

G6445311
Replaced
E6703524

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: **RE00129198** Serial: E6703504 Model M24 SWS Center Fire Repairman: _____
 Caliber: 7.62 NATO Status: New 5/10/2007 11:17:42 AM

Verify Repair

Address Information

Customer: _____ Received From: _____ Return To: _____ Received From: _____
 Name: 341 SFG/TRF
 Address 1: 77TH STREET SOUTH BLDG 581
 Address 2: _____ PO Box: _____
 City: MALMSTROM AFB
 State: MT Zip Code: 59402 Country: US
 State: MT Zip Code: 59402 Country: US

FFL: _____

Contact / Condition Problems Estimate History / Status Shipping / Billing

Contact Information

Phone: NN
 Fax: _____
 Email: _____
 Comments: _____

Received Condition

Condition: Fair
 Condition Notes: _____
 CSR Notes: _____

Accessories Received

Code	Desc	Qty
A007	With Stud	3
A017	Scope Base	1
A026	Scope	1
A045	Bi Pod	1
A057	Fit and Rear Sgt Base	1

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

naglej 5/10/2007 12:05 PM CAPS NUM INS SCRL

start 3 Mi... 5 Int... 2 Mi... SAP L... Part S... Arms ... 12:05 PM

G 664 5311 (New)

Serial Number: **E6703504**

Model: **M24 SWS**



RE00129198

New Deployment Kit



DEPARTMENT OF THE AIR FORCE
HEADQUARTERS 341ST SPACE WING (AFSPC)

E 670 3504

01 May 2007

MEMORANDUM FOR THOMAS J. NAGLE COMM: 315-895-3289

FROM: SrA Jason Johnston 341SFG/TRF S-4

SUBJECT: Cost for M-24 Repair

1. Sir, I would like a cost estimate if there is to be one for the repair of this M-24. I also am requesting a completely new Deployment Kit. The part number for that is 96096 with a quoted cost of \$383.25. If I can be contacted so that I can arrange payment for both I would appreciate it. I also am requesting this repair be done as fast as possible. This weapon is one of our operational weapons and we are hampered in our ability to conduct operational tactical missions with this weapon being gone. I appreciate any and all help that can be provided.
2. If there are any questions please contact me at DSN:632-2252, Comm: 406-731-2252, or my email is jason.johnston@malmstrom.af.mil. Thank-you for all the help.


SrA Jason Johnston
341 TRF/S-4

Guardians of the High Frontier

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: G6645311.___0
FILE DATE AND TIME: 06/01/2007 15:32

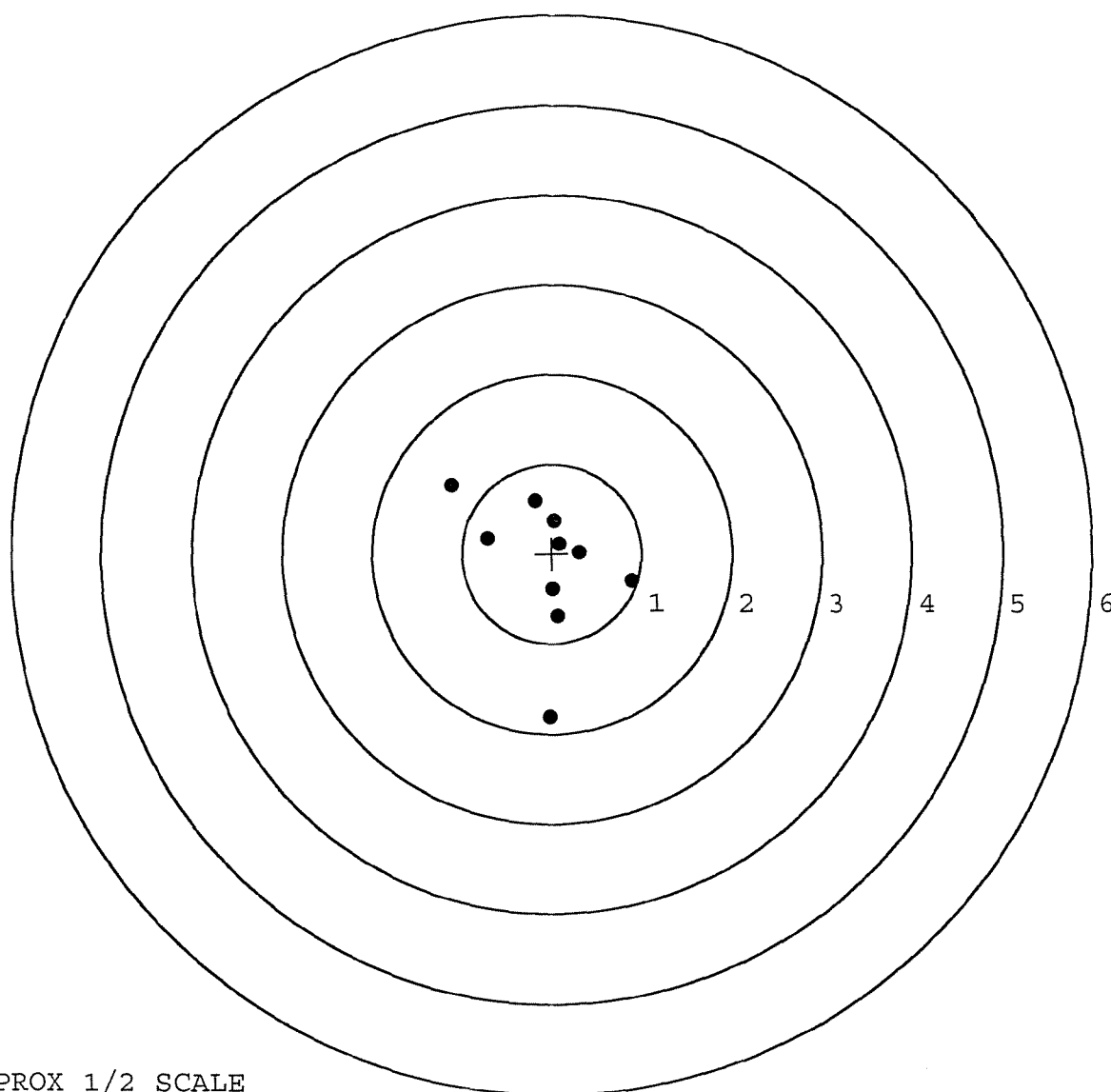
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.039
The Average Y Centroid of the Five Target Set:	-0.070
The Average Point of Impact of the Five Target Set:	0.080
The Average Mean Radius of the Five Target Set:	0.566
The Distance from POA to Centroid Target #1:	0.138
The Distance from Centroid Target #2 to Centroid Target #1:	0.036
The Distance from Centroid Target #3 to Centroid Target #1:	0.228
The Distance from Centroid Target #4 to Centroid Target #1:	0.201
The Distance from Centroid Target #5 to Centroid Target #1:	0.348

