

05225397

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5715**

*Includes: 1 in chamber.

Remington.

Snow

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225397

OP. #	OP. NAME	INTERCHANGEABILITY READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	1 25	89	RW
600	Proof	1 25	89	RW
607	Check Headspace	1 25	89	RW
610	Dis-assemble Gun	1 25	89	RW
612	Magnaflux Barrel Action		1-27-89	RW
	Magnaflux Bolt		1-27-89	RWR
615	Rollmark Caliber			
617	Drill and Tap Sight Holes	2 1	89	FB
618	Polish Barrel	2 1	89	BT
620	Apply Coatings (Barrel Action)		2-10-89	TJA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		2/23/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		2/23/89	RW
	C) Inspect Ejector Hole for Chamfer		2/23/89	RW
	D) Oil Firing Pin Ass'y		2/23/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		24/26/89	918

op. #	BARBER - M24 0059937 OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	5	5			27 Feb 89	JS
	G) Safety Off Force	3	3	3			27 Feb 89	JS
	H) Trigger Pull Test & Retainability						24 Feb 89	JS
	I) Firing Pin Indent	.0205	.020	.021			27 Feb 89	JS
	J) Assemble Stock						3/3/89	RW
	K) Assemble Swivel Studs						8 Mar 89	JS
	L) Attach Front and Rear Sight Assemblies						3/3/89	RW
	M) Iron Sight Alignment						3/3/89	RW
	N) Detach Front & Rear Sights & place in numbered container						3/3/89	RW
	O) Attach Scope to Rifle						3/6/89	WB
	P) Detach & Attach Scope 20 Times						3/6/89	WB
640	Gallery Target & Test	68 R	84 L				3-7-89	AC
	A) Time						"	AC
	B) Malfunctions			NONE			"	AC
	C) Pierced Primers			NONE			"	AC
	D) Optical Clarity of Scope			OK			"	AC
645	Inspect for Live Ammo			NONE			3-7-89	AC
655	Final Inspection							
	A) Headspace						8 Mar 89	JS
	B) Trigger Pull	2.34	2.32	2.27	2.27	2.31	8 Mar 89	JS
	C) Function						8 Mar 89	JS
660	Pack						22 Mar 89	JS

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

SERIAL NO. 5397DATE 3-31-90TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.38	2.32		2.28	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.42	2.44		2.16	
PULL #3	2.40	2.44		2.15	
PULL #4	2.43	2.38		2.18	
PULL #5	2.44	2.31		2.22	
TOTAL	12.07	11.89		10.99	
AVG.	2.414	2.378		2.198	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.40	3.43		
PULL #2	3.17	3.42		
PULL #3	3.44	3.44		
PULL #4	3.41	3.40		
PULL #5	3.37	3.45		
TOTAL	16.79	17.14		
AVG.	3.358	3.428		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.18	4.47		
PULL #2	4.39	4.46		
PULL #3	4.42	4.50		
PULL #4	4.44	4.47		
PULL #5	4.48	4.42		
TOTAL	21.91	22.32		
AVG.	4.382	4.464		

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06225397
8 Mar 1989

CENTROIDAL DISTANCES

0 TO	1	.373034
1 TO	2	.394975
1 TO	3	.492468
1 TO	4	.175616
1 TO	5	.359912

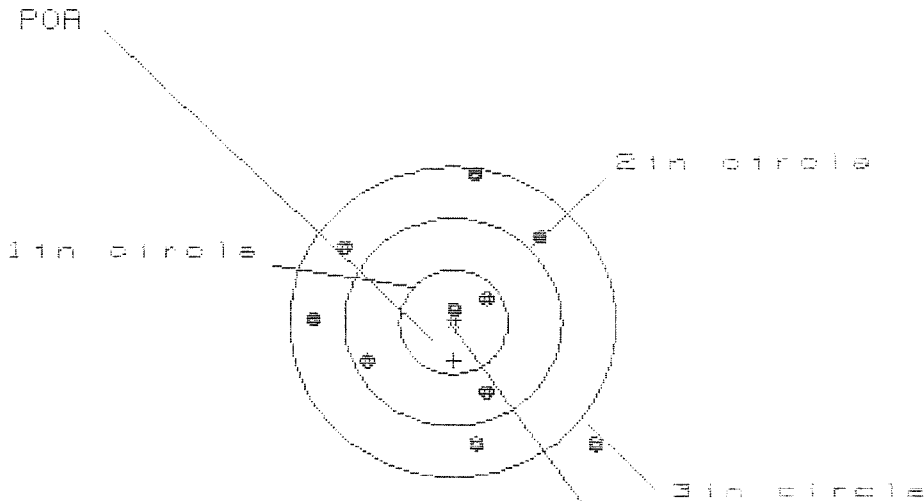
$\frac{1}{3} \sigma^2$ (----FOR

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0636
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .2488
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .2568
THE AMR FOR THIS RIFLE IS: .9772

8 Mar 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08225387

CENTERFIRE PATTERNS # 1



OF SHOTS = 10

IN CIR

1 in = 2

2 in = 4

3 in = 8

HS = 2.588

VS = 2.541

GS = 2.896

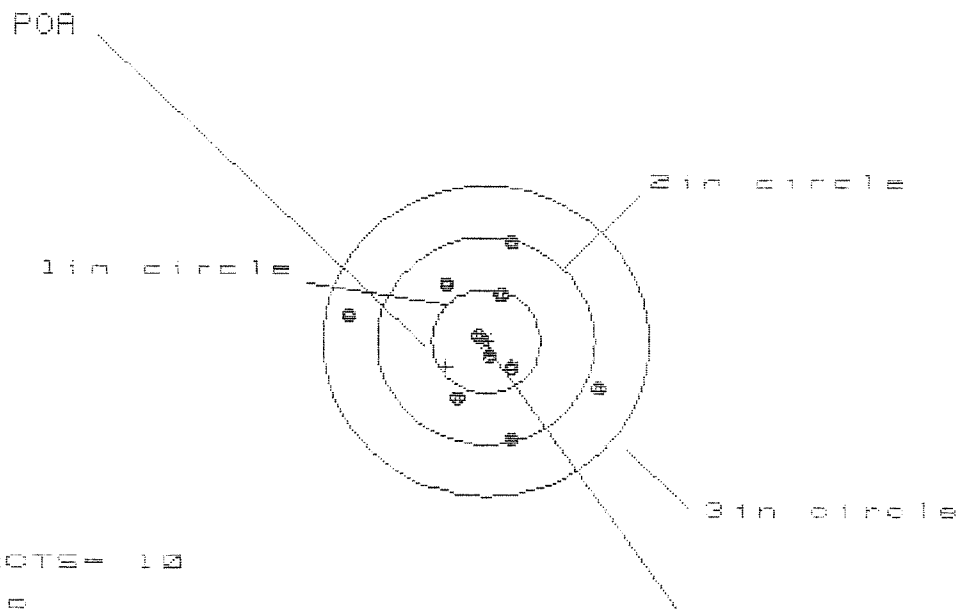
CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.281	.986	1.027
MINIMUM X	-1.307	-1.165	-1.124
MAXIMUM Y	1.402	1.277	.829
MINIMUM Y	-1.139	-1.264	-1.105
CENTROID X	-.005	-.147	-.188
CENTROID Y	.373	.498	.339
POA TO CENTROID in.	.373	.520	.387
MIN RADIUS	.082	.172	.295
MEAN RADIUS	1.004	.929	.874
MAX RADIUS	1.705	1.318	1.320
HORIZONTAL SPREAD	2.588	2.151	2.151
VERTICAL SPREAD	2.541	2.541	1.934
EXTREME SPREAD	2.896	2.541	2.290
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	9		

8 Mar 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C8225397

CENTERFIRE PATTERNS # 2



OF SHOTS = 10

IN CIR

1in = 3

2in = 7

3in = 10

HS = 2.337

VS = 1.879

GS = 2.447

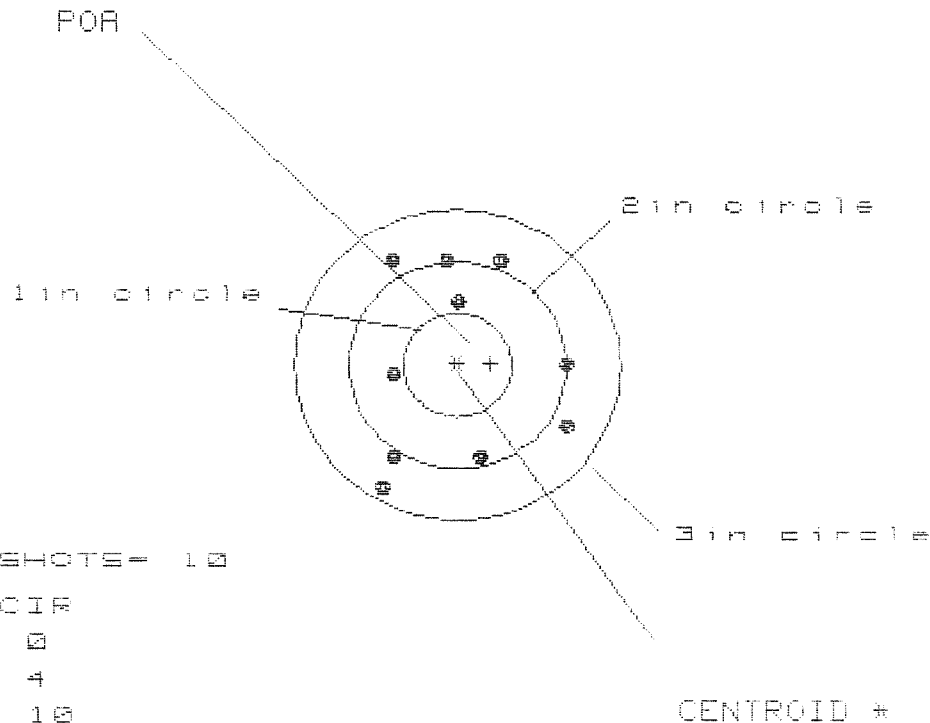
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.043	.899	.235
MINIMUM X	:	-1.294	-.521	-.468
MAXIMUM Y	:	.982	1.013	.962
MINIMUM Y	:	-.897	-.866	-.917
CENTROID X	:	.369	.513	.408
CENTROID Y	:	.246	.215	.266
POA TO CENTROID in.	:	.444	.556	.480
MIN RADIUS	:	.040	.187	.067
MEAN RADIUS	:	.669	.600	.533
MAX RADIUS	:	1.325	1.021	.991
HORIZONTAL SPREAD	:	2.337	1.420	.643
VERTICAL SPREAD	:	1.879	1.879	1.879
EXTREME SPREAD	:	2.447	1.879	1.879
NUMBER IN ONE INCH CIRCLE =			3	
NUMBER IN TWO INCH CIRCLE =			7	
NUMBER IN THREE INCH CIRCLE =			10	

