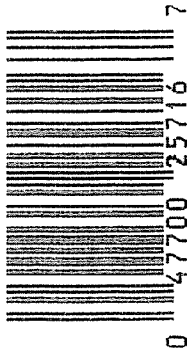
ORDER NO.
5716

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



5716 C6349139

UPC



0 47700 25716 7

Repair Number: **RE00018379** Serial: C6349139 Model: 700 Center Fire Caliber: 7.62 NATO M 24 (SWS) Repairman: Status: Closed 12/5/00 7:59:08 AM

Verify Repair

Address Information

Customer: ☒ Received From Return To: ☐ Received From

Name: **COMMANDER** **COMMANDER**

Address 1: **HSC 3/10 SFG (A)** **HSC 3/10 SFG (A)**

Address 2: PO Box:

City: **FORT CARSON** **FORT CARSON**

State: **CO** Zip Code: **80913** Country: **US** State: **CO** Zip Code: **80913** Country: **US**

FFL: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Contact / Condition	Problems	Estimate	History / Status	Shipping / Billing																		
Contact Information: Phone: Fax: Email: Comments:	Received Condition: Pool: Condition: Notes: CSR: Notes:	Accessories Received: <table border="1"> <thead> <tr> <th>Code</th> <th>Desc</th> <th>Qty</th> </tr> </thead> <tbody> <tr> <td>A007</td> <td>With Stud</td> <td>1</td> </tr> <tr> <td>A008</td> <td>With Swivel</td> <td>1</td> </tr> <tr> <td>A016</td> <td>Scope Mounts</td> <td>1</td> </tr> <tr> <td>A017</td> <td>Scope Base</td> <td>1</td> </tr> <tr> <td>A026</td> <td>Scope</td> <td>1</td> </tr> </tbody> </table>	Code	Desc	Qty	A007	With Stud	1	A008	With Swivel	1	A016	Scope Mounts	1	A017	Scope Base	1	A026	Scope	1		
Code	Desc	Qty																				
A007	With Stud	1																				
A008	With Swivel	1																				
A016	Scope Mounts	1																				
A017	Scope Base	1																				
A026	Scope	1																				

Repair Search Refresh Close

12/5/00 9:29 AM NUM

Start In 27H 5A 28M 1S 0S 2E 0P 0Y 0m 9:29 AM

Number: **C6349139**

Model: **700**



RE00018379

Final Inspection

Sn: C6349139

DATE REC'D: 11-30-00

DATE RET'D:

AUDITOR: CK

Item:

Barrel Assy.

- ☐ BARREL
- ☐ RECEIVER
- ☐ FRONT SIGHT BLOCK
- ☐ REAR SIGHT BLOCK
- ☐ SCREWS
- ☐ FINISH

Scope Assy.

- ☐ Scope
- ☐ Scope Rings
- ☐ Mounting Screws
- ☐ Mounting Base
- ☐ Screws
- ☐ Finish
- ☐ Looseness
- ☐ Clarity

Misc.

- ☐ DD-250
- ☐ BAR CODE
- ☐ PACKAGING

Item:

Stock Assy.

- ☐ Stock
- ☐ Sling Swivel Studs
- ☐ ADJUSTABLE BUTT PLATE
- ☐ LOCK NUTS
- ☐ BARREL CLEARANCE
- ☐ COLOR/FINISH

Systems Case

- ☐ Scope Case
- ☐ Iron Sights
- ☐ Deployment Kit

Trigger

- ☐ SAFETY OPERATION
- ☐ SET
- ☐

Comments:

M-24 INSPECTION CHECKLIST
CONTRACT #: DAAE-20-97-C-242

R & E NUMBER 18379			
SERIAL NUMBER C6349139			
LOG-IN DATE 11-30-00			
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	12-2-00	CK
560 A	RE-BARREL AT CUSTOM SHOP		
B	DRILL AND TAP		
C	POLISH		
575	ASSEMBLE		
600	PROOF	12-6-00	CK
605	CHECK HEADSPACE	12-6-00	CK
610	DIS-ASSEMBLE GUN		
612	MAGNAFLUX		
615	ROLLMARK CALIBER		
618	ROTO-BLAST		
620	APPLY COATINGS		
625 A	FINAL ASSEMBLY		
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	12-10-00	CK
655	FINAL INSPECT	12-18-00	CK
660	PACK		
SHIP DATE QAR INSPECTION DATE			

