

G 6410234
Replaced
E 6413456

Army Services Repair & Estimate System

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

Repair Inquiry

Repair Number: **RE00099509** Serial: E6413456 Model: M24 SWS Center Fire Caliber: 308 Repairman: Status: New 8/5/2005 6:31:20 AM

Verify Repair

Address Information

Customer: ☒ Received From Return To: ☐ Received From

Name: **CAPT MICHAEL CUNNEEN**

Address 1: **HHC 1/504 PIR**

Address 2: **FORT BRAGG** PO Box:

City: **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

Condition: **Fair**

Condition Notes:

CSR Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	3
A010	Hard Case	1
A015	Scope Rings	2
A017	Scope Base	1
A045	Bi Pod	1

Repair Search Refresh Close

naclaj 8/9/2005 7:11 AM CAPS NUM INS SCPL

start 4 2 3

G 6410234 (New)

Serial Number: **E6413456**

Model: **M24 SWS**



RE00099509

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: G6410234.___0
FILE DATE AND TIME: 02/27/2006 07:52

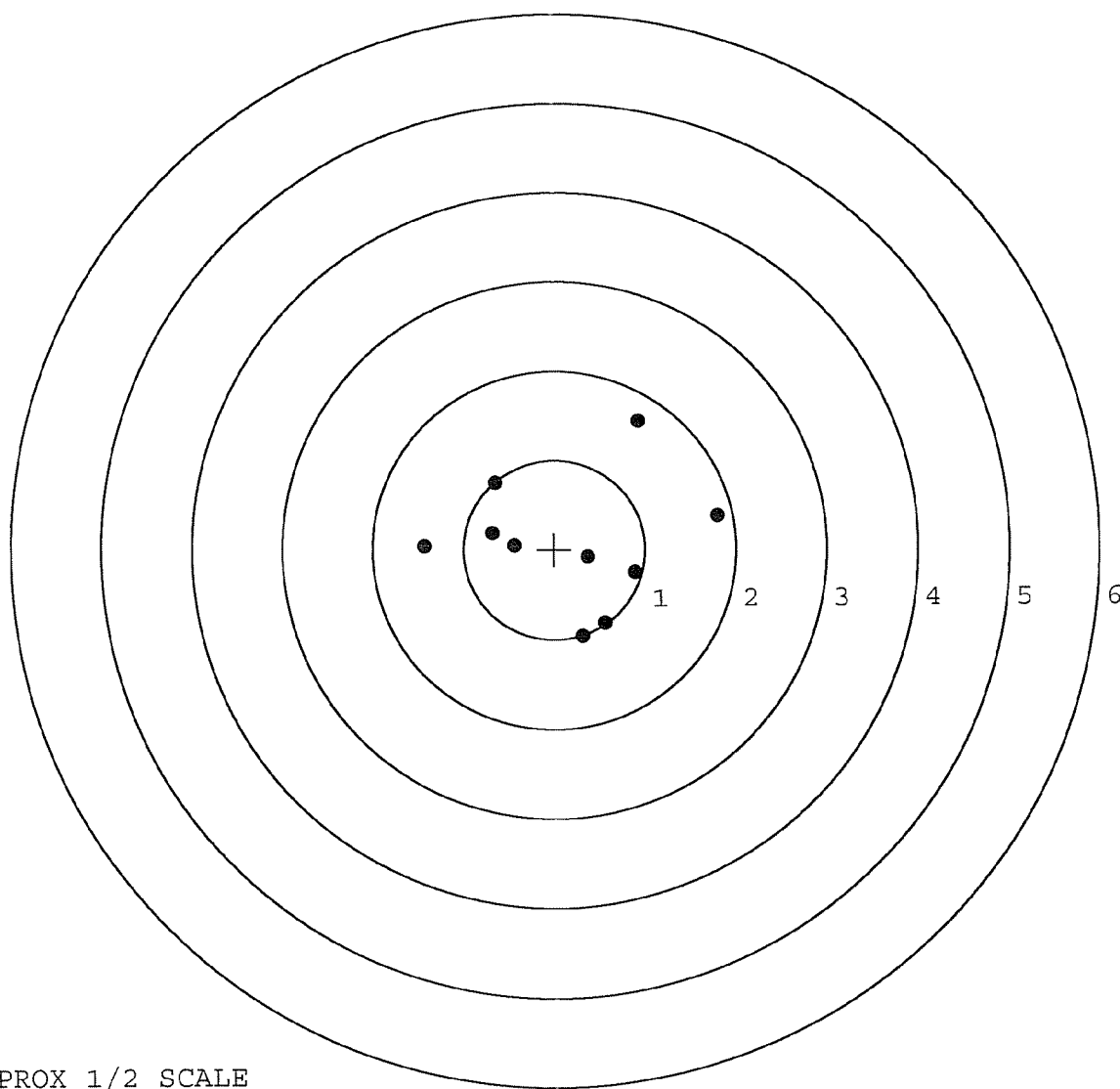
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.061
The Average Y Centroid of the Five Target Set:	-0.043
The Average Point of Impact of the Five Target Set:	0.075
The Average Mean Radius of the Five Target Set:	0.925
The Distance from POA to Centroid Target #1:	0.178
The Distance from Centroid Target #2 to Centroid Target #1:	0.237
The Distance from Centroid Target #3 to Centroid Target #1:	0.342
The Distance from Centroid Target #4 to Centroid Target #1:	0.220
The Distance from Centroid Target #5 to Centroid Target #1:	0.267

SERIAL NUMBER: G6410234.___0
TARGET NUMBER: 1
FILE DATE: 02/27/2006
FILE TIME: 07:52

X CENTROID: 0.165
Y CENTROID: 0.067
POA TO CENTROID: 0.178
HORZ SPREAD: 3.222
VERT SPREAD: 2.401
GROUP SPREAD: 3.239
MIN RADIUS: 0.261
MAX RADIUS: 1.657
MEAN RADIUS: 1.041
IN 1 IN DIAMETER: 1
IN 2 IN DIAMETER: 5
in 3 IN DIAMETER: 7

POINT#	X	Y
1:	1.794	0.370
2:	0.928	1.434
3:	0.888	-0.266
4:	0.373	-0.090
5:	0.555	-0.820
6:	0.310	-0.967
7:	-0.440	0.042
8:	-0.683	0.183
9:	-0.648	0.748
10:	-1.428	0.039