8 Mar 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225397

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1 in = 0

2 in = 4

3 in = 10

HS= 1.685

VS= 2.212

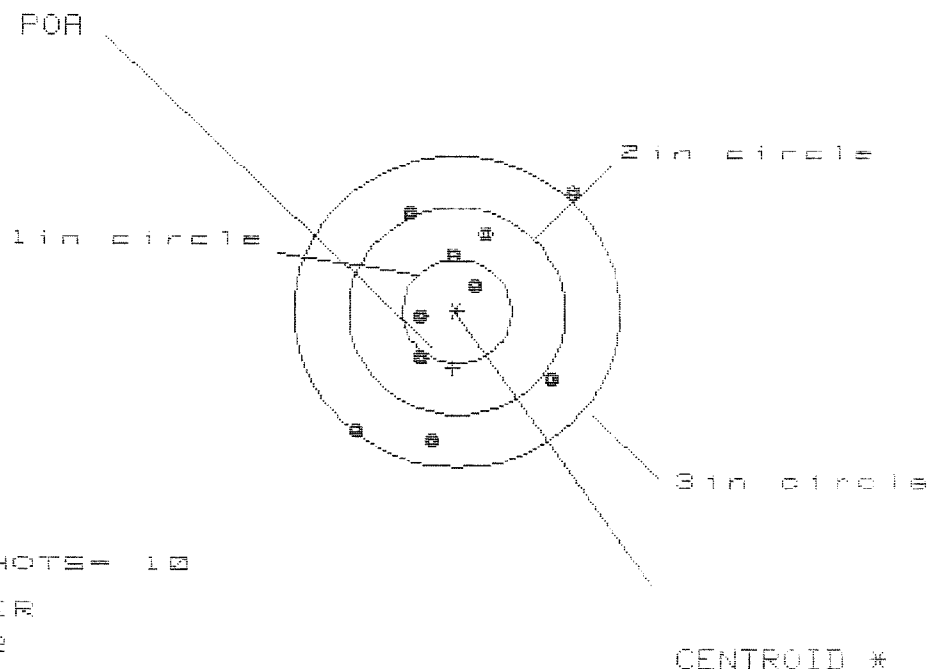
GS= 2.491

PATTERN #	3
SHOTS (BEST OF)	10
MAXIMUM X	.963
MINIMUM X	-.722
MAXIMUM Y	1.057
MINIMUM Y	-1.155
CENTROID X	-.307
CENTROID Y	-.016
POA TO CENTROID in.	.308
MIN RADIUS	.587
MEAN RADIUS	1.000
MAX RADIUS	1.362
HORIZONTAL SPREAD	1.685
VERTICAL SPREAD	2.212
EXTREME SPREAD	2.491
NUMBER IN ONE INCH CIRCLE =	0
NUMBER IN TWO INCH CIRCLE =	4
NUMBER IN THREE INCH CIRCLE =	10

8 Mar 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225337

CENTERFIRE PATTERNS # 4



OF SHOTS = 10

IN CIR

1 in = 2

2 in = 5

3 in = 8

HS = 2.007

VS = 2.345

GS = 3.050

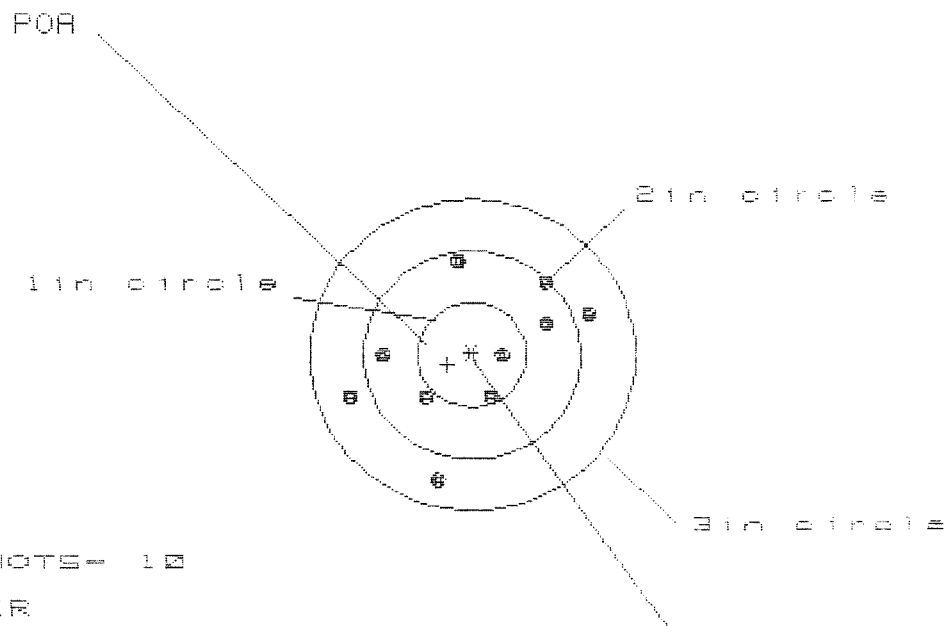
PATTERN #	4		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.029	.920	.881
MINIMUM X	-.978	-.525	-.410
MAXIMUM Y	1.111	.979	.945
MINIMUM Y	-1.234	-1.366	-1.244
CENTROID X	.035	.144	.029
CENTROID Y	.544	.676	.554
POA TO CENTROID in.	.545	.691	.555
MIN RADIUS	.310	.157	.306
MEAN RADIUS	.893	.801	.733
MAX RADIUS	1.538	1.405	1.262
HORIZONTAL SPREAD	2.007	1.445	1.291
VERTICAL SPREAD	2.345	2.345	2.189
EXTREME SPREAD	3.050	2.657	2.198
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		8	

8 Mar 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08225357

CENTERFIRE PATTERNS

5



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 7

3 in = 10

HS= 2.175

VS= 2.096

GS= 2.331

CENTROID *

PATTERN #	5
SHOTS (BEST OF)	10
MAXIMUM X	1.082
MINIMUM X	-1.093
MAXIMUM Y	.938
MINIMUM Y	-1.158
CENTROID X	.226
CENTROID Y	.097
POA TO CENTROID in.	.246
MIN RADIUS	.244
MEAN RADIUS	.820
MAX RADIUS	1.211
HORIZONTAL SPREAD	2.175
VERTICAL SPREAD	2.096
EXTREME SPREAD	2.331
NUMBER IN ONE INCH CIRCLE =	2
NUMBER IN TWO INCH CIRCLE =	7
NUMBER IN THREE INCH CIRCLE =	10

INTERCHANGEABILITY

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06225397
20 Mar 1989

CENTROIDAL DISTANCES

0 TO	1	.439174
1 TO	2	.463212
1 TO	3	.75104
1 TO	4	.392822
1 TO	5	.512676

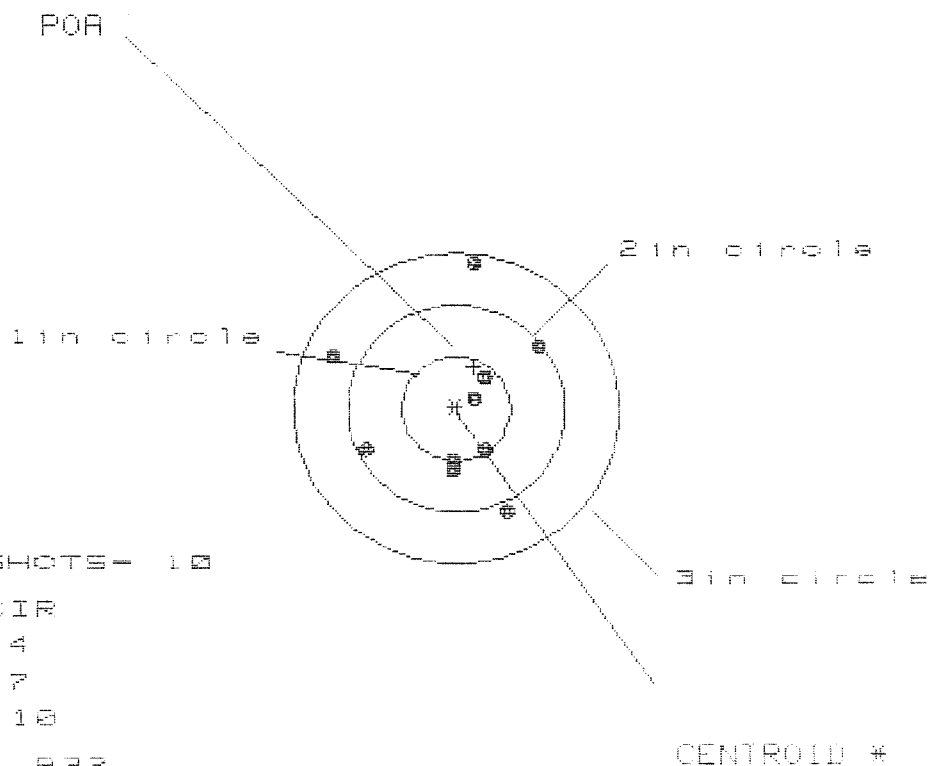
$\frac{1}{14}$ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1442
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1362
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .198353
THE AMR FOR THIS RIFLE IS: .8762

