

E64/3555

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: RE00147686

Serial: E6413535 Model M24 SWS Center Fire
Caliber: 7.62 NATO

Repairman:

Status: Closed 7/17/2008 6:22:05 AM

Verify Repair

Address Information

Customer:

Received From

Return To:

Received From

Name: PBO 1/75 RANGER REGIMENT

PBO 1/75 RANGER REGIMENT

Address 1: ATTN: WO1 CURTIS B MATHIS

ATTN: WO1 CURTIS B MATHIS

Address 2: 1036 LIBERATOR RD

PO Box:

1036 LIBERATOR RD

PO Box:

City: HUNTER AAF

HUNTER AAF

State: GA

Zip Code: 31409

Country: US

State: GA

Zip Code: 31409

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
A057	Fit and Rear Sgt Base	1
D000	MARS RAIL	1

Repair Search

Refresh

Close

naglej

7/17/2008

8:10 AM

DAPS

NUM

INS

SCRL



Reset

E6413555 RTL
~~E6413535~~

Model: M24 SWS



RE00147686

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

R & E NUMBER 147686SERIAL NUMBER E6413555LOG-IN DATE 7-17-08

OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	9-29-08	RTZ
505	RE-BARREL	9-30-08	RTZ
560	ASSEMBLE	9-30-08	RTZ
600	PROOF	10-2-08	X.P.D.
605	CHECK HEADSPACE	10-2-08	X.P.D.
610	DIS-ASSEMBLE GUN	10-2-08	X.P.D.
612	MAGNAFLUX	10-6-08	SE
510	DRILL AND TAP	10/8/08	(H)
615	ROLLMARK CALIBER	10/9/08	RT
618	ROTO-BLAST		
620	APPLY COATINGS	10-11	✓
625	FINAL ASSEMBLY	10-13-08	RTZ
640	FUNCTION TEST AND	10-15-08	TC
650	TARGET	10-14-08	X.D.
	MALFUNCTION <u>Doc</u>	CORRECTION	10-15-08 TC
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	10-14-08 TC
670	FINAL INSPECTION	10-21-08	X.D.
	A) HEADSPACE	PASS	10-21-08 X.D.
	B) TRIGGER PULL	2.80 2.84 2.80 2.81 2.74	10-17-08 TC
680	F) SAFETY ON FORCE	4.0 4.0 3.0	10-21-08 X.D.
	G) SAFETY OFF FORCE	5.0 5.0 5.0	10-21-08 X.D.
	I) FIRING PIN INDENT	.021 .021 .021	10-21-08 X.D.
690	PACK		10/21/08 Fz

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: E6413555.____0

FILE DATE AND TIME: 10/15/2008 06:34

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

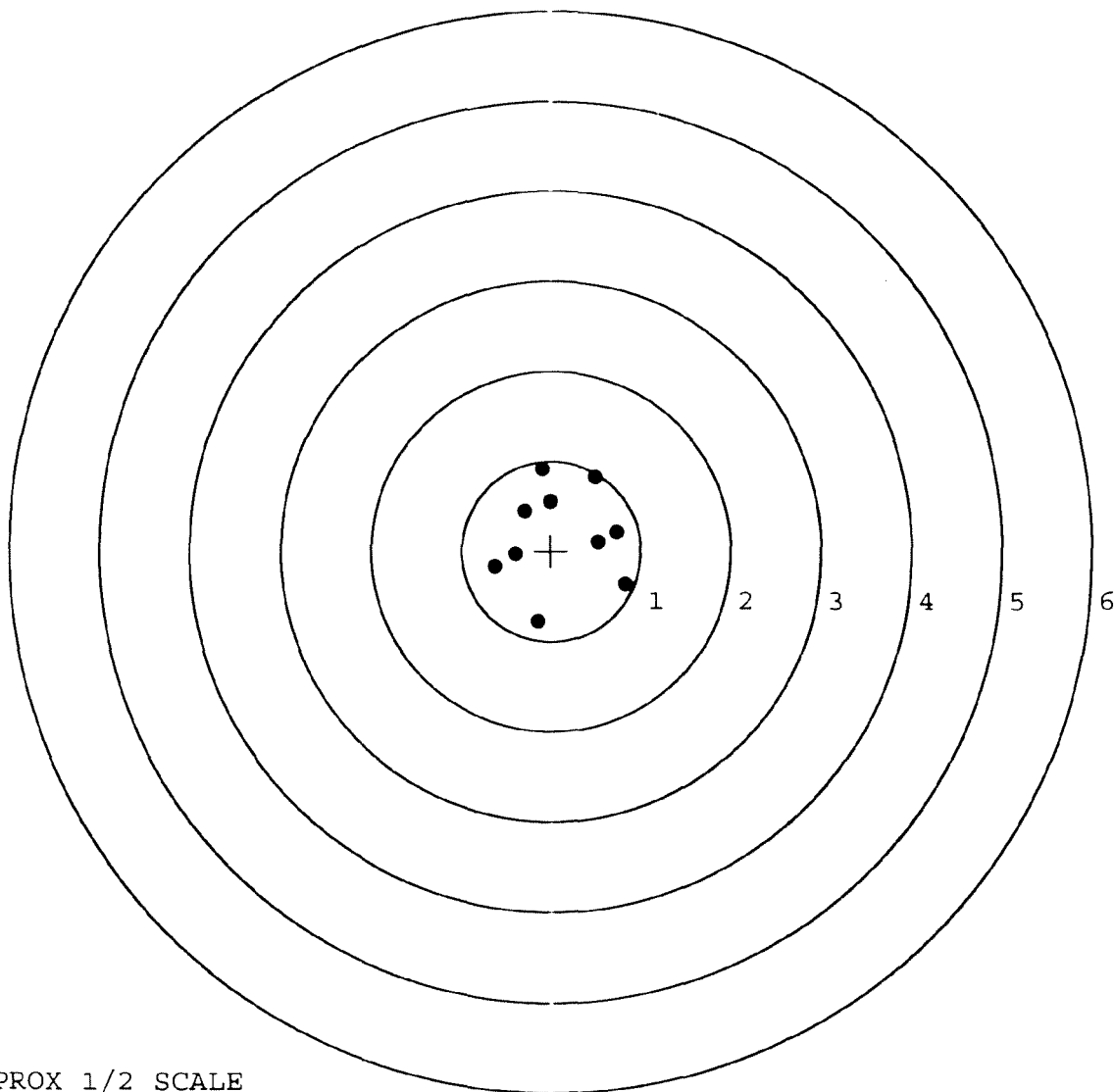
The Average X Centroid of the Five Target Set:	-0.099
The Average Y Centroid of the Five Target Set:	-0.012
The Average Point of Impact of the Five Target Set:	0.100
The Average Mean Radius of the Five Target Set:	0.649
The Distance from POA to Centroid Target #1:	0.196
The Distance from Centroid Target #2 to Centroid Target #1:	0.654
The Distance from Centroid Target #3 to Centroid Target #1:	0.371
The Distance from Centroid Target #4 to Centroid Target #1:	0.430
The Distance from Centroid Target #5 to Centroid Target #1:	0.389