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # c6349139
15 Jan 2001

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0362
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.174
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .177726

THE AMR FOR THIS RIFLE IS: 1.048

CENTROIDAL DISTANCES

0	TO	1	.317874
1	TO	2	.267301
1	TO	3	.464449
1	TO	4	1.14784
1	TO	5	.450587

1
5+2 <----POA

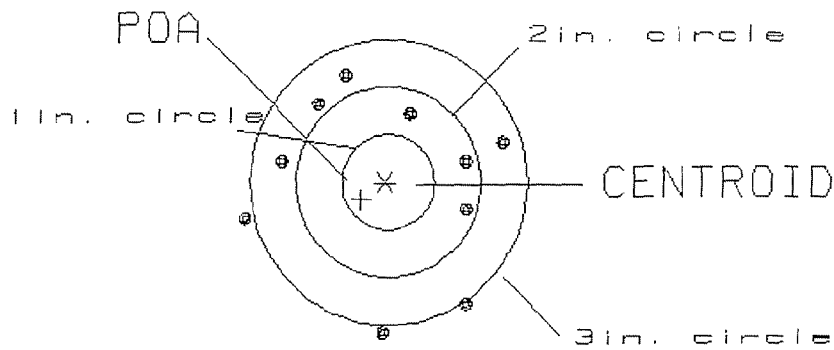
4

PATTERN #: ☐ 1 ☐
 POA TO CENTROID: .318
 MIN RADIUS : .742
 MEAN RADIUS : 1.211
 MAX RADIUS : 1.583
 CENTROID X : .262
 CENTROID Y : .180