SERIAL NUMBER: G6645311. __0
TARGET NUMBER: 1
FILE DATE: 06/01/2007
FILE TIME: 15:32

POINT#	X	Y
1:	-1.115	0.762
2:	-0.714	0.170
3:	-0.188	0.588
4:	0.022	0.372
5:	0.084	0.112
6:	0.309	0.009
7:	0.008	-0.404
8:	0.070	-0.706
9:	0.891	-0.309
10:	-0.018	-1.815

X CENTROID: -0.065
Y CENTROID: -0.122
POA TO CENTROID: 0.138
HORZ SPREAD: 2.006
VERT SPREAD: 2.577
GROUP SPREAD: 2.801
MIN RADIUS: 0.278
MAX RADIUS: 1.694
MEAN RADIUS: 0.754
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 9

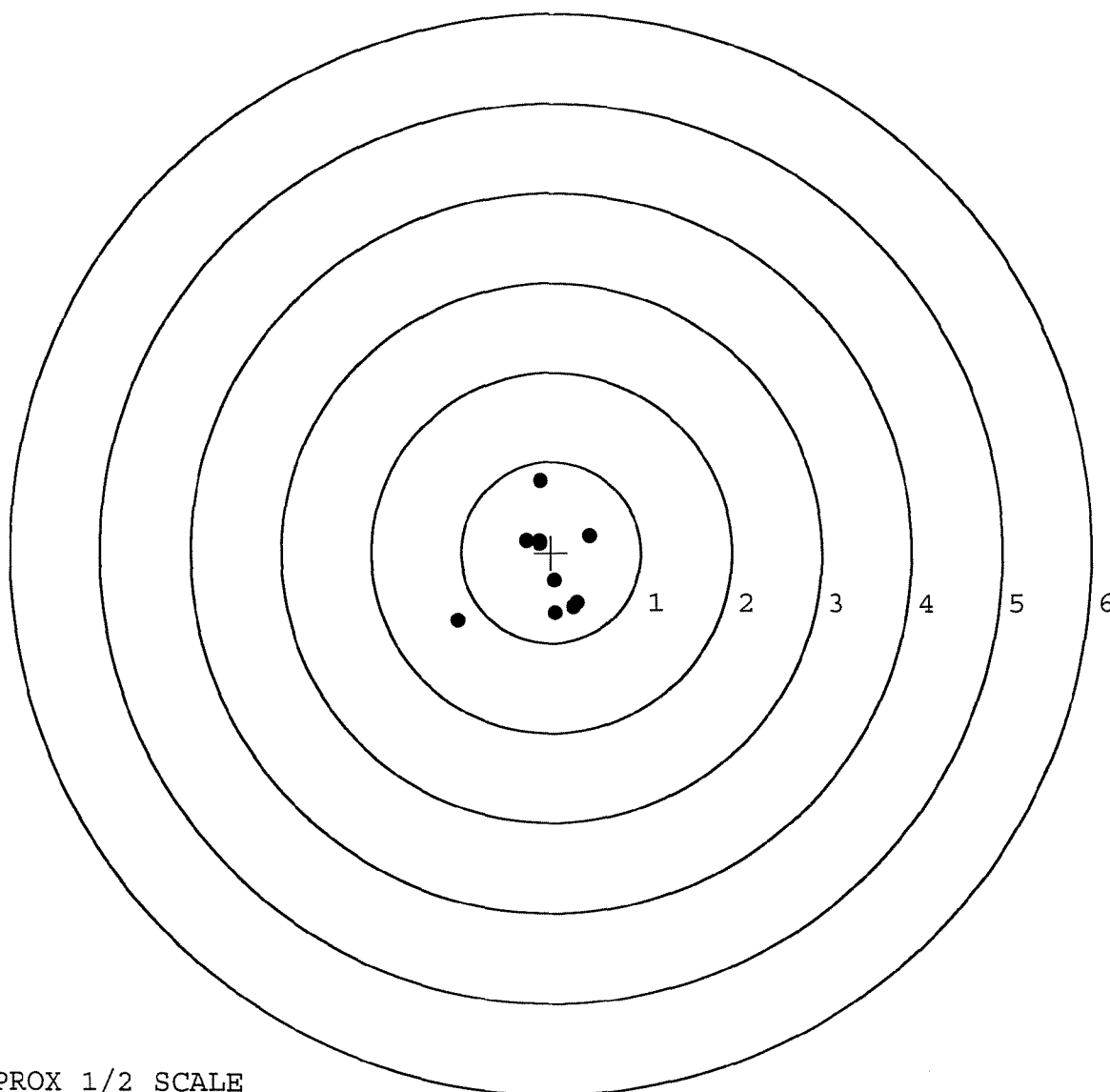


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6645311. __ 0
TARGET NUMBER: 2
FILE DATE: 06/01/2007
FILE TIME: 15:32

POINT#	X	Y
1:	-0.120	0.788
2:	-0.276	0.128
3:	-0.130	0.121
4:	0.432	0.183
5:	0.045	-0.312
6:	0.049	-0.667
7:	0.255	-0.602
8:	0.298	-0.559
9:	-1.038	-0.760
10:	-0.131	0.097

X CENTROID: -0.062
Y CENTROID: -0.158
POA TO CENTROID: 0.170
HORZ SPREAD: 1.470
VERT SPREAD: 1.548
GROUP SPREAD: 1.800
MIN RADIUS: 0.187
MAX RADIUS: 1.147
MEAN RADIUS: 0.540
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