BARBER - M24 0120529

SERIAL NUMBER: E6413555. __0
 TARGET NUMBER: 1
 FILE DATE: 10/15/2008
 FILE TIME: 06:34

POINT#	X	Y
1:	-0.147	-0.783
2:	0.833	-0.370
3:	0.730	0.209
4:	0.522	0.106
5:	-0.397	-0.036
6:	-0.633	-0.179
7:	-0.298	0.444
8:	-0.009	0.553
9:	-0.095	0.910
10:	0.499	0.823

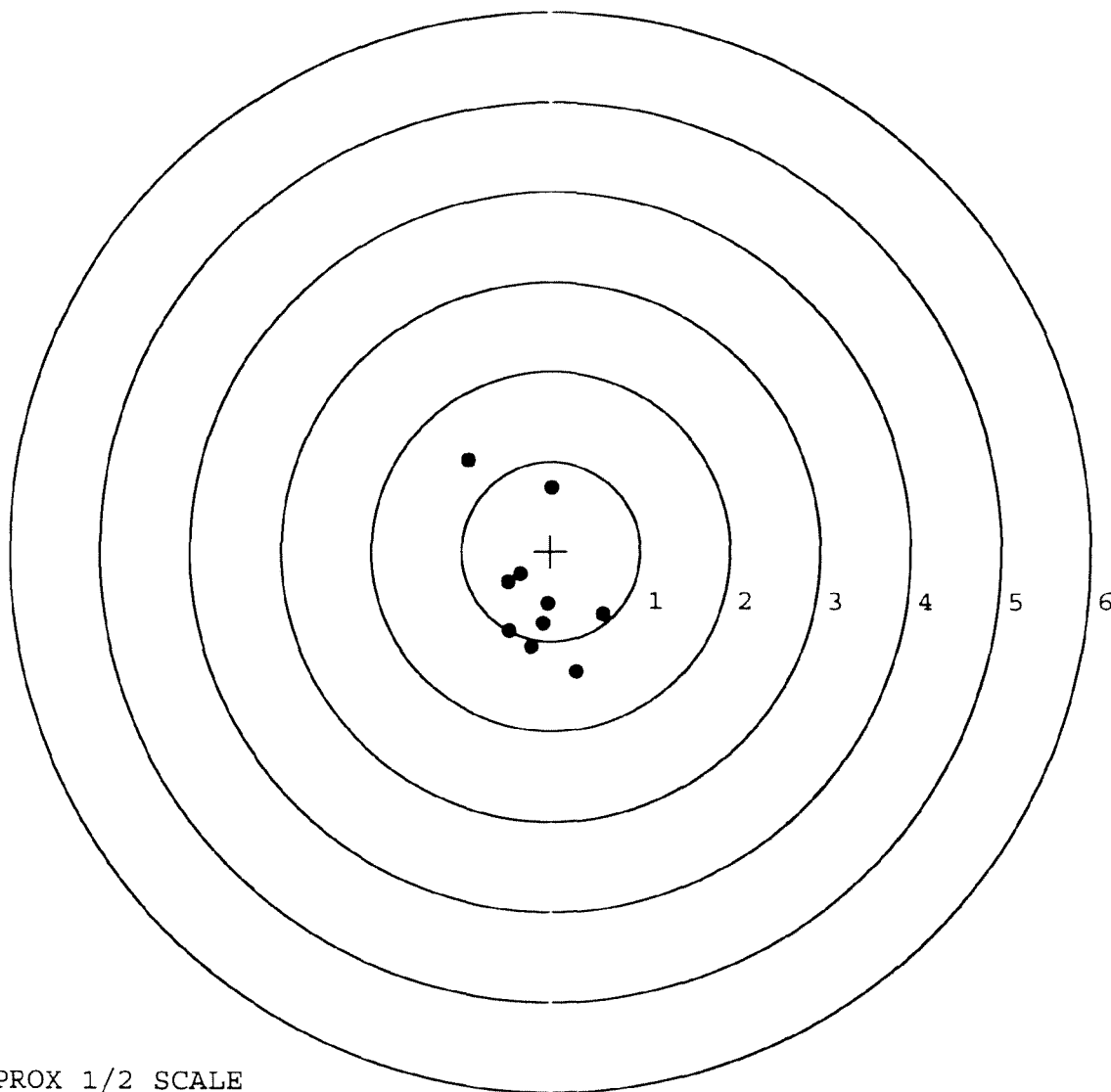
X CENTROID: 0.101
 Y CENTROID: 0.168
 POA TO CENTROID: 0.196
 HORZ SPREAD: 1.466
 VERT SPREAD: 1.693
 GROUP SPREAD: 1.731
 MIN RADIUS: 0.401
 MAX RADIUS: 0.982
 MEAN RADIUS: 0.672
 # IN 1 IN DIAMETER: 3
 # IN 2 IN DIAMETER: 10
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

