

C6594519

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

* Includes 1 in chamber.

Remington

GFM

CONTRACT # DAAA21-87-C-0086

Repair

GUN SERIAL # C6594519

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock			
600	Proof			
607	Check Headspace			
610	Dis-assemble Gun			
612	Magnaflux Barrel Action			
	Magnaflux Bolt			
615	Rollmark Caliber			
617	Drill and Tap Sight Holes			
618	Polish Barrel			
620	Apply Coatings (Barrel Action)			
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		2/24/93	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		2/24/93	RW
	C) Inspect Ejector Hole for Chamfer		2/24/93	RW
	D) Oil Firing Pin Ass'y		2/24/93	RW
	E) Adjust Trigger Pull to Min Setting and Stake		2/24/93	RW

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4	3		4		2/24/93	RW
	G) Safety Off Force	3	3		3		2/24/93	RW
	H) Trigger Pull Test & Retainability						2/24/93	RW
	I) Firing Pin Indent							
	J) Assemble Stock							
	K) Assemble Swivel Studs							
	L) Attach Front and Rear Sight Assemblies						2/24/93	RW
	M) Iron Sight Alignment						2/24/93	RW
	N) Detach Front & Rear Sights & place in numbered container						2/24/93	RW
	O) Attach Scope to Rifle						2/24/93	RW
	P) Detach & Attach Scope 20 Times							
640	Gallery Target & Test						2/26/93	RW
	A) Time							
	B) Malfunctions							
	C) Pierced Primers							
	D) Optical Clarity of Scope							
645	Inspect for Live Ammo						2/26/93	RW
655	Final Inspection						3/3/93	RW
	A) Headspace						3/3/93	RW
	B) Trigger Pull	2.53	2.53	2.46	2.52	2.55	3/3/93	RW
	C) Function						3/3/93	RW
660	Pack							

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6594519DATE 2/24/93TESTER RW

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.38	2.30	2.14		MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.44	2.28	2.34		
PULL #3	2.44	2.27	2.33		
PULL #4	2.45	2.28	2.15		
PULL #5	2.43	2.28	2.33		
TOTAL	12.14	11.41	11.29		
AVG.	2.41	2.28	2.26		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.27	3.20		
PULL #2	3.24	3.24		
PULL #3	3.25	3.22		
PULL #4	3.15	3.24		
PULL #5	3.25	3.19		
TOTAL	16.16	16.09		
AVG.	3.23	3.22		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.09	4.11		4.25
PULL #2	4.13	4.12		4.26
PULL #3	4.12	4.00		4.26
PULL #4	4.13	4.09		4.27
PULL #5	4.13	4.06		4.25
TOTAL	20.60	20.38		21.29
AVG.	4.12	4.08		4.26

Remington

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

MODEL 700™ H24**SERIAL NO.**
C6594519**ORDER NO.**
5716

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

Ø1



5716 C6594519

UPC

0 47700 25716 7

GUN SERIAL # C 6594519

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		10/31/90	Kd
600	Proof		10/31/90	Kd
607	Check Headspace		10/31/90	Kd
610	Dis-assemble Gun		10/31/90	Kd
612	Magnaflux Barrel Action		11/1/90	Kd
	Magnaflux Bolt		11/1/90	Kd
615	Rollmark Caliber		11/1/90	ES
617	Drill and Tap Sight Holes		11/6/90	AB
618	Polish Barrel AB		11/7/90	WB
620	Apply Coatings (Barrel Action)		11/26/90	AB
	Apply Coating (Bolt)			
625	Final Assembly		12/5/90	KS
	A) Clean inside of Bolt Assembly		12/5/90	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		12/5/90	KS
	C) Inspect Ejector Hole for Chamfer		12/5/90	KS
	D) Oil Firing Pin Ass'y		12/5/90	KS
	E) Adjust Trigger Pull to Min Setting and Stake		12/4/90	SH