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6410234. __0

TARGET NUMBER: 2

FILE DATE: 02/27/2006

FILE TIME: 07:52

POINT#	X	Y
--------	---	---

1:	1.329	-0.008
----	-------	--------

2:	0.840	-0.792
----	-------	--------

3:	0.524	-0.745
----	-------	--------

4:	-0.014	-0.806
----	--------	--------

5:	-0.859	-0.910
----	--------	--------

6:	-0.007	0.074
----	--------	-------

7:	0.194	0.472
----	-------	-------

8:	-0.246	0.579
----	--------	-------

9:	-0.976	0.878
----	--------	-------

10:	-1.139	0.673
-----	--------	-------

X CENTROID: -0.035

Y CENTROID: -0.058

POA TO CENTROID: 0.068

HORZ SPREAD: 2.468

VERT SPREAD: 1.788

GROUP SPREAD: 2.560

MIN RADIUS: 0.136

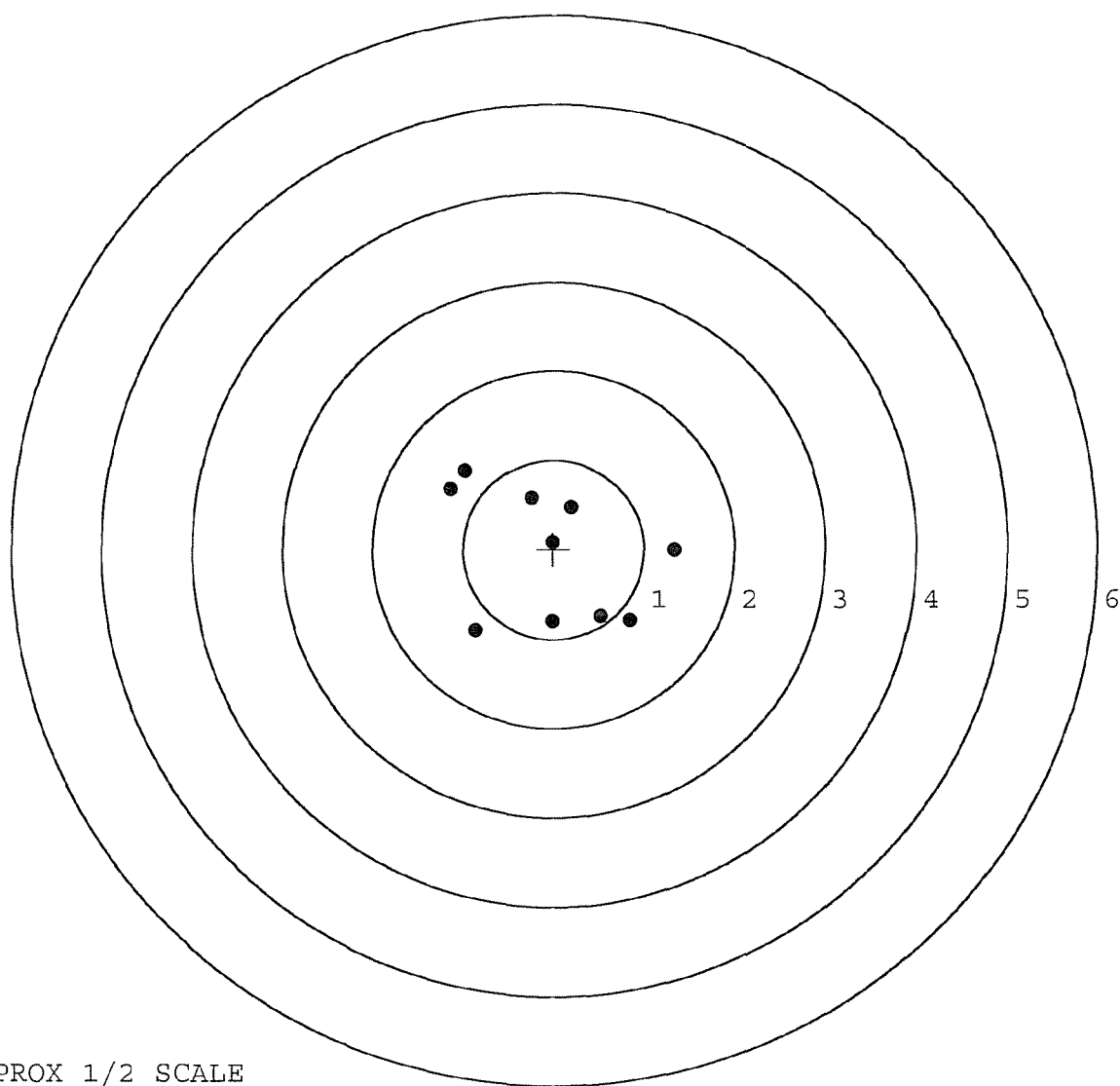
MAX RADIUS: 1.365

MEAN RADIUS: 0.936

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 5

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

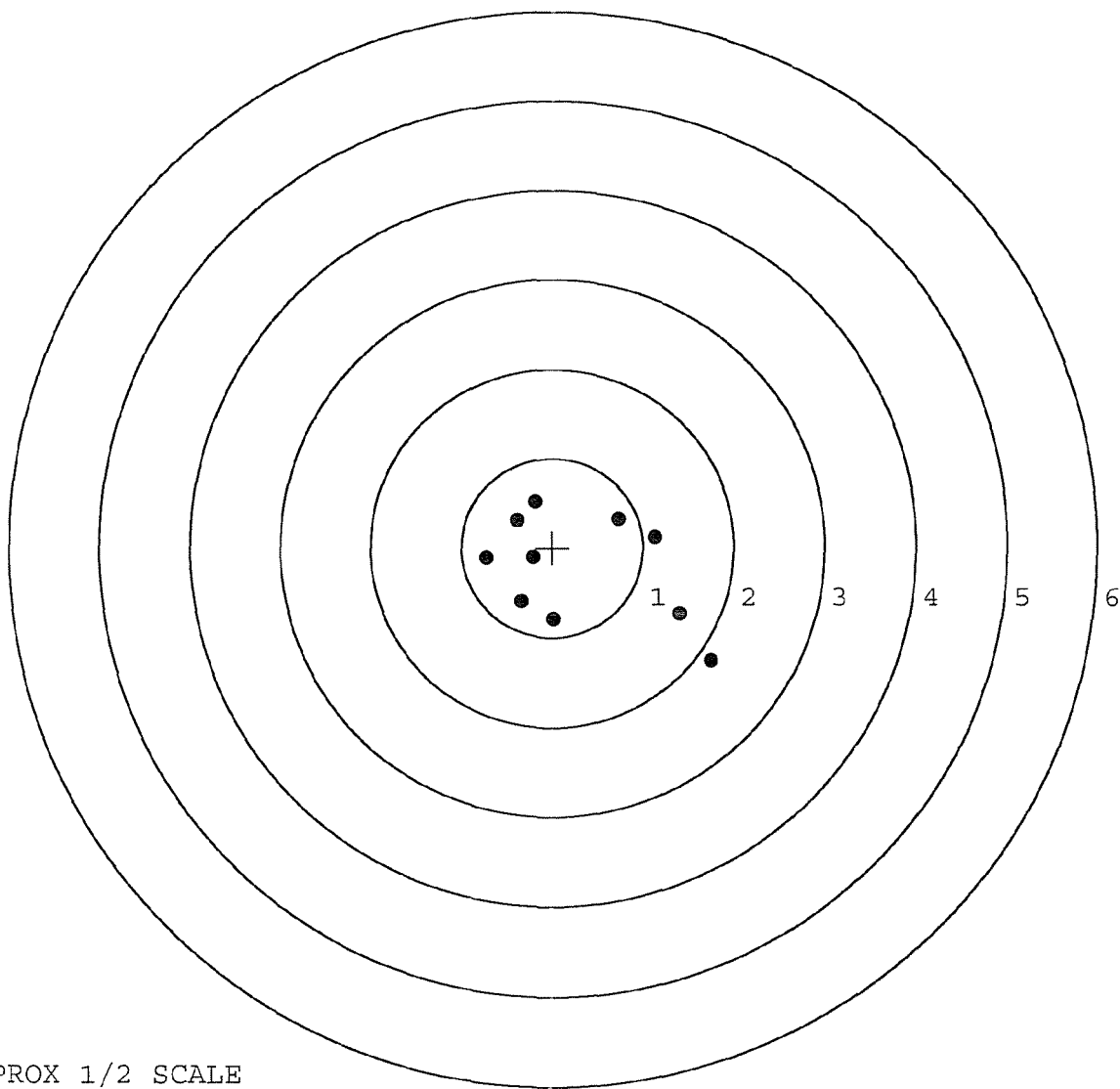
SERIAL NUMBER: G6410234. __0

TARGET NUMBER: 3

FILE DATE: 02/27/2006

FILE TIME: 07:52

	POINT#	X	Y
	1:	1.747	-1.261
	2:	1.402	-0.735
	3:	1.131	0.120
	4:	0.729	0.324
X CENTROID:	5:	0.026	-0.802
Y CENTROID:	6:	-0.340	-0.611
POA TO CENTROID:	7:	-0.216	-0.112
HORZ SPREAD:	8:	-0.723	-0.123
VERT SPREAD:	9:	-0.389	0.302
GROUP SPREAD:	10:	-0.188	0.516
MIN RADIUS:		0.549	
MAX RADIUS:		1.757	
MEAN RADIUS:		0.932	
# IN 1 IN DIAMETER:		0	
# IN 2 IN DIAMETER:		7	
# in 3 IN DIAMETER:		9	

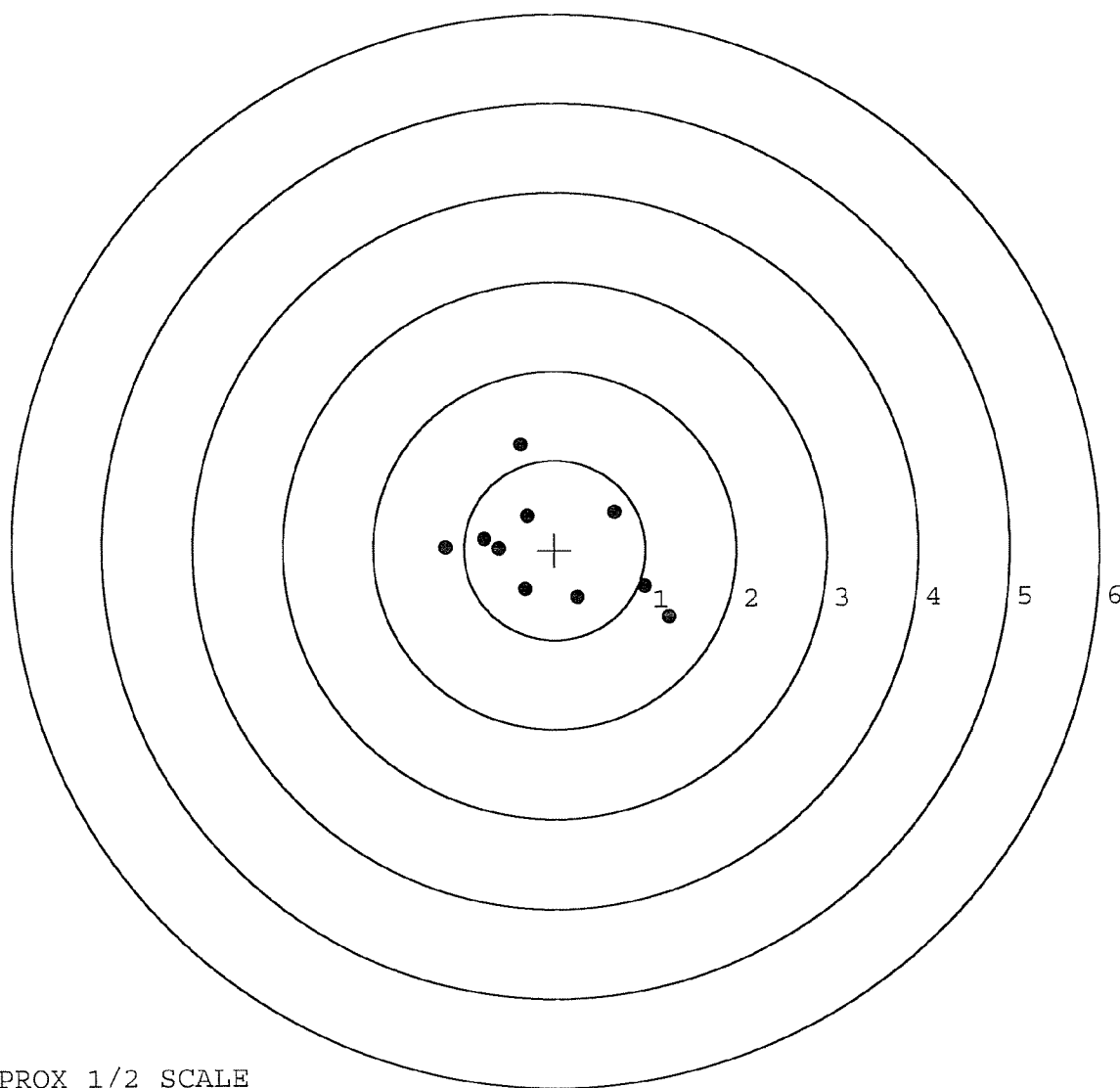


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6410234.____0
 TARGET NUMBER: 4
 FILE DATE: 02/27/2006
 FILE TIME: 07:52

