

06225199

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



Arms Services Repair & Estimate System
BARBER - M24 0010397

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

Repair Inquiry

Repair Number: **RE00068944** Serial: C6225199 Model 700 Center Fire Caliber: 7 Repairman: _____
 Verify Repair _____ 62 NATO M24 SWS Status: Closed 8/20/2003 8:00:37 AM

Address Information

Customer: _____ Received From: _____ Return To: _____ Received From: _____
 Name: **DEPT OF THE ARMY** **DEPT OF THE ARMY**
 Address 1: **POB 3 75TH RANGER** **POB 3 75TH RANGER**
 Address 2: **82 AIRB DIV RD BLDG 2459** PO Box: _____ **82 AIRB DIV RD BLDG 2459** PO Box: _____
 City: **FORT BENNING** **FORT BENNING**
 State: **GA** Zip Code: **31905** Country: **US** State: **GA** Zip Code: **31905** Country: **US**

FFL: _____

Contact / Condition	Problems	Estimate	History / Status	Shipping / Billing																		
Contact Information Phone: 706 545 3545 * Fax: _____ Email: _____ Comments: *Michael Friend	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 Studs</td> <td>3</td> </tr> <tr> <td>A010</td> <td>Hard Case</td> <td>1</td> </tr> <tr> <td>A016</td> <td>Scope Mounts</td> <td>2</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 Studs	3	A010	Hard Case	1	A016	Scope Mounts	2	A017	Scope Base	1	A026	Scope	1
Code	Desc	Qty																				
A007	With Studs	3																				
A010	Hard Case	1																				
A016	Scope Mounts	2																				
A017	Scope Base	1																				
A026	Scope	1																				

Repair Search **Refresh** **Close**

neglelj 8/20/2003 8:59 AM CAPS NUM INS SCRL

start Microsoft Office Word 2003 Arms Services ... 2 Internet Explorer ... 8:59 AM

Serial Number: **C6225199**
 Model: **700**

RE00068944

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6225496.___0
FILE DATE AND TIME: 09/16/2003 17:17

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

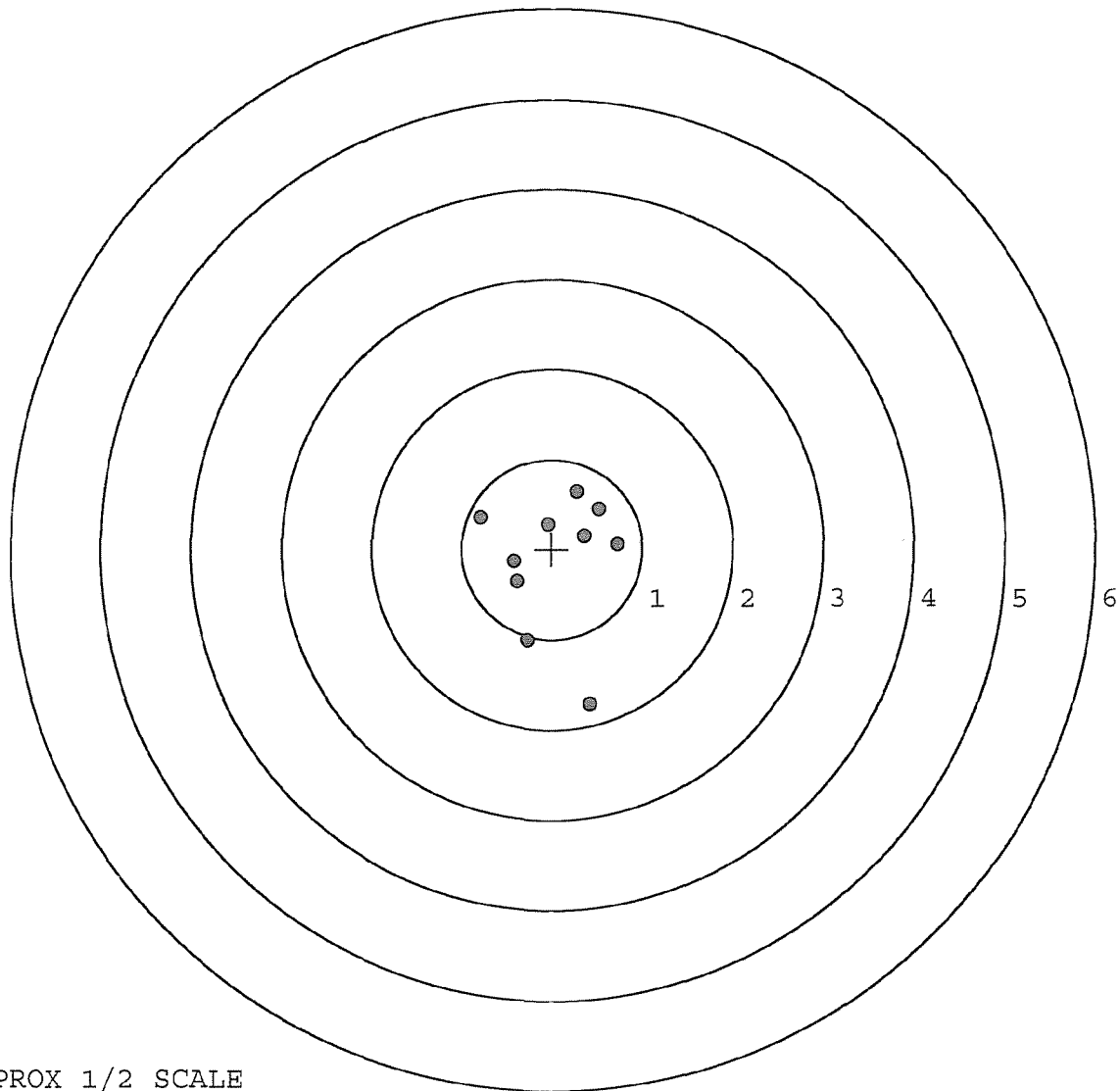
The Average X Centroid of the Five Target Set:	-0.081
The Average Y Centroid of the Five Target Set:	-0.052
The Average Point of Impact of the Five Target Set:	0.096
The Average Mean Radius of the Five Target Set:	0.725
The Distance from POA to Centroid Target #1:	0.137
The Distance from Centroid Target #2 to Centroid Target #1:	0.086
The Distance from Centroid Target #3 to Centroid Target #1:	0.601
The Distance from Centroid Target #4 to Centroid Target #1:	0.078
The Distance from Centroid Target #5 to Centroid Target #1:	0.141

BARBER - M24 0010399

SERIAL NUMBER: C6225496. __0
 TARGET NUMBER: 1
 FILE DATE: 09/16/2003
 FILE TIME: 17:17

POINT#	X	Y
1:	0.431	-1.715
2:	-0.272	-1.015
3:	-0.383	-0.373
4:	-0.417	-0.143
5:	-0.794	0.352
6:	0.729	0.059
7:	0.358	0.150
8:	-0.049	0.280
9:	0.516	0.452
10:	0.277	0.646