BARBER - M24 0120530

SERIAL NUMBER: E6413555. __0	POINT#	X	Y
TARGET NUMBER: 2	1:	-0.926	1.018
FILE DATE: 10/15/2008	2:	0.015	0.709
FILE TIME: 06:34	3:	-0.345	-0.258
	4:	-0.479	-0.342
X CENTROID: -0.169	5:	-0.038	-0.591
Y CENTROID: -0.428	6:	-0.092	-0.810
POA TO CENTROID: 0.460	7:	-0.224	-1.068
HORZ SPREAD: 1.509	8:	-0.469	-0.887
VERT SPREAD: 2.363	9:	0.288	-1.345
GROUP SPREAD: 2.657	10:	0.583	-0.704
MIN RADIUS: 0.209			
MAX RADIUS: 1.632			
MEAN RADIUS: 0.697			
# IN 1 IN DIAMETER: 4			
# IN 2 IN DIAMETER: 7			
# in 3 IN DIAMETER: 9			



TARGET APPROX 1/2 SCALE

BARBER - M24 0120531

SERIAL NUMBER: E6413555. __0

TARGET NUMBER: 3

FILE DATE: 10/15/2008

FILE TIME: 06:34

POINT#	X	Y
1:	0.693	0.265
2:	0.112	1.074
3:	-0.021	0.715
4:	-0.156	0.642
5:	-0.268	0.606
6:	-0.351	0.391
7:	-0.574	0.039
8:	-0.889	-0.007
9:	-0.746	-0.527
10:	-0.407	-0.676