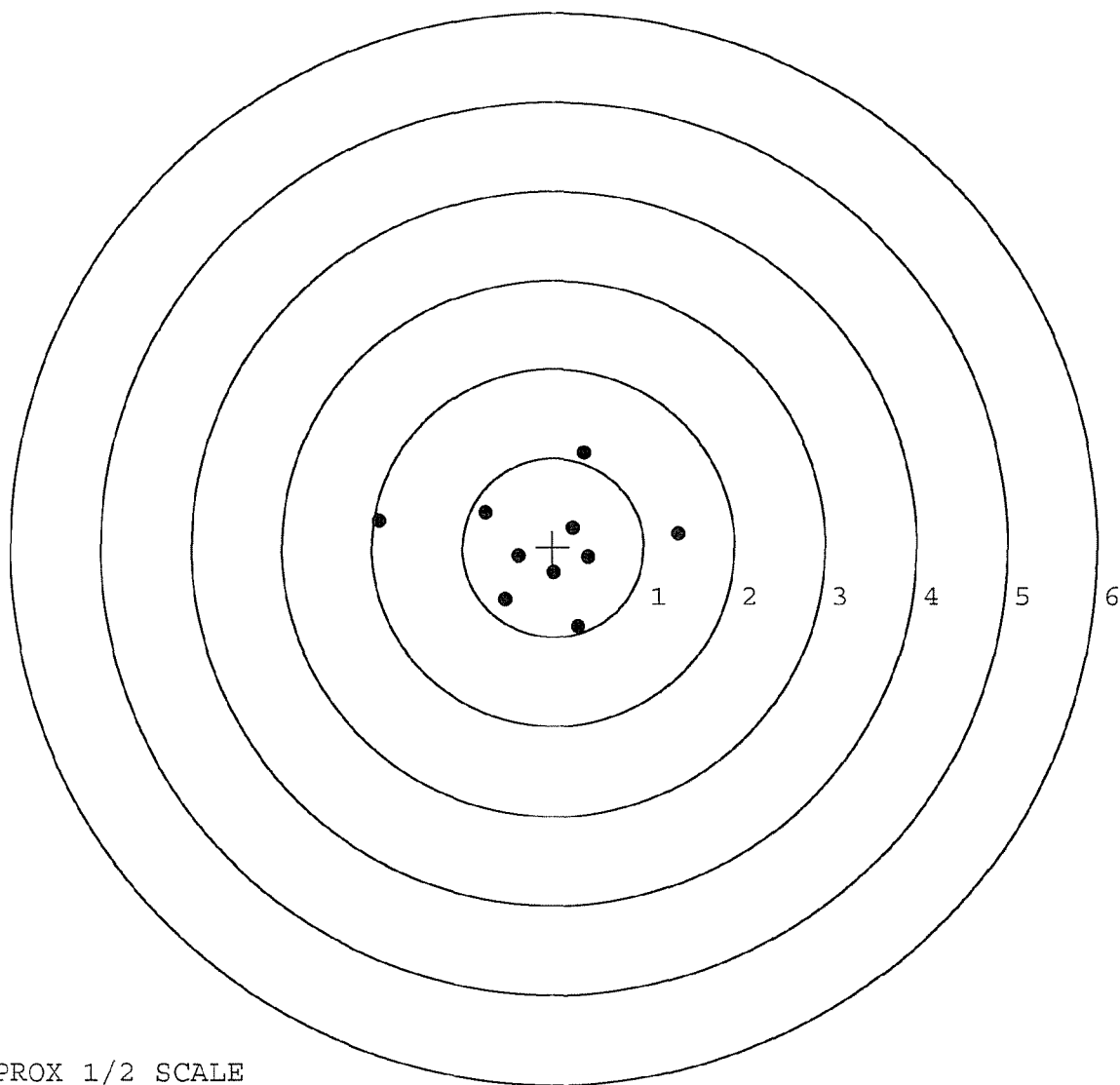
POINT#	X	Y
1:	1.254	-0.756
2:	0.990	-0.410
3:	0.660	0.418
4:	0.247	-0.531
5:	-0.330	-0.440
6:	-0.306	0.375
7:	-0.614	0.016
8:	-0.780	0.124
9:	-1.202	0.030
10:	-0.369	1.175

X CENTROID: -0.045
 Y CENTROID: 0.000
 POA TO CENTROID: 0.045
 HORZ SPREAD: 2.456
 VERT SPREAD: 1.931
 GROUP SPREAD: 2.579
 MIN RADIUS: 0.457
 MAX RADIUS: 1.503
 MEAN RADIUS: 0.871
 # IN 1 IN DIAMETER: 1
 # IN 2 IN DIAMETER: 6
 # in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6410234.____0	POINT#	X	Y
TARGET NUMBER: 5	1:	0.275	-0.890
FILE DATE: 02/27/2006	2:	1.380	0.159
FILE TIME: 07:52	3:	0.344	1.062
	4:	0.216	0.224
X CENTROID: -0.097	5:	0.387	-0.108
Y CENTROID: 0.015	6:	0.012	-0.282
POA TO CENTROID: 0.098	7:	-0.383	-0.105
HORZ SPREAD: 3.302	8:	-0.527	-0.592
VERT SPREAD: 1.952	9:	-0.749	0.392
GROUP SPREAD: 3.305	10:	-1.922	0.293
MIN RADIUS: 0.311			
MAX RADIUS: 1.846			
MEAN RADIUS: 0.844			
# IN 1 IN DIAMETER: 4			
# IN 2 IN DIAMETER: 7			
# in 3 IN DIAMETER: 9			



TARGET APPROX 1/2 SCALE

M-24 INSPECTION CHECKLIST
CONTRACT #: DAAE-20-02-D-0127

4361

R & E NUMBER	99509		
SERIAL NUMBER	1560413456		66410234
LOG-IN DATE	8-5-05		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	8-9-05	RTL
560 A	RE-BARREL		
B	DRILL AND TAP	2-20-06	TRW
575	ASSEMBLE		
600	PROOF		
605	CHECK HEADSPACE		
610	DIS-ASSEMBLE GUN		
2/20/06 12 unit	MAGNAFLUX	8/12/05	Wines
615	ROLLMARK CALIBER	8-15-05	CW
618	ROTO-BLAST	8-17-05	LB
620	APPLY COATINGS	2/21/06 RB	HP
625 A	FINAL ASSEMBLY	2-23-06	RTL
B	TRIGGER PULL TEST	3-16-06	AC
C	SAFETY "ON" FORCE	3-16-06	AC
D	SAFETY "OFF" FORCE	3-16-06	AC
E	FIRING PIN INDENT	3-16-06	AC
640	TARGET	TRW 2-27-06	TRW
655	FINAL INSPECT	3-16-06	AC
660	PACK	4-6-06	DA
		SHIP DATE	
		QAR INSPECTION DATE	

Arms Services Repair & Estimate System

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

Repair Inquiry

Repair Number: **RE00043095** Serial: C6225302 Model 700 Center Fire Caliber 7.62 NATO M-24 (SWS) Repairman: Status: Closed 3/11/02 4:04:10 PM

Verify Repair

Address Information

Customer: ☐ Received From: ☒ Return To: ☐ Received From: ☐

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

Address 1: **HHC 1 504TH PIR** **HHC 1 504TH PIR**

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: **910 432 1944**

Fax:

Email:

Comments:

Received Condition

Condition: **Poor**

Notes:

CSR Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	1
A010	Hard Case	1
A045	Bi Pod	1

Repair Search Refresh Close

maglet 3/11/02 4:43 PM CAPS NUM INS SCFL

Start Inb... SW... RA... SW... Ar... SW... Sco... 4:43 PM

Serial Number:

C6225302

Model: **700**



RE00043095

New #
E6413456

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

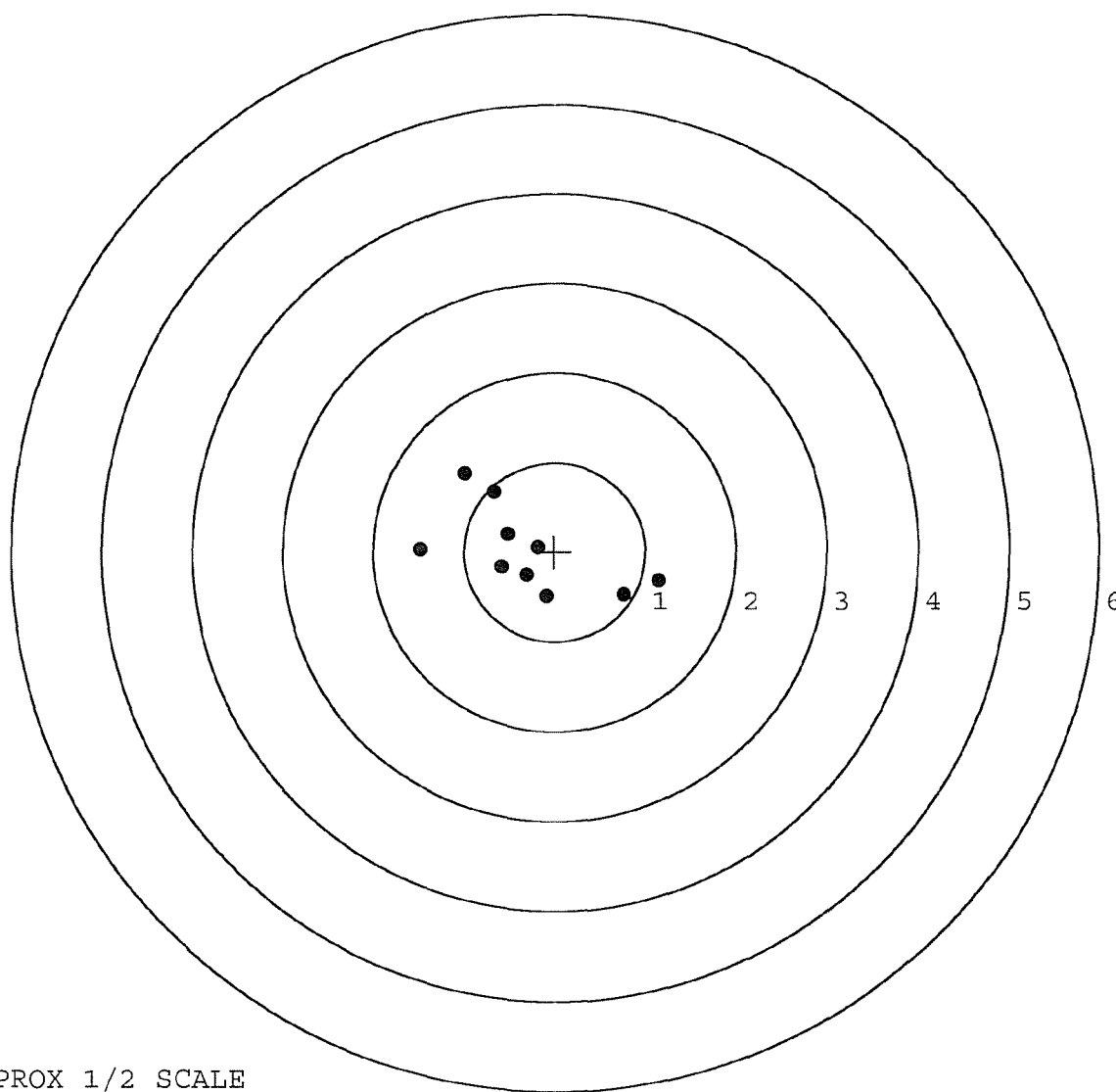
FIREARM SERIAL NUMBER / DATASET NAME: E6413456.___0

