

C6349107

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5715**

*Includes 1 in chamber.

Remington

CONTRACT # DAAA21-87-C-0086

0683

GUN SERIAL # C6349107

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	10-9	89	RW
600	Proof	10-9	89	AC
607	Check Headspace	10-9	89	RW
610	Dis-assemble Gun	10-9	89	RW
612	Magnaflux Barrel Action		10/13/89	KCR
	Magnaflux Bolt		10/13/89	KCR
615	Rollmark Caliber			
7	Drill and Tap Sight Holes	10 1689		LB
618	Polish Barrel RB	10 1689		BT
620	Apply Coatings (Barrel Action)		10-27-89	TA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		10/30/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		10/30/89	RW
	C) Inspect Ejector Hole for Chamfer		10/30/89	RW
	D) Oil Firing Pin Ass'y		10/30/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		11/1/89	WB

op. #	OP. NAME	READINGS			DATE	INIT
625 cont.	F) Safety On Force	4	4	4	11/1/89	gll
	G) Safety Off Force	3	3	3	11/1/89	gll
	H) Trigger Pull Test & Retainability				11/1/89	WB
	I) Firing Pin Indent	.020	.020	.0205	11/1/89	gll
	J) Assemble Stock				11/2/89	RW
	K) Assemble Swivel Studs				6 Nov 89	JS
	L) Attach Front and Rear Sight Assemblies				11/1/89	RW
	M) Iron Sight Alignment				11/1/89	RW
	N) Detach Front & Rear Sights & place in numbered container				11/1/89	RW
	O) Attach Scope to Rifle				11/2/89	gll
	P) Detach & Attach Scope 20 Times				11/2/89	gll
640	Gallery Target & Test				11-3-89	AC
	A) Time				11-3-89	AC
	B) Malfunctions				11-3-89	AC
	C) Pierced Primers				11-3-89	AC
	D) Optical Clarity of Scope				11-3-89	AC
645	Inspect for Live Ammo				11-3-89	AC
655	Final Inspection					
	A) Headspace				6 Nov 89	JS
	B) Trigger Pull	228	228	221	6 Nov 89	JS
	C) Function			236 258	6 Nov 89	JS
660	Pack				14 Dec 89	JS

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

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

SERIAL NO. 9102

DATE 3-23-90

TESTER J. J.

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	2.43	2.37	2.44	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.40	2.43	2.42	
PULL #3	2.38	2.40	2.43	
PULL #4	2.32	2.37	2.40	
PULL #5	2.43	2.33	2.42	
TOTAL	11.96	11.90	12.11	
AVG.	2.392	2.38	2.422	

	3.00# INITIAL	3.00# AFTER 20 CYCLES	COMMENTS
PULL #1	3.47	3.34	
PULL #2	3.40	3.40	
PULL #3	3.42	3.41	
PULL #4	3.31	3.18	
PULL #5	3.30	3.35	
TOTAL	16.90	16.68	
AVG.	3.38	3.336	

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.58	4.60		
PULL #2	4.53	4.45		
PULL #3	4.56	4.45		
PULL #4	4.55	4.43		
PULL #5	4.47	4.32		
TOTAL	22.69	22.25		
AVG.	4.538	4.45		