X CENTROID: -0.261

Y CENTROID: 0.252

POA TO CENTROID: 0.363

HORZ SPREAD: 1.582

VERT SPREAD: 1.750

GROUP SPREAD: 1.643

MIN RADIUS: 0.166

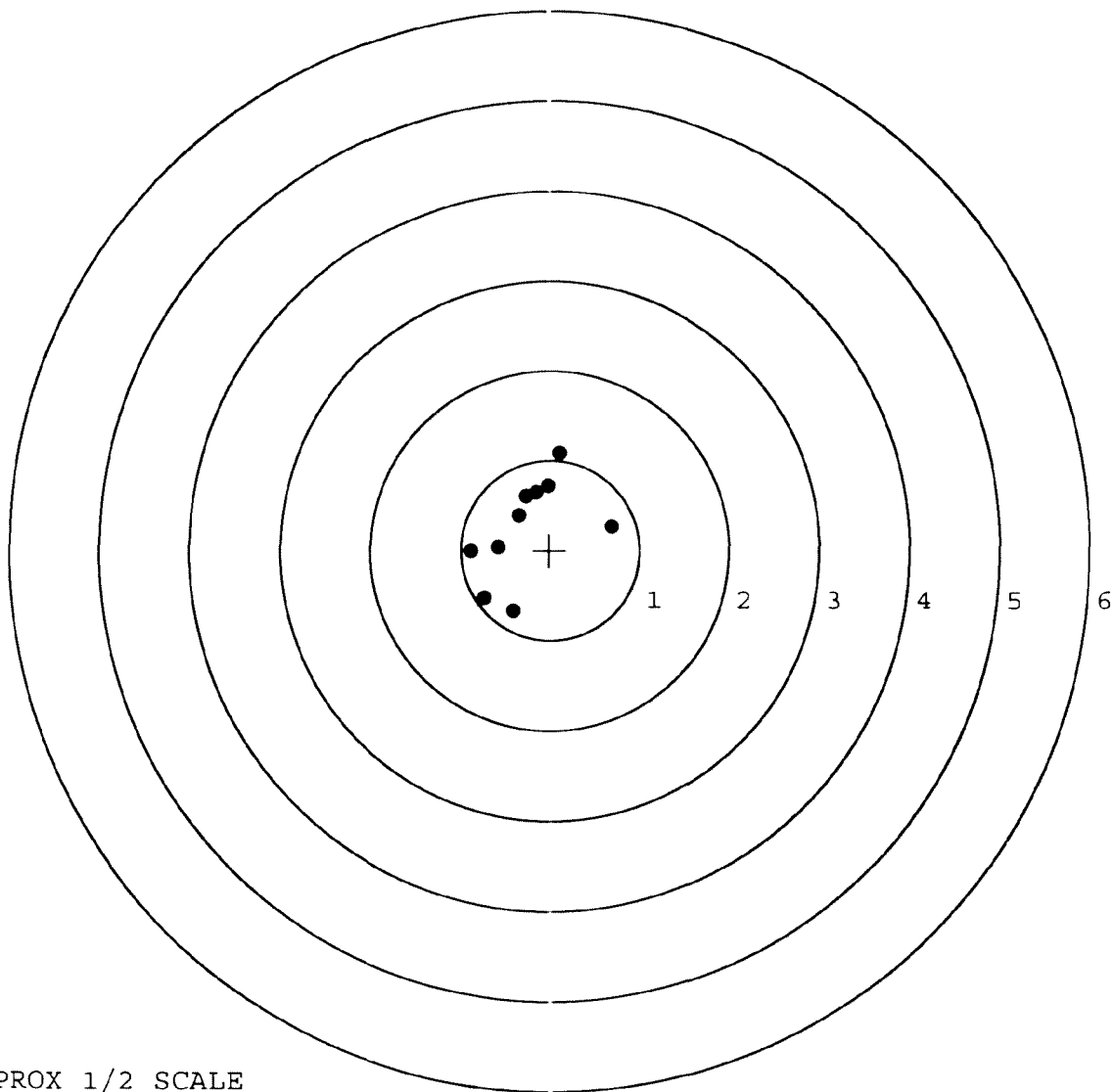
MAX RADIUS: 0.954

MEAN RADIUS: 0.622

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 10

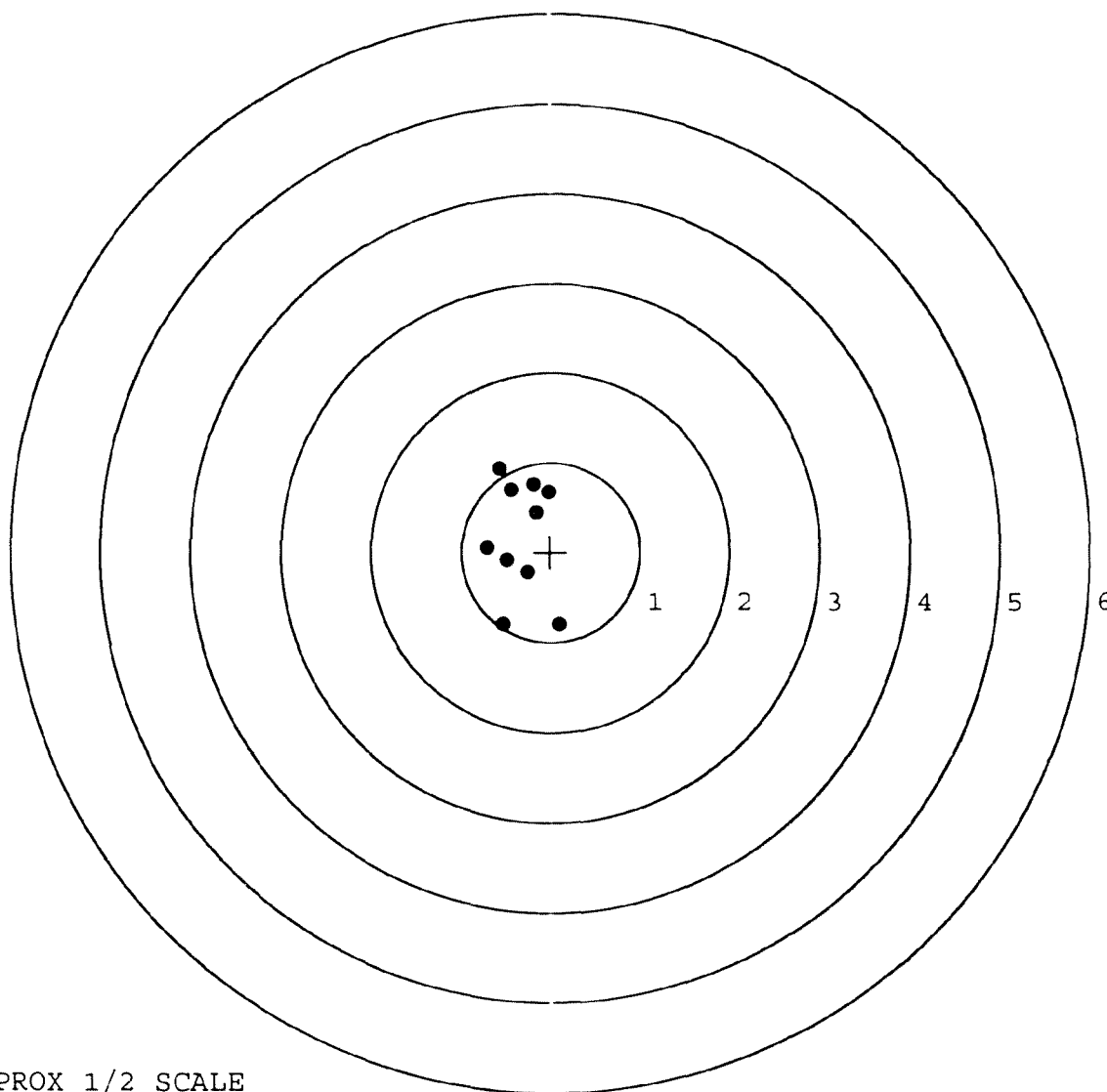
in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

BARBER - M24 0120532

SERIAL NUMBER: E6413555. __0	POINT#	X	Y
TARGET NUMBER: 4	1:	0.097	-0.807
FILE DATE: 10/15/2008	2:	-0.536	-0.800
FILE TIME: 06:34	3:	-0.255	-0.232
	4:	-0.492	-0.093
X CENTROID: -0.329	5:	-0.710	0.059
Y CENTROID: 0.163	6:	-0.164	0.441
POA TO CENTROID: 0.367	7:	-0.020	0.671
HORZ SPREAD: 0.807	8:	-0.193	0.759
VERT SPREAD: 1.747	9:	-0.444	0.696
GROUP SPREAD: 1.871	10:	-0.573	0.940
MIN RADIUS: 0.304			
MAX RADIUS: 1.060			
MEAN RADIUS: 0.603			
# IN 1 IN DIAMETER: 4			
# IN 2 IN DIAMETER: 9			
# in 3 IN DIAMETER: 10			