FILE DATE AND TIME: 03/26/2002 18:23

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

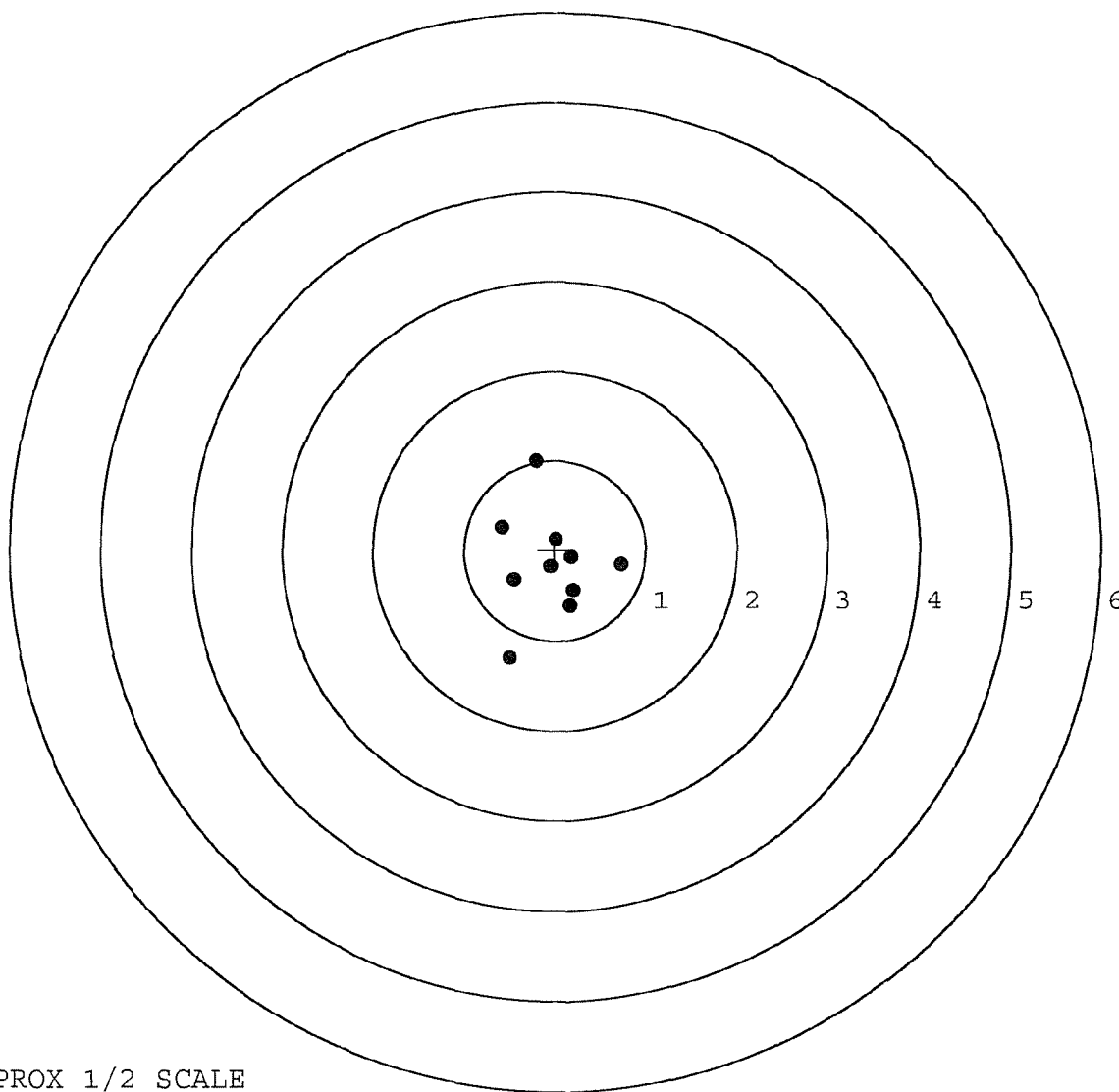
The Average X Centroid of the Five Target Set:	-0.043
The Average Y Centroid of the Five Target Set:	-0.029
The Average Point of Impact of the Five Target Set:	0.052
The Average Mean Radius of the Five Target Set:	0.583
The Distance from POA to Centroid Target #1:	0.292
The Distance from Centroid Target #2 to Centroid Target #1:	0.296
The Distance from Centroid Target #3 to Centroid Target #1:	0.219
The Distance from Centroid Target #4 to Centroid Target #1:	0.390
The Distance from Centroid Target #5 to Centroid Target #1:	0.395

SERIAL NUMBER: E6413456.____0	POINT#	X	Y
TARGET NUMBER: 1	1:	1.147	-0.328
FILE DATE: 03/26/2002	2:	0.764	-0.484
FILE TIME: 18:23	3:	-0.092	-0.502
	4:	-0.185	0.053
X CENTROID: -0.292	5:	-0.521	0.203
Y CENTROID: 0.006	6:	-0.667	0.670
POA TO CENTROID: 0.292	7:	-0.989	0.878
HORZ SPREAD: 2.629	8:	-1.482	0.015
VERT SPREAD: 1.380	9:	-0.580	-0.180
GROUP SPREAD: 2.651	10:	-0.310	-0.266
MIN RADIUS: 0.116			
MAX RADIUS: 1.477			
MEAN RADIUS: 0.729			
# IN 1 IN DIAMETER: 4			
# IN 2 IN DIAMETER: 6			
# in 3 IN DIAMETER: 10			



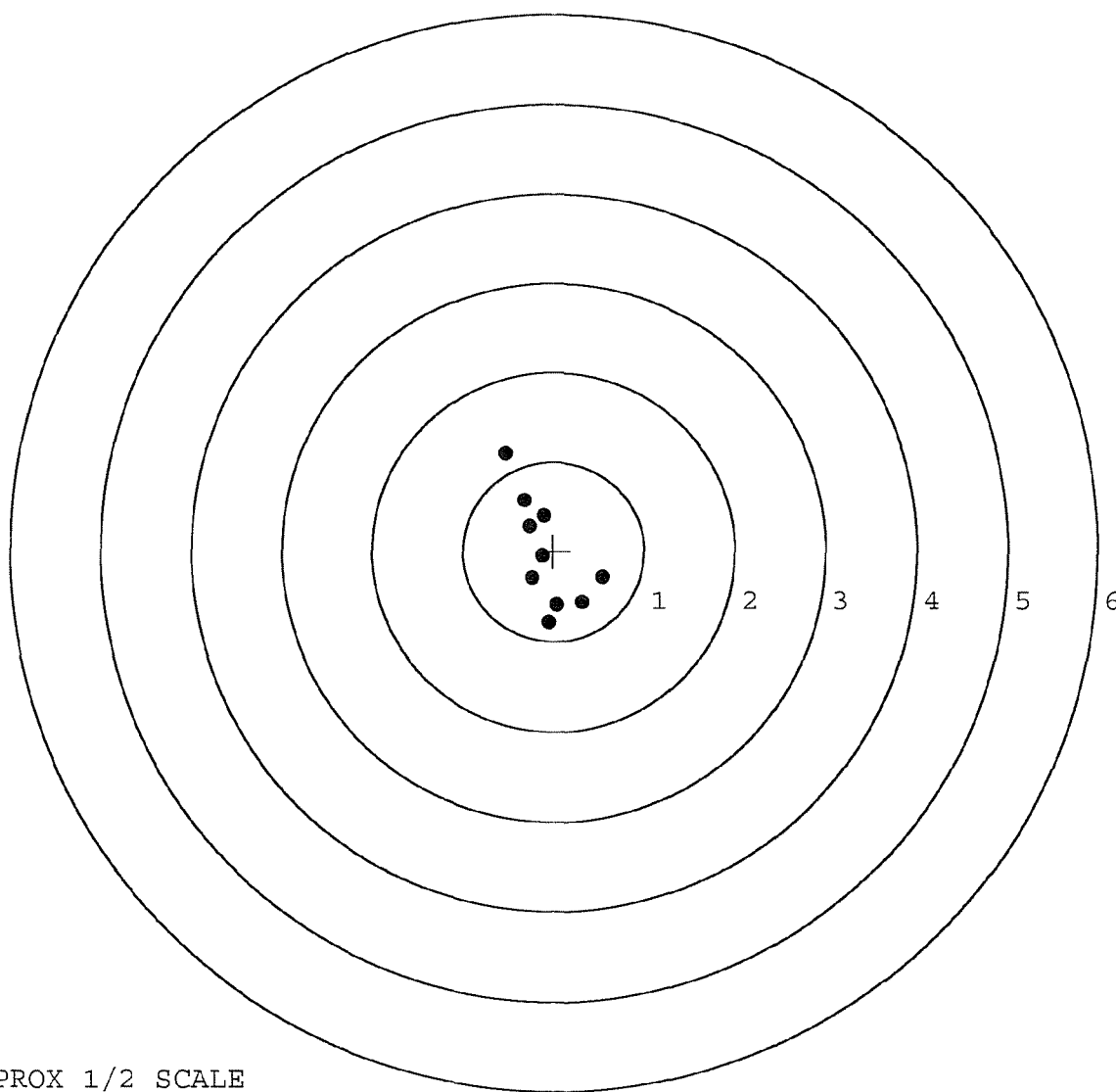
TARGET APPROX 1/2 SCALE

SERIAL NUMBER: E6413456.____0	POINT#	X	Y
TARGET NUMBER: 2	1:	0.728	-0.156
FILE DATE: 03/26/2002	2:	0.204	-0.442
FILE TIME: 18:23	3:	0.171	-0.615
	4:	-0.498	-1.200
X CENTROID: -0.048	5:	-0.448	-0.333
Y CENTROID: -0.164	6:	-0.582	0.259
POA TO CENTROID: 0.171	7:	-0.204	0.994
HORZ SPREAD: 1.310	8:	0.015	0.121
VERT SPREAD: 2.194	9:	0.181	-0.083
GROUP SPREAD: 2.214	10:	-0.050	-0.181
MIN RADIUS: 0.017			
MAX RADIUS: 1.168			
MEAN RADIUS: 0.562			
# IN 1 IN DIAMETER: 5			
# IN 2 IN DIAMETER: 8			
# in 3 IN DIAMETER: 10			