28 Mar 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08225387

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1 in = 4

2 in = 7

3 in = 10

HS= 1.832

VS= 2.344

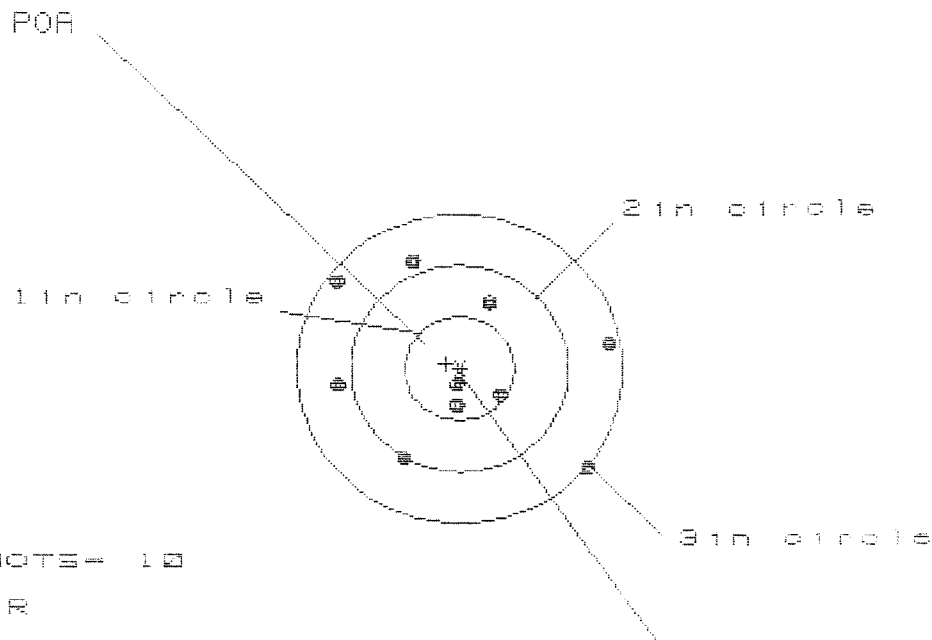
GS= 2.370

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.737	.753	.618
MINIMUM X	-1.095	-1.079	-.971
MAXIMUM Y	1.359	.713	.798
MINIMUM Y	-.985	-.834	-.749
CENTROID X	-.165	-.181	-.646
CENTROID Y	-.467	-.558	-.643
POA TO CENTROID in.	.439	.586	.645
MIN RADIUS	.207	.316	.186
MEAN RADIUS	.769	.682	.578
MAX RADIUS	1.366	1.277	1.009
HORIZONTAL SPREAD	1.832	1.832	1.589
VERTICAL SPREAD	2.344	1.547	1.547
EXTREME SPREAD	2.370	2.195	1.864
NUMBER IN ONE INCH CIRCLE =	4		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	10		

28 Mar 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06225397

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1 in = 3

2 in = 5

3 in = 9

HS= 2.529

VS= 2.028

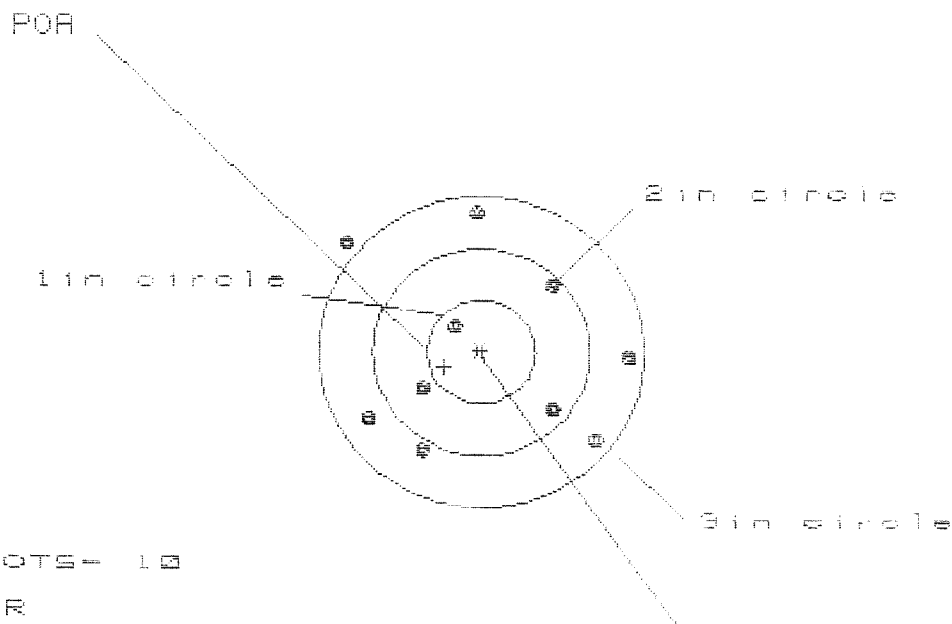
GS= 2.905

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.425	1.550	.716
MINIMUM X	:	-1.104	-.979	-.785
MAXIMUM Y	:	1.034	.923	.937
MINIMUM Y	:	-.994	-.919	-.905
CENTROID X	:	.124	-.001	-.195
CENTROID Y	:	-.045	.066	.052
POA TO CENTROID in.	:	.132	.066	.202
MIN RADIUS	:	.134	.276	.297
MEAN RADIUS	:	.923	.872	.793
MAX RADIUS	:	1.507	1.554	1.094
HORIZONTAL SPREAD	:	2.529	2.529	1.501
VERTICAL SPREAD	:	2.028	1.842	1.842
EXTREME SPREAD	:	2.905	2.609	1.866
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

28 Mar 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06225397

CENTERFIRE PATTERNS # 3



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 4

3 in = 9

HS = 2.536

VS = 2.267

GS = 2.952

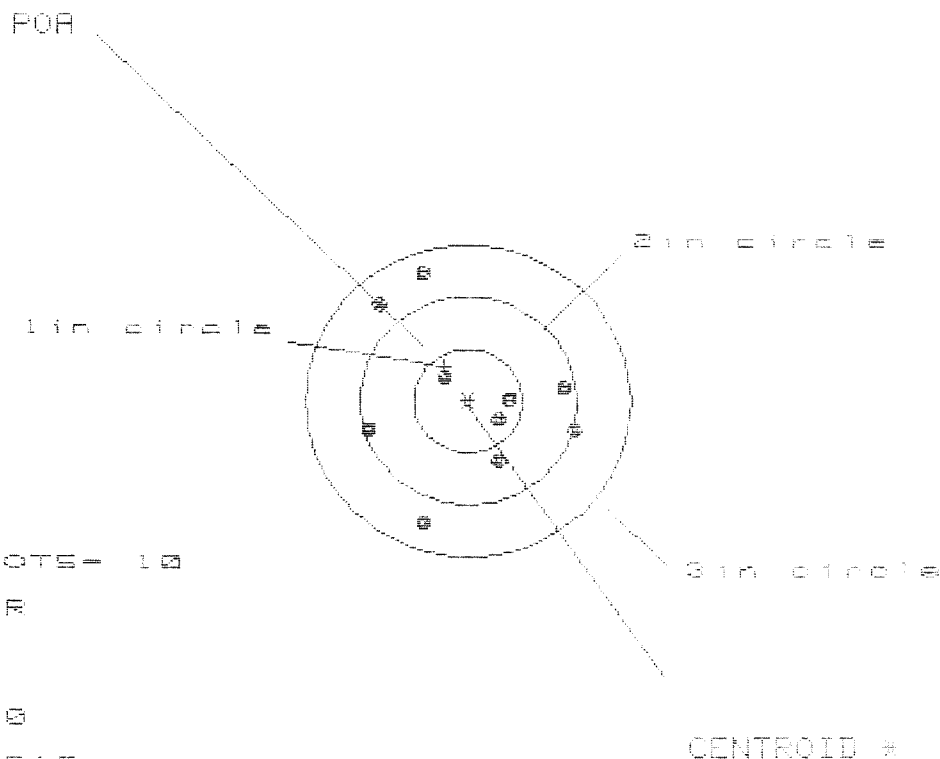
CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.336	1.203	1.080
MINIMUM X	-1.200	-1.200	-1.058
MAXIMUM Y	1.316	1.436	1.447
MINIMUM Y	-0.951	-0.831	-0.820
CENTROID X	.341	.474	.324
CENTROID Y	.148	.028	.017
POA TO CENTROID in.	.372	.475	.324
MIN RADIUS	.332	.511	.429
MEAN RADIUS	1.065	.998	.955
MAX RADIUS	1.619	1.445	1.447
HORIZONTAL SPREAD	2.536	2.411	2.138
VERTICAL SPREAD	2.267	2.267	2.267
EXTREME SPREAD	2.952	2.477	2.384
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =		4	
NUMBER IN THREE INCH CIRCLE =			9

