

6686 3586
replaces
E 670 3416

08/28/09 08:29:00

BARBER M24 0093217
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: RE00173920

Serial: E6703416 Model M24 SWS Center Fire
Caliber: 7.62 NATO Produced: 04/11/2001

Repairman:

Status:

Closed 8/27/2009 2:35:15 PM

Address Information

Customer:

Received From

Return To:

Received From

Name: FB4497 TMO 436 APS/TRT

FB4497 TMO 436 APS/TRT

Address 1: 505 ATLANTIC ST BLDG 550

505 ATLANTIC ST BLDG 550

Address 2: PO Box:

PO Box:

City: DOVER AFB

DOVER AFB

State: DE Zip Code: 19902

Country: US

State: DE Zip Code: 19902

Country: US

FFL:

Contact / Condition

Problems

Estimate

History / Status

Shipping / Billing

Contact Information

Phone: NN

Fax:

Email:

Comments:

Received Condition

Fair

Condition

Notes:

CSR

Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	3
A010	Hard Case	1
A017	Scope Base	1
A057	Fit and Rear Sgt Base	1

Repair Search

Refresh

Close

Refresh

Close

Repair

nagletj

8/28/2009

8:28 AM

CAPS

NUM

INS

SCRL

start

9 Microsoft Office ...

2 Internet Explorer

4 Microsoft Office ...

Arms Services Repair...

Part Search by Mate...

8:28 AM

G6863586

Serial Number: E6703416

Model: M24 SWS



RE00173920

INSPECTION CHECKLIST - REPAIRS

CONTRACT #: W52H09-07-C-0207

ISSUED 10/1/2007

R & E NUMBER

173920

SERIAL NUMBER

E6203416

66863586

LOG-IN DATE

8-27-09

OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	9-2-09	RTZ
505	RE-BARREL	9-2-09	RTZ
420	ASSEMBLE	9-2-09	RTZ
440	PROOF	9-4-09	RTZ
460	CHECK HEADSPACE	9-4-09	RTZ
470	DIS-ASSEMBLE GUN	9-4-09	RTZ
480	MAGNAFLUX	9-10-09	RTZ
510	DRILL AND TAP	9-4-09	RTZ
500	ROLLMARK CALIBER	9-10-09	SPD
520	GOFF BLAST BBL / REC	9-10	JWS
530 & 540	APPLY COATINGS	9-16	
560	FINAL ASSEMBLY	9-22-09	RTZ
640	FUNCTION TEST AND	(PASS) FAIL	9-22-09 RP
650	TARGET	(PASS) FAIL	9-22-09 RP
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION		9-22-09 SPD
	A) HEADSPACE	(PASS) FAIL	9-24-09 TC
			9-24-09 TC
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	2.59 2.60 2.52 2.68 2.60 9-24-09 TC
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS MAX	5.0 5.0 5.0 9-24-09 TC
	G) SAFETY OFF FORCE	2 LBS MIN	3.0 3.0 3.0 9-24-09 TC
	I) FIRING PIN INDENT	.020	.023 .023 .023 9-24-09 TC
690	PACK		9-24-09 FM

F006 REV 1/2009

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: G6863586.___0
FILE DATE AND TIME: 09/23/2009 08:16

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.046
The Average Y Centroid of the Five Target Set:	0.042
The Average Point of Impact of the Five Target Set:	0.062
The Average Mean Radius of the Five Target Set:	0.679
The Distance from POA to Centroid Target #1:	0.057
The Distance from Centroid Target #2 to Centroid Target #1:	0.068
The Distance from Centroid Target #3 to Centroid Target #1:	0.182
The Distance from Centroid Target #4 to Centroid Target #1:	0.103
The Distance from Centroid Target #5 to Centroid Target #1:	0.181

BARBER - M24 0093220

SERIAL NUMBER: G6863586. __0

TARGET NUMBER: 1

FILE DATE: 09/23/2009

FILE TIME: 08:16

POINT#	X	Y
1:	0.529	0.468
2:	0.682	0.410
3:	0.447	-0.961
4:	0.829	-0.945
5:	-0.040	-0.079
6:	-0.212	0.263
7:	-0.527	0.248
8:	-0.614	-0.028
9:	-0.450	0.112
10:	-0.234	0.116