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4 1/2	4 1/2	4 1/2			12/6/90	WB
	G) Safety Off Force	2 1/4	2 1/4	2 1/4			12/6/90	WB
	H) Trigger Pull Test & Retainability						12/6/90	KL
	I) Firing Pin Indent	.022	.022	.022			12/6/90	WB
	J) Assemble Stock						12/6/90	KS
	K) Assemble Swivel Studs						12-8-90	QSS
	L) Attach Front and Rear Sight Assemblies						12/6/90	KL
	M) Iron Sight Alignment						12/6/90	KL
	N) Detach Front & Rear Sights & place in numbered container						12/6/90	KL
	O) Attach Scope to Rifle						12/6/90	KL
	P) Detach & Attach Scope 20 Times						12/6/90	KL
640	Gallery Target & Test						12-7-90	AC
	A) Time						12-7-90	AC
	B) Malfunctions						12-7-90	AC
	C) Pierced Primers						12-7-90	AC
	D) Optical Clarity of Scope						12-7-90	AC
645	Inspect for Live Ammo						12-7-90	AC
655	Final Inspection							
	A) Headspace						12-8-90	QSS
	B) Trigger Pull	250	246	242	245	245	12-8-90	QSS
	C) Function						12-8-90	QSS
660	Pack						12/19/90	VF

SWS TRIGGER PULL TEST

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

SERIAL NO. C6594519
DATE 12/6/98
TESTER [Signature]

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.28	2.20	2.31	250-	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.33	2.36	2.31	246	
PULL #3	2.29	2.24	2.35	242	
PULL #4	2.28	2.38	2.36	245	
PULL #5	2.21	2.27	2.29	245	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.27	3.33		
PULL #2	3.31	3.34		
PULL #3	3.23	3.33		
PULL #4	3.18	3.28		
PULL #5	3.28	3.32		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.42	4.26		4.25
PULL #2	4.31	4.23		4.28
PULL #3	4.25	4.27		4.44
PULL #4	4.33	4.39		4.32
PULL #5	4.40	4.39		4.29
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06594519
7 Dec 1990

CENTROIDAL DISTANCES

0 TO	1	.363235
1 TO	2	.347922
1 TO	3	.436578
1 TO	4	.291172
1 TO	5	.486486

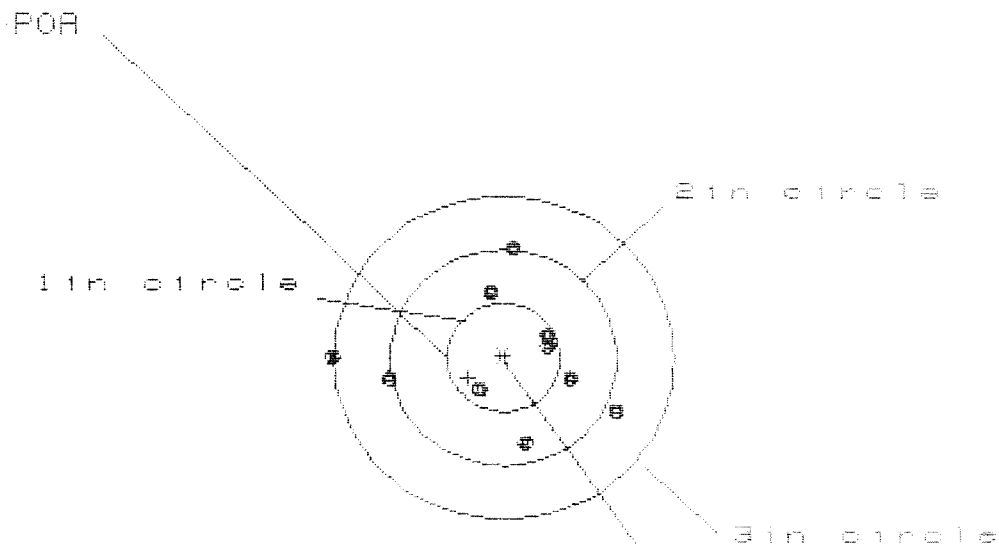
$\frac{1}{5}$ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0962
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0214
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0985515
THE AMR FOR THIS RIFLE IS: .9626