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6349107
3 Nov 1989

CENTROIDAL DISTANCES

Ø TO	1	.114586
1 TO	2	.299047
1 TO	3	.470469
1 TO	4	.830114
1 TO	5	.1922

$\frac{52}{3}$ 4 <----POA

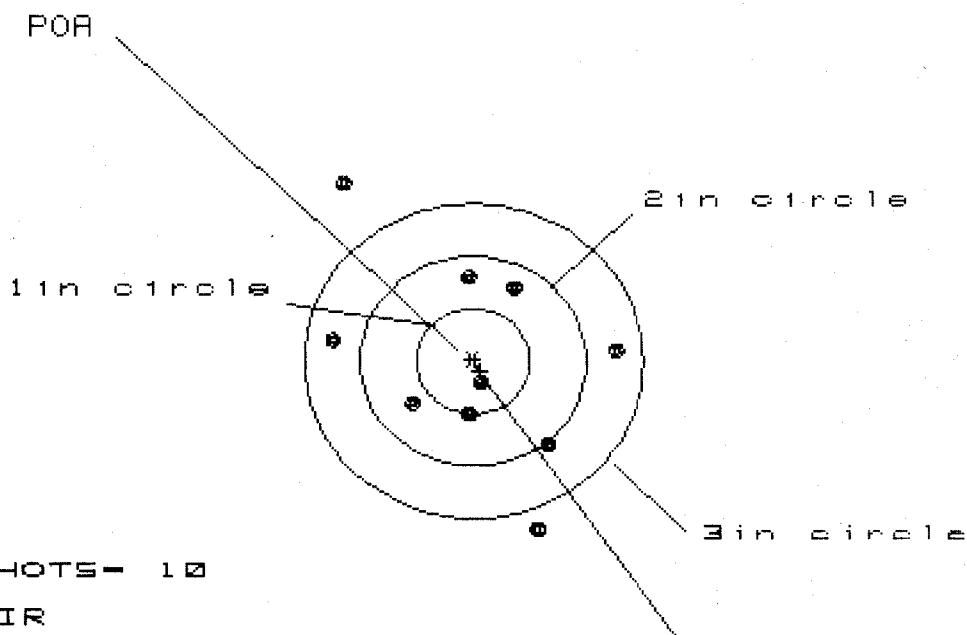
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1826
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0524
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .18997

THE AMR FOR THIS RIFLE IS: .9742

3 Nov 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6349107

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 5

3 in = 8

HS= 2.477

VS= 3.307

GS= 3.728

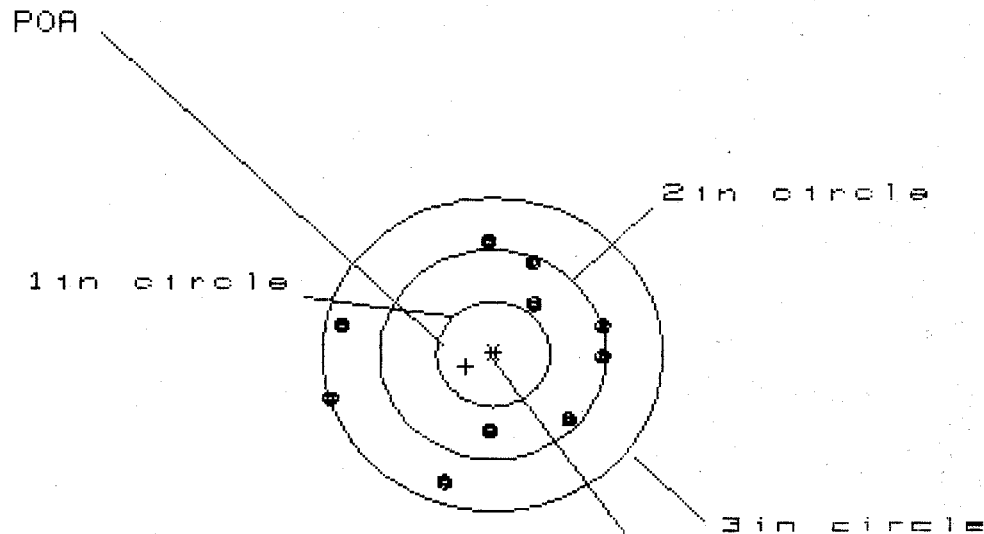
CENTROID *

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.239	1.111	1.167
MINIMUM X	:	-1.238	-1.366	-1.310
MAXIMUM Y	:	1.663	.987	.804
MINIMUM Y	:	-1.644	-1.459	-.790
CENTROID X	:	-.061	.067	.011
CENTROID Y	:	.097	-.088	.094
POA TO CENTROID in.	:	.115	.110	.095
MIN RADIUS	:	.190	.091	.187
MEAN RADIUS	:	1.016	.874	.799
MAX RADIUS	:	2.023	1.524	1.325
HORIZONTAL SPREAD	:	2.477	2.477	2.477
VERTICAL SPREAD	:	3.307	2.446	1.595
EXTREME SPREAD	:	3.728	2.577	2.478
NUMBER IN ONE INCH CIRCLE =			2	
NUMBER IN TWO INCH CIRCLE =			5	
NUMBER IN THREE INCH CIRCLE =			8	