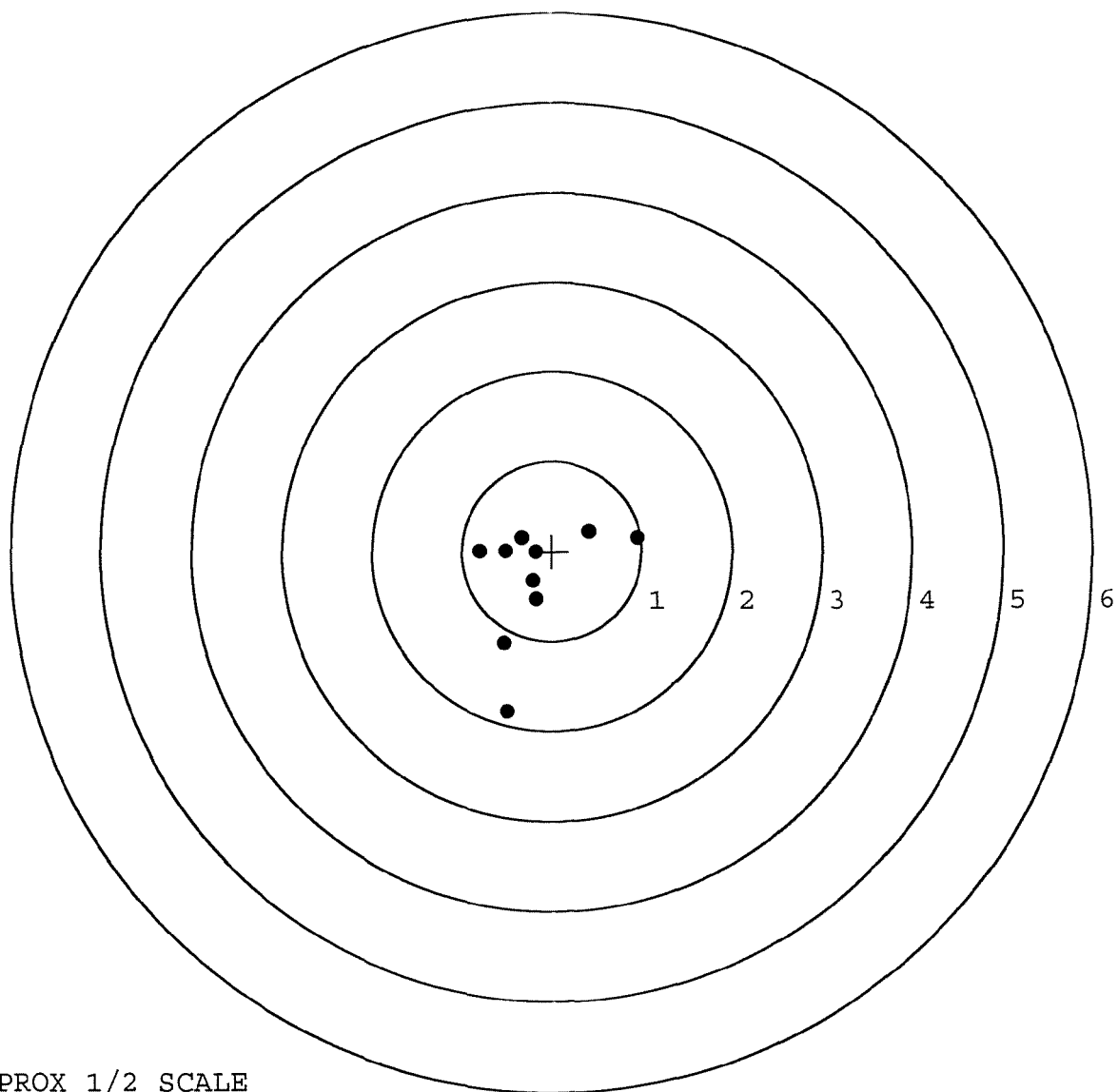


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6645311. __0
TARGET NUMBER: 3
FILE DATE: 06/01/2007
FILE TIME: 15:32

X CENTROID: -0.190
Y CENTROID: -0.313
POA TO CENTROID: 0.366
HORZ SPREAD: 1.759
VERT SPREAD: 2.007
GROUP SPREAD: 2.420
MIN RADIUS: 0.024
MAX RADIUS: 1.500
MEAN RADIUS: 0.653
IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	-0.501	-1.781
2:	-0.536	-1.025
3:	0.416	0.226
4:	0.953	0.153
5:	-0.176	-0.536
6:	-0.208	-0.329
7:	-0.185	-0.012
8:	-0.337	0.154
9:	-0.519	0.009
10:	-0.806	0.007