X CENTROID: 0.040
 Y CENTROID: -0.131
 POA TO CENTROID: 0.137
 HORZ SPREAD: 1.523
 VERT SPREAD: 2.361
 GROUP SPREAD: 2.403
 MIN RADIUS: 0.420
 MAX RADIUS: 1.632
 MEAN RADIUS: 0.760
 # IN 1 IN DIAMETER: 4
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 9



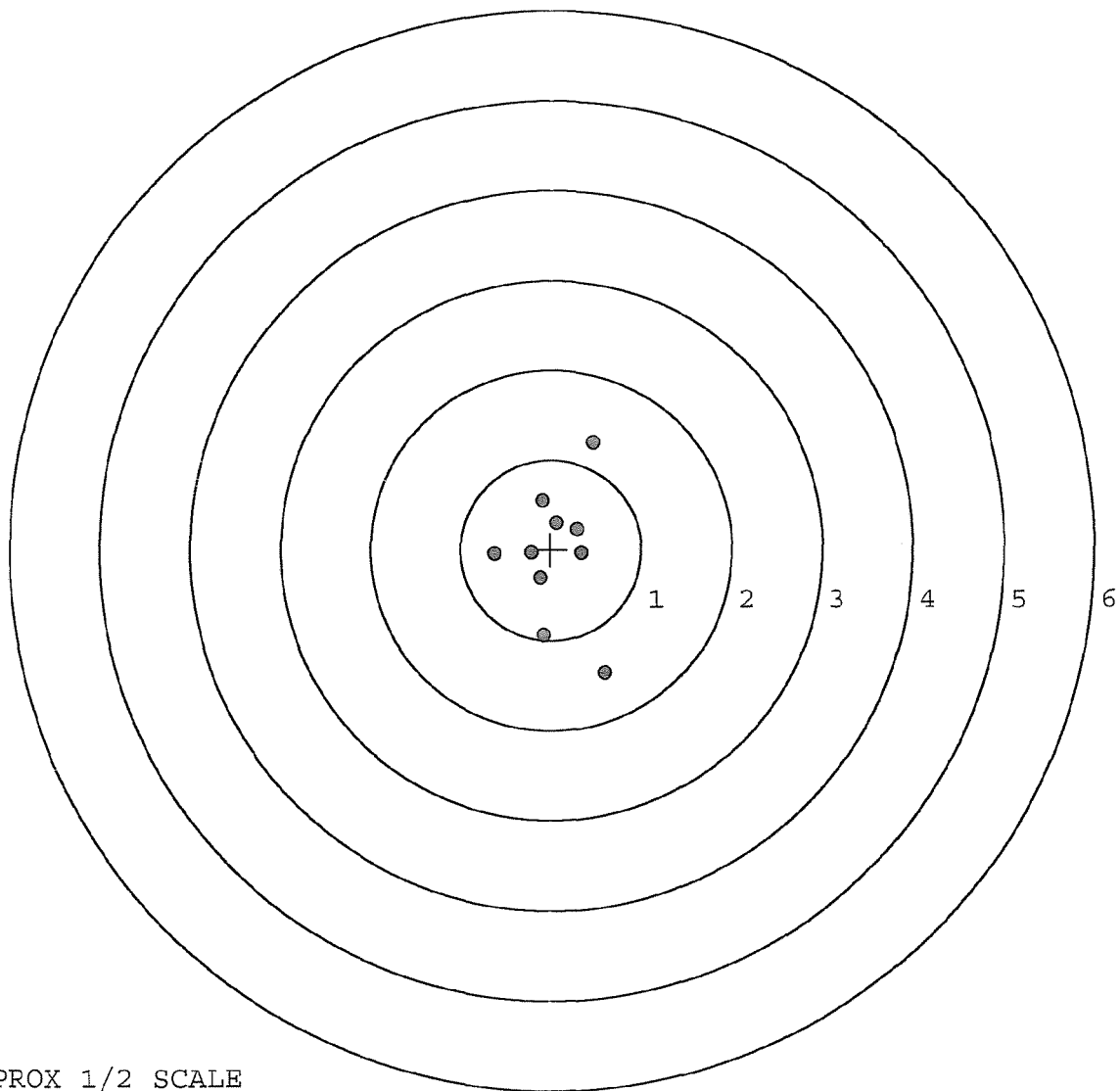
TARGET APPROX 1/2 SCALE

BARBER - M24 0010400

SERIAL NUMBER: C6225496. __0
 TARGET NUMBER: 2
 FILE DATE: 09/16/2003
 FILE TIME: 17:17

POINT#	X	Y
1:	0.603	-1.361
2:	-0.083	-0.947
3:	-0.623	-0.049
4:	-0.216	-0.036
5:	-0.119	-0.319
6:	0.341	-0.039
7:	0.291	0.232
8:	0.060	0.296
9:	-0.094	0.543
10:	0.468	1.198