3 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C8349107

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 0

2in = 6

3in = 10

HS= 2.393

VS= 2.330

GS= 2.475

CENTROID *

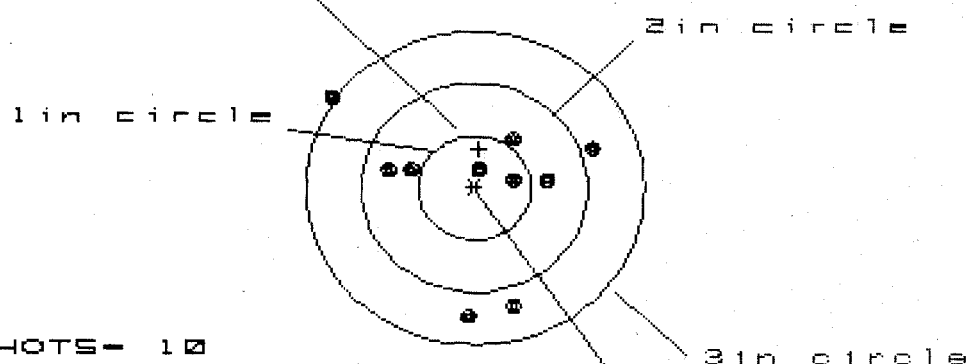
PATTERN #	:	2	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.968	.810	.623
MINIMUM X	:	-1.425	-1.494	-.754
MAXIMUM Y	:	1.112	1.062	1.091
MINIMUM Y	:	-1.218	-1.268	-1.239
CENTROID X	:	.237	.396	.583
CENTROID Y	:	.122	.172	.143
POA TO CENTROID in.	:	.267	.431	.600
MIN RADIUS	:	.576	.461	.464
MEAN RADIUS	:	1.026	.939	.830
MAX RADIUS	:	1.492	1.512	1.450
HORIZONTAL SPREAD	:	2.393	2.304	1.377
VERTICAL SPREAD	:	2.330	2.330	2.330
EXTREME SPREAD	:	2.475	2.357	2.357
NUMBER IN ONE INCH CIRCLE	=	0		
NUMBER IN TWO INCH CIRCLE	=	6		
NUMBER IN THREE INCH CIRCLE	=	10		

3 Nov 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6349107

CENTERFIRE PATTERNS # 3

POA



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 6

3 in = 10

HS= 2.275

VS= 2.101

GS= 2.531

CENTROID #

PATTERN #	3	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.054	.918	.888
MINIMUM X	-1.221	-.886	-.916
MAXIMUM Y	.863	.558	.415
MINIMUM Y	-1.238	-1.142	-1.214
CENTROID X	-.040	.096	.126
CENTROID Y	-.373	-.469	-.327
POA TO CENTROID in.	.375	.479	.350
MIN RADIUS	.153	.241	.134
MEAN RADIUS	.816	.740	.639
MAX RADIUS	1.496	1.167	1.220
HORIZONTAL SPREAD	2.275	1.804	1.804
VERTICAL SPREAD	2.101	1.700	1.629
EXTREME SPREAD	2.531	2.002	1.813
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		10	

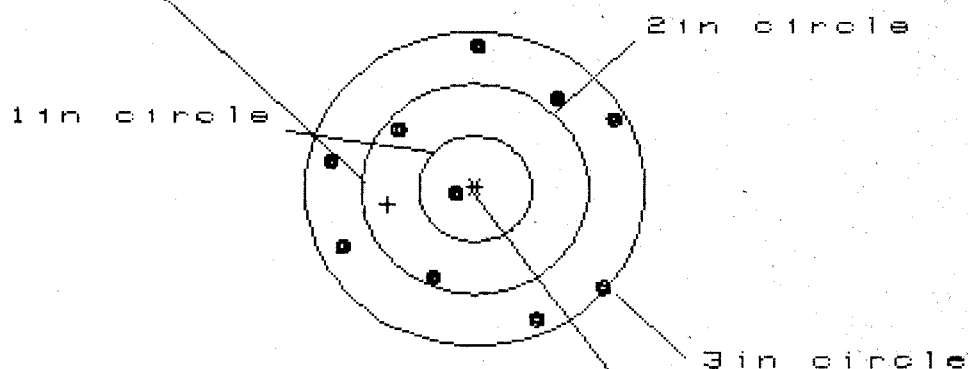
3 Nov 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6349107