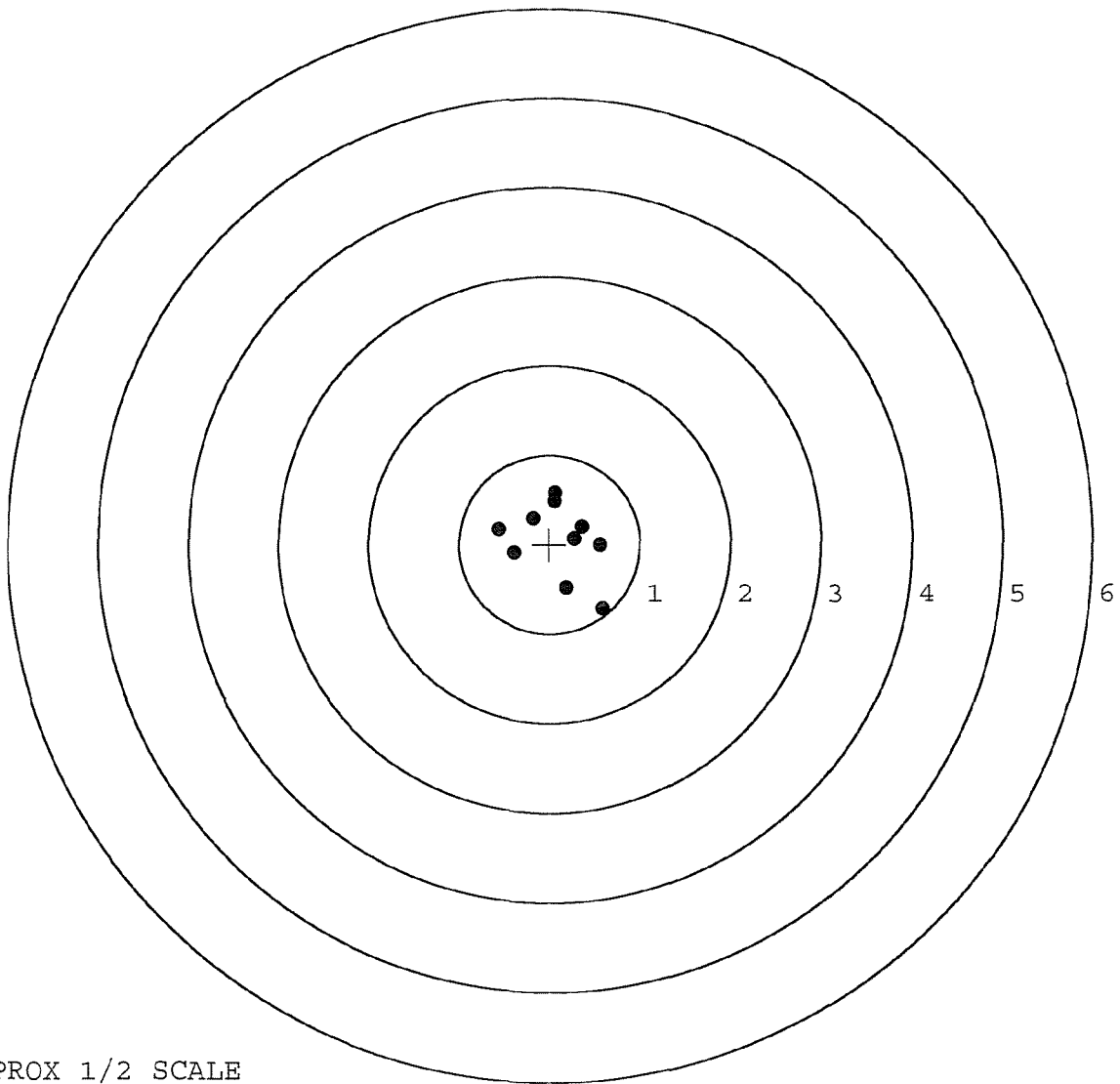
TARGET APPROX 1/2 SCALE

SERIAL NUMBER: E6413456.____0	POINT#	X	Y
TARGET NUMBER: 3	1:	0.543	-0.293
FILE DATE: 03/26/2002	2:	0.318	-0.569
FILE TIME: 18:23	3:	0.040	-0.605
	4:	-0.054	-0.800
X CENTROID: -0.075	5:	-0.239	-0.305
Y CENTROID: -0.030	6:	-0.122	-0.058
POA TO CENTROID: 0.081	7:	-0.272	0.275
HORZ SPREAD: 1.076	8:	-0.109	0.395
VERT SPREAD: 1.894	9:	-0.326	0.568
GROUP SPREAD: 1.954	10:	-0.533	1.094
MIN RADIUS: 0.054			
MAX RADIUS: 1.213			
MEAN RADIUS: 0.572			
# IN 1 IN DIAMETER: 4			
# IN 2 IN DIAMETER: 9			
# in 3 IN DIAMETER: 10			



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: E6413456. __0	POINT#	X	Y
TARGET NUMBER: 4	1:	0.593	-0.722
FILE DATE: 03/26/2002	2:	0.187	-0.489
FILE TIME: 18:23	3:	0.066	0.577
	4:	0.357	0.198
X CENTROID: 0.096	5:	0.564	-0.007
Y CENTROID: 0.046	6:	0.267	0.065
POA TO CENTROID: 0.106	7:	-0.183	0.288
HORZ SPREAD: 1.155	8:	-0.562	0.166
VERT SPREAD: 1.299	9:	-0.387	-0.094
GROUP SPREAD: 1.457	10:	0.057	0.481
MIN RADIUS: 0.172			
MAX RADIUS: 0.915			
MEAN RADIUS: 0.491			
# IN 1 IN DIAMETER: 5			
# IN 2 IN DIAMETER: 10			
# in 3 IN DIAMETER: 10			



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: E6413456. __0

TARGET NUMBER: 5

FILE DATE: 03/26/2002

FILE TIME: 18:23

POINT#	X	Y
--------	---	---

1:	-0.847	-0.240
----	--------	--------

2:	-0.562	0.802
----	--------	-------

3:	-0.111	-0.207
----	--------	--------

4:	-0.291	-0.352
----	--------	--------

5:	0.199	0.280
----	-------	-------

6:	0.785	0.220
----	-------	-------

7:	0.556	-0.391
----	-------	--------

8:	0.385	-0.304
----	-------	--------

9:	0.625	0.084
----	-------	-------

10:	0.299	0.089
-----	-------	-------

X CENTROID: 0.104

Y CENTROID: -0.002

POA TO CENTROID: 0.104

HORZ SPREAD: 1.632

VERT SPREAD: 1.193

GROUP SPREAD: 1.635

MIN RADIUS: 0.215

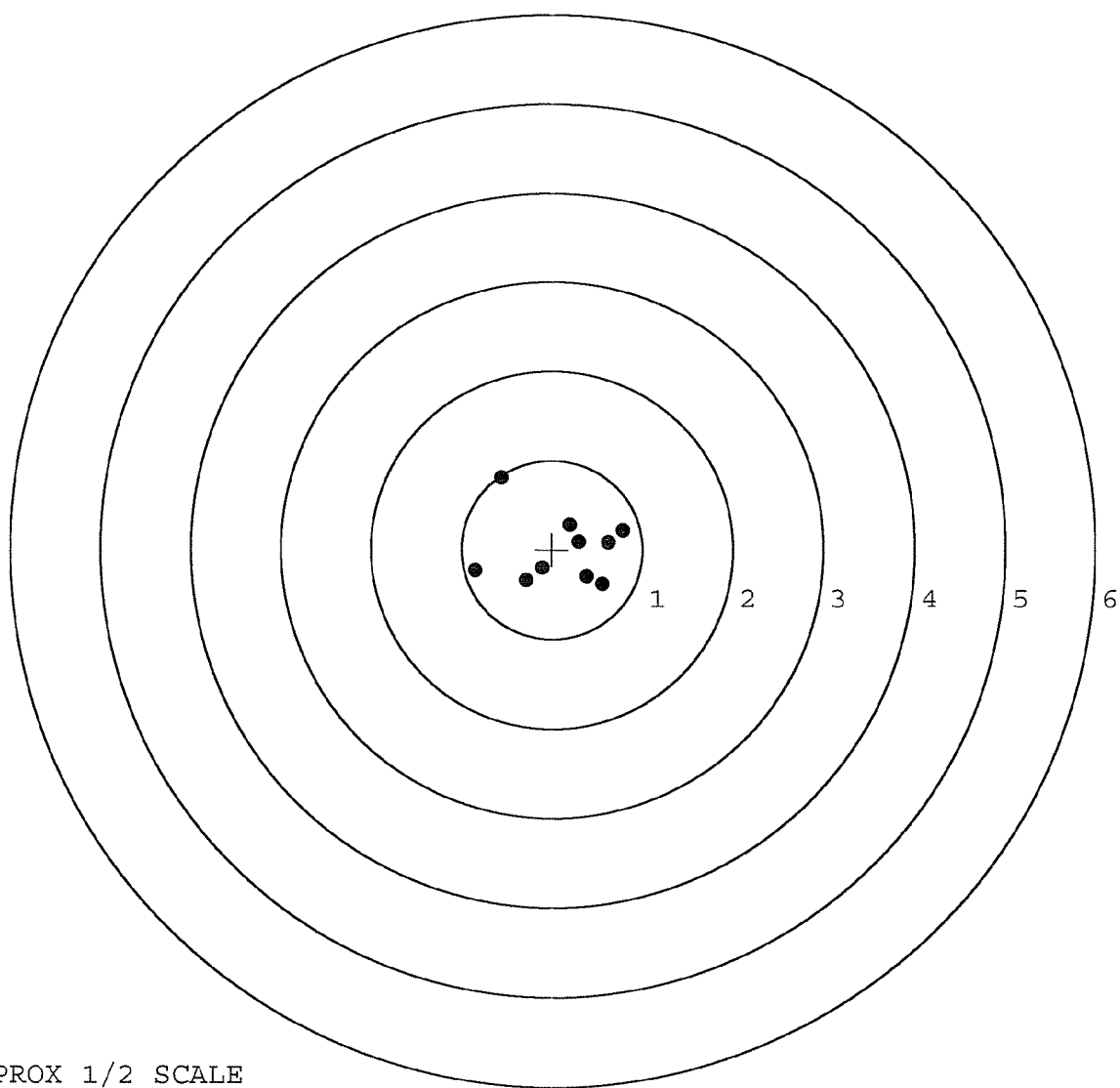
MAX RADIUS: 1.044

MEAN RADIUS: 0.562

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

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

R & E NUMBER 43095			
SERIAL NUMBER C6225302 E6413456			
LOG-IN DATE 3/11/02			
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	3/15/02	RAR
560 A	RE-BARREL AT CUSTOM SHOP	3/18/02	BWT
B	DRILL AND TAP	3/18/02	BWT
C	POLISH		
575	ASSEMBLE	3/18/02	RH
600	PROOF	3/18/02	RW
605	CHECK HEADSPACE	3/18/02	RW
610	DIS-ASSEMBLE GUN	3/18/02	RW
612	MAGNAFLUX		AC
615	ROLLMARK CALIBER	3/19/02	TLD
618	ROTO-BLAST		
620	APPLY COATINGS	3-21	TA
625 A	FINAL ASSEMBLY	3-23-02	RW
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	3-26-02	TRW
655	FINAL INSPECT	3-27-02	RH
660	PACK	3-27-02	RA
		SHIP DATE	
		QAR INSPECTION DATE	

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225302

OP.#	OP. NAME	READINGS	DATE	INITIAL
575 & 580	Assemble Action and stock	8	9/88	FB
600	Proof	9	7/88	RW
607	Check Headspace	9	7/88	RW
610	Dis-assemble gun	7	1/88	RW
612	Magnaflux Barrel Action		9-14-88	pjc.
	Magnaflux Bolt		9-14-88	pjc.
615	Rollmark Caliber			
617	Drill & Tap Sight Holes			
618	Polish Barrel			
620	Apply Coatings (Barrel Action)		10-31-88	TJA
	Apply Coatings (Bolt)		10-31-88	TJA
625	Final Assembly A) Clean inside of Bolt Assembly		11/2/88	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11/2/88	RW
	C) Inspect Ejector Hole for Chamfer		11/2/88	RW