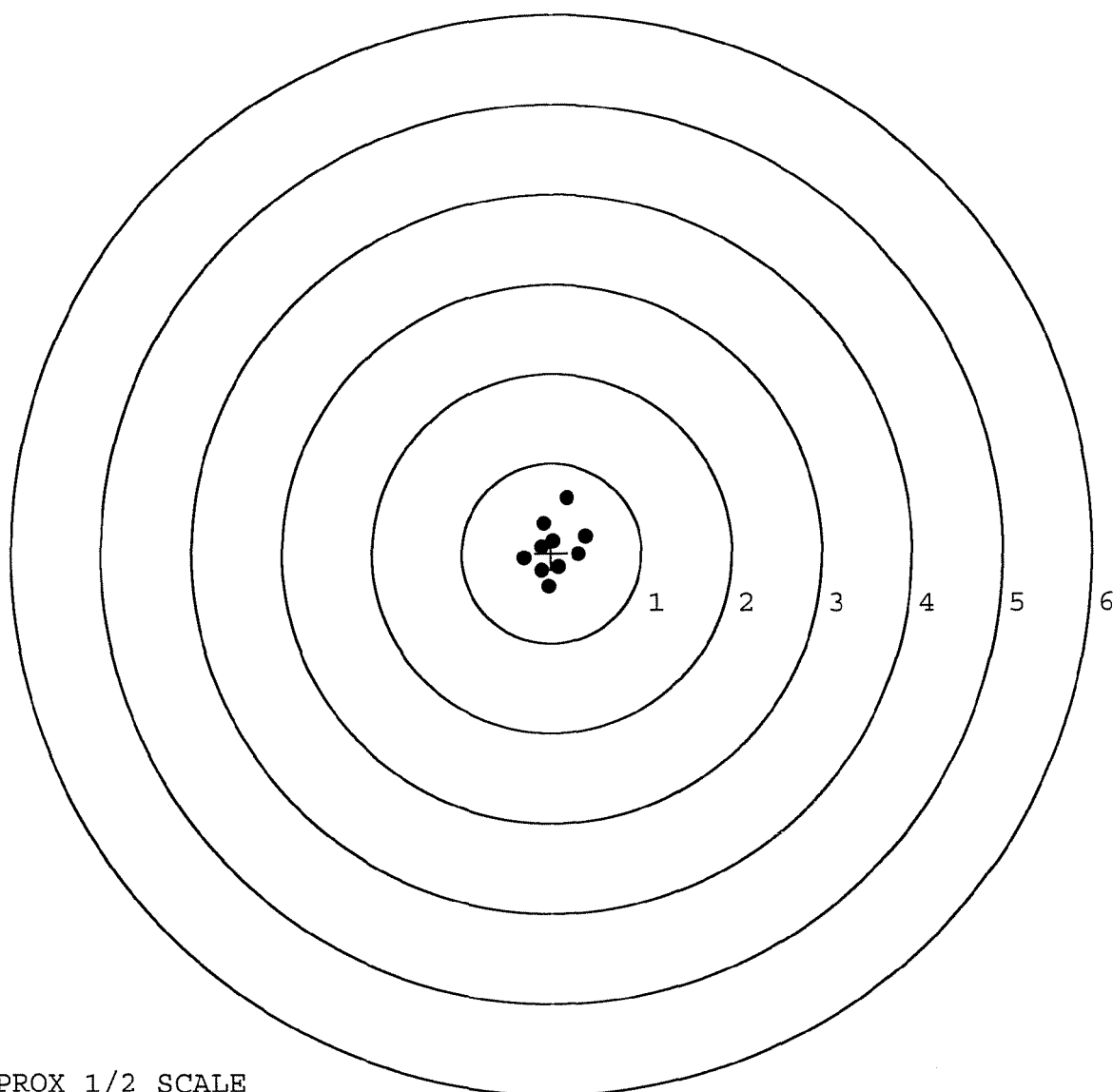


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6645311. __0
TARGET NUMBER: 4
FILE DATE: 06/01/2007
FILE TIME: 15:32

X CENTROID: 0.033
Y CENTROID: 0.053
POA TO CENTROID: 0.063
HORZ SPREAD: 0.682
VERT SPREAD: 0.989
GROUP SPREAD: 1.010
MIN RADIUS: 0.083
MAX RADIUS: 0.575
MEAN RADIUS: 0.306
IN 1 IN DIAMETER: 9
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.176	0.610
2:	-0.089	0.333
3:	0.381	0.188
4:	0.310	-0.013
5:	0.025	0.136
6:	-0.112	0.067
7:	-0.301	-0.059
8:	-0.112	-0.195
9:	0.084	-0.155
10:	-0.028	-0.379

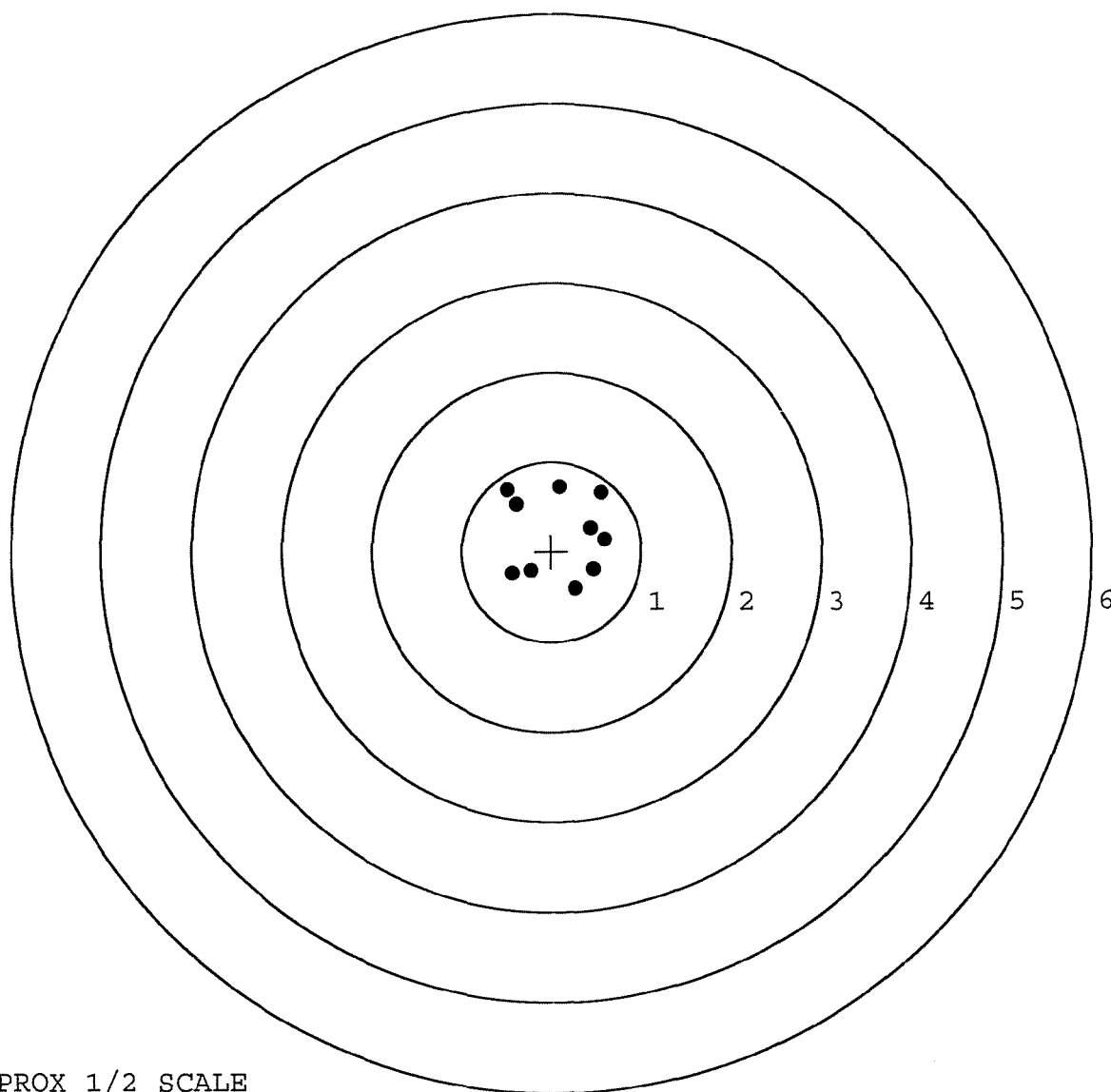


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6645311. __0
TARGET NUMBER: 5
FILE DATE: 06/01/2007
FILE TIME: 15:32

X CENTROID: 0.087
Y CENTROID: 0.191
POA TO CENTROID: 0.210
HORZ SPREAD: 1.081
VERT SPREAD: 1.128
GROUP SPREAD: 1.338
MIN RADIUS: 0.354
MAX RADIUS: 0.762
MEAN RADIUS: 0.577
IN 1 IN DIAMETER: 1
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.435	0.260
2:	0.473	-0.195
3:	0.270	-0.413
4:	-0.439	-0.246
5:	-0.392	0.528
6:	0.098	0.715
7:	0.558	0.655
8:	-0.490	0.688
9:	-0.231	-0.217
10:	0.591	0.135



TARGET APPROX 1/2 SCALE

M-24 INSPECTION CHECKLIST
CONTRACT #: DAAE-20-02-C-0149

R & E NUMBER	<u>129198</u>			
SERIAL NUMBER	<u>EL6703504</u> <u>G6045311 (New)</u>			
LOG-IN DATE	<u>5-10-07</u>			
OPERATION #	OPERATION NAME		DATE	INITIAL
500	DIS-ASSEMBLE GUN		<u>5-14-07</u>	<u>RTZ</u>
505	RE-BARREL		<u>5-18-07</u>	<u>RTZ</u>
560	ASSEMBLE		<u>5-18-07</u>	<u>RTZ</u>
600	PROOF	MAGNA - FLUX	<u>5-18-07</u>	<u>TRW</u>
605	CHECK HEADSPACE	MAY 21 2000	<u>5-18-07</u>	<u>TRW</u>
610	DIS-ASSEMBLE GUN		<u>5-21-07</u>	<u>RTZ</u>
612	MAGNAFLUX	OPERATOR <u>unmas</u>	<u>5/21/07</u>	<u>unmas</u>
510	DRILL AND TAP		<u>5-21-07</u>	<u>TRW</u>
615	ROLLMARK CALIBER		<u>5-21-07</u>	<u>CW</u>
618	ROTO-BLAST		<u>5-22-07</u>	<u>LB</u>
620	APPLY COATINGS		<u>5-24-07</u>	<u>WJ</u>
625	FINAL ASSEMBLY		<u>5-30-07</u>	<u>RTZ</u>
640	FUNCTION TEST AND	<u>PASS</u> FAIL	<u>6-1-07</u>	<u>TRW</u>
650	TARGET	<u>PASS</u> FAIL	<u>6-1-07</u>	<u>TRW</u>
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION	<u>6-1-07</u>	<u>FW</u>
670	FINAL INSPECTION		<u>6-8-07</u>	<u>RTZ</u>
	A) HEADSPACE	<u>PASS</u> FAIL	<u>6-8-07</u>	<u>RTZ</u>
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	<u>283 284 289 289 288</u>	<u>6-4-07</u>
				<u>DA</u>
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS MAX	<u>50 4.5 50</u>	<u>6-4-07</u>
				<u>DA</u>
	G) SAFETY OFF FORCE	2 LBS MIN	<u>25 25 2.5</u>	<u>6-4-07</u>
				<u>DA</u>
	I) FIRING PIN INDENT	.020	<u>.023 .023 .023</u>	<u>6-4-07</u>
				<u>DA</u>
690	PACK		<u>6-21-07</u>	<u>DA</u>

CONTRACT # DAAE20-01-C-0007

GUN SERIAL # E670 3504

OP #	OPERATION NAME	READINGS	DATE	INITIAL
575 & 580	ASSEMBLE ACTION AND STOCK		3/22/01	CK
600	PROOF			
607	CHECK HEADSPACE			
610	DIS-ASSEMBLE GUN			
612	MAGNAFLUX BBL ACTION MAGNAFLUX BOLT			
615	ROLLMARK CALIBER			
617	DRILL AND TAP SIGHT HOLES		3/22/01	DA
618	POLISH BARREL			
620	APPLY COATINGS (BARREL ACTION)			
	(BOLT)			
625	FINAL ASSEMBLY A) CLEAN INSIDE OF BOLT ASSEMBLY		3/23/01	DA
	B) INSPECT REAR FIRING PIN HOLE FOR CHAMFER IN BOLT HEAD			
	C) INSPECT EJECTOR HOLE FOR CHAMFER			
	D) OIL FIRING PIN ASSEMBLY		3/23/01	CK
	E) ADJUST TRIGGER PULL TO MIN. SETTING AND STAKE			

OP #	OPERATION NAME	READINGS			DATE	INITIAL		
625	F) SAFETY ON FORCE	<u>6.9</u>	<u>5.9</u>	<u>5.5</u>	3/29/01	DA		
CONT.	G) SAFETY OFF FORCE	<u>3.9</u>	<u>3.9</u>	<u>3.9</u>	3/29/01	DA		
	H) TRIGGER PULL TEST AND RETAINABILITY							
	I) FIRING PIN INDENT	<u>.021</u>	<u>0.22</u>	<u>,022</u>	3/29/01	DA		
	J) ASSEMBLE STOCK					CK		
	K) ASSEMBLE SWIVEL STUDS							
	L) ATTACH FRONT AND REAR SIGHT ASSY'S							
	M) IRON SIGHT ALIGNMENT							
	N) DETACH FRONT AND REAR SIGHTS AND PLACE IN NUMBERED CONTAINER							
640	GALLERY TEST AND TARGET				3/27	K		
	A) MALFUNCTIONS				3/27	K		
	B) PIERCED PRIMERS				3/27	K		
645	INSPECT FOR LIVE AMMO				3/27	AC		
655	FINAL INSPECTION A) HEADSPACE				3/30/01	FW		
	B) TRIGGER PULL	<u>2.77</u>	<u>2.75</u>	<u>2.69</u>	<u>2.84</u>	<u>2.87</u>	3/31/01	DA
	C) FUNCTION							
660	PACK							

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. E6703504

DATE 12-19-00

TESTER RW

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.59	2.76		2.87	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.75	2.76		2.89	
PULL #3	2.74	2.80		2.63	
PULL #4	2.72	2.80		2.90	
PULL #5	2.73	2.83		2.72	
TOTAL	13.53	13.95		14.01	
AVG.	2.71	2.79		2.80	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.30	3.32		
PULL #2	3.15	3.32		
PULL #3	3.25	3.25		
PULL #4	3.26	3.34		
PULL #5	3.27	3.32		
TOTAL	16.23	16.55		
AVG.	3.25	3.31		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.26	4.13		4.23
PULL #2	4.17	4.07		4.23
PULL #3	4.18	4.10		4.25
PULL #4	4.21	4.12		4.26
PULL #5	4.15	4.08		4.20
TOTAL	20.97	20.50		21.17
AVG.	4.19	4.10		4.23

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # e6703504
28 Mar 2001

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0908
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0668
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .112725