TARGET APPROX 1/2 SCALE

BARBER - M24 0120533

SERIAL NUMBER: E6413555. __0

TARGET NUMBER: 5

FILE DATE: 10/15/2008

FILE TIME: 06:34

POINT#	X	Y
1:	0.717	-0.777
2:	-0.170	-0.971
3:	-0.438	-0.629
4:	-0.272	-0.631
5:	-0.112	-0.641
6:	0.357	-0.237
7:	0.637	0.153
8:	0.083	0.430
9:	0.336	0.468
10:	0.471	0.667

X CENTROID: 0.161

Y CENTROID: -0.217

POA TO CENTROID: 0.270

HORZ SPREAD: 1.155

VERT SPREAD: 1.638

GROUP SPREAD: 1.759

MIN RADIUS: 0.197

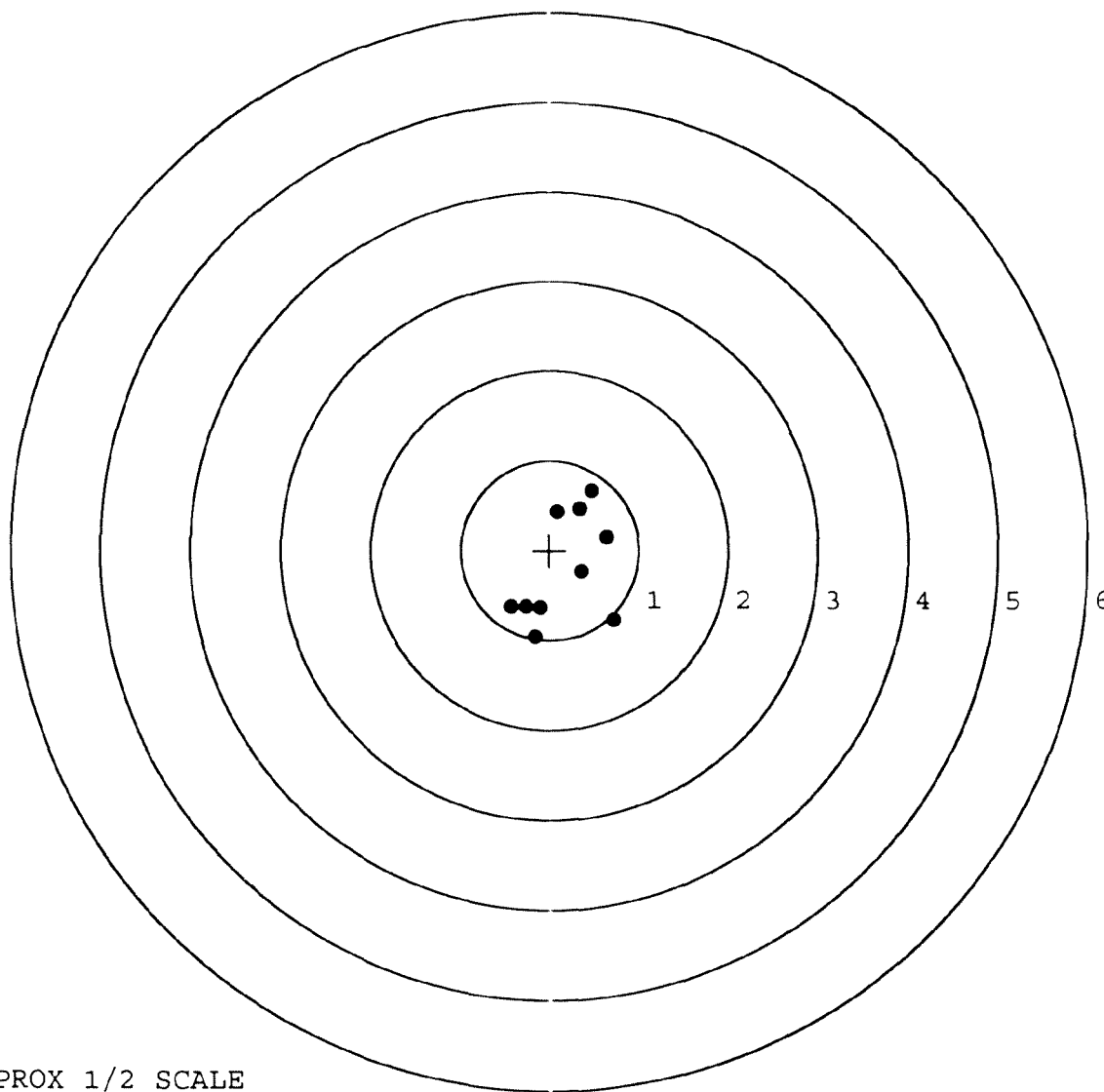
MAX RADIUS: 0.937

MEAN RADIUS: 0.654

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

C6225307

Model: 700



RE00015707

96001-BBL Assy
Complete

96005 - Bit Assy

E6413555

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

R & E NUMBER		15707	
SERIAL NUMBER		E6413555	
LOG-IN DATE		10-13-00	
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	10-17-00	CK
560 A	RE-BARREL AT CUSTOM SHOP		
B	DRILL AND TAP		
C	POLISH		
575	ASSEMBLE		
600	PROOF	10-20-00	CK
605	CHECK HEADSPACE	10-20-00	CK
610	DIS-ASSEMBLE GUN		
612	MAGNAFLUX		
615	ROLLMARK CALIBER		
618	ROTO-BLAST		
620	APPLY COATINGS		
625 A	FINAL ASSEMBLY		
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	11-14-00	CK
655	FINAL INSPECT	11-21-00	CK
660	PACK		
		SHIP DATE	
QAR INSPECTION DATE			