7 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06594519

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 3

2in = 8

3in = 10

HS= 2.465

VS= 1.757

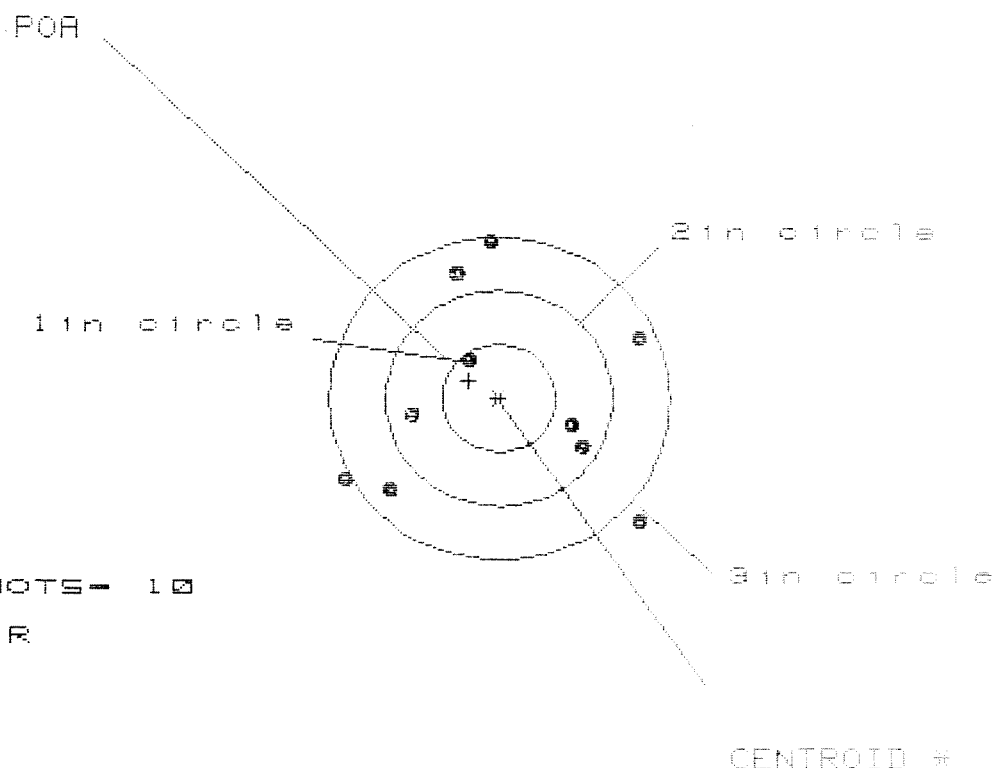
GS= 2.522

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.988	.824	.564
MINIMUM X	-1.477	-1.138	-1.035
MAXIMUM Y	.975	.976	.913
MINIMUM Y	-.782	-.781	-.845
CENTROID X	.312	.476	.373
CENTROID Y	.186	.185	.248
POA TO CENTROID in.	.363	.510	.448
MIN RADIUS	.397	.261	.350
MEAN RADIUS	.796	.686	.658
MAX RADIUS	1.477	1.149	1.059
HORIZONTAL SPREAD	2.465	1.962	1.599
VERTICAL SPREAD	1.757	1.757	1.757
EXTREME SPREAD	2.522	1.993	1.759
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	8		
NUMBER IN THREE INCH CIRCLE =	10		