X CENTROID: 0.041

Y CENTROID: -0.040

POA TO CENTROID: 0.057

HORZ SPREAD: 1.443

VERT SPREAD: 1.429

GROUP SPREAD: 1.806

MIN RADIUS: 0.090

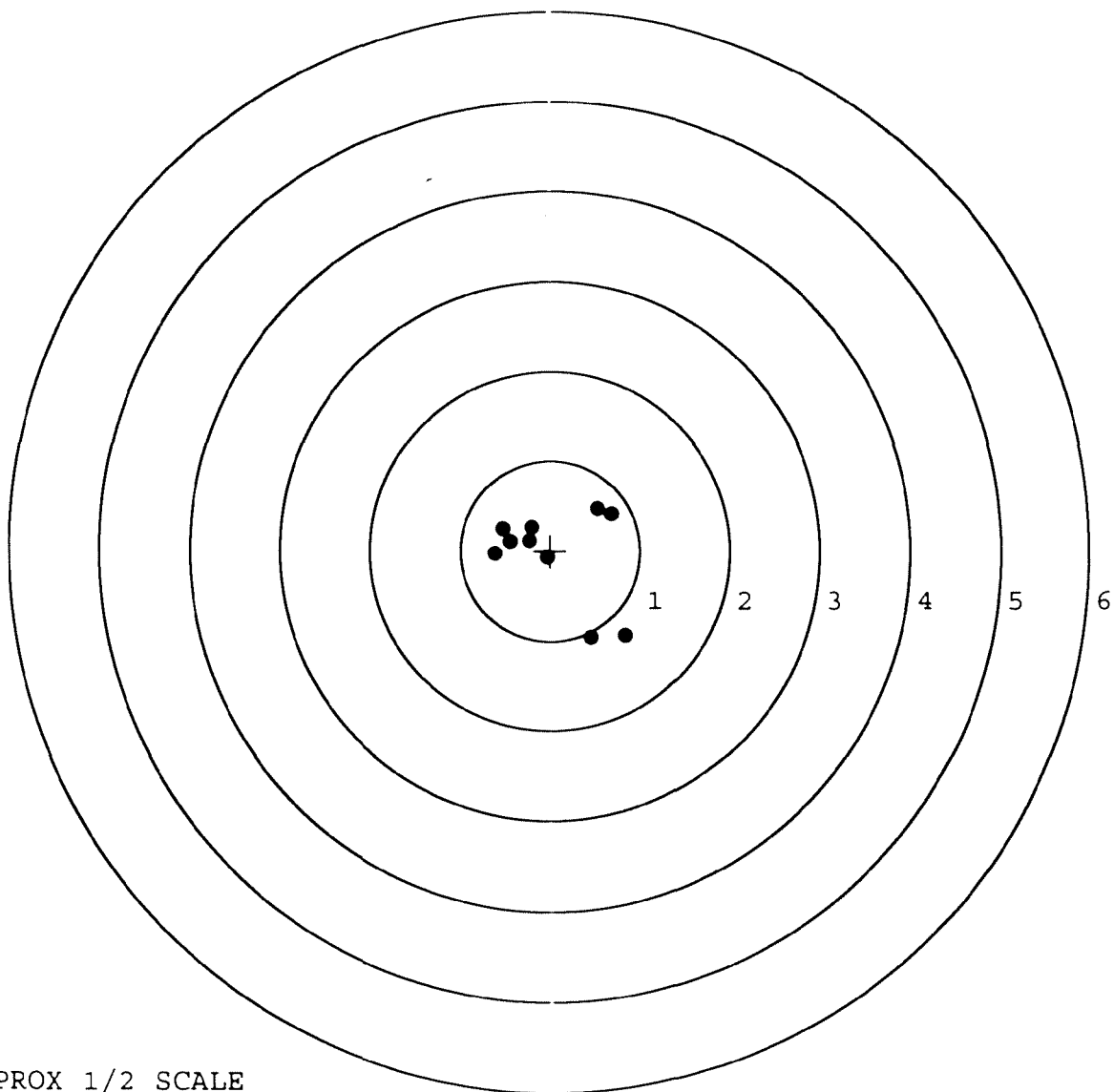
MAX RADIUS: 1.200

MEAN RADIUS: 0.630

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10



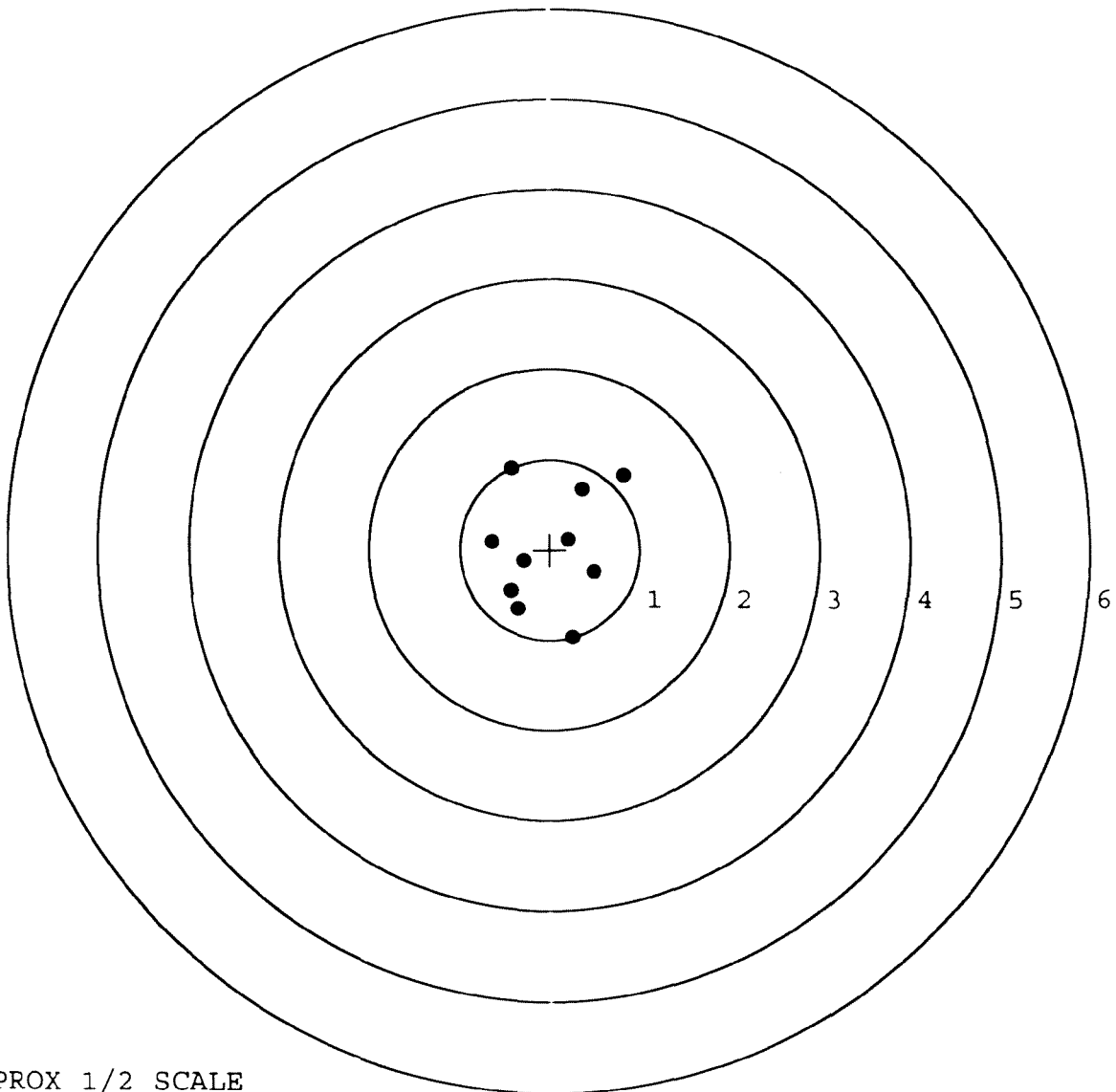
TARGET APPROX 1/2 SCALE

BARBER - M24 0093221

SERIAL NUMBER: G6863586. __0
TARGET NUMBER: 2
FILE DATE: 09/23/2009
FILE TIME: 08:16

X CENTROID: -0.002
Y CENTROID: 0.013
POA TO CENTROID: 0.013
HORZ SPREAD: 1.464
VERT SPREAD: 1.881
GROUP SPREAD: 1.897
MIN RADIUS: 0.228
MAX RADIUS: 1.158
MEAN RADIUS: 0.707
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.823	0.825
2:	-0.422	0.902
3:	0.366	0.667
4:	0.201	0.117
5:	0.490	-0.249
6:	0.254	-0.979
7:	-0.358	-0.659
8:	-0.436	-0.460
9:	-0.297	-0.124
10:	-0.641	0.087



TARGET APPROX 1/2 SCALE

BARBER - M24 0093222

SERIAL NUMBER: G6863586. __0

TARGET NUMBER: 3

FILE DATE: 09/23/2009

FILE TIME: 08:16

POINT#	X	Y
1:	0.708	-0.935
2:	0.235	-0.625
3:	0.668	-0.370
4:	-0.060	-0.439
5:	-0.310	1.080
6:	-0.405	0.473
7:	0.663	0.682
8:	0.275	0.608
9:	0.083	0.231
10:	-0.113	0.139