Final Inspection

S.N. E6413555

DATE REC'D: 10-13-00

DATE RET'D:

AUDITOR: CK

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:

BARBER - M24 0120537

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # e6413555
22 Nov 2000

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.1392
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0484
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .147374

THE AMR FOR THIS RIFLE IS: .9816

CENTROIDAL DISTANCES

Ø TO	1	.201326
1 TO	2	.519317
1 TO	3	.10632
1 TO	4	.125196
1 TO	5	.359694

2
5 4 <----POA
31

BARBER - M24 0120538

REMINGTON CENTERFIRE ACCURACY TEST

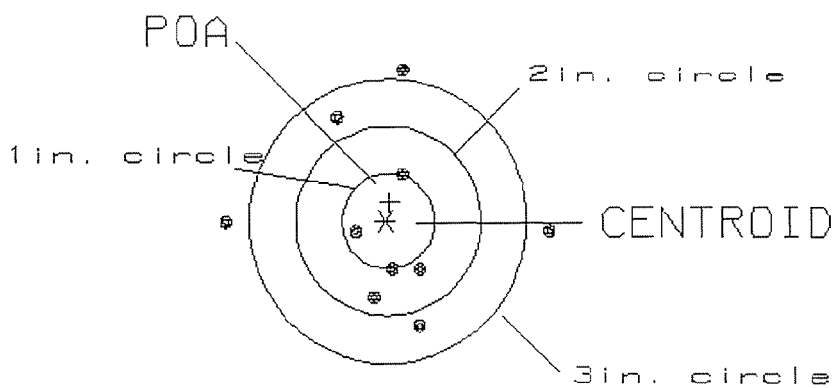
REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: ☐ 1 ☐
 POA TO CENTROID: .201
 MIN RADIUS : .402
 MEAN RADIUS : 1.028
 MAX RADIUS : 1.756
 CENTROID X : -.046
 CENTROID Y : -.196

22 Nov 2000

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6413555

CENTERFIRE PATTERN # 1



OF SHOTS= 10

IN CIRCLE

HS= 3.47

2

VS= 2.61

5

GS= 3.47

7

BARBER - M24 0120539

REMINGTON CENTERFIRE ACCURACY TEST

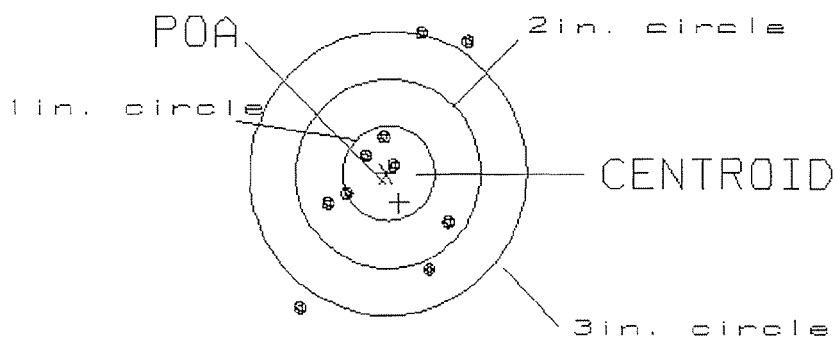
REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: 2
 POA TO CENTROID: .346
 MIN RADIUS : .110
 MEAN RADIUS : .884
 MAX RADIUS : 1.706
 CENTROID X : -.149
 CENTROID Y : .313

22 Nov 2000

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6413555

CENTERFIRE PATTERN # 2



OF SHOTS= 10

IN CIRCLE

HS= 1.85

3

VS= 2.87

6

GS= 3.35

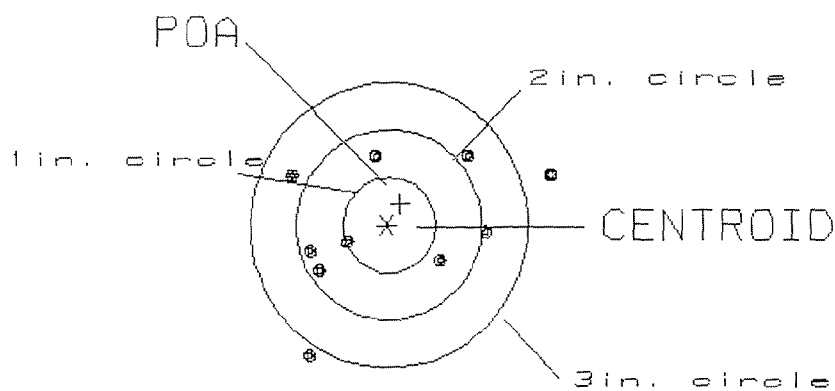
8

PATTERN #: 3
 POA TO CENTROID: .270
 MIN RADIUS : .458
 MEAN RADIUS : 1.049
 MAX RADIUS : 1.857
 CENTROID X : -.148
 CENTROID Y : -.226