7 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06534519

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 1

2in = 4

3in = 7

HS= 2.594

VS= 2.656

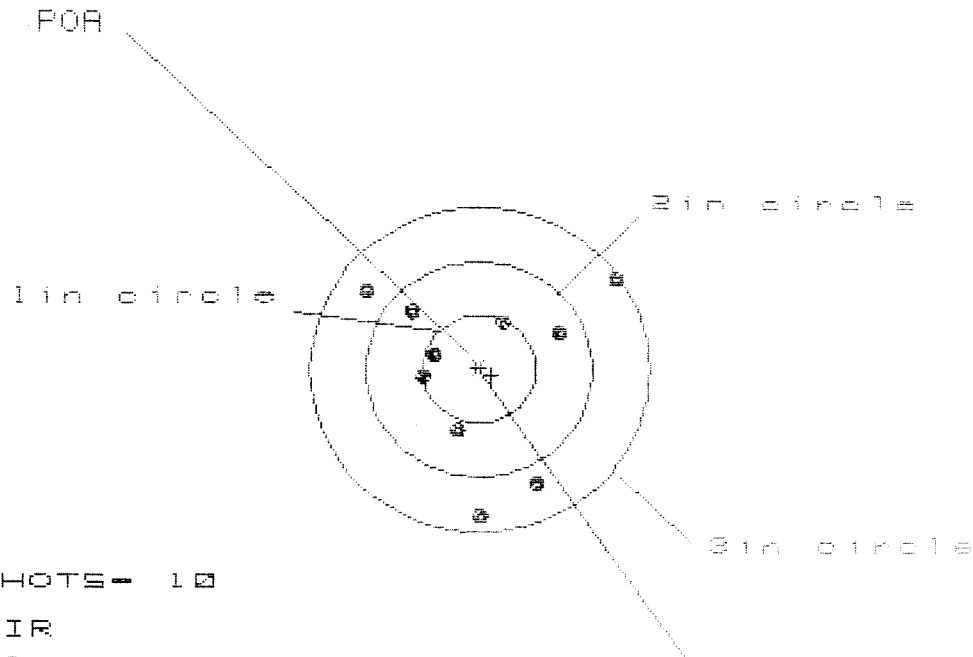
GS= 2.959

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.265	1.397	1.247
MINIMUM X	:	-1.329	-1.197	-1.009
MAXIMUM Y	:	1.498	1.369	1.255
MINIMUM Y	:	-1.158	-.936	-1.050
CENTROID X	:	.267	.135	.285
CENTROID Y	:	-.159	-.030	.084
POA TO CENTROID in.	:	.311	.138	.297
MIN RADIUS	:	.427	.248	.385
MEAN RADIUS	:	1.130	1.052	.989
MAX RADIUS	:	1.660	1.505	1.456
HORIZONTAL SPREAD	:	2.594	2.594	2.256
VERTICAL SPREAD	:	2.656	2.305	2.385
EXTREME SPREAD	:	2.959	2.931	2.648
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		7	