X CENTROID: 0.174

Y CENTROID: 0.084

POA TO CENTROID: 0.194

HORZ SPREAD: 1.113

VERT SPREAD: 2.015

GROUP SPREAD: 2.258

MIN RADIUS: 0.173

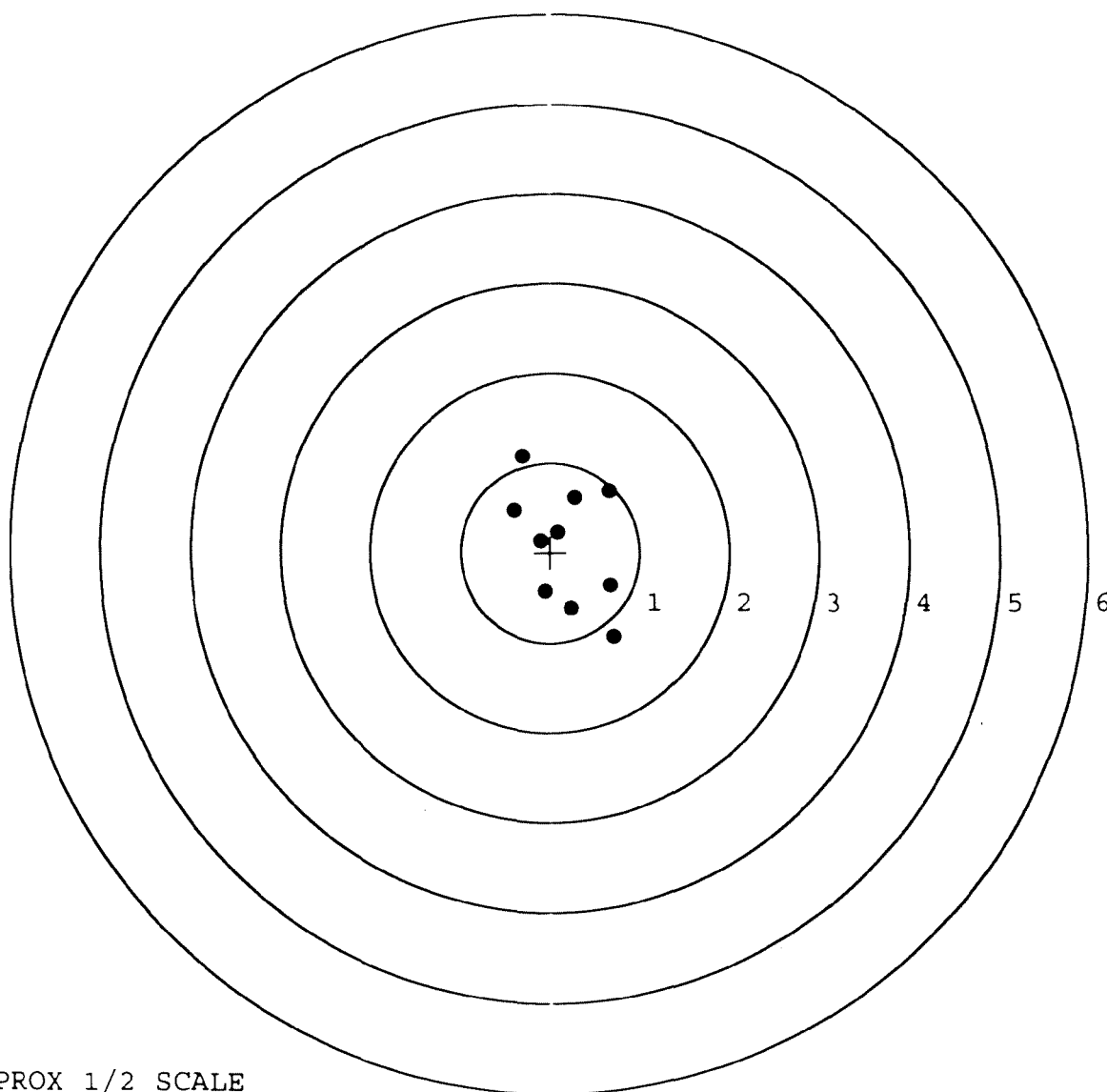
MAX RADIUS: 1.151

MEAN RADIUS: 0.668

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

BARBER - M24 0093223

SERIAL NUMBER: G6863586. __0

TARGET NUMBER: 4

FILE DATE: 09/23/2009

FILE TIME: 08:16

POINT#	X	Y
1:	-0.727	-0.476
2:	-0.295	-0.947
3:	0.450	-0.930
4:	0.031	-0.138
5:	-0.257	0.162
6:	0.461	0.030
7:	0.166	0.240
8:	0.245	0.668
9:	-0.230	0.582
10:	-0.318	0.942