22 Nov 2000

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6413555

CENTERFIRE PATTERN # 3



OF SHOTS= 10

IN CIRCLE

HS= 2.87

1

VS= 2.17

5

GS= 3.26

8

BARBER - M24 0120541

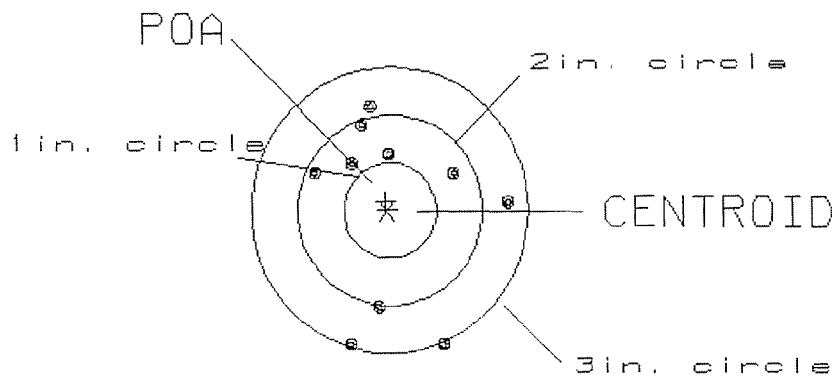
REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: ☐ 4 ☐
POA TO CENTROID: .091
MIN RADIUS : .559
MEAN RADIUS : 1.025
MAX RADIUS : 1.546
CENTROID X : .019
CENTROID Y : -.089

22 Nov 2000

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6413555

CENTERFIRE PATTERN # 4

OF SHOTS= 10

IN CIRCLE

HS= 2.11

0

VS= 2.52

5

GS= 2.64

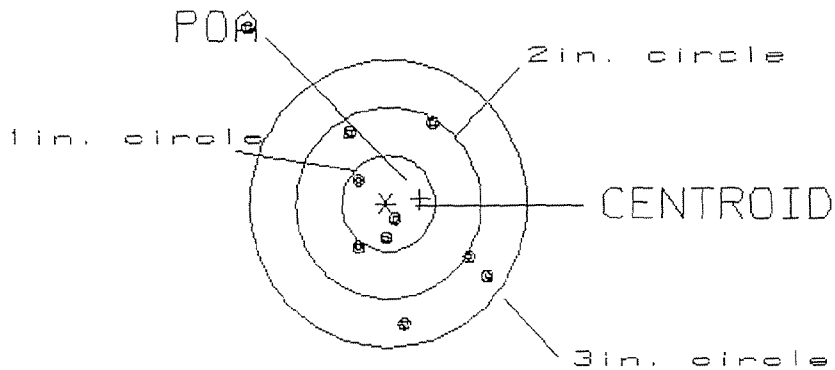
9

PATTERN #: ☐ 5 ☐
 POA TO CENTROID: .375
 MIN RADIUS : .169
 MEAN RADIUS : .922
 MAX RADIUS : 2.371
 CENTROID X : -.372
 CENTROID Y : -.044

22 Nov 2000

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6413555

CENTERFIRE PATTERN # 5



OF SHOTS= 10

IN CIRCLE

HS= 2.54

3

US= 3.09

6

GS= 3.64

9

BARBER - M24 0120543

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # c6225307
20 Nov 2000

E6413555

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.258
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1018
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .277358

THE AMR FOR THIS RIFLE IS: 1.85

CENTROIDAL DISTANCES

Ø TO	1	.531417
1 TO	2	.984324
1 TO	3	.583563
1 TO	4	.77938
1 TO	5	.207087

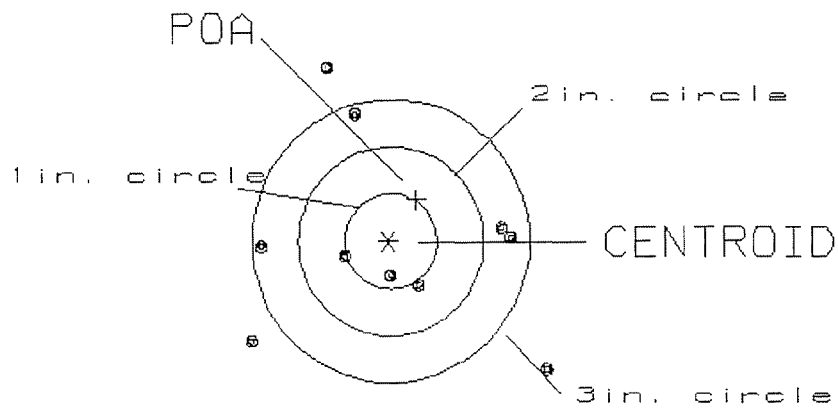
4
3 + ←----POA
5
1

PATTERN #: 1
 POA TO CENTROID: .531
 MIN RADIUS : .365
 MEAN RADIUS : 1.264
 MAX RADIUS : 2.179
 CENTROID X : -.298
 CENTROID Y : -.440

20 Nov 2000

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225307

CENTERFIRE PATTERN # 1



OF SHOTS= 10

IN CIRCLE

HS= 3.20
 VS= 3.16
 GS= 3.99

1
 3
 7

BARBER - M24 0120545

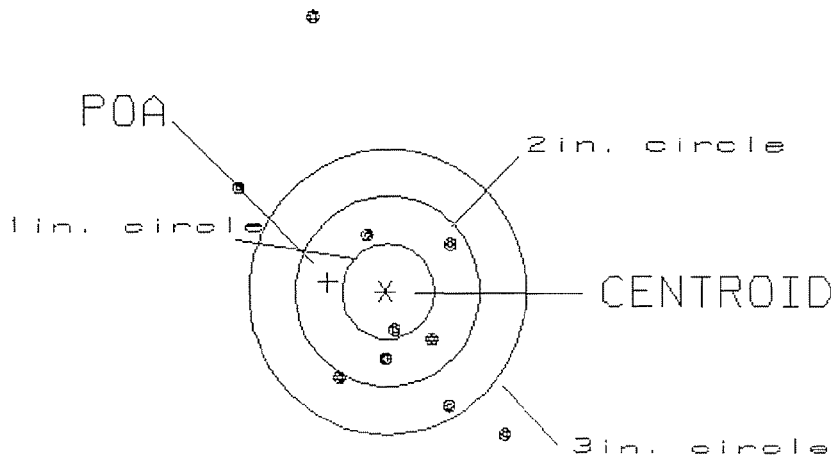
REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: L 2 U
POA TO CENTROID: .633
MIN RADIUS : .376
MEAN RADIUS : 1.263
MAX RADIUS : 3.046
CENTROID X : .625
CENTROID Y : -.098