CENTERFIRE PATTERNS

4

POA



OF SHOTS- 10

IN CIR

1in = 1

2in = 3

3in = 10

HS= 2.510

VS= 2.591

GS= 2.674

CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.265	1.390	1.007
MINIMUM X	:	-1.244	-1.120	-.947
MAXIMUM Y	:	1.325	1.216	1.280
MINIMUM Y	:	-1.266	-1.375	-1.311
CENTROID X	:	.768	.644	.471
CENTROID Y	:	.140	.249	.186
POA TO CENTROID in.	:	.781	.691	.506
MIN RADIUS	:	.201	.143	.113
MEAN RADIUS	:	1.120	1.053	.971
MAX RADIUS	:	1.485	1.513	1.539
HORIZONTAL SPREAD	:	2.510	2.510	1.954
VERTICAL SPREAD	:	2.591	2.591	2.591
EXTREME SPREAD	:	2.674	2.657	2.635
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		10	

3 Nov 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06349107

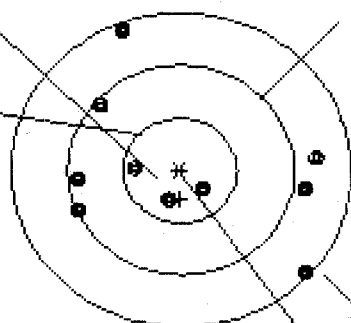
CENTERFIRE PATTERNS # 5

POA

1in circle

2in circle

3in circle



OF SHOTS- 10

IN CIR

1in = 3

2in = 6

3in = 10

HS= 2.083

VS= 2.288

GS= 2.762

CENTROID *

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.146	1.092	1.216
MINIMUM X	:	-.936	-.991	-.867
MAXIMUM Y	:	1.337	.758	.658
MINIMUM Y	:	-.952	-.803	-.372
CENTROID X	:	.009	.064	-.060
CENTROID Y	:	.276	.127	.227
POA TO CENTROID in.	:	.276	.142	.235
MIN RADIUS	:	.260	.157	.277
MEAN RADIUS	:	.893	.816	.745
MAX RADIUS	:	1.425	1.281	1.231
HORIZONTAL SPREAD	:	2.083	2.083	2.083
VERTICAL SPREAD	:	2.288	1.561	2.030
EXTREME SPREAD	:	2.762	2.342	2.098
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

Remington
 MODEL 700™ H24

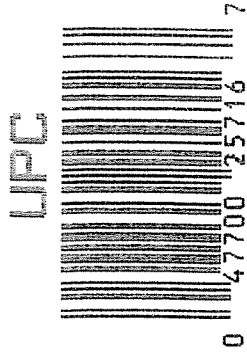
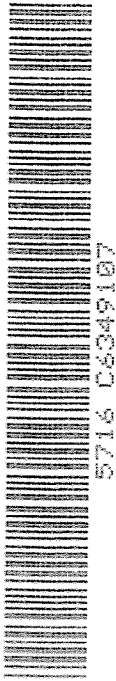
VERY IMPORTANT:
 Instruction Book
 enclosed to assure
 safe use of this
 firearm.

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

SERIAL NO.
 C6349107

ORDER NO.
 5716

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



Repair Number: **RE00021311** Serial: **C6349107** Model: **700** Center Fire Caliber: **7.62 NA10 M-24 (SW/S)** Repairman: Status: **Closed 1/22/01 10:30:15 AM**

Verify Repair

Address Information

Customer: ☒ Received From Return To: ☐ Received From

Name: **HSC 3/10 SFG (A)** **HSC 3/10 SFG (A)**

Address 1: 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: Fair 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>A009</td> <td>Soft Case</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	A009	Soft Case	1	A016	Scope Mounts	1	A017	Scope Base	1	A026	Scope	1		
Code	Desc	Qty																							
A007	With Stud	1																							
A008	With Swivel	1																							
A009	Soft Case	1																							
A016	Scope Mounts	1																							
A017	Scope Base	1																							
A026	Scope	1																							

Repair Search Refresh Close

1/22/01 3:10 PM CAPS NUM

Start Inb Hag Ar... Expl Micr Ass Part Wcr SA Slo 3:10 PM

Number: **C6349107**

Model: **700**



RE00021311

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # c6349107
24 Feb 2001

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0188
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0154
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0243023