OVER

OP.#		READINGS	DATE	INITIAL
625	D) Oil Firing Pin Ass'y		11/2/88	RW
cont.	E) Adjust Trigger Pull to Min. Setting and Stake		3 NOV 88	JS
	F) Safety on Force	5 5 5	4 NOV 88	JS
	G) Safety off Force	3 3 3	4 NOV 88	JS
	H) Trigger Pull Test & Retainabilty		3 NOV 88	JS
	I) Firing Pin Indent	.021 .021 .021	4 NOV 88	JS
	J) Assemble Stock		11/2/88	RW
	K) Attach Front & Rear Sight Assemblies		11/7/88	RW
	L) Iron Sight Alignment		11/7/88	RW
	M) Detach Front & Rear Sights & place in numbered container		11/7/88	RW
	N) Attach Scope to Rifle		11/7/88	RW
	O) Detach & Attach Scope 20 times		11/7/88	W.B.
640	Gallery Target & Test	74 R 76L	11/8/88	DH
	A) Optical Clarity of Scope		11/8/88	DH
645	Inspect for Live Ammo		11/8/88	DH
655	Final Inspection			
	A) Headspace		29 NOV 88	JS
	B) Trigger Pull	2.44 2.42 2.43	2.36 2.39	JS
	C) Function		29 NOV 88	JS
	D) Assemble Swivel Studs		29 NOV 88	JS
660	Pack		15 Dec 88	JS

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

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

SERIAL NO. C6225302

DATE 3/NOV 88

TESTER J. G. + R. S.

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.52	2.26	2.35	2.44	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.41	2.23	2.42	2.42	
PULL #3	2.45	2.25	2.43	2.43	
PULL #4	2.45	2.26	2.46	2.36	
PULL #5	2.37	2.27	2.48	2.39	
TOTAL	12.20	11.24	12.14	12.04	
AVG.	2.44	2.25	2.428	2.408	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.11	3.21		
PULL #2	3.15	3.29		
PULL #3	3.02	3.29		
PULL #4	3.21	3.22		
PULL #5	3.25	3.30		
TOTAL	15.74	16.31		
AVG.	3.148	3.262		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.26	4.02		4.36
PULL #2	4.28	4.11		4.40
PULL #3	4.08	4.17		4.40
PULL #4	4.26	4.14		4.43
PULL #5	4.23	4.17		4.43
TOTAL	21.11	20.61		22.02
AVG.	4.222	4.122		4.404

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225302

CENTROIDAL DISTANCES

0 TO	1	.830005
1 TO	2	.551403
1 TO	3	.129074
1 TO	4	.661076
1 TO	5	.555964

4 8
52
+ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1354
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .5348
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .551674
THE AMR FOR THIS RIFLE IS: 1.095

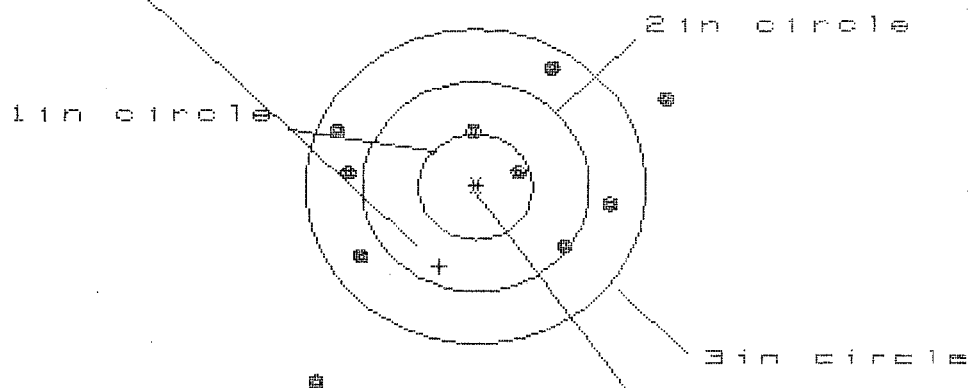
8 Nov 1988

FILE:/PATTERNING/CENTERFIRE_PATT/06225302

CENTERFIRE PATTERNS

1

POA



OF SHOTS- 10

IN CIR

1in = 1

2in = 3

3in = 8

HS= 3.154

VS= 2.977

GS= 4.153

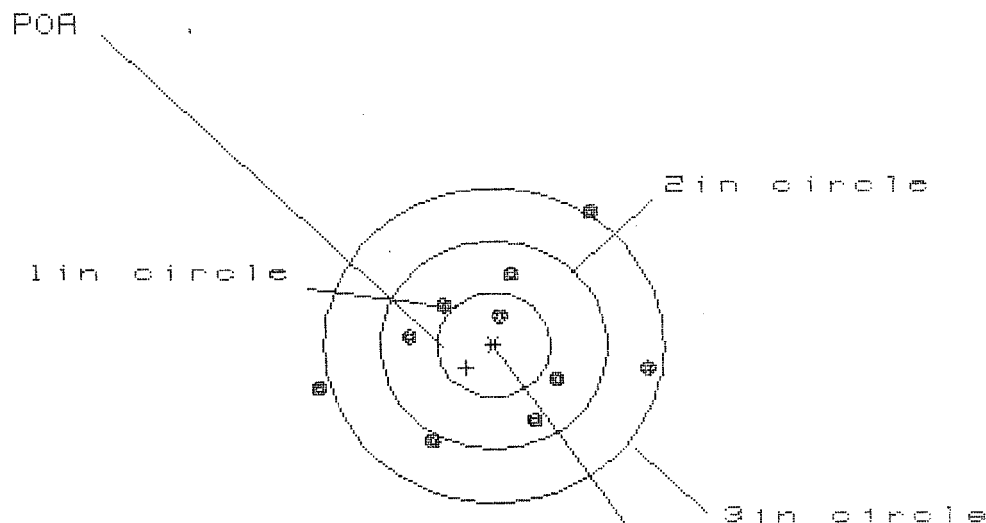
CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.690	1.527	1.252
MINIMUM X	-1.464	-1.336	-1.145
MAXIMUM Y	1.110	.903	.982
MINIMUM Y	-1.867	-.843	-.764
CENTROID X	.322	.485	.294
CENTROID Y	.765	.972	.893
POA TO CENTROID in.	.830	1.086	.941
MIN RADIUS'	.406	.253	.396
MEAN RADIUS	1.229	1.060	.991
MAX RADIUS	2.372	1.651	1.284
HORIZONTAL SPREAD	3.154	2.863	2.397
VERTICAL SPREAD	2.977	1.746	1.746
EXTREME SPREAD	4.153	3.060	2.507
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	3		
NUMBER IN THREE INCH CIRCLE =	8		

8 May 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6225302

CENTERFIRE PATTERNS # 2



OF SHOTS = 10

IN CIR

1in = 1

2in = 5

3in = 8

HS = 2.882

VS = 2.158

GS = 2.938

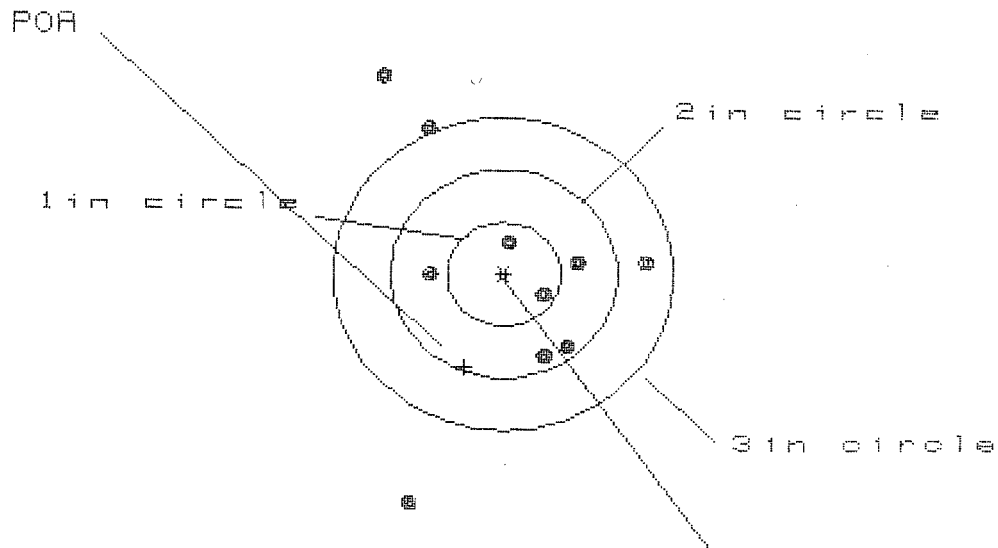
CENTROID *

PATTERN #	:	2	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.331	1.159	1.247
MINIMUM X	:	-1.551	-.931	-.843
MAXIMUM Y	:	1.252	1.207	.818
MINIMUM Y	:	-.906	-.951	-.800
CENTROID X	:	.245	.417	.329
CENTROID Y	:	.219	.264	.113
POA TO CENTROID in.	:	.329	.494	.348
MIN RADIUS	:	.272	.265	.379
MEAN RADIUS	:	.936	.856	.783
MAX RADIUS	:	1.602	1.398	1.256
HORIZONTAL SPREAD	:	2.882	2.090	2.090
VERTICAL SPREAD	:	2.158	2.158	1.618
EXTREME SPREAD	:	2.938	2.609	2.112
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	6		
NUMBER IN THREE INCH CIRCLE	=	8		