15 Jan 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6349139.1

CENTERFIRE PATTERN # 1



OF SHOTS= 10

IN CIRCLE

HS= 2.75
 VS= 2.73
 GS= 2.88

0
 3
 7

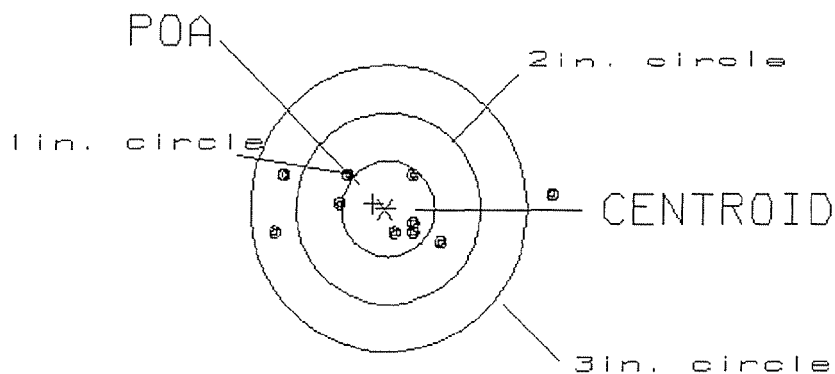
PATTERN #: ☐ 2 ☐

POA TO CENTROID: .141
 MIN RADIUS : .264
 MEAN RADIUS : .747
 MAX RADIUS : 1.818
 CENTROID X : .131
 CENTROID Y : -.053

15 Jan 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6349139.1

CENTERFIRE PATTERN # 2



OF SHOTS= 10

IN CIRCLE

HS= 3.02

4

VS= .76

7

GS= 3.05

9

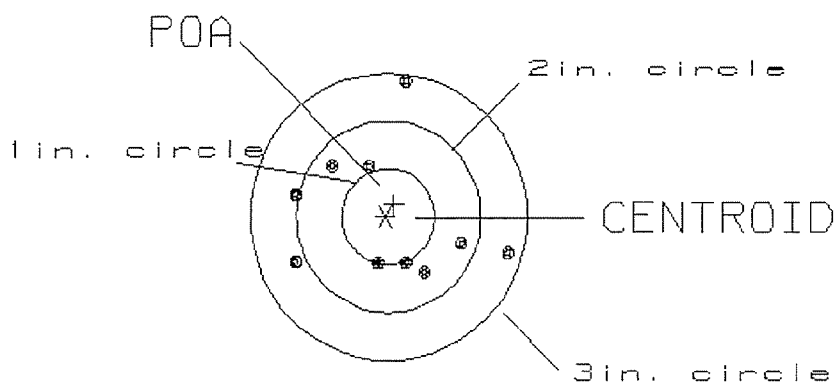
PATTERN #: 3

POA TO CENTROID: .152
 MIN RADIUS : .496
 MEAN RADIUS : .884
 MAX RADIUS : 1.421
 CENTROID X : -.090
 CENTROID Y : -.123

15 Jan 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6349139.1

CENTERFIRE PATTERN # 3



OF SHOTS= 10

IN CIRCLE

HS= 2.32

1

VS= 1.94

6

GS= 2.36

10

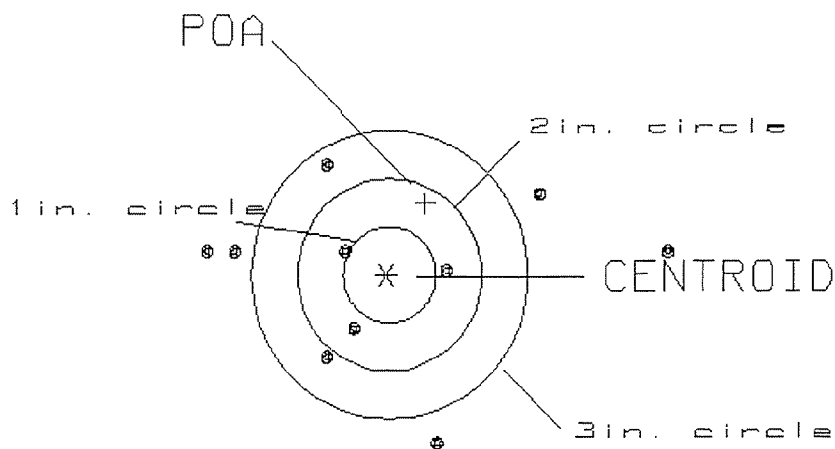
PATTERN #: 4

POA TO CENTROID: .854
 MIN RADIUS : .530
 MEAN RADIUS : 1.459
 MAX RADIUS : 3.078
 CENTROID X : -.419
 CENTROID Y : -.744

15 Jan 2001

FILE://Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6349139.1

CENTERFIRE PATTERN # 4



OF SHOTS= 10

IN CIRCLE

HS= 5.03

0

VS= 2.87

3

GS= 5.03

5

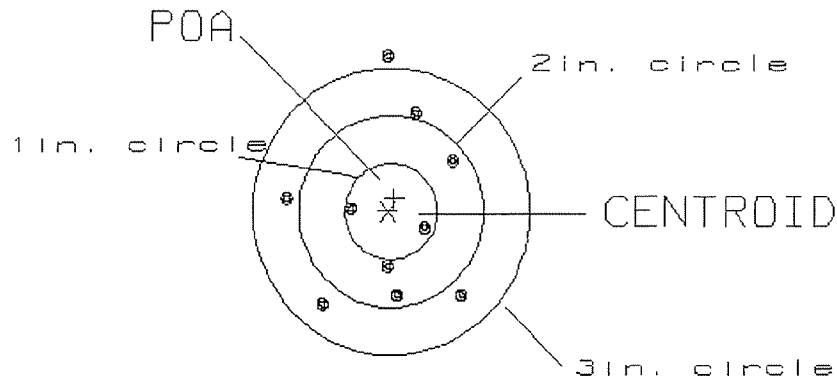
PATTERN #: 5

POA TO CENTROID: .145
 MIN RADIUS : .403
 MEAN RADIUS : .937
 MAX RADIUS : 1.634
 CENTROID X : -.065
 CENTROID Y : -.130

15 Jan 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6349139.1

CENTERFIRE PATTERN # 5



OF SHOTS= 10

IN CIRCLE

HS= 1.91
 VS= 2.58
 GS= 2.67

2
 5
 3

Remington Test Lab, Ilion, N.Y.