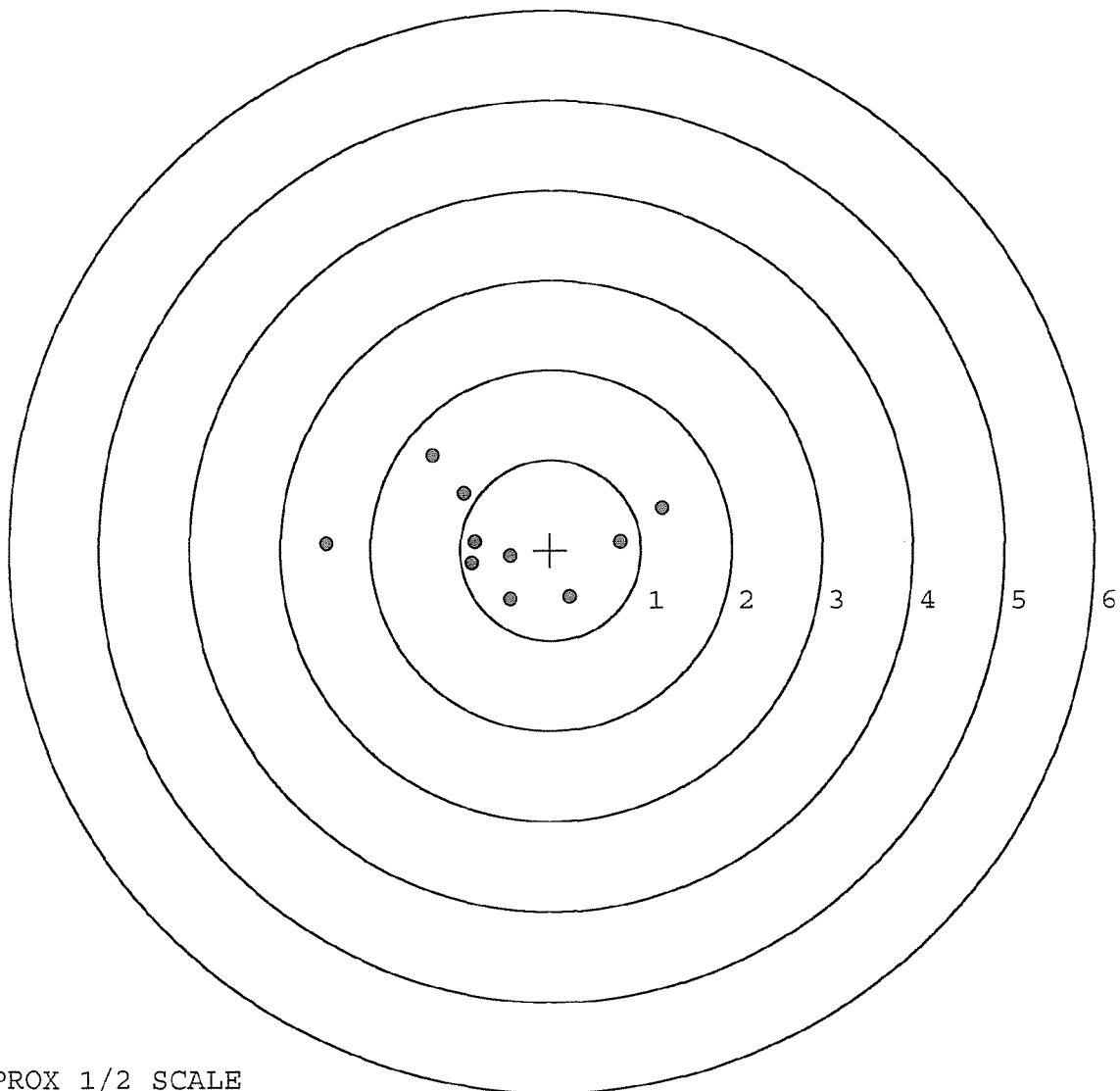
X CENTROID: 0.063
 Y CENTROID: -0.048
 POA TO CENTROID: 0.079
 HORZ SPREAD: 1.226
 VERT SPREAD: 2.559
 GROUP SPREAD: 2.563
 MIN RADIUS: 0.278
 MAX RADIUS: 1.420
 MEAN RADIUS: 0.653
 # IN 1 IN DIAMETER: 5
 # IN 2 IN DIAMETER: 8
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

BARBER - M24 0010401

SERIAL NUMBER: C6225496. 0	POINT#	X	Y
TARGET NUMBER: 3	1:	1.231	0.473
FILE DATE: 09/16/2003	2:	0.780	0.099
FILE TIME: 17:17	3:	0.215	-0.525
	4:	-0.440	-0.553
X CENTROID: -0.513	5:	-0.443	-0.072
Y CENTROID: 0.108	6:	-0.871	-0.147
POA TO CENTROID: 0.524	7:	-0.836	0.089
HORZ SPREAD: 3.722	8:	-0.963	0.621
VERT SPREAD: 1.590	9:	-1.307	1.037
GROUP SPREAD: 3.745	10:	-2.491	0.056
MIN RADIUS: 0.193			
MAX RADIUS: 1.979			
MEAN RADIUS: 0.954			
# IN 1 IN DIAMETER: 3			
# IN 2 IN DIAMETER: 6			
# in 3 IN DIAMETER: 8			



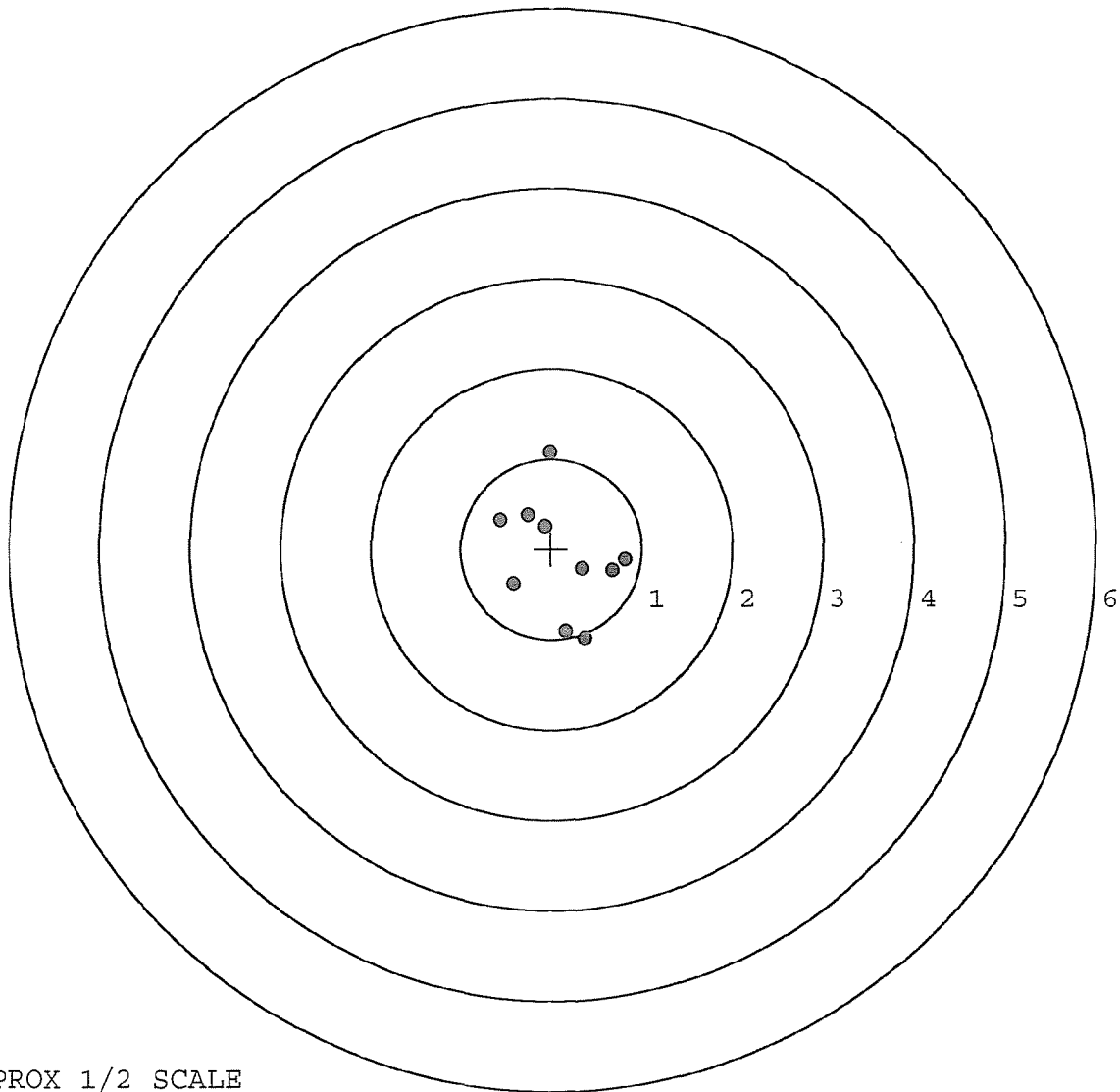
TARGET APPROX 1/2 SCALE

BARBER - M24 0010402

SERIAL NUMBER: C6225496. 0
 TARGET NUMBER: 4
 FILE DATE: 09/16/2003
 FILE TIME: 17:17

POINT#	X	Y
1:	0.368	-0.993
2:	0.166	-0.917
3:	0.815	-0.118
4:	0.680	-0.236
5:	0.345	-0.219
6:	-0.417	-0.390
7:	-0.067	0.247
8:	-0.266	0.375
9:	-0.571	0.324
10:	-0.016	1.068