7 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06594519

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 6

3 in = 10

HS= 2.146

VS= 2.157

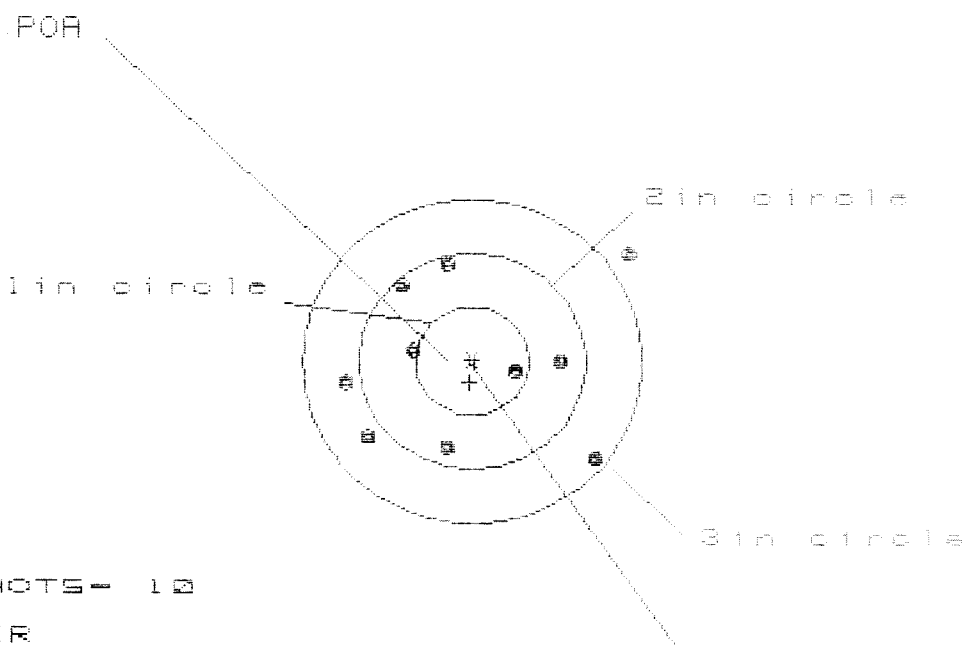
GS= 2.479

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.188	.857	.869
MINIMUM X	:	-.958	-.826	-.814
MAXIMUM Y	:	.802	.798	.639
MINIMUM Y	:	-1.355	-1.265	-1.091
CENTROID X	:	-.106	-.238	-.250
CENTROID Y	:	.060	-.030	.129
POA TO CENTROID in.	:	.121	.239	.281
MIN RADIUS	:	.432	.377	.272
MEAN RADIUS	:	.876	.796	.711
MAX RADIUS	:	1.433	1.269	1.290
HORIZONTAL SPREAD	:	2.146	1.683	1.683
VERTICAL SPREAD	:	2.157	2.063	1.730
EXTREME SPREAD	:	2.479	2.292	2.292
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

7 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08594519

CENTERFIRE PATTERNS # 4



OF SHOTS - 10

IN CIR

1in = 1

2in = 6

3in = 9

HS = 2.488

VS = 1.883

GS = 2.889

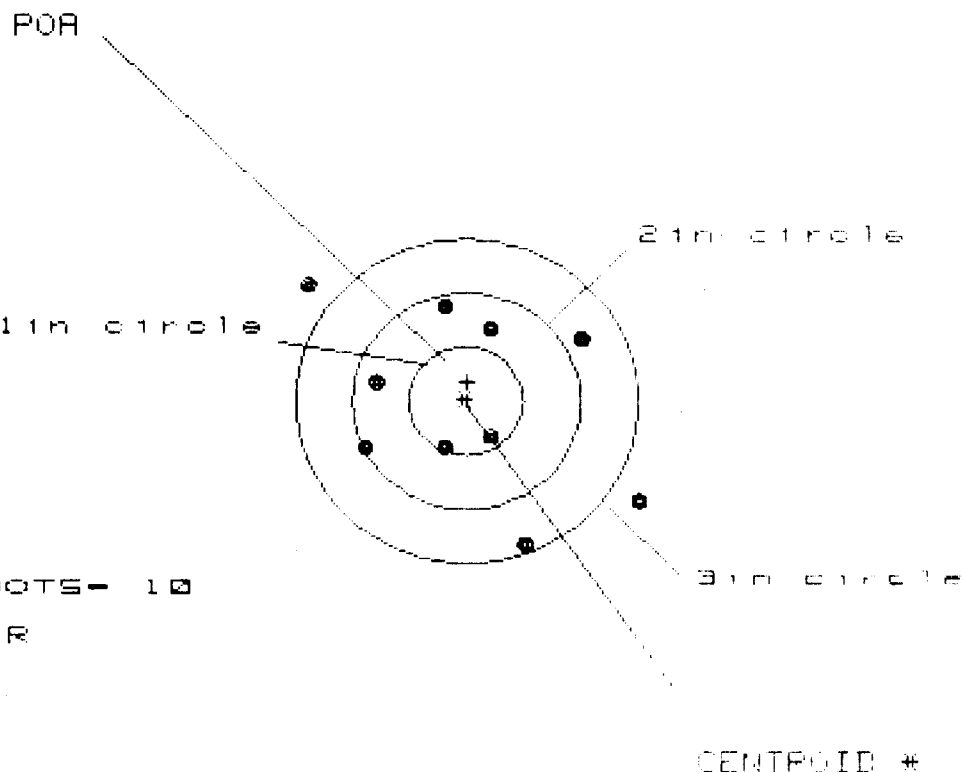
CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.371	1.266	1.056
MINIMUM X	:	-1.122	-.969	-.811
MAXIMUM Y	:	.985	1.033	.934
MINIMUM Y	:	-.898	-.789	-.819
CENTROID X	:	.021	-.132	-.298
CENTROID Y	:	.196	.087	.186
POA TO CENTROID in.	:	.197	.158	.344
MIN RADIUS	:	.364	.437	.256
MEAN RADIUS	:	.983	.889	.789
MAX RADIUS	:	1.688	1.491	1.057
HORIZONTAL SPREAD	:	2.493	2.235	1.867
VERTICAL SPREAD	:	1.883	1.822	1.753
EXTREME SPREAD	:	2.899	2.356	1.877
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