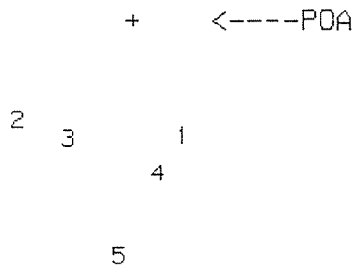
Centroidal distance calculations for Rifle # c6349139
10 Jan 2001

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.167
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.9716
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .985848

THE AMR FOR THIS RIFLE IS: 1.503

CENTROIDAL DISTANCES

Ø TO	1	.845094
1 TO	2	1.11813
1 TO	3	.781207
1 TO	4	.299817
1 TO	5	.912491



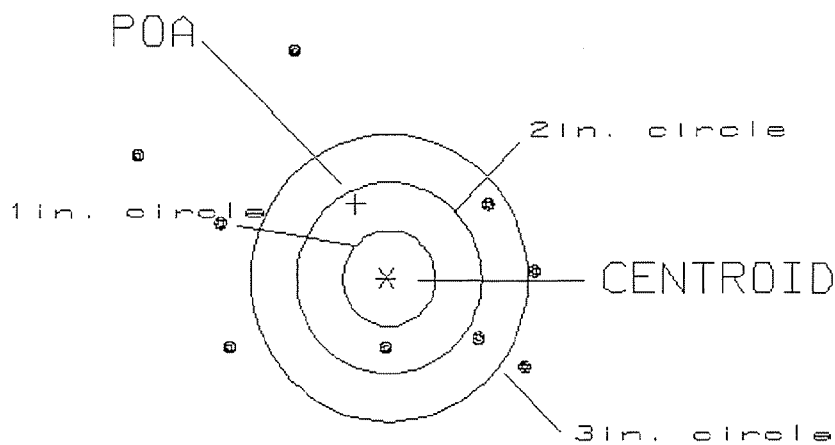
PATTERN #: 1

POA TO CENTROID: .845
 MIN RADIUS : .725
 MEAN RADIUS : 1.910
 MAX RADIUS : 3.254
 CENTROID X : .330
 CENTROID Y : -.778

10 Jan 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6349139

CENTERFIRE PATTERN # 1



OF SHOTS= 10

IN CIRCLE

HS= 5.07

0

VS= 4.63

1

GS= 6.18

3

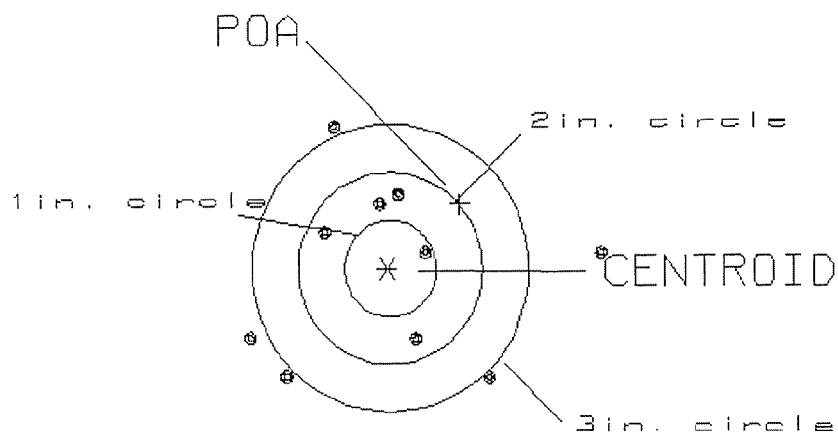
PATTERN #: ☐ 2 ☐

POA TO CENTROID: 1.031
 MIN RADIUS : .389
 MEAN RADIUS : 1.225
 MAX RADIUS : 2.309
 CENTROID X : -.783
 CENTROID Y : -.671

10 Jan 2001

FILE://Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6349139

CENTERFIRE PATTERN # 2



OF SHOTS= 10

IN CIRCLE

HS= 3.87
 VS= 2.59
 GS= 3.98

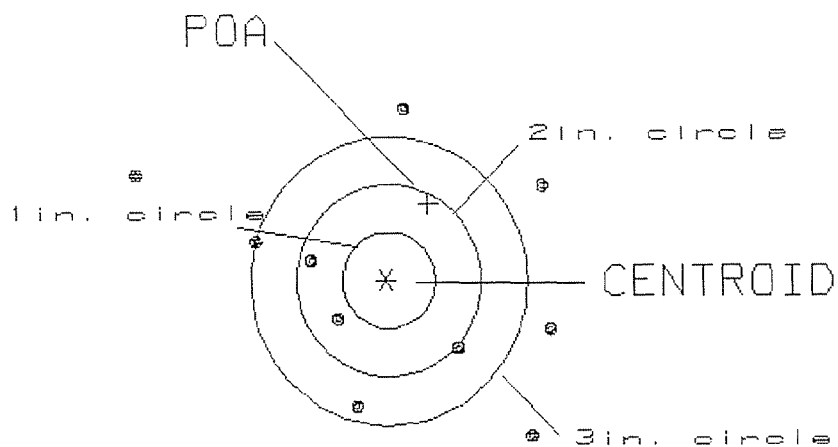
1
 5
 5

PATTERN #: 3
 POA TO CENTROID: .915
 MIN RADIUS : .645
 MEAN RADIUS : 1.632
 MAX RADIUS : 2.992
 CENTROID X : -.451
 CENTROID Y : -.796