THE AMR FOR THIS RIFLE IS: 1.563

CENTROIDAL DISTANCES

Ø TO	1	.270978
1 TO	2	.944124
1 TO	3	.676098
1 TO	4	.031305
1 TO	5	.460001

5
4
+ 3 <----POA
2

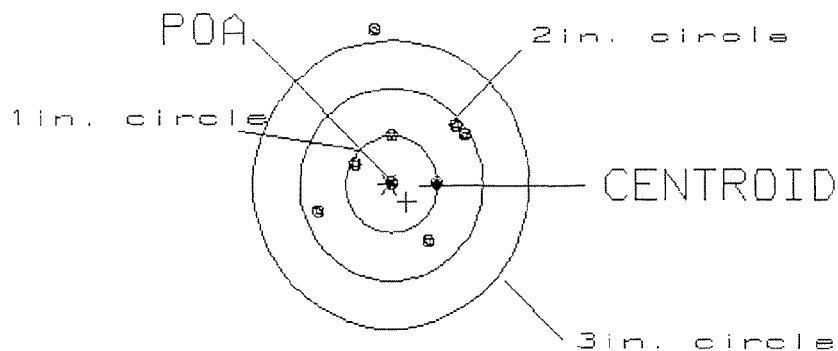
PATTERN #: 1

POA TO CENTROID: .271
 MIN RADIUS : .039
 MEAN RADIUS : .937
 MAX RADIUS : 2.787
 CENTROID X : -.198
 CENTROID Y : .185

24 Feb 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6349107

CENTERFIRE PATTERN # 1



OF SHOTS= 10

IN CIRCLE

HS= 1.84

3

US= 4.24

6

GS= 4.33

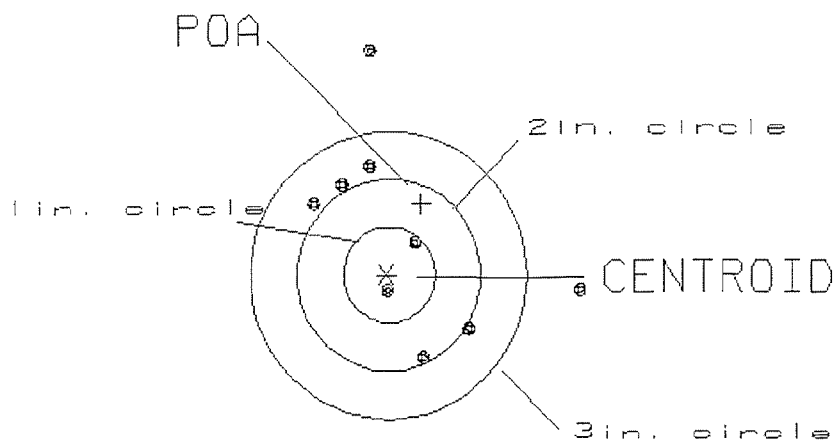
8

PATTERN #: 2
 POA TO CENTROID: .832
 MIN RADIUS : .160
 MEAN RADIUS : 1.451
 MAX RADIUS : 4.170
 CENTROID X : -.377
 CENTROID Y : -.742