7 Dec 1998

FILE: /PATTERNING/CENTERFIRE_PATT/C6594519

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 2

2in = 5

3in = 8

HS= 2.839

VS= 2.351

GS= 3.454

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.465	1.213	1.062
MINIMUM X	:	-1.374	-1.211	-1.090
MAXIMUM Y	:	1.039	.936	.809
MINIMUM Y	:	-1.312	-1.415	-1.298
CENTROID X	:	-.013	-.176	-.025
CENTROID Y	:	-.176	-.073	-.190
POA TO CENTROID in.	:	.177	.191	.192
MIN RADIUS	:	.380	.499	.376
MEAN RADIUS	:	1.028	.935	.851
MAX RADIUS	:	1.735	1.585	1.415
HORIZONTAL SPREAD	:	2.839	2.424	1.955
VERTICAL SPREAD	:	2.351	2.351	2.187
EXTREME SPREAD	:	3.454	3.039	2.313
NUMBER IN ONE INCH CIRCLE =			2	
NUMBER IN TWO INCH CIRCLE =			6	
NUMBER IN THREE INCH CIRCLE =			8	

Arms Services Repair & Estimate System

File Add Repair Estimate Repair Expedite Repair Inquiry Repair Tools CSF Tools Reports Table Maintenance System Maintenance Help

Repair Inquiry

Repair Number: **RE00028198** Serial: C6594519 Model 700 Center Fire Caliber: 7.62 NATO M-24 (SWS) Repairman: Status: Closed 6/5/01 10:13:19 AM

Verify Repair

Address Information

Customer: Received From: Return To: Received From:

Name: TRANSPORTATION OFFICER TRANSPORTATION OFFICER

Address 1: COOK DR_KNOX ST COOK DR_KNOX ST

Address 2: PO Box: PO Box:

City: FORT BRAGG FORT BRAGG

State: NC Zip Code: 28310 Country: US State: NC Zip Code: 28310 Country: US

FFL: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Contact / Condition Problems Estimate History / Status Shipping / Billing

Contact Information

Phone: Fax: Email: Comments:

Received Condition

Poor

Condition Notes: CSR Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	1
A010	Hard Case	1
A017	Scope Base	1

Repair Search Refresh Close

name: 6/5/01 11:22 AM CAPS NUM NS SCPL

Start Inbox Part SAP Stoc Free Goog Arm 11:22 AM

Serial Number: **C6594519**

Model: **700**



RE00028198

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # c6594519
22 Jun 2001

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0318
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.2182
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .220505

THE AMR FOR THIS RIFLE IS: .9394

CENTROIDAL DISTANCES

0	TO	1	.0985089
1	TO	2	.162484
1	TO	3	.480227
1	TO	4	.139488
1	TO	5	.1386

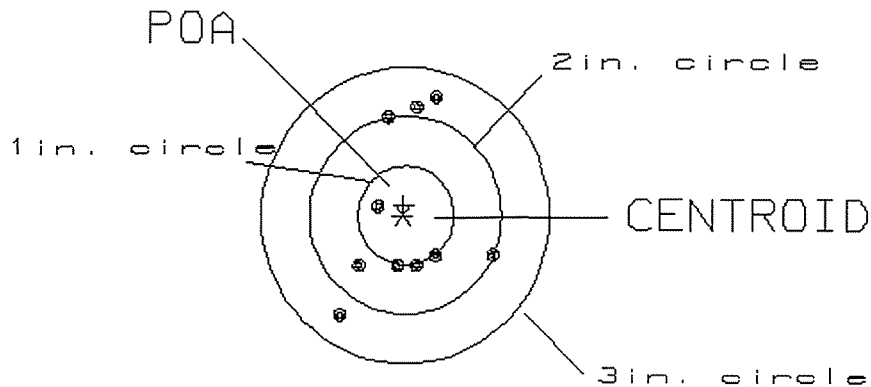
27
54
3
<----POA

PATTERN #: ☐ 1 ☐
 POA TO CENTROID: .098
 MIN RADIUS : .317
 MEAN RADIUS : .810
 MAX RADIUS : 1.280
 CENTROID X : -.010
 CENTROID Y : -.098

22 Jun 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6594519

CENTERFIRE PATTERN # 1



OF SHOTS= 10

IN CIRCLE

HS= 1.62

2

VS= 2.21

7

GS= 2.45

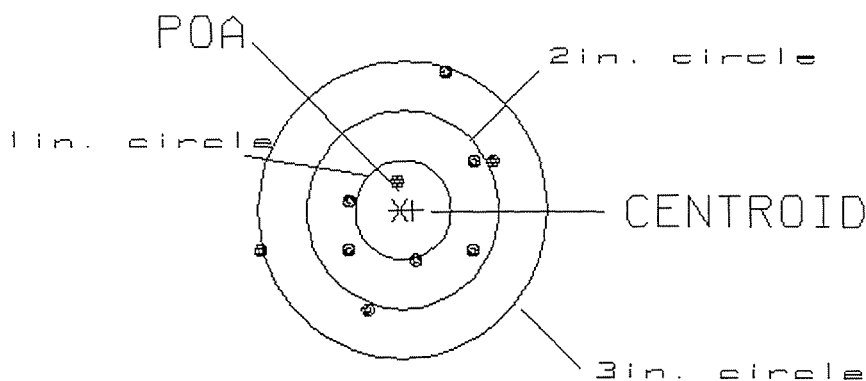
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PATTERN #: ☐ 2 ☐
 POA TO CENTROID: .134
 MIN RADIUS : .336
 MEAN RADIUS : .893
 MAX RADIUS : 1.519
 CENTROID X : -.134
 CENTROID Y : .007

22 Jun 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6594519

CENTERFIRE PATTERN # 2



OF SHOTS= 10

IN CIRCLE

HS= 2.40

1

VS= 2.36

6

GS= 2.60

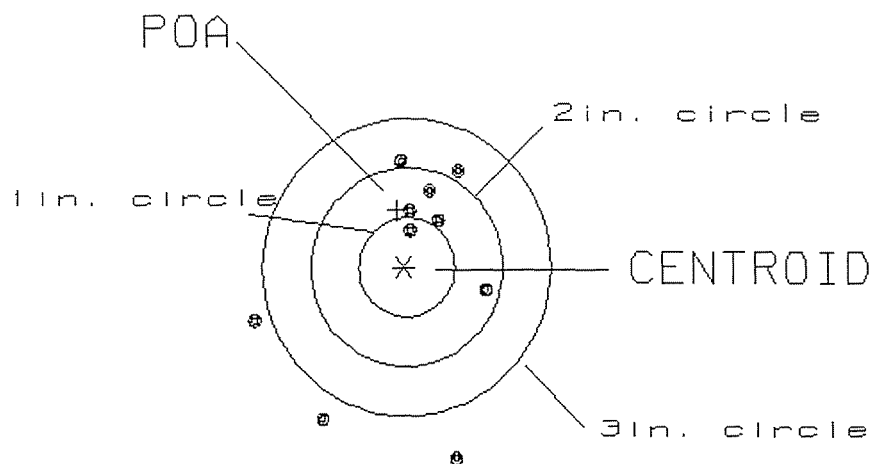
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PATTERN #: 3
 POA TO CENTROID: .576
 MIN RADIUS : .334
 MEAN RADIUS : 1.070
 MAX RADIUS : 2.047
 CENTROID X : .073
 CENTROID Y : -.571