10 Jan 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6349139

CENTERFIRE PATTERN # 3



OF SHOTS= 10

IN CIRCLE

HS= 4.58

0

VS= 3.45

2

GS= 5.15

4

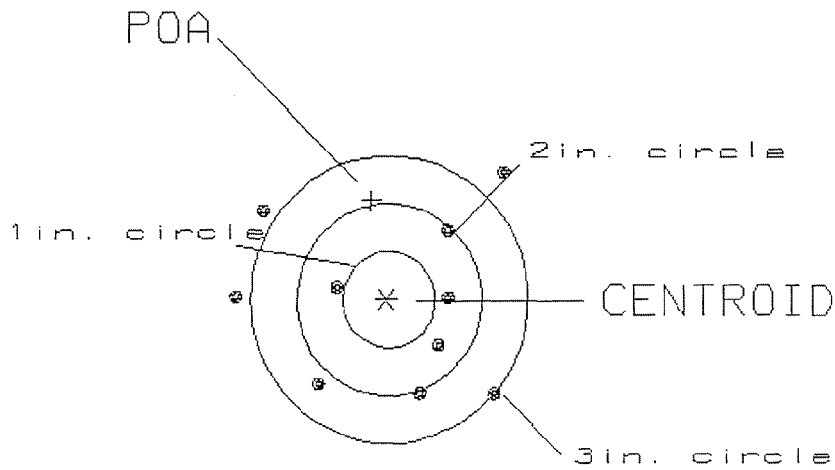
PATTERN #: ☐ 4 ☐

POA TO CENTROID: 1.040
 MIN RADIUS : .600
 MEAN RADIUS : 1.173
 MAX RADIUS : 1.796
 CENTROID X : .163
 CENTROID Y : -1.027

10 Jan 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6349139

CENTERFIRE PATTERN # 4



OF SHOTS= 10

IN CIRCLE

HS= 2.88
 VS= 2.36
 GS= 3.15

0
 4
 7

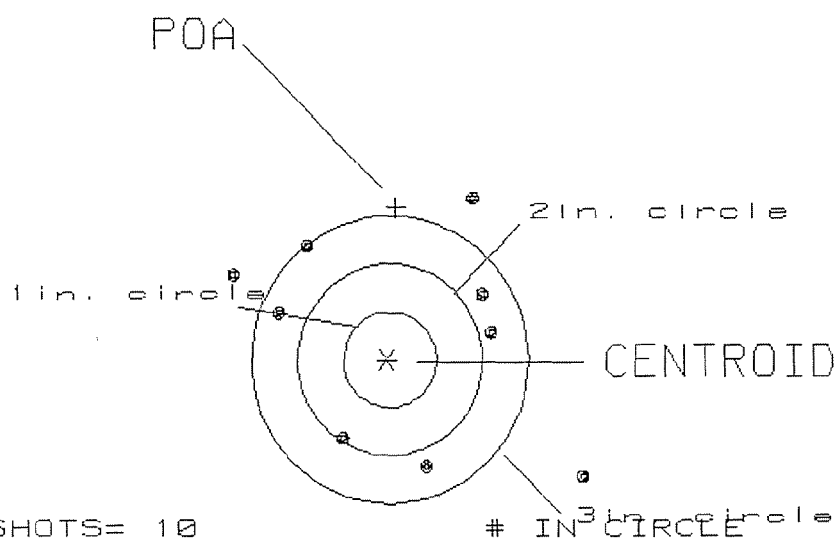
PATTERN #: 5

POA TO CENTROID: 1.588
 MIN RADIUS : .982
 MEAN RADIUS : 1.574
 MAX RADIUS : 2.425
 CENTROID X : -.094
 CENTROID Y : -1.586

10 Jan 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c5349139

CENTERFIRE PATTERN # 5



HS= 3.87
 VS= 3.68
 GS= 4.37

0
 1
 6