X CENTROID: 0.104
 Y CENTROID: -0.086
 POA TO CENTROID: 0.135
 HORZ SPREAD: 1.386
 VERT SPREAD: 2.061
 GROUP SPREAD: 2.096
 MIN RADIUS: 0.276
 MAX RADIUS: 1.160
 MEAN RADIUS: 0.688
 # IN 1 IN DIAMETER: 2
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225496. __0

TARGET NUMBER: 5

FILE DATE: 09/16/2003

FILE TIME: 17:17

POINT#	X	Y
1:	-1.126	-0.348
2:	-0.604	0.098
3:	-0.508	-0.098
4:	-0.337	-0.242
5:	-0.113	-0.306
6:	0.232	-0.799
7:	0.343	-0.262
8:	0.635	0.210
9:	0.325	0.281
10:	0.164	0.436

X CENTROID: -0.099

Y CENTROID: -0.103

POA TO CENTROID: 0.143

HORZ SPREAD: 1.761

VERT SPREAD: 1.235

GROUP SPREAD: 1.847

MIN RADIUS: 0.203

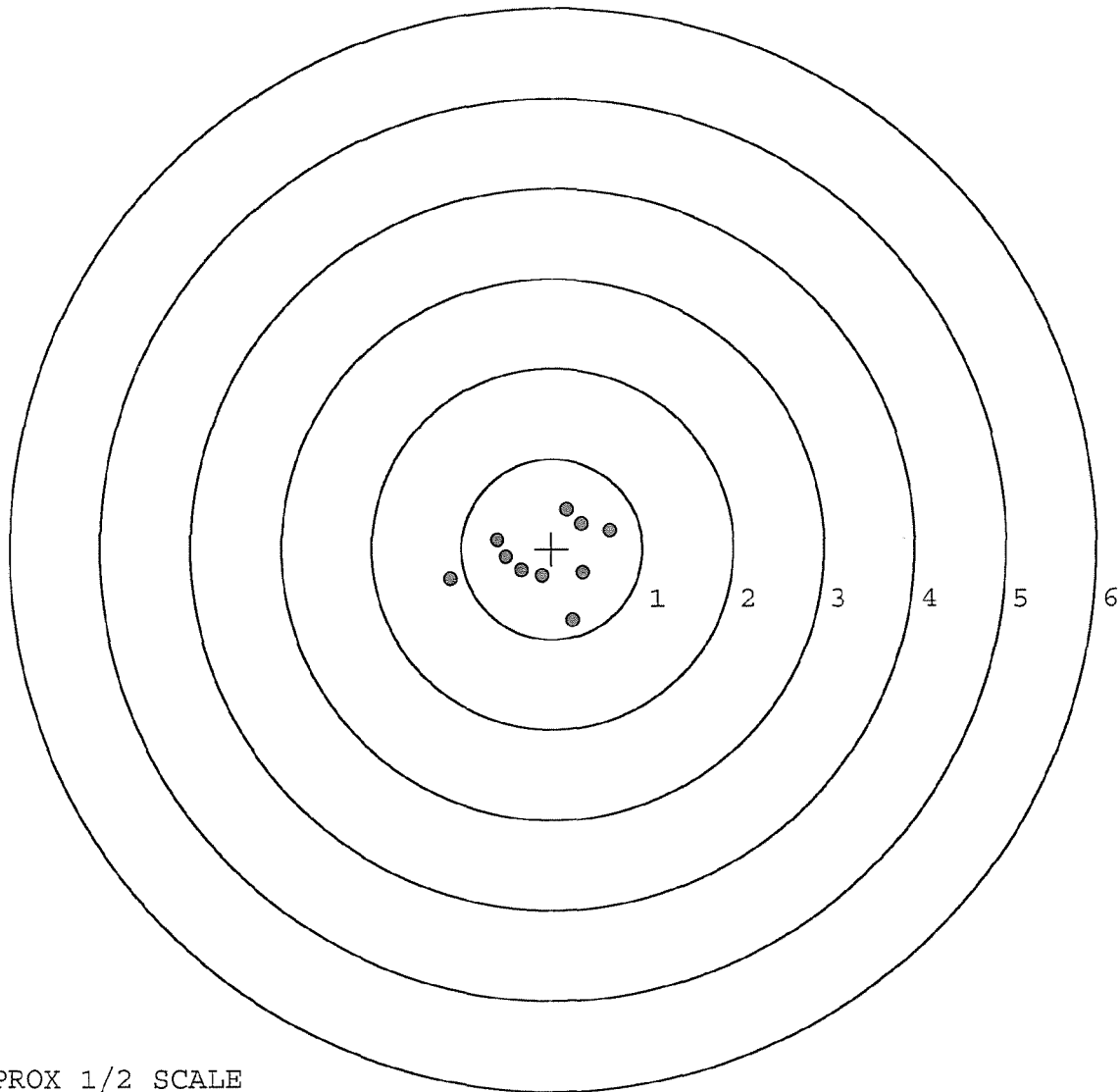
MAX RADIUS: 1.056

MEAN RADIUS: 0.570

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL # C622 5199INSPECTED BY: RTLDATE REC'D: 8-20-03DATE RET'D: 9-17-03

ITEM

BARREL ASSEMBLY

☒ BARREL
☒ RECEIVER
☒ FRONT SIGHT BASE
☒ REAR SIGHT BASE
☒ SCREWS
☒ FINISH

SCOPE ASSEMBLY

☒ SCOPE
☒ SCOPE RINGS
☒ MOUNTING SCREWS
☒ MOUNTING BASE
☒ SCREWS
☒ FINISH
☒ CLARITY

ITEM

STOCK ASSEMBLY

☒ STOCK
☒ SLING AWIVEL STUDS
☒ ADJUSTABLE
☒ BUTT PLATE
☒ LOCK NUTS
☒ BARREL CLEARANCE
☒ COLOR / FINISH

SYSTEMS CASE

☒ SCOPE CASE
☒ IRON SIGHTS
☒ DEPLOYMENT KIT

TRIGGER ASSEMBLY

☒ SAFETY OPERATION
☒ RE-SET TO FACTORY SPECS

COMMENTS:

R & E NUMBER	68944		
SERIAL NUMBER	C6225199		
LOG-IN DATE	8-20-03		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	8-20-03	RTL
560 A	RE-BARREL	8-22-03	RTL
B	DRILL AND TAP	8-25-03	TRW
575	ASSEMBLE	8-25-03	RTL
600	PROOF	8-25-03	AC
605	CHECK HEADSPACE	8-25-03	AC
610	DIS-ASSEMBLE GUN	8-26-03	RTL
612	MAGNAFLUX	8-28-03	JB
615	ROLLMARK CALIBER	8-29-03	JB
618	ROTO-BLAST	9-12	TA
620	APPLY COATINGS	9-16-03	RTL
625 A	FINAL ASSEMBLY		
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	9-16-03	RTL
655	FINAL INSPECT	9-17-03	RTL
660	PACK	9-17-03	RTL
		SHIP DATE	
		QAR INSPECTION DATE	



CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6225199

OP. #	OP. NAME	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		89	RW
612	Magnaflux Barrel Action		1-27-89	RK.
	Magnaflux Bolt		1-27-89	KCK
615	Rollmark Caliber		1/28	ES
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	TSA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		2/27/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		2/27/89	RW
	C) Inspect Ejector Hole for Chamfer		2/27/89	RW
	D) Oil Firing Pin Ass'y		2/27/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		2/27/89	RW

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5 3/4	5 3/4	5 2			4/1/89	Web
	G) Safety Off Force	3 3/4	3 3/4	3 1/4			4/1/89	Web
	H) Trigger Pull Test & Retainability						4/28/89	Web
	I) Firing Pin Indent	.021	.0205	.021			4/1/89	Web
	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						7 Mar 89	JS
	P) Detach & Attach Scope 20 Times						7 Mar 89	JS
640	Gallery Target & Test	64 J	87L				3-17-89	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		3-17-89	AC
655	Final Inspection							
	A) Headspace						8 Mar 89	JS
	B) Trigger Pull	2.14	2.08	2.24	2.35	2.32	8 Mar 89	JS
	C) Function						8 Mar 89	JS
660	Pack						27 Mar 89	JS

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. 5199

DATE 7/28/89

TESTER W.B.

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.28	2.30	2.14	2.14	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.31	2.12	2.12	2.08	
PULL #3	2.22	2.10	2.13	2.24	
PULL #4	2.14	2.09	2.11	2.35	
PULL #5	2.20	1.99	2.08	2.32	
TOTAL	11.15	10.60	10.58	11.13	
AVG.	2.23	2.12	2.116	2.226	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.30	3.05		
PULL #2	3.21	3.08		
PULL #3	3.24	3.02		
PULL #4	3.24	3.13		
PULL #5	3.15	3.11		
TOTAL	16.14	15.39		
AVG.	3.23	3.08		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.13	4.05		4.05
PULL #2	4.04	4.02		4.08
PULL #3	4.10	4.02		4.05
PULL #4	4.02	4.05		4.07
PULL #5	4.09	3.99		4.13
TOTAL	20.38	20.13		20.38
AVG.	4.08	4.026		4.076

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225199
8 Mar 1989

CENTROIDAL DISTANCES

0 TO	1	.347454
1 TO	2	.197669
1 TO	3	.163518
1 TO	4	.255861
1 TO	5	.426691

5.10 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .2364
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .037
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .239278
THE AMR FOR THIS RIFLE IS: .8392

8 Mar 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225189

CENTERFIRE PATTERNS

1

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS - 10

IN CIR

1in - 1

2in - 6

3in - 9

HS - 2.504

VS - 1.882

GS - 2.534

PATTERN #	:	1	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.532	.745	.712
MINIMUM X	:	-.972	-.802	-.835
MAXIMUM Y	:	.931	.917	.796
MINIMUM Y	:	-.951	-.965	-.781
CENTROID X	:	.318	.148	.181
CENTROID Y	:	.140	.154	.274
POA TO CENTROID in.	:	.348	.214	.329
MIN RADIUS	:	.295	.389	.472
MEAN RADIUS	:	.881	.797	.776
MAX RADIUS	:	1.537	1.000	.939
HORIZONTAL SPREAD	:	2.504	1.547	1.547
VERTICAL SPREAD	:	1.882	1.882	1.578
EXTREME SPREAD	:	2.534	1.988	1.754
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	6		
NUMBER IN THREE INCH CIRCLE	=	9		

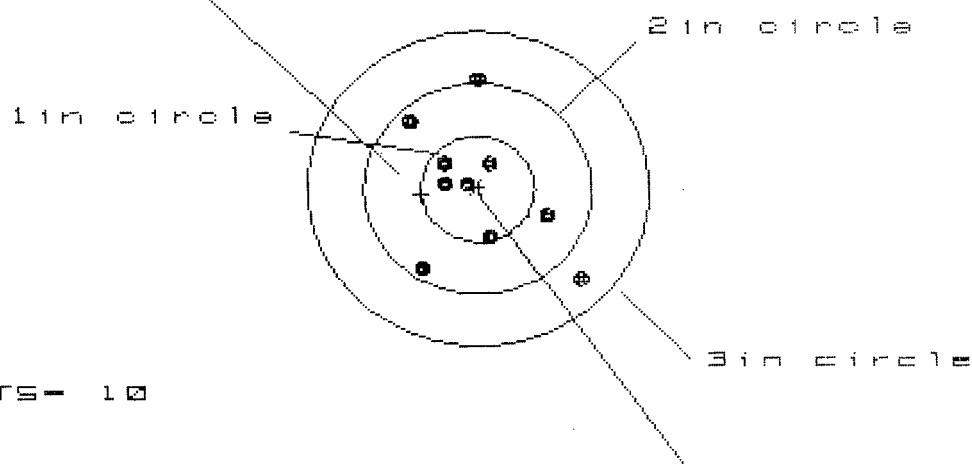
8 Mar 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08225199