8 Nov 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6225302

CENTERFIRE PATTERNS # 3



OF SHOTS = 10

IN CIR

1in = 2

2in = 6

3in = 7

HS = 2.254

VS = 4.111

GS = 4.113

CENTROID #

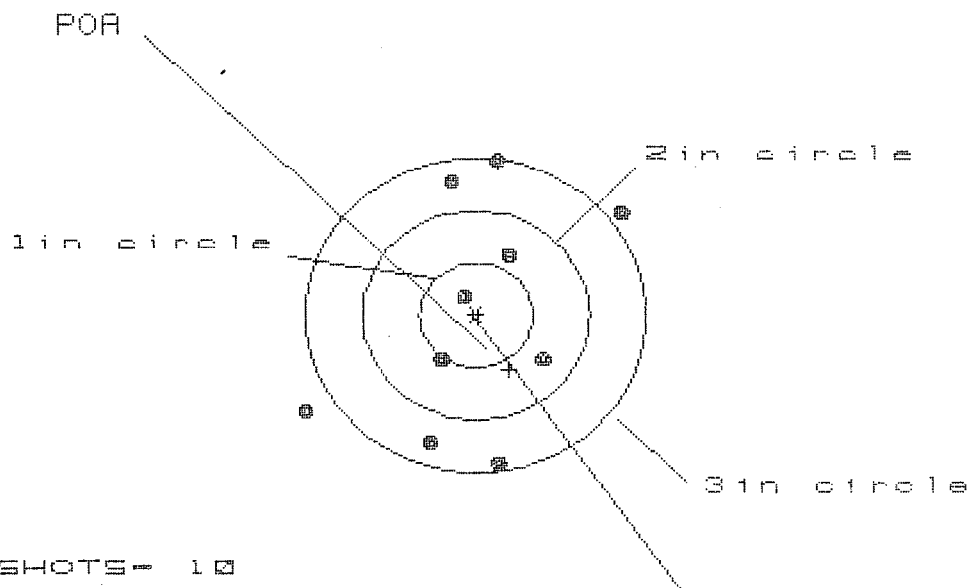
PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.252	1.155	1.017
MINIMUM X	:	-1.012	-1.109	-.928
MAXIMUM Y	:	1.950	1.710	1.430
MINIMUM Y	:	-2.161	-1.071	-.858
CENTROID X	:	.350	.447	.585
CENTROID Y	:	.891	1.131	.918
POA TO CENTROID in.	:	.957	1.216	1.088
MIN RADIUS	:	.266	.071	.267
MEAN RADIUS	:	1.119	.972	.784
MAX RADIUS	:	2.330	2.038	1.705
HORIZONTAL SPREAD	:	2.264	2.264	1.945
VERTICAL SPREAD	:	4.111	2.781	2.288
EXTREME SPREAD	:	4.113	3.089	2.502
NUMBER IN ONE INCH CIRCLE =			2	
NUMBER IN TWO INCH CIRCLE =			6	
NUMBER IN THREE INCH CIRCLE =			7	

8 May 1988

FILE:/PATTERNING/CENTERFIRE_PATT/06225302

CENTERFIRE PATTERNS

4



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 4

3 in = 8

HS= 2.813

VS= 2.896

GS= 3.380

CENTROID #

PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.325	1.159	.584
MINIMUM X	-1.488	-.598	-.453
MAXIMUM Y	1.433	1.334	1.444
MINIMUM Y	-1.463	-1.562	-1.452
CENTROID X	-.292	-.126	-.271
CENTROID Y	.520	.619	.509
POA TO CENTROID in.	.596	.632	.577
MIN RADIUS	.201	.247	.218
MEAN RADIUS	1.096	1.017	.949
MAX RADIUS	1.737	1.562	1.458
HORIZONTAL SPREAD	2.813	1.757	1.037
VERTICAL SPREAD	2.896	2.896	2.896
EXTREME SPREAD	3.380	2.896	2.896
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		4	
NUMBER IN THREE INCH CIRCLE =		8	

B May 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6225302

CENTERFIRE PATTERNS

5

POA

1in circle

2in circle

3in circle

OF SHOTS- 10

IN CIR

1in = 2

2in = 7

3in = 7

HS= 4.381

VS= 2.914

GS= 4.752

CENTROID *

PATTERN #	5		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	2.288	1.123	.893
MINIMUM X	-2.093	-1.839	-.901
MAXIMUM Y	1.294	1.114	1.119
MINIMUM Y	-1.620	-.967	-.962
CENTROID X	.052	-.202	.028
CENTROID Y	.279	.459	.454
POA TO CENTROID in.	.284	.501	.455
MIN RADIUS	.208	.041	.185
MEAN RADIUS	1.093	.899	.734
MAX RADIUS	2.803	1.840	1.437
HORIZONTAL SPREAD	4.381	2.962	1.794
VERTICAL SPREAD	2.914	2.081	2.081
EXTREME SPREAD	4.752	2.962	2.133
NUMBER IN ONE INCH CIRCLE	=	2	
NUMBER IN TWO INCH CIRCLE	=	7	
NUMBER IN THREE INCH CIRCLE	=	7	

M-24

Scope # 1343

New Barrel

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225302

OP. #	OP. NAME	READINGS	DATE	INITIAL
575 & 580	Assemble Action and Stock		12/2/93	RW
600	Proof		12/2/93	RW
607	Check Headspace		12/2/93	RW
610	Dis-assemble Gun		12/2/93	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		12/8/93	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		12/8/93	RW
	C) Inspect Ejector Hole for Chamfer		12/8/93	RW
	D) Oil Firing Pin Ass'y		12/8/93	RW
	E) Adjust Trigger Pull to Min Setting and Stake		12/8/93	RW

op. #	OP. NAME	READINGS					DATE	INIT
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						12/8/93	RW
	A) Time							
	B) Malfunctions							
	C) Pierced Primers							
	D) Optical Clarity of Scope							
645	Inspect for Live Ammo						12/8/93	RW
655	Final Inspection							
	A) Headspace						12/9/93	RW
	B) Trigger Pull	2.37	2.33	2.33	2.34	2.32	12/9/93	RW
	C) Function						12/9/93	RW
660	Pack							

Final Inspection

In: C6225302

DATE REC'D: 11/17/93

DATE RET'D: 12/10/93

AUDITOR: RW

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: _____

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225302
10 Dec 1993

CENTROIDAL DISTANCES

0 TO	1	.451692
1 TO	2	.644906
1 TO	3	.684977
1 TO	4	.52182
1 TO	5	.714316

2 1 5 <----POA

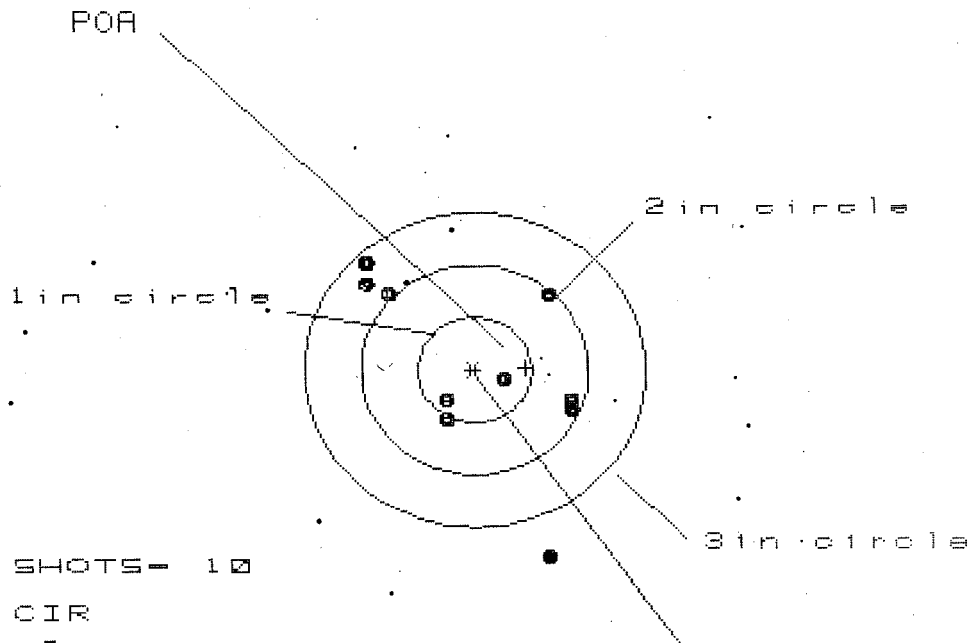
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.172
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0314
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .174843

THE AMR FOR THIS RIFLE IS: 1.075

10 Dec 1993

FILE:/PATTERNING/CENTERFIRE_PATT/C62225302

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 2

2in = 6

3in = 9

HS= 1.825

VS= 2.765

GS= 3.203

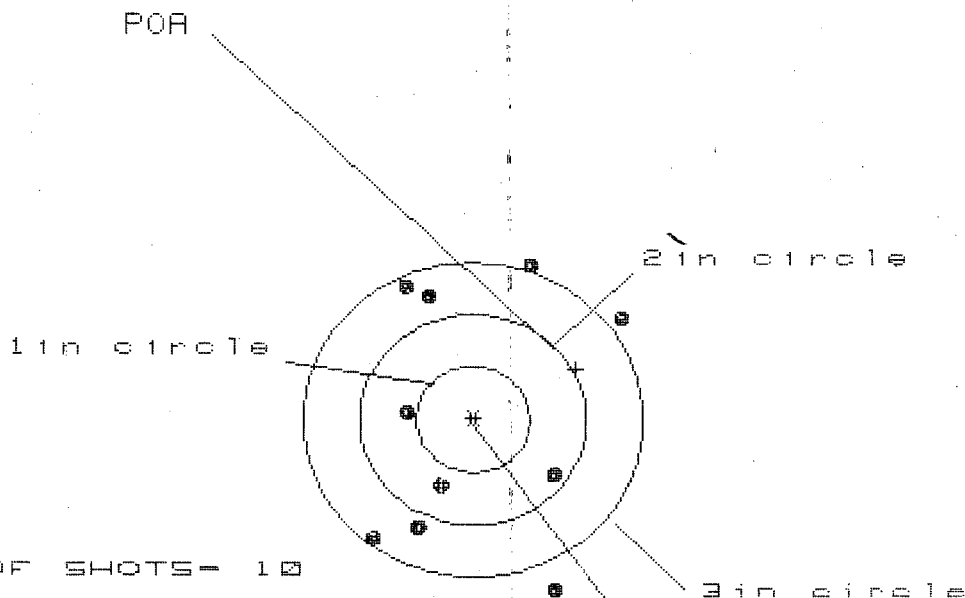
CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.833	.903	.788
MINIMUM X	-.992	-.922	-1.037
MAXIMUM Y	.999	.803	.704
MINIMUM Y	-1.766	-.686	-.586
CENTROID X	-.451	-.521	-.406
CENTROID Y	-.025	.171	.071
POA TO CENTROID in.	.452	.548	.412
MIN RADIUS	.276	.424	.272
MEAN RADIUS	.960	.874	.798
MAX RADIUS	1.875	1.219	1.254
HORIZONTAL SPREAD	1.825	1.825	1.825
VERTICAL SPREAD	2.765	1.489	1.290
EXTREME SPREAD	3.203	2.283	2.173
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	9		