X CENTROID: -0.047

Y CENTROID: 0.013

POA TO CENTROID: 0.049

HORZ SPREAD: 1.188

VERT SPREAD: 1.889

GROUP SPREAD: 2.023

MIN RADIUS: 0.170

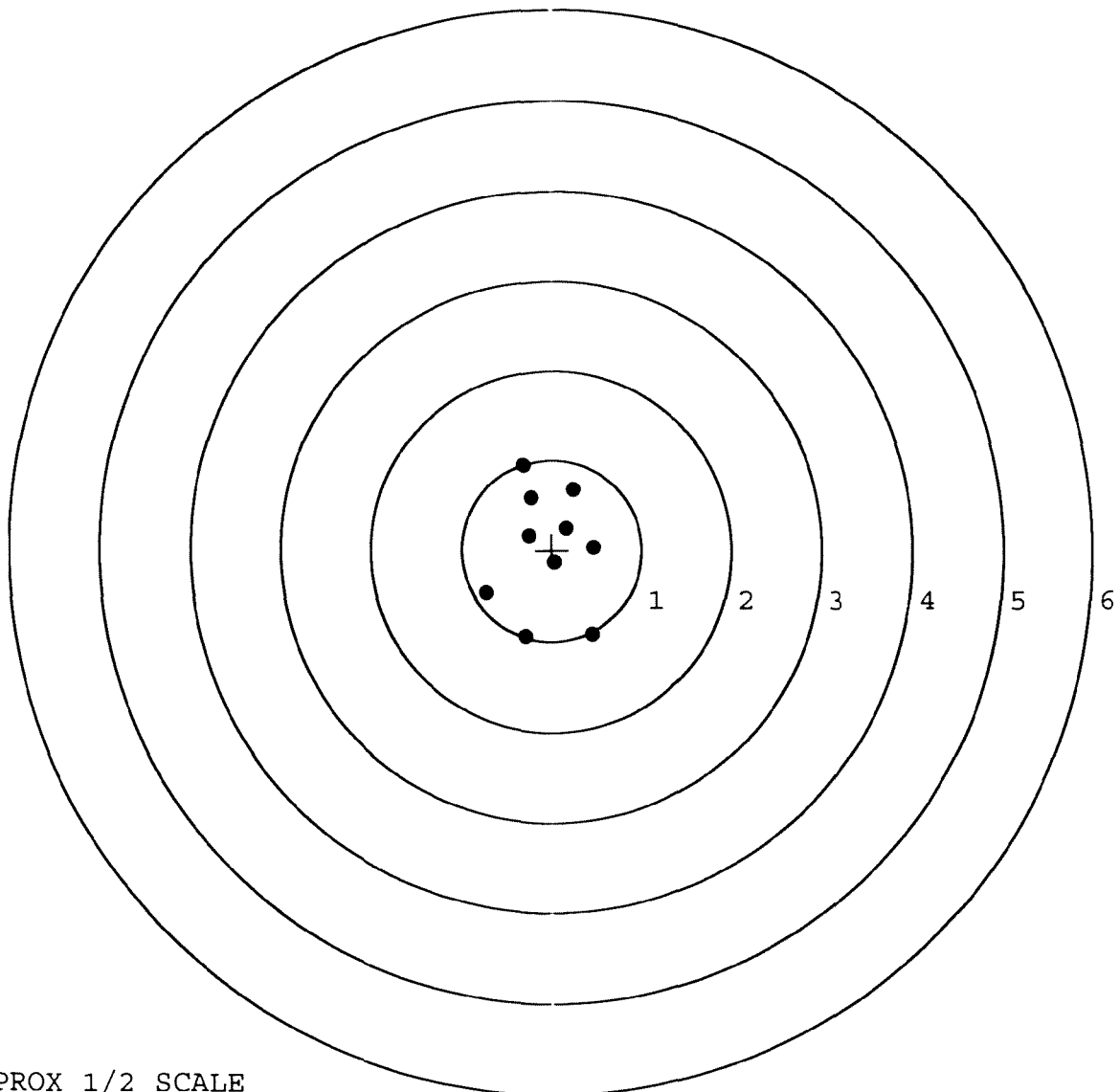
MAX RADIUS: 1.066

MEAN RADIUS: 0.642

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



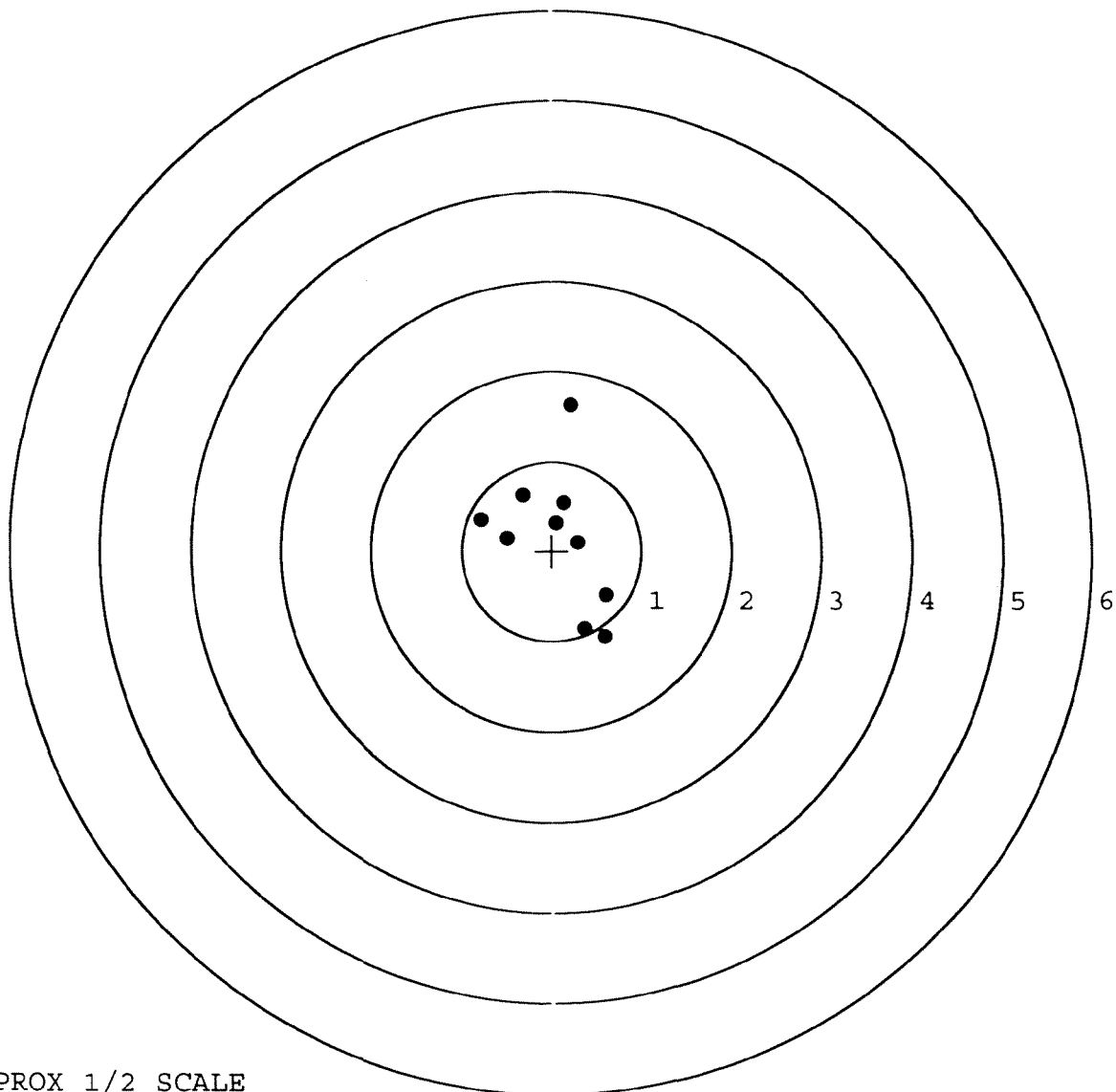
TARGET APPROX 1/2 SCALE

BARBER - M24 0093224

SERIAL NUMBER: G6863586. __0
TARGET NUMBER: 5
FILE DATE: 09/23/2009
FILE TIME: 08:16

POINT#	X	Y
1:	0.362	-0.870
2:	0.590	-0.957
3:	0.602	-0.495
4:	-0.783	0.360
5:	-0.497	0.151
6:	0.291	0.099
7:	0.050	0.315
8:	0.136	0.542
9:	-0.325	0.631
10:	0.209	1.623

X CENTROID: 0.063
Y CENTROID: 0.140
POA TO CENTROID: 0.154
HORZ SPREAD: 1.385
VERT SPREAD: 2.580
GROUP SPREAD: 2.608
MIN RADIUS: 0.176
MAX RADIUS: 1.490
MEAN RADIUS: 0.747
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

ORDER 25716
MODEL 700TH M24
UPC



ORDER 25716
MODEL 700TH M24
UPC



SERIAL NO.



E6703416

Remington®		VERY IMPORTANT: Instruction Book enclosed to assure safe use of this firearm.	