20 Nov 2000

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225307

CENTERFIRE PATTERN # 2

OF SHOTS= 10

IN CIRCLE

HS= 2.86

1

VS= 4.44

6

GS= 4.91

7

BARBER - M24 0120546

REMINGTON CENTERFIRE ACCURACY TEST

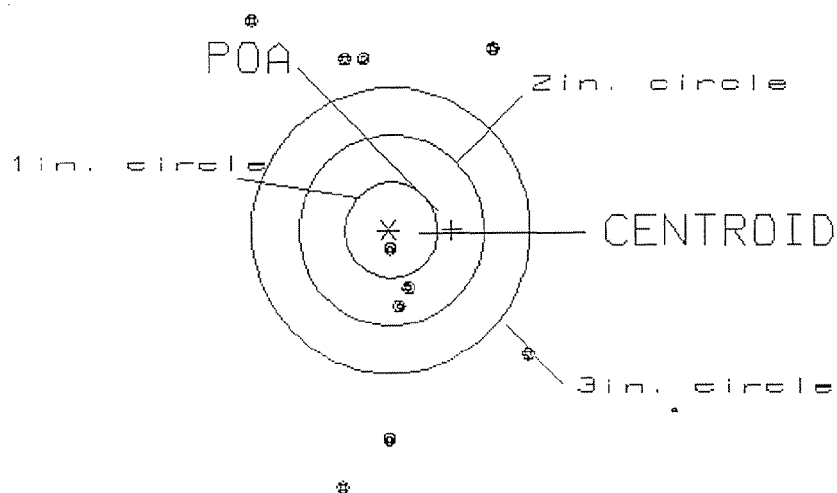
REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: 3
 POA TO CENTROID: .687
 MIN RADIUS : .229
 MEAN RADIUS : 1.713
 MAX RADIUS : 2.735
 CENTROID X : -.687
 CENTROID Y : -.005

20 Nov 2000

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225307

CENTERFIRE PATTERN # 3



OF SHOTS= 10

IN CIRCLE

HS= 2.94

1

VS= 4.91

3

GS= 5.00

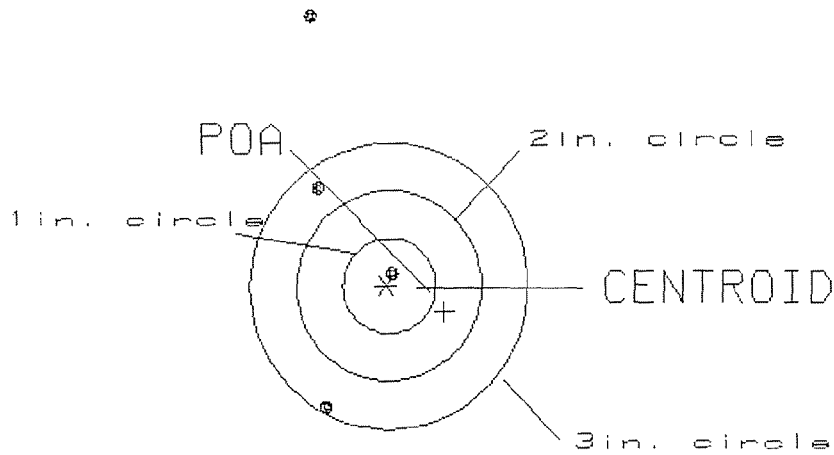
3

PATTERN #: 4
 POA TO CENTROID: .680
 MIN RADIUS : .186
 MEAN RADIUS : 2.866
 MAX RADIUS : 5.878
 CENTROID X : -.626
 CENTROID Y : .267

20 Nov 2000

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225307

CENTERFIRE PATTERN # 4



OF SHOTS= 10

IN CIRCLE

HS= 2.09

1

VS= 10.07

1

GS= 10.07

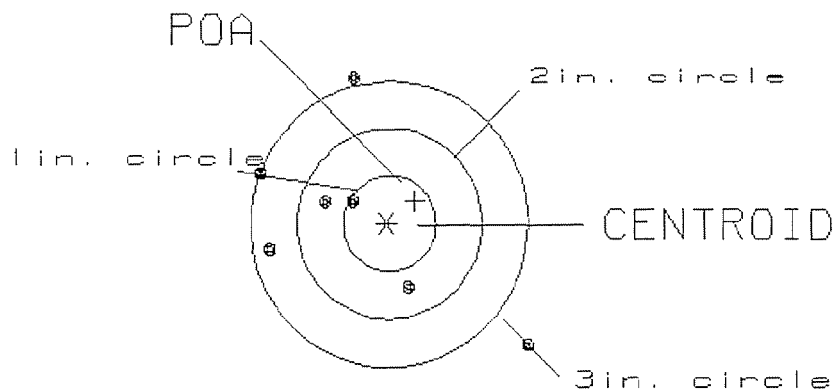
3

PATTERN #: ☐ 5 ☐
 POA TO CENTROID: .383
 MIN RADIUS : .481
 MEAN RADIUS : 2.146
 MAX RADIUS : 6.254
 CENTROID X : -.304
 CENTROID Y : -.233

20 Nov 2000

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225307

CENTERFIRE PATTERN # 5



OF SHOTS= 10

IN CIRCLE

HS= 3.33
 VS= 9.85
 GS= 9.86

1
 3
 5