24 Feb 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6349107

CENTERFIRE PATTERN # 2



OF SHOTS= 10

IN CIRCLE

HS= 3.88

2

VS= 6.04

3

GS= 6.26

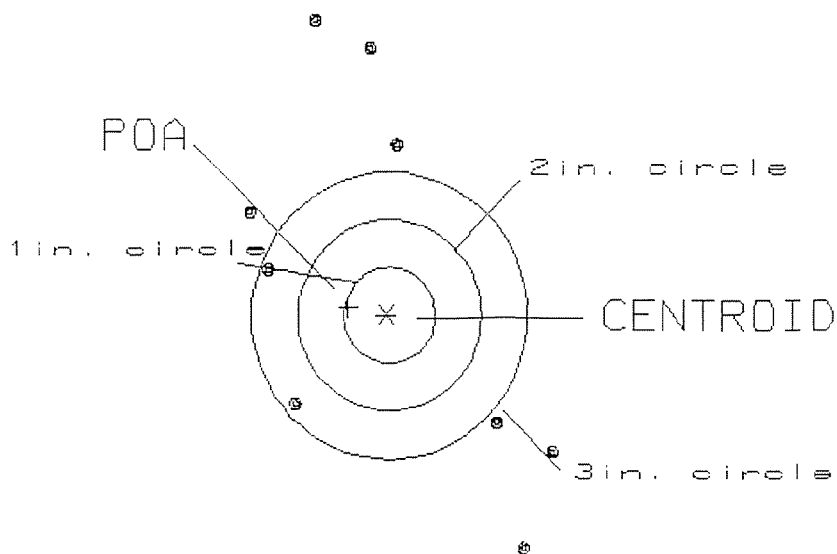
7

PATTERN #: 3
 POA TO CENTROID: .432
 MIN RADIUS : 1.359
 MEAN RADIUS : 2.212
 MAX RADIUS : 3.187
 CENTROID X : .424
 CENTROID Y : -.080

24 Feb 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6349107

CENTERFIRE PATTERN # 3



OF SHOTS= 10

IN CIRCLE

HS= 3.25

0

US= 6.21

0

GS= 6.33

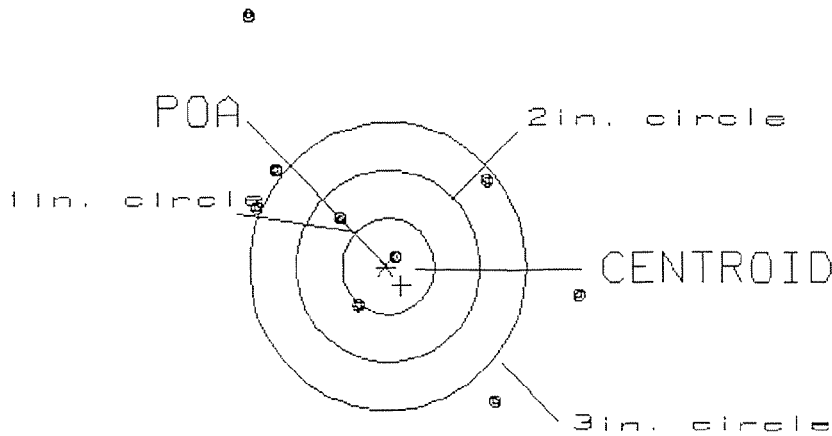
2

PATTERN #: 4
 POA TO CENTROID: .262
 MIN RADIUS : .092
 MEAN RADIUS : 1.640
 MAX RADIUS : 3.697
 CENTROID X : -.170
 CENTROID Y : .199

24 Feb 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6349107

CENTERFIRE PATTERN # 4



OF SHOTS= 10

IN CIRCLE

HS= 3.53
 VS= 6.19
 GS= 6.57

1
 3
 4

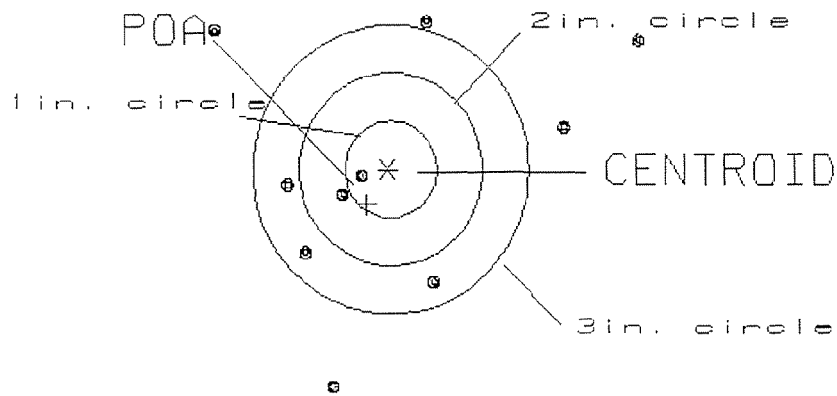
PATTERN #: 5

POA TO CENTROID: .427
 MIN RADIUS : .298
 MEAN RADIUS : 1.574
 MAX RADIUS : 2.991
 CENTROID X : .227
 CENTROID Y : .361

24 Feb 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6349107

CENTERFIRE PATTERN # 5



OF SHOTS= 10

IN CIRCLE

MS= 4.61
 US= 3.78
 GS= 4.87

1
 2
 5

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # c6349107
1 Mar 2001

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.1406
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0422
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .146796