MODEL 700™ M24 BOLT ACTION CENTERFIRE RIFLE 24" BARREL 7.62 NATO		SERIAL NO. J E6703416	
Made in Ilion, NY Reg. U.S. Pat & tm. Off. Marca Registrada Marque Deposee.		46 ORDER NO. 25716	
 5716 E6703416		11CV	

MODEL 700TH M24
BOLT ACTION CENTERFIRE RIFLE
24" BARREL 7.62 NATO

DOCUMENT ENVELOPE ASSEMBLY:

- INSTRUCTION BOOK
- PRODUCT OWNER'S CARD
- SAFETY BOOKLET

46 FORM 1444

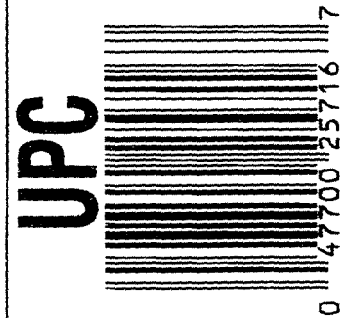


ORDER NO. 25716

BARREL LENGTH 24"

CAPACITY 6

E6703416



CONTRACT # DAAE20-01-C-0007

GUN SERIAL # E6703416

OP #	OPERATION NAME	READINGS	DATE	INITIAL
575 & 580	ASSEMBLE ACTION AND STOCK		4/3/01	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		3/24/01	DA
618	POLISH BARREL			
620	APPLY COATINGS (BARREL ACTION)			
	(BOLT)			
625	FINAL ASSEMBLY A) CLEAN INSIDE OF BOLT ASSEMBLY		3/25/01	DA
	B) INSPECT REAR FIRING PIN HOLE FOR CHAMFER IN BOLT HEAD		"	"
	C) INSPECT EJECTOR HOLE FOR CHAMFER		"	"
	D) OIL FIRING PIN ASSEMBLY		4/4/01	CK
	E) ADJUST TRIGGER PULL TO MIN. SETTING AND STAKE		"	"

OP #	OPERATION	READINGS	DATE	INITIAL
625	F) SAFETY ON FORCE	<u>8.0</u> <u>7.0</u> <u>7.0</u>	4/5/01	DA
CONT.	G) SAFETY OFF FORCE	<u>3.0</u> <u>3.5</u> <u>3.0</u>	"	"
	H) TRIGGER PULL TEST AND RETAINABILITY			
	I) FIRING PIN INDENT	<u>.022</u> <u>.023</u> <u>.023</u>	4/5/01	DA
	J) ASSEMBLE STOCK		4-3-01	CLC
	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		4-4-01	PLH
	A) MALFUNCTIONS	opens and. Rough Chamber	4-4-01	PLH
	B) PIERCED PRIMERS		4-4-01	PLH
645	INSPECT FOR LIVE AMMO		4-4-01	PLH
655	FINAL INSPECTION A) HEADSPACE		4-4-01	RW
	B) TRIGGER PULL	<u>2.78</u> <u>2.75</u> <u>2.76</u> <u>2.66</u> <u>2.75</u>	4/5/01	DA
	C) FUNCTION			
660	PACK		4/6/01	DA

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. E6703416DATE 3/01TESTER RW

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.24	2.61		2.45	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.27	2.27		2.46	
PULL #3	2.37	2.19		2.46	
PULL #4	2.49	2.24		2.50	
PULL #5	2.47	2.09		2.51	
TOTAL	11.84	11.40		12.38	
AVG.	2.37	2.28		2.48	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.41	3.43		
PULL #2	3.35	3.53		
PULL #3	3.43	3.52		
PULL #4	3.47	3.41		
PULL #5	3.39	3.41		
TOTAL	17.05	17.30		
AVG.	3.41	3.46		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.01	4.35		4.59
PULL #2	4.16	4.42		4.58
PULL #3	4.25	4.34		4.55
PULL #4	4.41	4.31		4.41
PULL #5	4.42	4.33		4.55
TOTAL	21.25	21.75		22.68
AVG.	4.25	4.35		4.54

BARBER - M24 0093231

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # E6703416
5 Apr 2001

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: $-.0484$
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: $.058$
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: $.0755418$