18 Dec 1993

FILE:/PATTERNING/CENTERFIRE_PATT/062225302

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 0

2in = 3

3in = 7

HS= 2.221

VS= 3.106

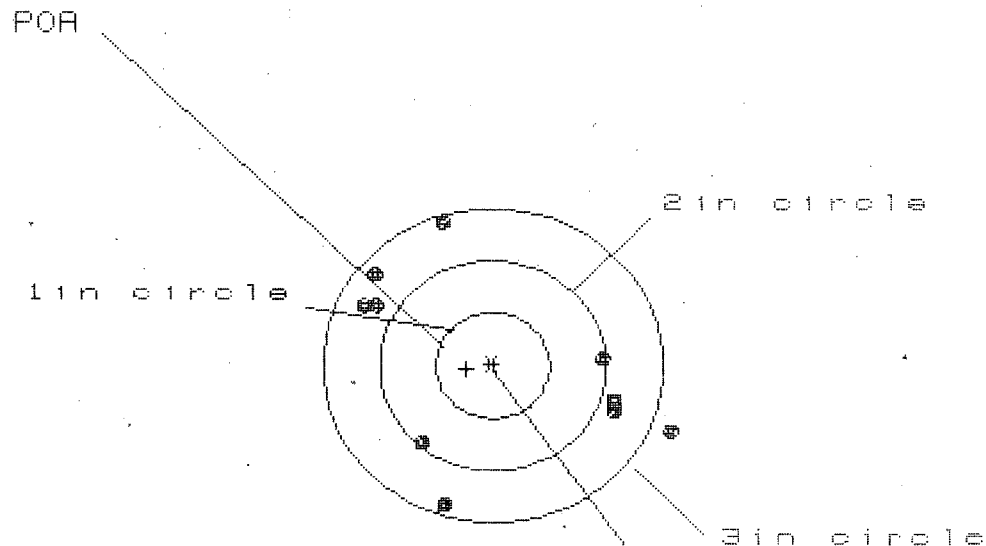
GS= 3.193

PATTERN #	:	2	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.344	1.423	.963
MINIMUM X	:	-.877	-.798	-.620
MAXIMUM Y	:	1.464	1.281	1.375
MINIMUM Y	:	-1.642	-1.347	-1.253
CENTROID X	:	-.911	-.990	-1.168
CENTROID Y	:	-.477	-.294	-.388
POA TO CENTROID in.	:	1.028	1.033	1.231
MIN RADIUS	:	.581	.496	.314
MEAN RADIUS	:	1.227	1.154	1.062
MAX RADIUS	:	1.789	1.610	1.560
HORIZONTAL SPREAD	:	2.221	2.221	1.583
VERTICAL SPREAD	:	3.106	2.628	2.628
EXTREME SPREAD	:	3.193	3.056	2.957
NUMBER IN ONE INCH CIRCLE	=	0	3	7
NUMBER IN TWO INCH CIRCLE	=	3	7	7
NUMBER IN THREE INCH CIRCLE	=	7	7	7

18 Dec 1993

FILE:/PATTERNING/CENTERFIRE_PATT/062225302

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 0

2in = 2

3in = 9

HS= 2.662

VS= 2.663

GS= 2.942

CENTROID *

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.566	1.265	1.233
MINIMUM X	:	-1.096	-.922	-.954
MAXIMUM Y	:	1.345	1.280	.941
MINIMUM Y	:	-1.318	-1.383	-1.223
CENTROID X	:	.232	.058	.090
CENTROID Y	:	.027	.092	-.068
POA TO CENTROID in.	:	.233	.108	.113
MIN RADIUS	:	.919	.928	.806
MEAN RADIUS	:	1.240	1.179	1.153
MAX RADIUS	:	1.672	1.403	1.276
HORIZONTAL SPREAD	:	2.662	2.187	2.187
VERTICAL SPREAD	:	2.663	2.663	2.164
EXTREME SPREAD	:	2.942	2.663	2.449
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		2	
NUMBER IN THREE INCH CIRCLE	=		9	

18 Dec 1933

FILE:/PATTERNING/CENTERFIRE_PATT/062225302

CENTERFIRE PATTERNS

4

POA

1 in circle

2 in circle

3 in circle

OF SHOTS- 10

IN CIR

1 in = 3

2 in = 6

3 in = 10

HS= 2.237

VS= 2.438

GS= 2.467

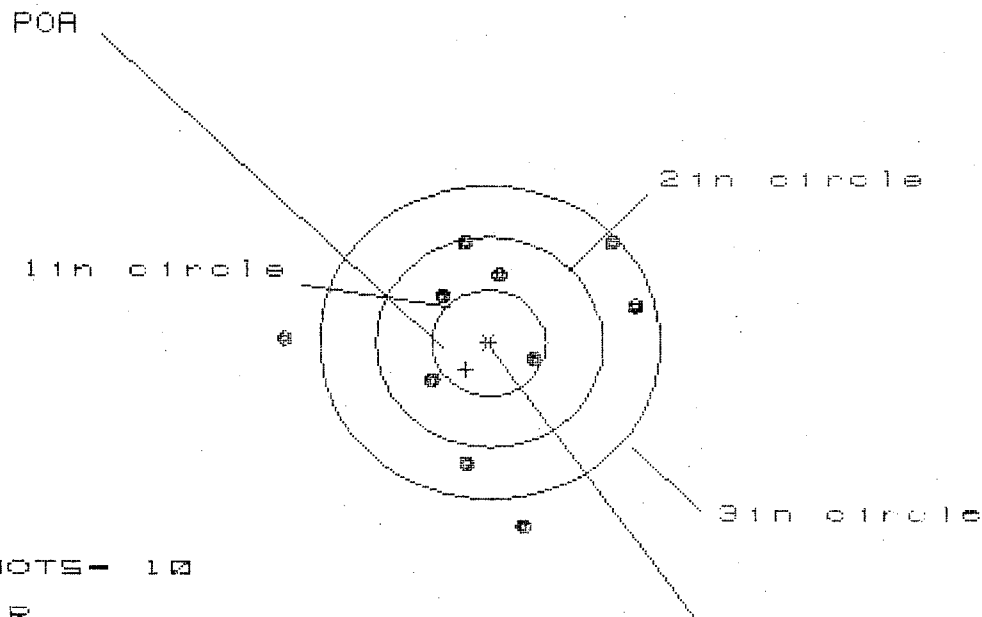
CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.943	.907	.741
MINIMUM X	:	-1.294	-1.330	-1.122
MAXIMUM Y	:	1.377	.713	.372
MINIMUM Y	:	-1.061	-.908	-.819
CENTROID X	:	.063	.099	.265
CENTROID Y	:	.065	-.088	-.177
POA TO CENTROID in.	:	.091	.132	.319
MIN RADIUS	:	.129	.227	.314
MEAN RADIUS	:	.849	.781	.670
MAX RADIUS	:	1.414	1.509	1.130
HORIZONTAL SPREAD	:	2.237	2.237	1.863
VERTICAL SPREAD	:	2.438	1.621	1.191
EXTREME SPREAD	:	2.467	2.458	1.895
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

18 Dec 1993

FILE:/PATTERNING/CENTERFIRE_PATT/C62225302

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 1

2in = 4

3in = 8

HS= 3.100

VS= 2.769

GS= 3.117

CENTROID *

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.300	1.328	1.106
MINIMUM X	:	-1.800	-1.772	-.683
MAXIMUM Y	:	.976	.776	.756
MINIMUM Y	:	-1.793	-1.353	-1.373
CENTROID X	:	.207	.179	.401
CENTROID Y	:	.253	.453	.473
POA TO CENTROID in.	:	.327	.487	.620
MIN RADIUS	:	.441	.490	.422
MEAN RADIUS	:	1.097	.990	.880
MAX RADIUS	:	1.811	1.780	1.433
HORIZONTAL SPREAD	:	3.100	3.100	1.789
VERTICAL SPREAD	:	2.769	2.129	2.129
EXTREME SPREAD	:	3.117	3.117	2.447
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		8	

RECEIVING AND ESTIMATING REPORT

COMMENTS

ORDER
R 93-25384

INITIAL
FPS

CUSTOMER ORDER NO.

ATTN: FRED MARTIN W/ULTRA 10X-M3A SCOPE
W/REDFIELD PEEP SIGHT/M24 SWS

DATE RECEIVED
11/17/93

DATE OPENED
11/23/93

DATE CODE
DI 9-88

SERIAL NUMBER
C6225302

NEW SERIAL NUMBER

MODEL AND GRADE
700 7.62

NATO

ACCESSORIES SLING STRAP W/STUDS

W/SWIVELS

SCOPE MNTS

SCOPE BASE

FROM:

DEPT OF THE ARMY
CDR 1/504 PIR
ATTN: SCOUTS
FT BRAGG

NC 28307

SHIP TO:

DEPT OF THE ARMY
CDR 1/504 PIR
ATTN: SCOUTS
FT BRAGG

NC

28307

CUST NO:087740 C.O.L.D L

ACCOUNT NUMBER

ACCOUNT NUMBER N/C

WRITE ☐

PROM. DATE

ESTIMATED

VIA

R760136633

GUN CONDITION

- ☐ NEW
☐ LIGHTLY WORN
☐ WORN
☐ VERY WORN
☐ UNREPAIRABLE
☐ MARRED

REPAIR CHARGE

EXCISE

TAX

INSURANCE

UPS

PARCEL POST

TOTAL

CUSTOMER CONCERN	AMMO	FUNCTION	FINISH	ACCURACY	FIT	INSPECT
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

Check Gun for Damaged parts
Re-Barrel

PARTS

COMMENTS

Barrel Assy - 96002

Re-zinc - Scope Base, Scope Rings,
Swivel, Studs
Re-powder Coat - Floor plate, latch,
Trigger Guard, Front & Rear Sight
Bases

REPAIRMAN

PROOF

CLEAN

TEST

TARGET

PATTERN

GALLERY TESTER

DATE

DATE

DATE

DATE

DATE

OFFICE COPY

RD6925 REV. 1/92

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

M2400149062

S/N: 6225302 M24 SWS

PLEASE SURVEY ALL EQUIPMENT
AND REPLACE MISSING OR BROKEN
PARTS.

PLEASE CHECK STOCKS FOR DAMAGE
CAUSED BY EXPOSURE TO EXCESSIVE
DESERT HEAT

MISSING: BIPOD

DEPARTMENT OF THE ARMY

Commander
the 7509 PIR

FT BRAGG NC 28307

OFFICIAL BUSINESS

ARMS SERVICE DIV
REMINGTON ARMS CO.
LLION NEW YORK

REGISTERED MAIL

R 760 136 633

Use Label 10-1, Sep 63
Edition of Oct 74 will be used until exhausted

HEAT
RE
20
20
10

DEPARTMENT OF THE ARMY

CDR 1504 PIR

ATTN: SCOUTS

Fort Bragg NC 28307

OFFICIAL BUSINESS

3013

Arms Service Division

Remington Arms Co

Union NY 13357

3-1, Sep 83
of Oct 74 will be used until exhausted.