CENTERFIRE PATTERNS

2

POA



OF SHOTS- 10

IN CIR

1in - 5

2in - 8

3in = 10

HS- 1.530

VS= 1.896

GS= 2.182

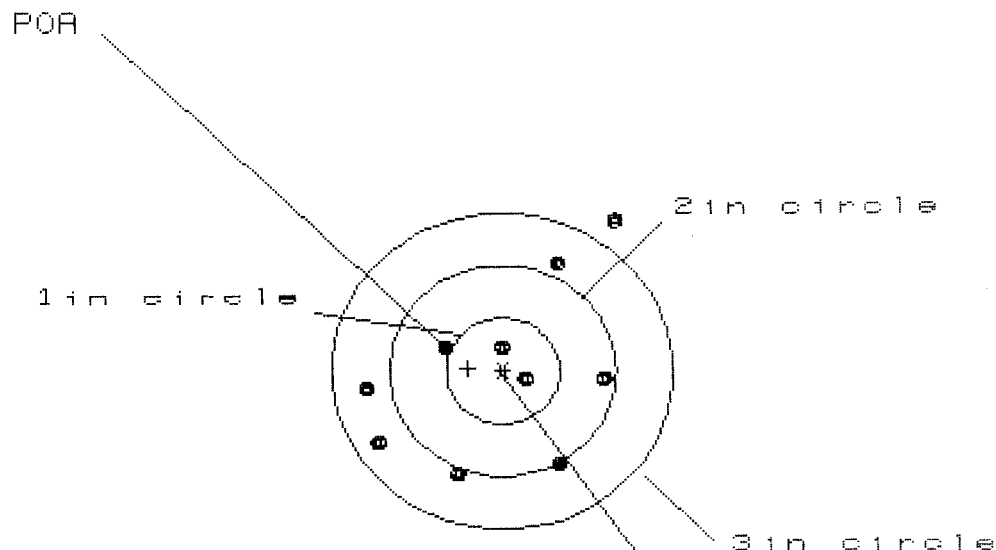
CENTROID *

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.919	.731	.749
MINIMUM X	:	-.611	-.509	-.491
MAXIMUM Y	:	1.018	.920	.695
MINIMUM Y	:	-.878	-.824	-.709
CENTROID X	:	.495	.393	.375
CENTROID Y	:	.052	.150	.035
POA TO CENTROID in.	:	.498	.420	.376
MIN RADIUS	:	.063	.078	.096
MEAN RADIUS	:	.626	.532	.485
MAX RADIUS	:	1.271	.931	.851
HORIZONTAL SPREAD	:	1.530	1.240	1.240
VERTICAL SPREAD	:	1.896	1.744	1.404
EXTREME SPREAD	:	2.182	1.826	1.551
NUMBER IN ONE INCH CIRCLE	=		5	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		10	

8 Mar 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225199

CENTERFIRE PATTERNS # 3



OF SHOTS - 10

IN CIR

1 in = 2

2 in = 5

3 in = 9

HS = 2.264

VS = 2.410

GS = 3.031

CENTROID *

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.039	.991	.872
MINIMUM X	:	-1.225	-1.110	-1.229
MAXIMUM Y	:	1.455	1.182	1.112
MINIMUM Y	:	-.956	-.794	-.864
CENTROID X	:	.305	.190	.309
CENTROID Y	:	-.023	-.185	-.115
POA TO CENTROID in.	:	.306	.265	.329
MIN RADIUS	:	.179	.364	.232
MEAN RADIUS	:	.935	.845	.788
MAX RADIUS	:	1.787	1.348	1.234
HORIZONTAL SPREAD	:	2.264	2.101	2.101
VERTICAL SPREAD	:	2.410	1.976	1.976
EXTREME SPREAD	:	3.031	2.367	2.168
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

8 Mar 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225199

CENTERFIRE PATTERNS

4

POA

1in circle

2in circle

3in circle

CENTROID #

OF SHOTS- 10

IN CIR

1in = 4

2in = 7

3in = 10

HS= 2.398

VS= 1.558

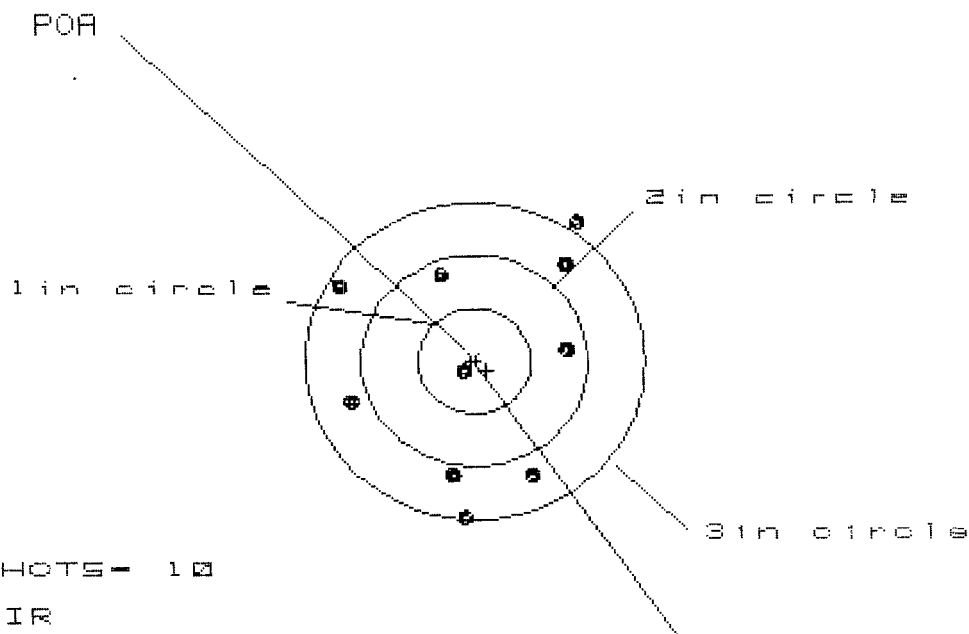
GS= 2.398

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.237	.625	.497
MINIMUM X	:	-1.161	-1.024	-.564
MAXIMUM Y	:	.669	.638	.599
MINIMUM Y	:	-.889	-.920	-.959
CENTROID X	:	.169	.032	.160
CENTROID Y	:	-.068	-.037	.002
POA TO CENTROID in.	:	.183	.049	.160
MIN RADIUS	:	.126	.172	.058
MEAN RADIUS	:	.663	.611	.510
MAX RADIUS	:	1.268	1.072	1.113
HORIZONTAL SPREAD	:	2.398	1.649	1.061
VERTICAL SPREAD	:	1.558	1.558	1.558
EXTREME SPREAD	:	2.398	1.906	1.885
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

8 Mar 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225199

CENTERFIRE PATTERNS # 5



OF SHOTS - 10

IN CIR

1 in = 1

2 in = 3

3 in = 9

HS = 2.114

VS = 2.813

GS = 2.970

CENTROID #

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.902	.880	.886
MINIMUM X	-1.212	-1.112	-1.106
MAXIMUM Y	1.346	1.053	.889
MINIMUM Y	-1.467	-1.318	-1.086
CENTROID X	-.105	-.205	-.211
CENTROID Y	.084	-.065	.099
POA TO CENTROID in.	.134	.215	.233
MIN RADIUS	.110	.071	.108
MEAN RADIUS	1.091	1.018	.976
MAX RADIUS	1.620	1.439	1.336
HORIZONTAL SPREAD	2.114	1.992	1.992
VERTICAL SPREAD	2.813	2.371	1.975
EXTREME SPREAD	2.970	2.515	2.496
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	3		
NUMBER IN THREE INCH CIRCLE =	9		