THE AMR FOR THIS RIFLE IS: $.9156$

CENTROIDAL DISTANCES

0	TO	1	.0300666
1	TO	2	.300222
1	TO	3	.070859
1	TO	4	.146813
1	TO	5	.185801

$\begin{matrix} 25 & 4 \\ +3 \end{matrix}$ <----POA

BARBER - M24 0093232

REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

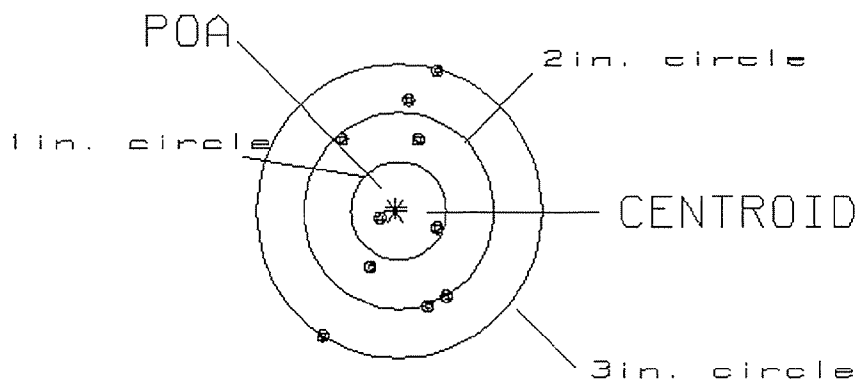
PATTERN #: ☐ 1 ☐

POA TO CENTROID: .030
MIN RADIUS : .169
MEAN RADIUS : .904
MAX RADIUS : 1.474
CENTROID X : -.002
CENTROID Y : -.030

5 Apr 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/E6703416

CENTERFIRE PATTERN # 1



OF SHOTS= 10

IN CIRCLE

HS= 1.21

2

VS= 2.69

6

GS= 2.91

10

BARBER - M24 0093233

REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: ☐ 2 ☐

POA TO CENTROID: .284

MIN RADIUS : .427

MEAN RADIUS : .852

MAX RADIUS : 2.008

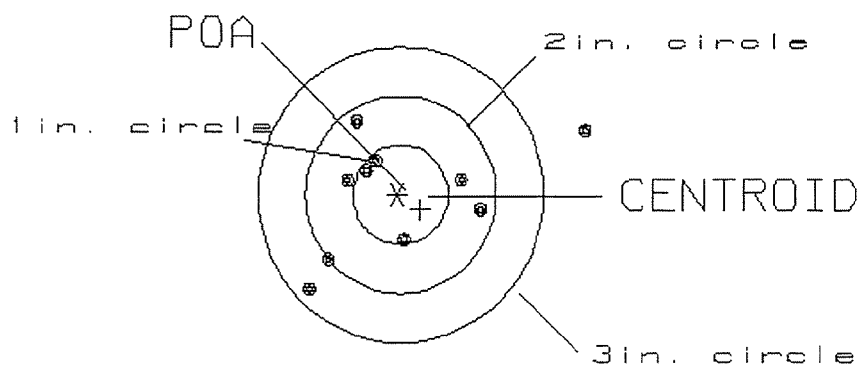
CENTROID X : -.240

CENTROID Y : .153

5 Apr 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/E6703416

CENTERFIRE PATTERN # 2



OF SHOTS= 10

IN CIRCLE

HS= 2.90

3

VS= 1.64

7

GS= 3.29

9

BARBER - M24 0093234

REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: ☐ 3 ☐

POA TO CENTROID: .071

MIN RADIUS : .090

MEAN RADIUS : .772

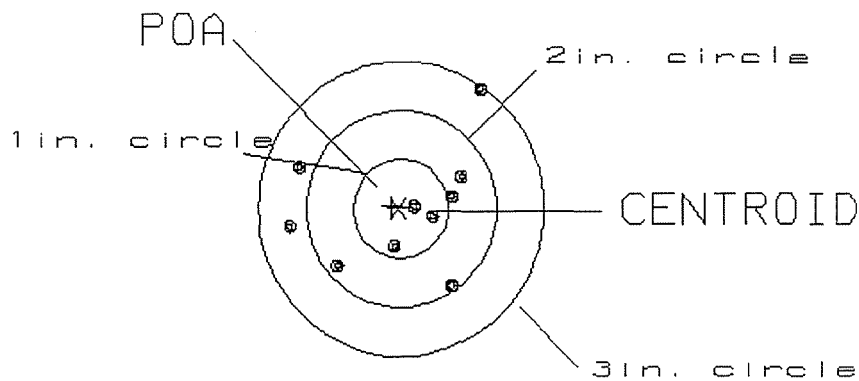
MAX RADIUS : 1.437

CENTROID X : .068

CENTROID Y : -.019

5 Apr 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/E6703416

CENTERFIRE PATTERN # 3

OF SHOTS= 10

IN CIRCLE

HS= 2.00

3

VS= 1.97

7

GS= 2.45

10

BARBER - M24 0093235

REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

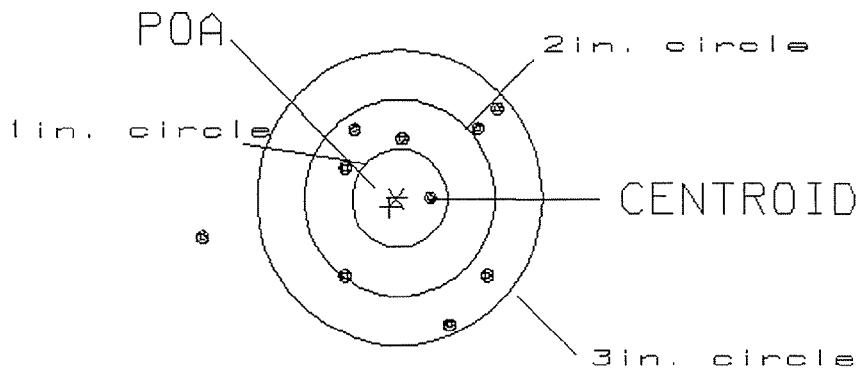
PATTERN #: ☐ 4 ☐

POA TO CENTROID: .121
MIN RADIUS : .328
MEAN RADIUS : 1.056
MAX RADIUS : 2.096
CENTROID X : .075
CENTROID Y : .095

5 Apr 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/E6703416

CENTERFIRE PATTERN # 4



OF SHOTS= 10

IN CIRCLE

HS= 3.13

1

VS= 2.14

5

GS= 3.37

9

BARBER - M24 0093236

REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

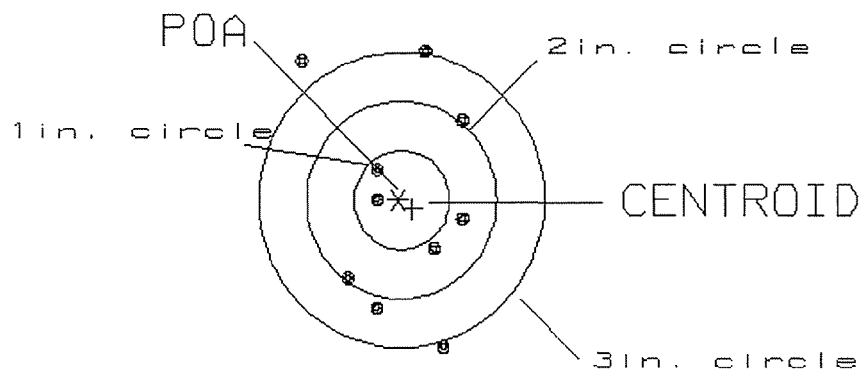
PATTERN #: ☐ 5 ☐

POA TO CENTROID: .170
MIN RADIUS : .271
MEAN RADIUS : .994
MAX RADIUS : 1.716
CENTROID X : -.143
CENTROID Y : .091

5 Apr 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/E6703416

CENTERFIRE PATTERN # 5



OF SHOTS= 10

IN CIRCLE

HS= 1.69

2

VS= 3.01

5

GS= 3.24

7