THE AMR FOR THIS RIFLE IS: 1.168

CENTROIDAL DISTANCES

0	TO	1	.146086
1	TO	2	.0902497
1	TO	3	.264008
1	TO	4	.125196
1	TO	5	.306444

5 3
41 <----POA

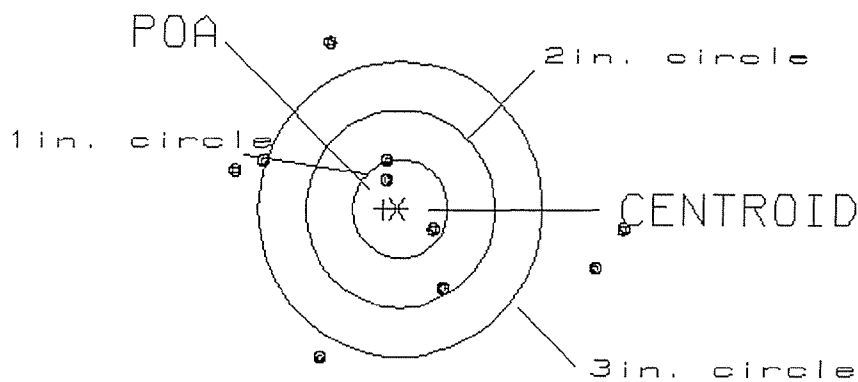
PATTERN #: ☐ 1 ☐

POA TO CENTROID: .146
 MIN RADIUS : .319
 MEAN RADIUS : 1.365
 MAX RADIUS : 2.323
 CENTROID X : .146
 CENTROID Y : .005

28 Mar 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6703504

CENTERFIRE PATTERN # 1



OF SHOTS= 10

IN CIRCLE

HS= 4.05
 VS= 3.22
 GS= 4.10

2
 4
 4

PATTERN #: ☐ 2 ☐

POA TO CENTROID: .061

MIN RADIUS : .471

MEAN RADIUS : 1.148

MAX RADIUS : 2.074

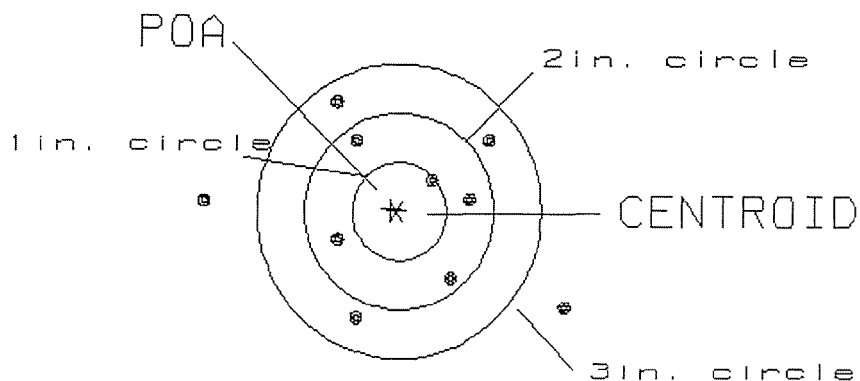
CENTROID X : .059

CENTROID Y : -.019

28 Mar 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6703504

CENTERFIRE PATTERN # 2



OF SHOTS= 10

IN CIRCLE

HS= 3.81

1

VS= 2.26

5

GS= 3.97

8

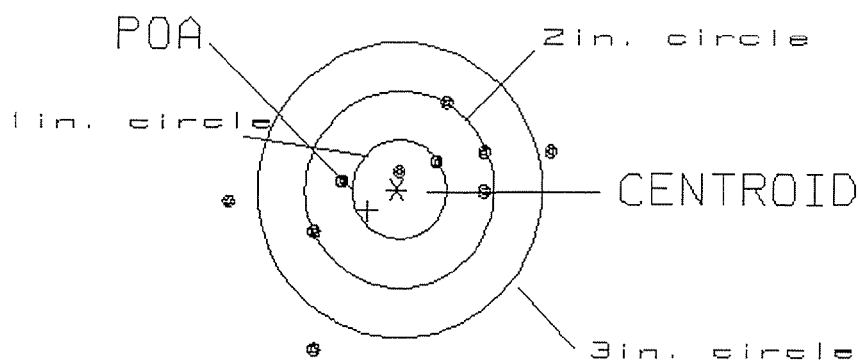
PATTERN #: ☐ 3 ☐

POA TO CENTROID: .374
 MIN RADIUS : .149
 MEAN RADIUS : 1.047
 MAX RADIUS : 1.893
 CENTROID X : .306
 CENTROID Y : .215

28 Mar 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6703504

CENTERFIRE PATTERN # 3



OF SHOTS= 10

IN CIRCLE

HS= 3.40

2

VS= 2.59

6

GS= 3.44

7

REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

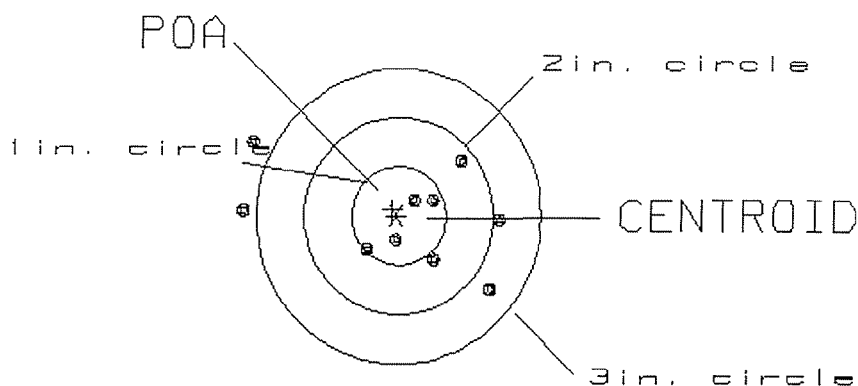
PATTERN #: ☐ 4 ☐

POA TO CENTROID: .071
 MIN RADIUS : .225
 MEAN RADIUS : .843
 MAX RADIUS : 1.688
 CENTROID X : .039
 CENTROID Y : -.060

28 Mar 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6703504

CENTERFIRE PATTERN # 4



OF SHOTS= 10

IN CIRCLE

HS= 2.76

4

VS= 1.47

6

GS= 2.88

8

REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: ☐ 5 ☐

POA TO CENTROID: .215

MIN RADIUS : .418

MEAN RADIUS : 1.439

MAX RADIUS : 2.458

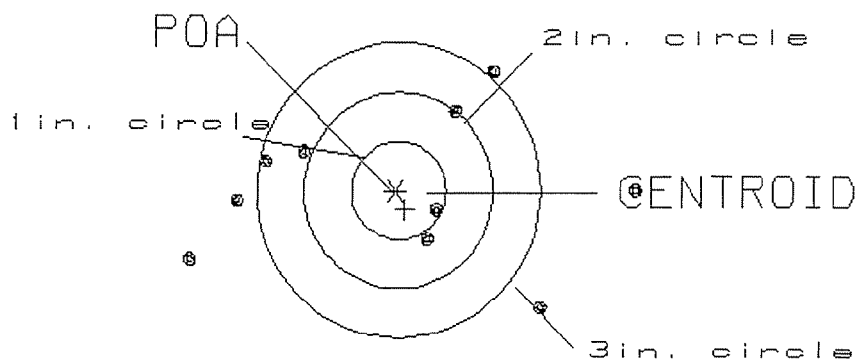
CENTROID X : -.096

CENTROID Y : .193

28 Mar 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6703504

CENTERFIRE PATTERN # 5



OF SHOTS= 10

IN CIRCLE

HS= 4.65

1

VS= 2.36

3

GS= 4.70

5