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6225199

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			

BARBER - M24 0010417

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			4/27/90	WB
	G) Safety Off Force	2	2	2			4/27/90	WB
	H) Trigger Pull Test & Retainability						4/25/90	WB
	I) Firing Pin Indent	(.022) (.0215)	(.022) (.021)	(.022) (.0215)			4/27/90	WB
	J) Assemble Stock							
	K) Assemble Swivel Studs						4/21/90	WB
	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	100 Rds test shot OK					2/23/90	DH
	A) Time	4/26/90					2-23-90	DH
	B) Malfunctions						2/23/90	DH
	C) Pierced Primers						2-23-90	DH
	D) Optical Clarity of Scope						2/23/90	DH
645	Inspect for Live Ammo						2-23-90	DH
655	Final Inspection						4/26/90	WB
	A) Headspace							
	B) Trigger Pull	1.62	2.56	2.63	2.55	2.61	4/27/90	WB
	C) Function						4/27/90	WB
660	Pack							

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225199
23 Feb 1990

CENTROIDAL DISTANCES

0 TO	1	.291015
1 TO	2	.454156
1 TO	3	.286754
1 TO	4	.65224
1 TO	5	.204482

4
2 <----POA

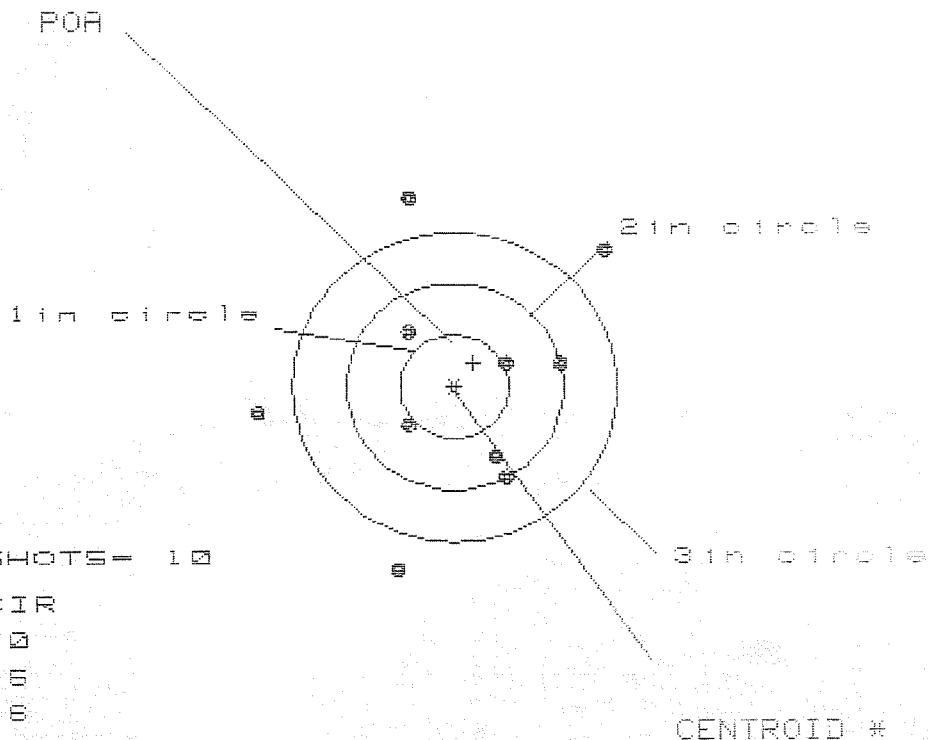
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0054
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1092
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .109387

THE AMR FOR THIS RIFLE IS: 1.052

23 Feb 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C8225189

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1 in = 0

2 in = 5

3 in = 6

HS= 3.166

VS= 3.616

GS= 3.637

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.385	1.112	1.075
MINIMUM X	-1.781	-1.628	-1.665
MAXIMUM Y	1.825	1.971	.885
MINIMUM Y	-1.791	-1.645	-1.399
CENTROID X	-.177	-.330	-.293
CENTROID Y	-.231	-.377	-.623
POA TO CENTROID in.	.291	.501	.689
MIN RADIUS	.506	.390	.349
MEAN RADIUS	1.198	1.110	.976
MAX RADIUS	1.909	1.993	1.667
HORIZONTAL SPREAD	3.166	2.740	2.740
VERTICAL SPREAD	3.616	3.616	2.284
EXTREME SPREAD	3.637	3.616	2.787
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	6		

23 Feb 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06225199

CENTERFIRE PATTERNS # 2

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS = 10

IN CIR

1 in = 3

2 in = 4

3 in = 9

HS = 3.337

VS = 3.161

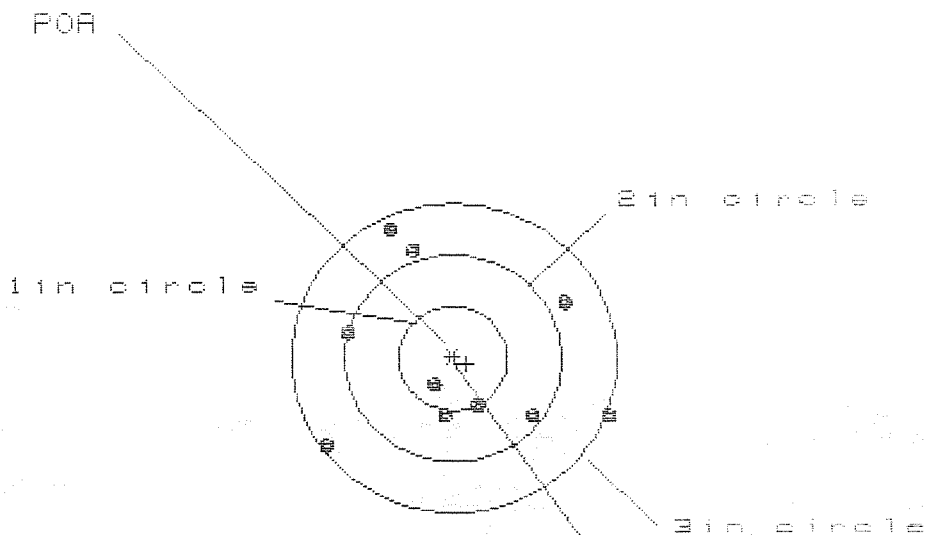
GS = 4.031

PATTERN #	:	2	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.294	1.067	.990
MINIMUM X	:	-2.043	-1.258	-1.125
MAXIMUM Y	:	1.253	1.041	1.059
MINIMUM Y	:	-1.908	-.567	-.549
CENTROID X	:	.116	.343	.210
CENTROID Y	:	-.578	-.366	-.384
POA TO CENTROID in.	:	.590	.502	.437
MIN RADIUS	:	.323	.259	.287
MEAN RADIUS	:	1.036	.794	.739
MAX RADIUS	:	2.796	1.380	1.252
HORIZONTAL SPREAD	:	3.337	2.325	2.115
VERTICAL SPREAD	:	3.161	1.608	1.608
EXTREME SPREAD	:	4.031	2.431	2.116
NUMBER IN ONE INCH CIRCLE	=	3		
NUMBER IN TWO INCH CIRCLE	=	4		
NUMBER IN THREE INCH CIRCLE	=	9		