22 Jun 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6594519

CENTERFIRE PATTERN # 3



OF SHOTS= 10

IN CIRCLE

HS= 2.33
 VS= 3.01
 GS= 3.06

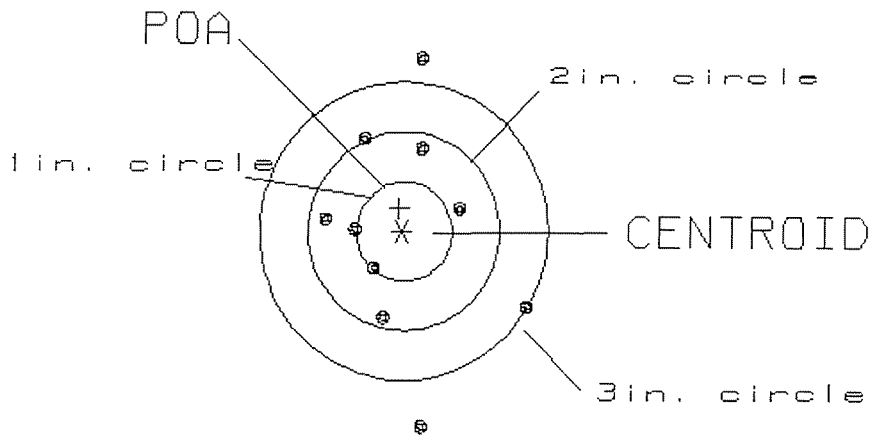
1
 5
 7

PATTERN #: ☐ 4 ☐
 POA TO CENTROID: .235
 MIN RADIUS : .511
 MEAN RADIUS : 1.057
 MAX RADIUS : 1.948
 CENTROID X : .021
 CENTROID Y : -.234

22 Jun 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6594519

CENTERFIRE PATTERN # 4



OF SHOTS= 10

IN CIRCLE

HS= 2.16
 VS= 3.70
 GS= 3.70

0
 6
 7

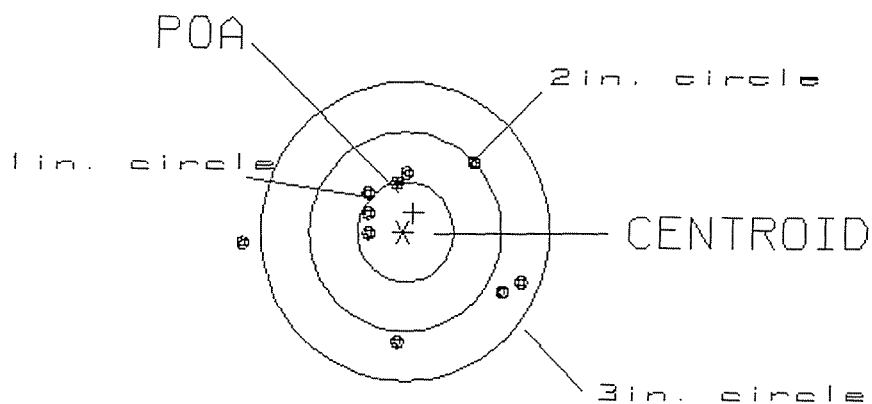
PATTERN #: 050

POA TO CENTROID: .223
MIN RADIUS : .379
MEAN RADIUS : .867
MAX RADIUS : 1.652
CENTROID X : -.109
CENTROID Y : -.195

22 Jun 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6594519

CENTERFIRE PATTERN # 5



OF SHOTS= 10

IN CIRCLE

HS= 2.90

3

VS= 1.81

6

GS= 2.93

9