28 Mar 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08225387

CENTERFIRE PATTERNS # 4



OF SHOTS = 10

IN CIR

1 in = 3

2 in = 6

3 in = 10

HS = 1.916

VS = 2.403

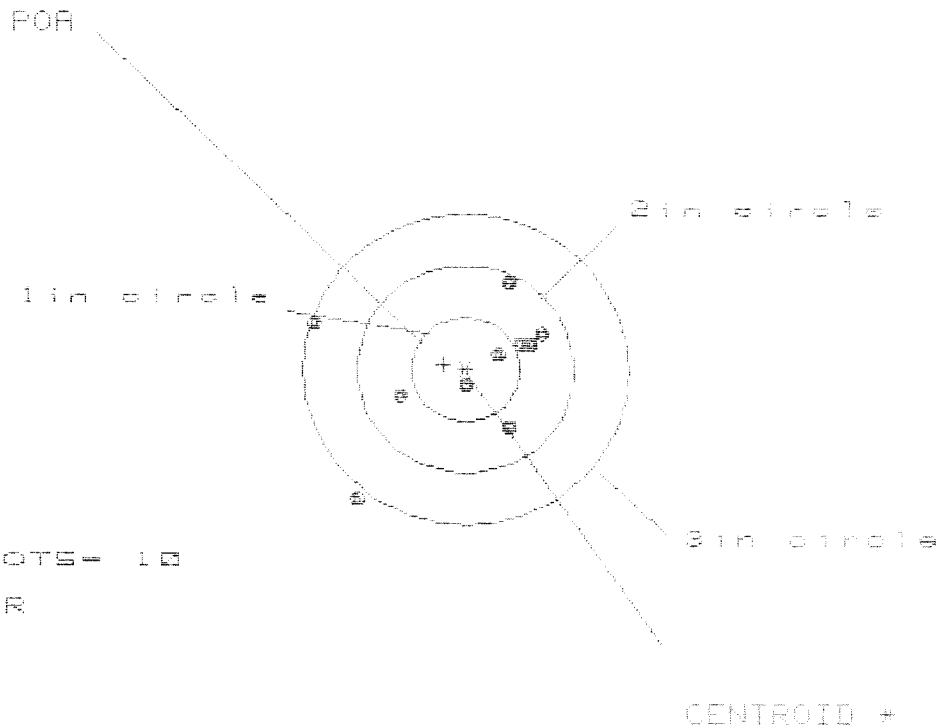
GS = 2.403

PATTERN #	1	4	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.020	.971	.858
MINIMUM X	-.896	-.945	-1.058
MAXIMUM Y	1.235	1.083	.460
MINIMUM Y	-1.168	-1.031	-.895
CENTROID X	.220	.269	.382
CENTROID Y	-.329	-.466	-.602
POA TO CENTROID in.	.396	.538	.713
MIN RADIUS	.269	.259	.178
MEAN RADIUS	.836	.756	.660
MAX RADIUS	1.310	1.411	1.088
HORIZONTAL SPREAD	1.916	1.916	1.916
VERTICAL SPREAD	2.403	2.114	1.358
EXTREME SPREAD	2.403	2.248	1.916
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		10	

28 Mar 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08225397

CENTERFIRE PATTERNS # 5



OF SHOTS - 10

IN CIR

1 in = 2

2 in = 8

3 in = 9

HS = 2.084

VS = 2.104

GS = 2.567

PATTERN #	5
SHOTS (BEST OF)	10
MAXIMUM X	.711
MINIMUM X	-1.373
MAXIMUM Y	.822
MINIMUM Y	-1.282
CENTROID X	.201
CENTROID Y	-.048
POA TO CENTROID in.	.206
MIN RADIUS	.136
MEAN RADIUS	.788
MAX RADIUS	1.642
HORIZONTAL SPREAD	2.084
VERTICAL SPREAD	2.104
EXTREME SPREAD	2.567
NUMBER IN ONE INCH CIRCLE	2
NUMBER IN TWO INCH CIRCLE	8
NUMBER IN THREE INCH CIRCLE	9

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C 6225397

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			
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head			
	C) Inspect Ejector Hole for Chamfer			
	D) Oil Firing Pin Ass'y			
	E) Adjust Trigger Pull to Min Setting and Stake			

op. #	BARBER - M24 0059952 OP. NAME	READINGS				DATE	INIT
625 cont.	F) Safety On Force						
	G) Safety Off Force						
	H) Trigger Pull Test & Retainability						
	I) Firing Pin Indent						
	J) Assemble Stock						
	K) Assemble Swivel Studs						
	L) Attach Front and Rear Sight Assemblies						
	M) Iron Sight Alignment						
	N) Detach Front & Rear Sights & place in numbered container						
	O) Attach Scope to Rifle						
	P) Detach & Attach Scope 20 Times						
640	Gallery Target & Test	15 RPs Test				72491	V/H
	A) Time						
	B) Malfunctions						
	C) Pierced Primers						
	D) Optical Clarity of Scope						
645	Inspect for Live Ammo						
655	Final Inspection						
	A) Headspace						
	B) Trigger Pull						
	C) Function						
660	Pack						

RECEIVING AND ESTIMATING REPORT

INITIAL JJM		CUSTOMER ORDER NO.		COMMENTS W/10X SCOPE & TOOL BOX M-24 SNIPER	
DATE RECEIVED 07/02/91	DATE OPENED 07/08/91	DATE CODE	SERIAL NUMBER C6225397	MODEL AND GRADE 700 7.62 NATO	
ACCESSORIES W/STUDS		SCOPE MNTS	SCOPE BASE	HARD CASE	
					ORDER R 91-13575

FROM:

D CO 782ND MAINTANCE BA
FORT BRAGG NC 28307
USA

SHIP TO:

D CO 782ND MAINTANCE BA
FORT BRAGG NC
USA 28307

ACCOUNT NUMBER	ACCOUNT NUMBER N/C	WRITE ☐	CLEAN/TEST	PROM. DATE	ESTIMATED	VIA UPS
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REPAIR CHARGE	TAX	INSURANCE	UPS	PARCEL POST	TOTAL
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GUN CONDITION:

☐ NEW☐ SLIGHTLY WORN☒ VERY WORN☐ MISUSED☐ MARRED

CUSTOMER'S REQUEST

MAIN FAULT

- ① REPOWDER COAT ABL ACTION
- ② RE-POWDER COAT TRIGGER GUARD
- ③ RE FIX BOLT ~~SCREW~~ LATCH
- ④ RE ZINC PLAS SCOPE RINGS & SCREWS

PARTS PARTS REPLACED						
1-96044-SCOPE DUST COVER REAR						
	REPAIRMAN	PROOF	CLEAN	TEST	TARGET	PATTERN
	GALLERY TESTER	DATE	DATE	DATE	DATE	DATE

OFFICE COPY

RD6925 REV. 7/90

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 00599539992

MAINTENANCE REQUEST				PAGE NO		NO OF PAGES		REQUIREMENTS CONTROL SYMBOL CSGLD - 1047(R1)			
For use of this form, see DA PAM 738-750, the proponent agency is DCSLOG											
SECTION I - EQUIPMENT DATA											
CONTROL NUMBER		WORK ORDER NO.			WESDC		ORG. PD		PD AUTHENTICATION <i>Robert A. Burkhart</i>		
☐ Work Request ☐ MWO ☒ Warranty Claim		1A. ORGANIZATION <i>D Co 782d Mt. Bn Ft. Monmouth NJ</i>			B. LOCATION				C. UNIT IDENT CODE <i>W113700</i>		
2. SERIAL NO. <i>66225397</i>		3. NOUN NOMENCLATURE <i>RIFLE 7.62</i>			4. LINE NO. <i>M/2</i>		5. MODEL <i>M-24</i>		6. NATIONAL STOCK NUMBER <i>100501-210-2136</i>		
7A. MAINTENANCE ACTIVITY		B. LEVEL	8. UTILIZATION CODE	9A. MCSR ITEM	9B. ERC	9C. PACING ITEM	10. HOURS		11. MILES	12. ROUNDS	13. STARTS
14. FAILURE DETECTED DURING (Select one - use ☒ or X)						15. FIRST INDICATION OF TROUBLE (Select one - use ☒ or X)					
☒ A Sch. Main.		☐ C Test	☐ E Storage	☐ G Flight	☒ 068 Inoperative		☐ 258 Overheating		☐ 790 Out of Adjustment		
☐ B Handling		☐ D Normal Op	☐ F Inspection	☐ H Other	☐ 008 Noisy		☐ 387 Low Performance		☐ Other		
16A. DESCRIBE DEFICIENCIES OR SYMPTOMS ON THE BASIS OF COMPLETE CHECKOUT AND DIAGNOSTIC PROCEDURE IN EQUIPMENT TM (Do not prescribe repairs). <i>BOLT LOCK LATCH SPRING</i>											
B. REMARKS											
SECTION II - WORK ACCOMPLISHED											
17A. REPAIR ORGANIZATION/ACTIVITY				C. UNIT IDENT. CODE		18. TYPE ORGANIZATION/ACTIVITY ACCOMPLISHING WORK (Select one - use ☒ or X)				19. AMS ACCT CODE	
B. LOCATION						☐ 1 TOE ☐ 2 TD ☐ 3 Contractor					
20A. ACT. CODE	B. FAILURE CODE	C. COMPONENT/PART NOUN, SVC, OR MWO NO.			D. MANHOURS (Hrs. & tenths)	E. NATIONAL STOCK NUMBER		F. PART SOURCE CODE	G. QTY.	H. PARTS COST	
		(1) CB CODE	(2) REF DESIGN.	(3) MFR. CODE							
					.						\$
					.						\$
					.						\$
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					.						\$
					.						\$
					I. TOTAL MANHOURS		J. TOTAL MANHOURS COST		K. TOTAL PARTS COST		
							\$		\$		
21. DELAY (Select One)											
☐ 1 Parts	☐ 2 Manpower	☐ 3 Facilities	☐ 4 Funds	☐ 5 Tools	22.		Data Transcribed				
23. SUBMITTED BY <i>Robert A. Burkhart</i>		24. RECEIVED BY		25. WORK STARTED BY		26. INSPECTED BY		27. ACCEPTED BY		28. DISPOSITION (Select One)	
JULIAN DATE <i>1184</i>		JULIAN DATE		JULIAN DATE		JULIAN DATE		JULIAN DATE		☐ A To User ☐ D Evacuated ☐ B To Stock ☐ E Cannibalization ☐ C Salvaged	

Remington®

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

UPPONT

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

MODEL 700™ H24

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

SERIAL NO.
06225397

ORDER NO.
5716

20

5716 06225397

UPC

0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C 6725397

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 RB		11/7/99	WB
620	Apply Coatings (Barrel Action)			
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly			
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head			
	C) Inspect Ejector Hole for Chamfer			
	D) Oil Firing Pin Ass'y			
	E) Adjust Trigger Pull to Min Setting and Stake		11/14/99	G.S.

BARBER - M24 0059957

op. #	OP. NAME	READINGS	DATE	INIT
625 cont.	F) Safety On Force			
	G) Safety Off Force			
	H) Trigger Pull Test & Retainability		11/14/89	G.S.
	I) Firing Pin Indent			
	J) Assemble Stock		11/19/89	KW
	K) Assemble Swivel Studs			
	L) Attach Front and Rear Sight Assemblies			
	M) Iron Sight Alignment			
	N) Detach Front & Rear Sights & place in numbered container			
	O) Attach Scope to Rifle			
	P) Detach & Attach Scope 20 Times			
640	Gallery Target & Test			
	A) Time			
	B) Malfunctions			
	C) Pierced Primers			
	D) Optical Clarity of Scope			
645	Inspect for Live Ammo			
655	Final Inspection			
	A) Headspace			
	B) Trigger Pull	2.73 2.14 2.72 2.32 2.69	15 Nov 89	MS
	C) Function		15 Nov 89	JS
660	Pack		12/20/89	WES

BARBER - M24 0059958

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

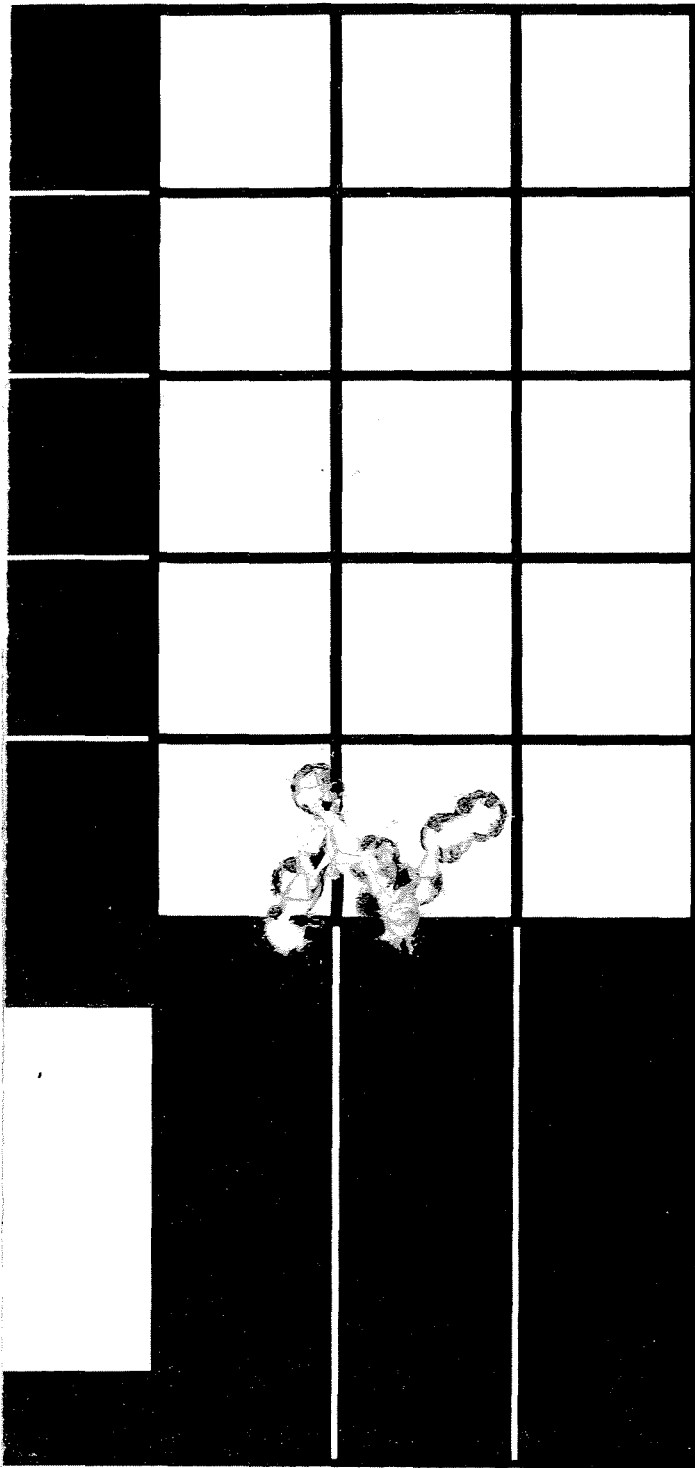
SERIAL NO. C6225397DATE 14 NOV 89TESTER 428

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	2.58	2.27	2.39	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.65	2.43	2.22	
PULL #3	2.23	2.45	2.54	
PULL #4	2.30	2.49	2.42	
PULL #5	2.40	2.30	2.29	
TOTAL	12.16	12.14	11.86	
AVG.	2.432	2.428	2.372	

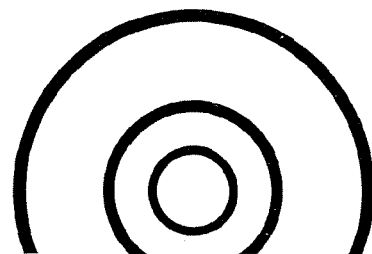
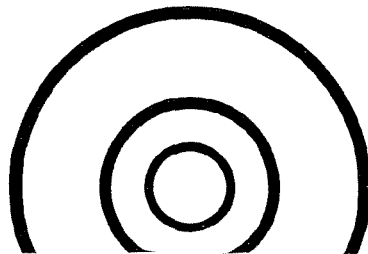
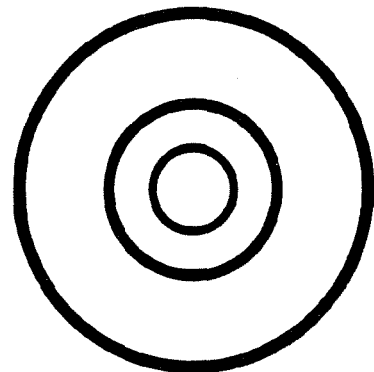
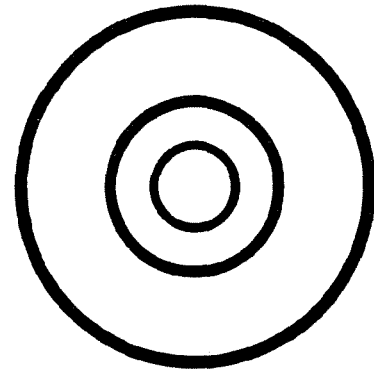
	3.00# INITIAL	3.00# AFTER 20 CYCLES	COMMENTS
PULL #1	3.12	3.21	
PULL #2	3.21	3.38	
PULL #3	3.34	3.23	
PULL #4	3.33	3.49	
PULL #5	3.43	3.27	
TOTAL	16.43	16.58	
AVG.	3.286	3.316	

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.15	3.82		4.19
PULL #2	4.12	4.08		4.01
PULL #3	4.06	3.99		4.05
PULL #4	4.03	4.01		4.24
PULL #5	4.19	3.94		4.05
TOTAL	20.55	19.84		20.54
AVG.	4.11	3.968		4.108

[illegible]

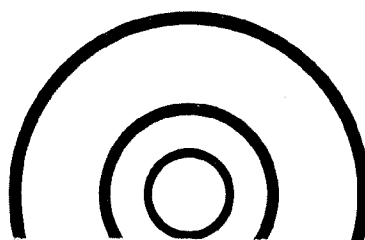
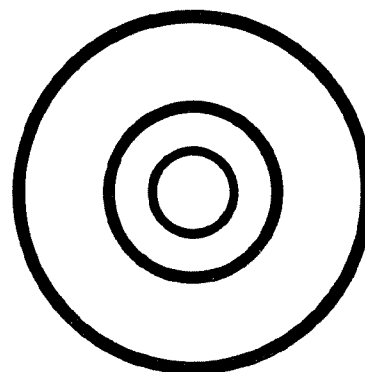
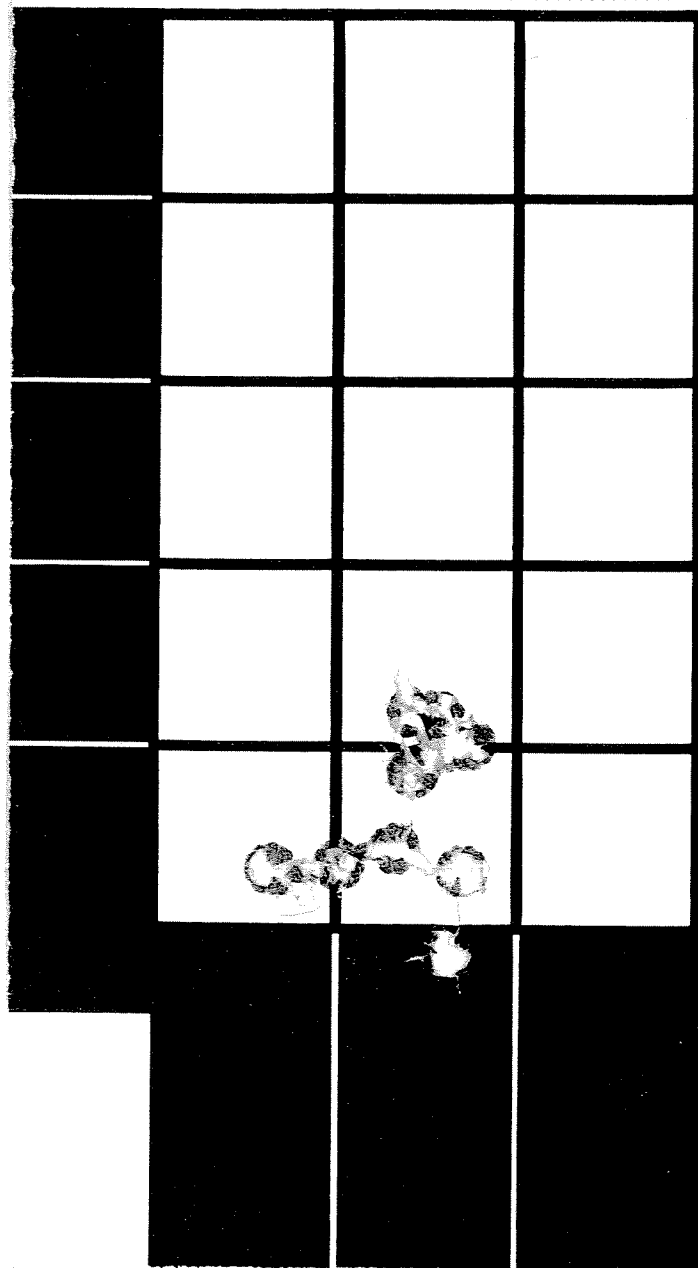


C622 5397
✓



Distance

Marksman



MAINTENANCE REQUEST				PAGE NO.		NO OF PAGES		REQUIREMENTS CONTROL SYMBOL CSGLD - 1047(R1)											
For use of this form, see DA PAM 738-750; the proponent agency is DCSLOG																			
SECTION I - EQUIPMENT DATA																			
CONTROL NUMBER		WORK ORDER NO.		WESDC		ORG. ID 02		PD AUTHENTICATION											
☐ Work Request ☐ MWO ☐ Warranty Claim		1A. ORGANIZATION D782 Maint		B. LOCATION FBNC 28307				C. UNIT IDENT CODE WABYDO											
2. SERIAL NO. C6225397		3. NOUN NOMENCLATURE		4. LINE NO.		5. MODEL		6. NATIONAL STOCK NUMBER 1005-01-240-2136											
7A. MAINTENANCE ACTIVITY		B. LEVEL		8. UTILIZATION CODE		9A. MCSR ITEM		9B. ERC		9C. PACING ITEM		10. HOURS		11. MILES		12. ROUNDS 100		13. STARTS	
FAILURE DETECTED DURING (Select one - use ☒ or X) ☐ A Sch. Main. ☐ C Test ☐ E Storage ☐ G Flight ☐ B Handling ☐ D Normal Op ☐ F Inspection ☐ H Other												15. FIRST INDICATION OF TROUBLE (Select one - use ☒ or X) ☐ 068 Inoperative ☐ 258 Overheating ☐ 790 Out of Adjustment ☐ 008 Noisy ☐ 387 Low Performance ☐ Other							
16A. DESCRIBE DEFICIENCIES OR SYMPTOMS ON THE BASIS OF COMPLETE CHECKOUT AND DIAGNOSTIC PROCEDURE IN EQUIPMENT TM (Do not prescribe repairs). Broken Buttplate																			
B. REMARKS																			
SECTION II - WORK ACCOMPLISHED																			
17A. REPAIR ORGANIZATION/ACTIVITY						C. UNIT IDENT. CODE				18. TYPE ORGANIZATION/ACTIVITY ACCOMPLISHING WORK (Select one - use ☒ or X) ☐ 1 TOE ☐ 2 TD ☐ 3 Contractor				19. AMS ACCT. CODE					
B. LOCATION																			
20A. ACT. CODE		B. FAILURE CODE		C. COMPONENT/PART NOUN, SVC, OR MWO NO. (1) CB CODE (2) REF DESIGN. (3) MFR. CODE				D. MANHOURS (Hrs. & tenths)		E. NATIONAL STOCK NUMBER				F. PART SOURCE CODE		G. QTY.		H. PARTS COST	
																		\$	
																		\$	
																		\$	
																		\$	
																		\$	
																		\$	
																		\$	
																		\$	
																		\$	
																		\$	
																		\$	
								I. TOTAL MANHOURS				J. TOTAL MANHOURS COST \$				K. TOTAL PARTS COST \$			
21. DELAY (Select One) ☐ 1 Parts ☐ 2 Manpower ☐ 3 Facilities ☐ 4 Funds ☐ 5 Tools								22. Data Transcribed											
23. SUBMITTED BY PA Ballar		24. RECEIVED BY		25. WORK STARTED BY		26. INSPECTED BY		27. ACCEPTED BY		28. DISPOSITION (Select One) ☐ A To User ☐ D Evacuated ☐ B To Stock ☐ E Cannibalization ☐ C Salvaged									
JULIAN DATE 2037		JULIAN DATE		JULIAN DATE		JULIAN DATE		JULIAN DATE											

R ORDER
92-04974

W/10X SCOPE
N-24

DATE RECEIVED	DATE OPENED	DATE CODE	SERIAL NUMBER	NEW SERIAL NUMBER	MODEL AND GRADE
02/11/92	02/11/92	LJ 2-89	C6225397		700 7.62 NATO
ACCESSORIES	W/STUDS		HARD CASE	SCOPE BASE	

FROM: _____ SHIP TO: _____

D CO 782ND MAINTANCE BA

FORT BRAGG

28307

QJRT NO: 045382 CJD JL

WRITE ☐

CLEAN/TEST

VIA

1000

☐ NEW

☐ LIGHTLY WORN

☐ WORN

☐ VERY WORN

☐ UNREPAIRABLE

REPAIR CHARGE

EXCISE

TAX

INSURANCE

UPS

PARCEL POST

TOTAL

CYCLE	A1	B1				
TRIGGER GROUP		B2			E1	F1
BOLT ASSY.		B3			E2	F2
BARREL ASSY.		B4		D1	E3	F3
REC. ASSY.		B5		D2	E4	F4
WOOD			C1	D3	E5	F5
METAL			C2			

MAIN FAULT

PARTS	COMMENTS
-------	----------

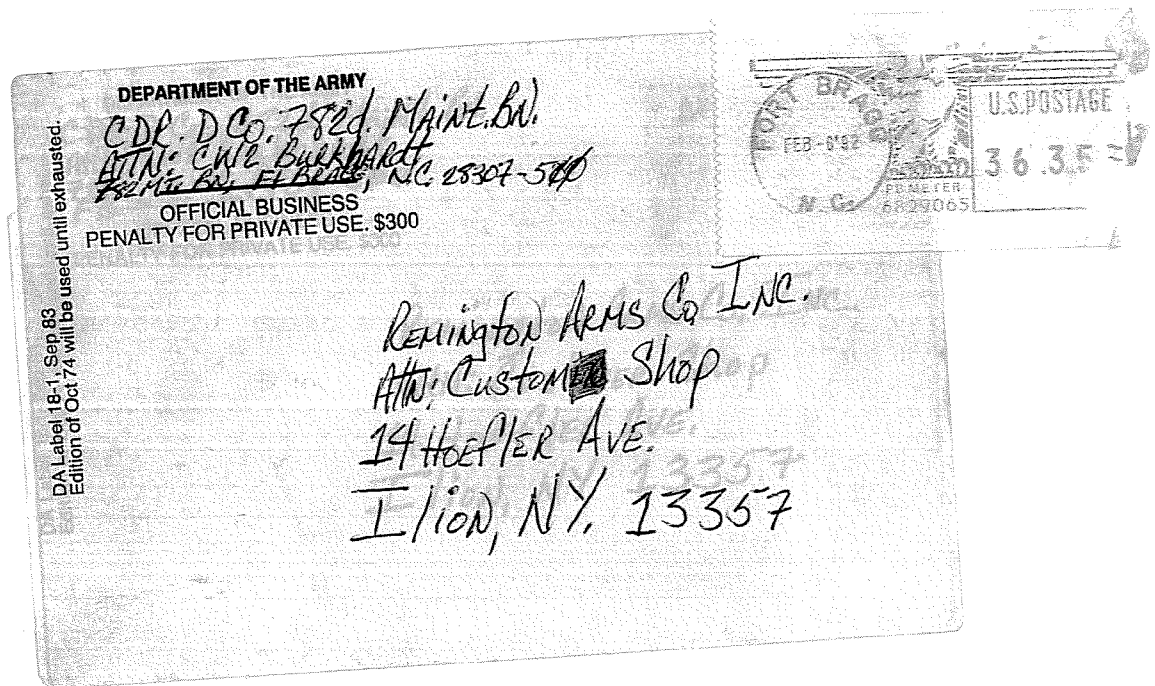
REPAIRMAN	PROOF	CLEAN	TEST	TARGET	PATTERN
GALLERY TESTER	DATE	DATE	DATE	DATE	DATE

RD6925 REV. 8/91

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 005989 **M2400060002**

MAINTENANCE REQUEST				PAGE NO.		NO OF PAGES		REQUIREMENTS CONTROL SYMBOL CSGLD - 1047(R1)			
For use of this form, see DA PAM 738-750; the proponent agency is DCSLOG											
SECTION I - EQUIPMENT DATA											
CONTROL NUMBER		WORK ORDER NO.			WESDC		ORG. PD		PD AUTHENTICATION		
☐ Work Request ☐ MWO ☐ Warranty Claim		1A. ORGANIZATION D782 Maint			B. LOCATION FBNC 28307			C. UNIT IDENT CODE WABYDO			
2. SERIAL NO. C6225397		3. NOUN NOMENCLATURE			4. LINE NO.		5. MODEL		6. NATIONAL STOCK NUMBER 1005-01-240-2136		
7A. MAINTENANCE ACTIVITY		B. LEVEL	8. UTILIZATION CODE	9A. MCSR ITEM	9B. ERC	9C. PACING ITEM	10. HOURS		11. MILES	12. ROUNDS 750	13. STARTS
14. FAILURE DETECTED DURING (Select one - use ☒ or X)						15. FIRST INDICATION OF TROUBLE (Select one - use ☒ or X)					
☐ A Sch Main.		☐ C Test		☐ E Storage		☐ G Flight		☐ 068 Inoperative		☐ 258 Overheating	
☐ B Handling		☐ D Normal Op		☐ F Inspection		☐ H Other		☐ 008 Noisy		☐ 387 Low Performance	
16A. DESCRIBE DEFICIENCIES OR SYMPTOMS ON THE BASIS OF COMPLETE CHECKOUT AND DIAGNOSTIC PROCEDURE IN EQUIPMENT TM (Do not prescribe repairs). Broken Butt plate											
B. REMARKS											
SECTION II - WORK ACCOMPLISHED											
17A. REPAIR ORGANIZATION/ACTIVITY				C. UNIT IDENT. CODE		18. TYPE ORGANIZATION/ACTIVITY ACCOMPLISHING WORK (Select one - use ☒ or X)				19. AMS ACCT. CODE	
B. LOCATION						☐ 1 TOE ☐ 2 TD ☐ 3 Contractor					
20A. ACT. CODE	B. FAILURE CODE	C. COMPONENT/PART NOUN, SVC, OR MWO NO.			D. MANHOURS (Hrs. & tenths)	E. NATIONAL STOCK NUMBER		F. PART SOURCE CODE	G. QTY.	H. PARTS COST	
		(1) CB CODE	(2) REF DESIGN.	(3) MFR. CODE							
					.					\$	
					.					\$	
					.					\$	
					.					\$	
					.					\$	
					.					\$	
					.					\$	
					.					\$	
					.					\$	
					.					\$	
					.					\$	
					I. TOTAL MANHOURS		J. TOTAL MANHOURS COST		K. TOTAL PARTS COST		
							\$		\$		
21. DELAY (Select One)					☐ 1 Parts ☐ 2 Manpower ☐ 3 Facilities ☐ 4 Funds ☐ 5 Tools		22. Data Transcribed				
23. SUBMITTED BY JP Barber		24. RECEIVED BY		25. WORK STARTED BY		26. INSPECTED BY		27. ACCEPTED BY		28. DISPOSITION (Select One)	
JULIAN DATE 2037		JULIAN DATE		JULIAN DATE		JULIAN DATE		JULIAN DATE		☐ A To User ☐ D Evacuated ☐ B To Stock ☐ E Cannibalization ☐ C Salvaged	



R	ORDER
	94-29949

BARBER - M24 **M2400060006**

New Barrel, Stock
+ Bolt

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225397

OP. #	OP. NAME	READINGS	DATE	INITIAL
575 & 580	Assemble Action and Stock		10/21/94	RW
600	Proof		10/21/94	RW
607	Check Headspace		10/21/94	RW
610	Dis-assemble Gun		10/21/94	RW
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		11/1/94	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11/1/94	RW
	C) Inspect Ejector Hole for Chamfer		11/1/94	RW
	D) Oil Firing Pin Ass'y		11/1/94	RW
	E) Adjust Trigger Pull to Min Setting and Stake		11/1/94	RW

op. #	OP. NAME	READINGS			DATE	INIT
625 cont.	F) Safety On Force					
	G) Safety Off Force					
	H) Trigger Pull Test & Retainability					
	I) Firing Pin Indent	.022	.023	.022	11/2/92	RW
	J) Assemble Stock				11/1/94	RW
	K) Assemble Swivel Studs				11/2/94	RW
	L) Attach Front and Rear Sight Assemblies					
	M) Iron Sight Alignment					
	N) Detach Front & Rear Sights & place in numbered container					
	O) Attach Scope to Rifle					
	P) Detach & Attach Scope 20 Times					
640	Gallery Target & Test				11/2/94	RW
	A) Time					
	B) Malfunctions					
	C) Pierced Primers					
	D) Optical Clarity of Scope					
645	Inspect for Live Ammo				11/2/94	RW
655	Final Inspection					
	A) Headspace				11/2/94	RW
	B) Trigger Pull	2.84	2.74	2.84	11/2/94	RW
	C) Function				11/2/94	RW
660	Pack					

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06225397
2 Nov 1994

CENTROIDAL DISTANCES

0 TO 1	.172861
1 TO 2	.277406
1 TO 3	.4061
1 TO 4	.0781857
1 TO 5	.241677

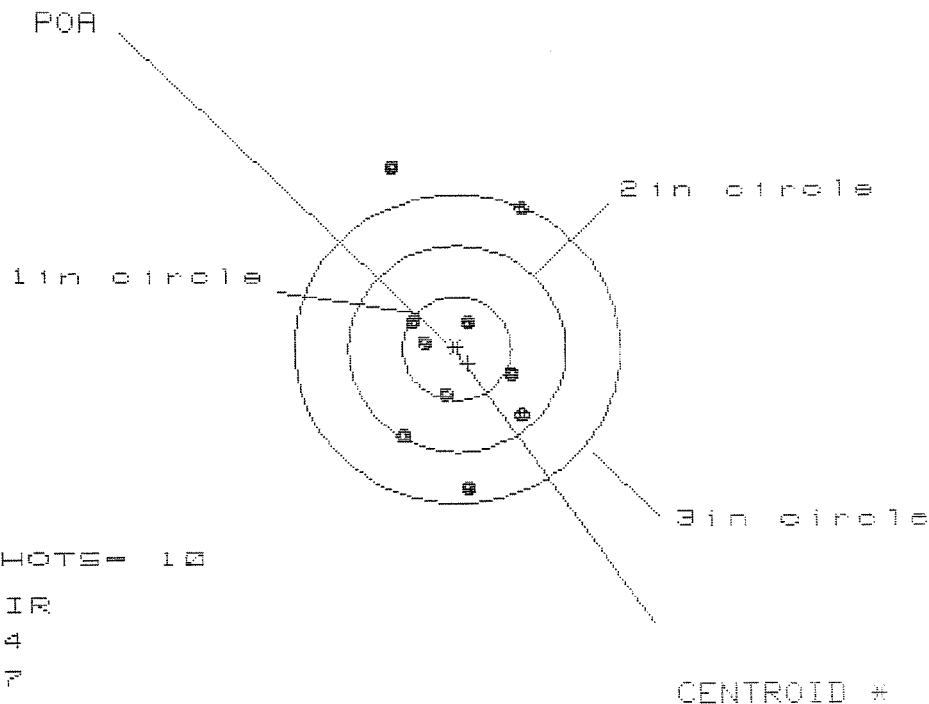
$\bar{x}$ $\bar{y}$ <----POB

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0286
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1428
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .145636
THE AMR FOR THIS RIFLE IS: .9682

2 Nov 1994

FILE:/PATTERNING/CENTERFIRE_PATT/C8225397

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1 in = 4

2 in = 7

3 in = 9

HS= 1.238

VS= 3.132

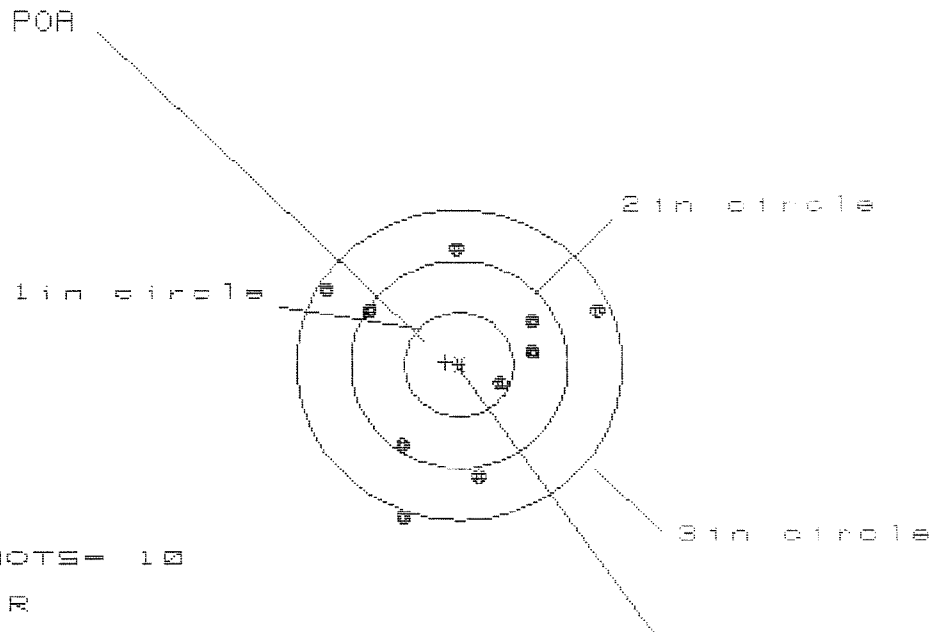
GS= 3.217

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.609	.539	.566
MINIMUM X	-.629	-.612	-.545
MAXIMUM Y	1.743	1.506	.615
MINIMUM Y	-1.389	-1.195	-1.007
CENTROID X	-.100	-.030	-.097
CENTROID Y	.141	-.053	-.241
POA TO CENTROID in.	.172	.060	.260
MIN RADIUS	.248	.274	.081
MEAN RADIUS	.856	.728	.601
MAX RADIUS	1.853	1.599	1.012
HORIZONTAL SPREAD	1.238	1.151	1.111
VERTICAL SPREAD	3.132	2.701	1.622
EXTREME SPREAD	3.217	2.747	1.701
NUMBER IN ONE INCH CIRCLE =	4		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	9		

2 Nov 1994

FILE:/PATTERNING/CENTERFIRE_PATT/06225397

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 5

3 in = 9

HS= 2.469

VS= 2.614

GS= 2.681

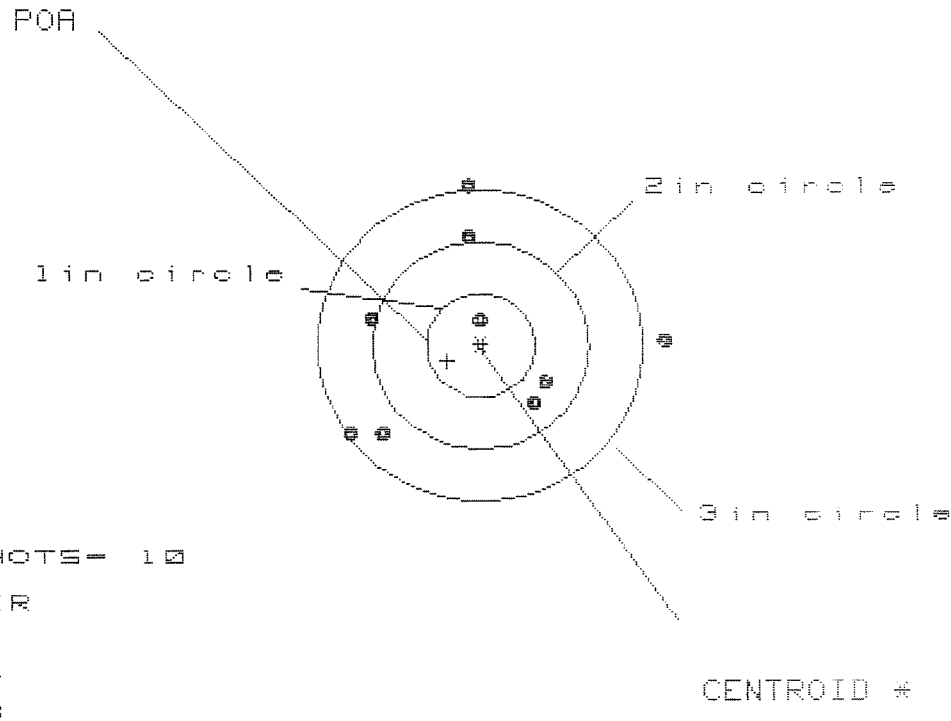
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.258	1.200	1.042
MINIMUM X	:	-1.212	-1.269	-1.086
MAXIMUM Y	:	1.146	.983	1.050
MINIMUM Y	:	-1.468	-1.201	-1.134
CENTROID X	:	.123	.181	.339
CENTROID Y	:	-.024	.139	.072
POA TO CENTROID in.	:	.126	.228	.347
MIN RADIUS	:	.441	.499	.352
MEAN RADIUS	:	1.039	.967	.879
MAX RADIUS	:	1.555	1.376	1.152
HORIZONTAL SPREAD	:	2.469	2.469	2.128
VERTICAL SPREAD	:	2.614	2.184	2.184
EXTREME SPREAD	:	2.681	2.474	2.232
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

2 Nov 1994

FILE:/PATTERNING/CENTERFIRE_PATT/06225397

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 4

3 in = 8

HS= 2.876

VS= 2.421

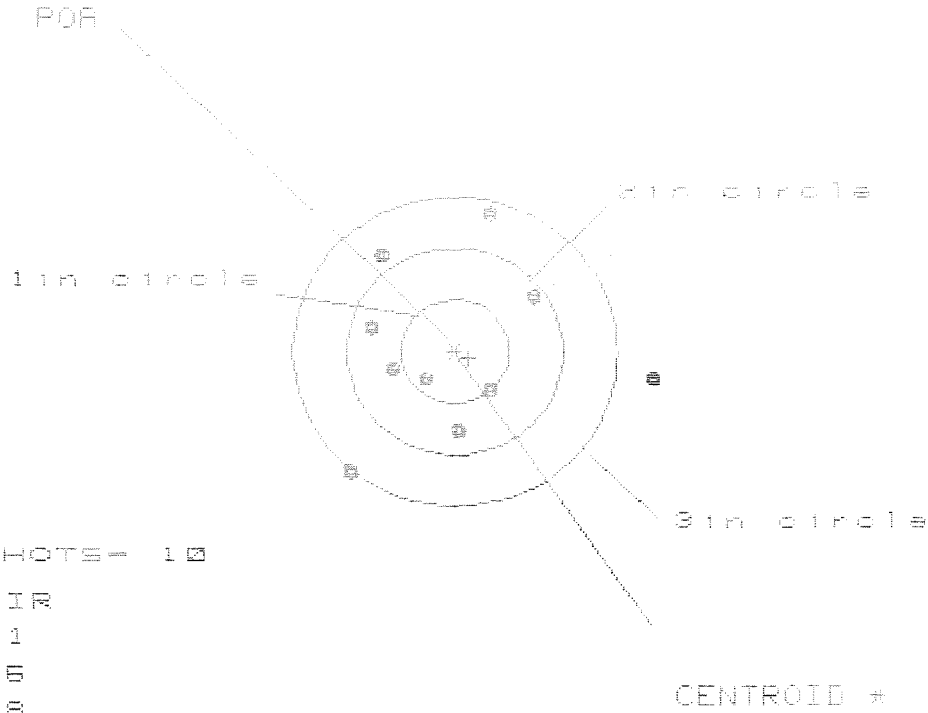
GS= 3.000

PATTERN #	3	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.698	.789	.865
MINIMUM X	-1.177	-.989	-.973
MAXIMUM Y	1.560	1.562	1.285
MINIMUM Y	-.861	-.859	-.664
CENTROID X	.306	.117	.161
CENTROID Y	.150	.148	-.047
POA TO CENTROID in.	.340	.189	.111
MIN RADIUS	.237	.309	.483
MEAN RADIUS	1.047	.980	.896
MAX RADIUS	1.699	1.567	1.288
HORIZONTAL SPREAD	2.876	1.778	1.778
VERTICAL SPREAD	2.421	2.421	1.949
EXTREME SPREAD	3.000	2.649	2.201
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	8		

2 Nov 1994

FILE:/PATTERNING/CENTERFIRE_PATT/0025097

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 6

3 in = 8

HS= 2.842

VS= 2.540

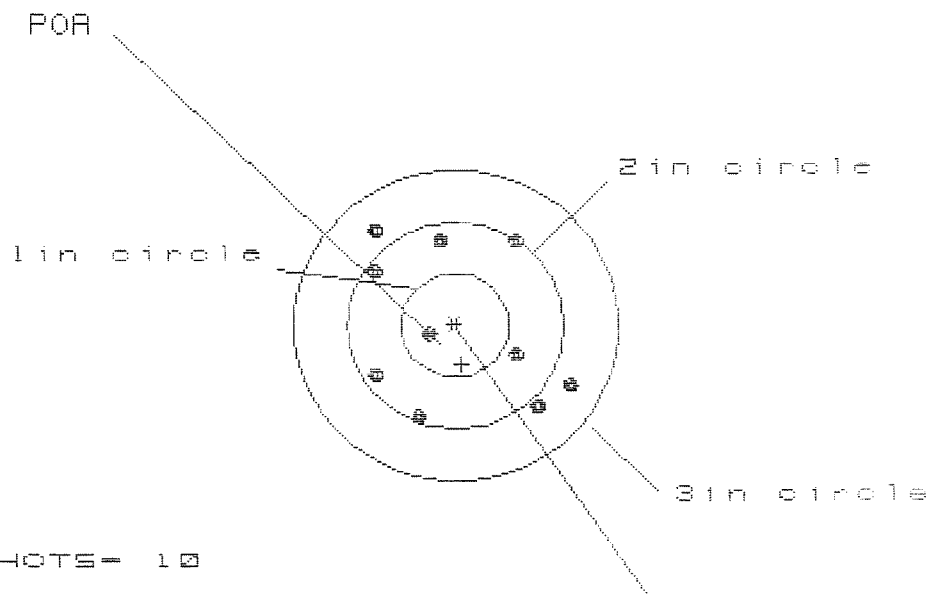
GS= 2.973

PATTERN #	4	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.855	.956	.858
MINIMUM X	-.987	-.781	-.621
MAXIMUM Y	1.371	1.339	1.189
MINIMUM Y	-1.169	-1.201	-.959
CENTROID X	-.128	-.334	-.236
CENTROID Y	.068	.101	.251
POA TO CENTROID in.	.145	.349	.345
MIN RADIUS	.369	.272	.447
MEAN RADIUS	.993	.863	.812
MAX RADIUS	1.878	1.448	1.273
HORIZONTAL SPREAD	2.842	1.737	1.479
VERTICAL SPREAD	2.540	2.540	2.148
EXTREME SPREAD	2.973	2.869	2.176
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	8		

2 May 1994

FILE:/PATTERNING/CENTERFIRE_PATT/06225397

CENTERFIRE PATTERNS # 5



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 7

3 in = 10

HS = 1.762

VS = 1.819

GS = 2.285

CENTROID #

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.010	.930	.790
MINIMUM X	-.752	-.832	-.716
MAXIMUM Y	.944	.921	.865
MINIMUM Y	-.875	-.770	-.826
CENTROID X	-.058	.022	-.094
CENTROID Y	.379	.274	.330
POA TO CENTROID in.	.384	.275	.342
MIN RADIUS	.288	.340	.236
MEAN RADIUS	.881	.839	.803
MAX RADIUS	1.188	1.039	1.053
HORIZONTAL SPREAD	1.762	1.762	1.506
VERTICAL SPREAD	1.819	1.691	1.691
EXTREME SPREAD	2.285	2.058	1.965
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	10		