THE AMR FOR THIS RIFLE IS: 1.194

CENTROIDAL DISTANCES

Ø TO 1	.28985
1 TO 2	.519755
1 TO 3	.63843
1 TO 4	.365548
1 TO 5	.383294

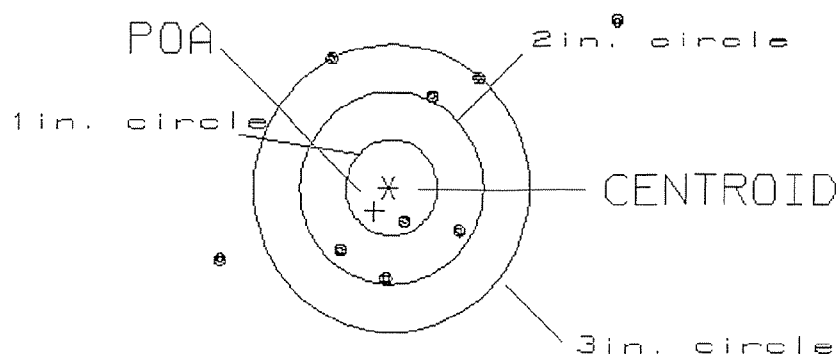
4 1
3 2 5 <----POA

PATTERN #: 010
 POA TO CENTROID: .290
 MIN RADIUS : .411
 MEAN RADIUS : 1.465
 MAX RADIUS : 2.978
 CENTROID X : .158
 CENTROID Y : .243

1 Mar 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6349107

CENTERFIRE PATTERN # 1



OF SHOTS= 10

IN CIRCLE

HS= 4.25

1

VS= 3.77

4

GS= 5.58

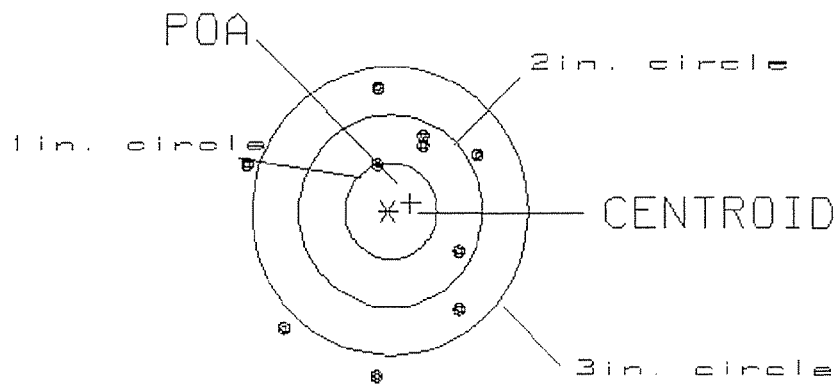
7

PATTERN #: ☐ 2 ☐
 POA TO CENTROID: .260
 MIN RADIUS : .483
 MEAN RADIUS : 1.171
 MAX RADIUS : 1.766
 CENTROID X : -.246
 CENTROID Y : -.084

1 Mar 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6349107

CENTERFIRE PATTERN # 2



OF SHOTS= 10

IN CIRCLE

HS= 2.47
 VS= 3.04
 GS= 3.04

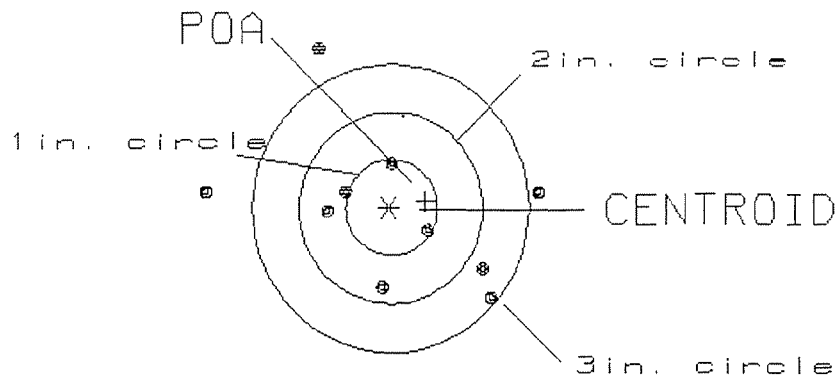
1
 4
 7

PATTERN #: 030
 POA TO CENTROID: .405
 MIN RADIUS : .478
 MEAN RADIUS : 1.115
 MAX RADIUS : 1.967
 CENTROID X : -.399
 CENTROID Y : -.069