23 Feb 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8225159

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 4

3 in = 9

HS= 2.570

VS= 2.112

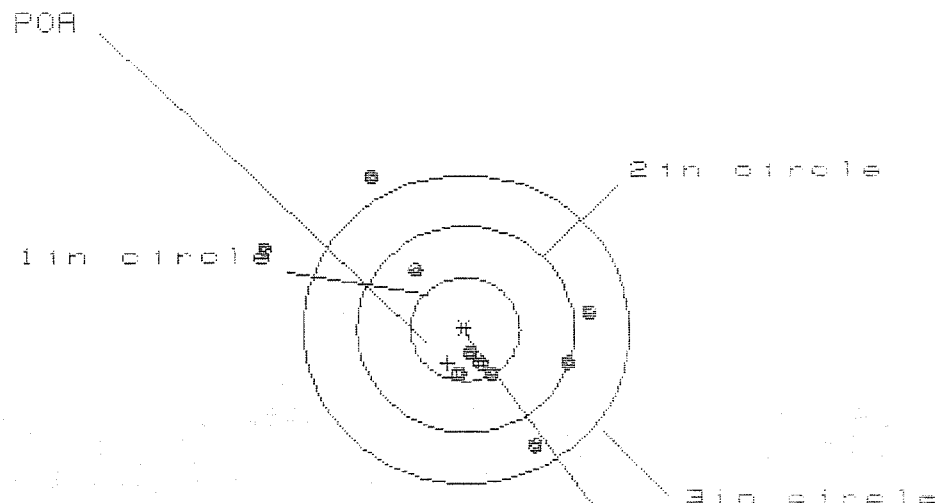
GS= 2.690

PATTERN #	3
SHOTS (BEST OF)	10
MAXIMUM X	1.395
MINIMUM X	-1.175
MAXIMUM Y	1.287
MINIMUM Y	-.825
CENTROID X	-.125
CENTROID Y	.051
POA TO CENTROID in.	.135
MIN RADIUS	.321
MEAN RADIUS	.997
MAX RADIUS	1.505
HORIZONTAL SPREAD	2.570
VERTICAL SPREAD	2.112
EXTREME SPREAD	2.690
NUMBER IN ONE INCH CIRCLE =	2
NUMBER IN TWO INCH CIRCLE =	4
NUMBER IN THREE INCH CIRCLE =	9

23 Feb 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8225198

CENTERFIRE PATTERNS # 4



OF SHOTS = 10

IN CIR

1in = 3

2in = 5

3in = 8

HS = 3.043

VS = 2.621

GS = 3.200

CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	-1.178	.971	.839
MINIMUM X	:	-1.865	-1.059	-.779
MAXIMUM Y	:	1.451	1.536	.897
MINIMUM Y	:	-1.170	-1.085	-.892
CENTROID X	:	.164	.371	.504
CENTROID Y	:	.325	.240	.048
POA TO CENTROID in.	:	.364	.442	.506
MIN RADIUS	:	.245	.239	.182
MEAN RADIUS	:	.959	.793	.614
MAX RADIUS	:	2.018	1.866	1.188
HORIZONTAL SPREAD	:	3.043	2.030	1.617
VERTICAL SPREAD	:	2.621	2.621	1.790
EXTREME SPREAD	:	3.200	3.035	2.110
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

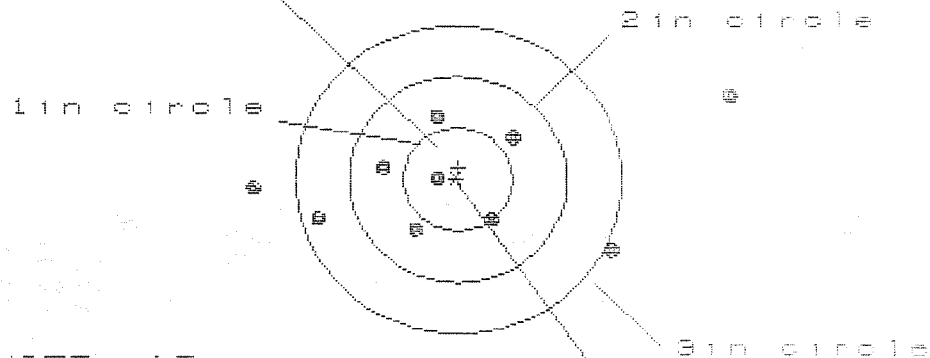
23 Feb 1998

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CENTERFIRE PATTERNS

5

POA



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 5

3 in = 7

HS= 4.372

VS= 1.518

GS= 4.464

CENTROID *

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	2.502	1.698	1.499
MINIMUM X	-1.870	-1.592	-1.244
MAXIMUM Y	.805	.694	.693
MINIMUM Y	-.713	-.624	-.625
CENTROID X	-.010	-.288	-.089
CENTROID Y	-.113	-.202	-.201
POA TO CENTROID in.	.113	.352	.220
MIN RADIUS	.143	.170	.120
MEAN RADIUS	1.068	.862	.762
MAX RADIUS	2.629	1.809	1.624
HORIZONTAL SPREAD	4.372	3.290	2.743
VERTICAL SPREAD	1.518	1.318	1.318
EXTREME SPREAD	4.464	3.347	2.767
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	7		

SUBJECT: WARRANTY REPAIR

DATE:

30 JAN 90

TYPE EQUIPMENT RIFLE

MAKE: Remington

MODEL: M 24

SERIAL NUMBER: C 6 2 2 5 1 9 9

DATE OF PURCHASE:

PERSON CONTACTED OR RA NUMBER:

EQUIPMENT PROBLEMS: Re Ferbish Barrel
CHECK Trigger

POINT OF CONTACT {FORT BENNING, GEORGIA} AND PHONE NUMBER:

George Richards
Mr. COKEA [404] 545-2865/3201

NOTE: ANY WORK NOT COVERED BY THE WARRANTY WILL NOT BE REIMBURSED WITHOUT
PRIOR AUTHORIZATION FROM THE PROCUREMENT DIVISION AT FORT BENNING, GEORGIA

WHEN REPAIR IS COMPLETED, PLEASE RETURN TO:

MAINTENANCE DIVISION, USAIC
ATTN: ATZB-LAM-Q
BUILDING 228
FORT BENNING, GEORGIA 31905-5174

3/89 LJ

[illegible]