1 Mar 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6349107

CENTERFIRE PATTERN # 3



OF SHOTS= 10

IN CIRCLE

HS= 3.54
 VS= 2.64
 GS= 3.54

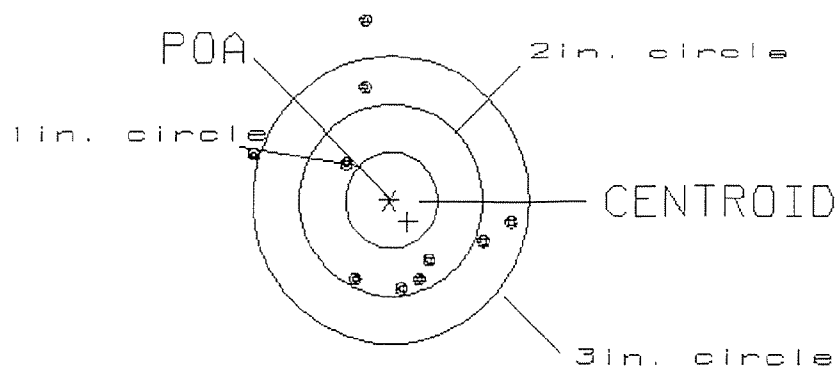
2
 5
 7

PATTERN #: 0 4 0
 POA TO CENTROID: .304
 MIN RADIUS : .618
 MEAN RADIUS : 1.119
 MAX RADIUS : 1.945
 CENTROID X : -.207
 CENTROID Y : .223

1 Mar 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6349107

CENTERFIRE PATTERN # 4



OF SHOTS= 10

IN CIRCLE

HS= 2.78

0

VS= 2.67

5

GS= 2.90

8

PATTERN #: ☐ 5 ☐

POA TO CENTROID: .103

MIN RADIUS : .476

MEAN RADIUS : 1.099

MAX RADIUS : 1.828

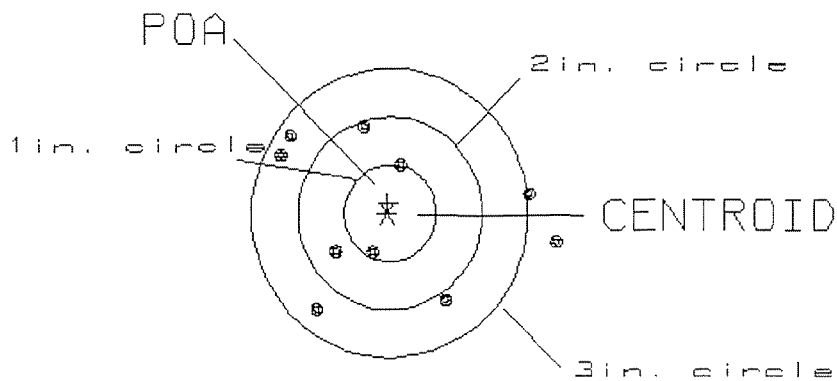
CENTROID X : -.009

CENTROID Y : -.102

1 Mar 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6349107

CENTERFIRE PATTERN # 5



OF SHOTS= 10

IN CIRCLE

HS= 2.99

2

VS= 1.94

4

GS= 3.12

8

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

R & E NUMBER <u>21311</u>			
SERIAL NUMBER <u>C-6349107</u>			
LOG-IN DATE <u>1-22-01</u>			
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	1-27-01	CK
560 A	RE-BARREL AT CUSTOM SHOP		
B	DRILL AND TAP		
C	POLISH		
575	ASSEMBLE		
600	PROOF	1-30-01	CK
605	CHECK HEADSPACE	1-30-01	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	2-7-01	CK
655	FINAL INSPECT	2-12-01	CK
660	PACK		
		SHIP DATE	
		QAR INSPECTION DATE	

Final Inspection

Sn: C-6349107

DATE REC'D: 1-22-01

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: