

G 6300 542
Replace
C. 622,5480

Repair Inquiry

Repair Number: RE00165127

Serial: G6300542 Model: M24 SWS Center Fire
Caliber: 7.62 NATO

Repairman:

Status:

Closed 3/25/2009 5:32:32 AM

Verify Repair

Address Information

Customer:

Received From

Return To:

Received From

Name: JSD ARMSROOM

JSD ARMSROOM

Address 1: 8TH DESERT STORM

8TH DESERT STORM

Address 2: BLDG 5210 BAY DOOR #30

PO Box:

BLDG 5210 BAY DOOR #30

PO Box:

City: FORT CAMPBELL

FORT CAMPBELL

State: KY

Zip Code: 42223

Country: US

State: KY

Zip Code: 42223

Country: US

FFL:

Contact / Condition

Problems

Estimate

History / Status

Shipping / Billing

Contact Information

Phone: NN

Fax:

Email:

Comments:

Received Condition

Poor

Condition Notes:

CSR Notes:

Accessories Received

Code	Desc	Qty
A026	Scope	1
D000	HARD CASE	1

Received

Received
Received

Refresh

Close

Repair Search

Refresh

Close

nagletj

3/25/2009

8:48 AM

CAPS

NUM

INS

SCRL

start

14 Micro...

7 Micro...

My Excite...

Arms Servi...

SWS

Part Search...

Stock Over...

8:40 AM

Deployment KIT

slwg

G6300542

Model: M24 SWS



RE00165127

INSPECTION CHECKLIST - REPAIRS

CONTRACT #: W52H09-07-C-0207

ISSUED 10/1/2007

R & E NUMBER

165727

SERIAL NUMBER

G6300542

LOG-IN DATE

3-25-09

OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	3-26-09	RTZ
505	RE-BARREL	3-27-09	RTZ
420	ASSEMBLE	3-27-09	RTZ
440	PROOF	MAGNA - FLUX 3-27-09	TL
460	CHECK HEADSPACE	3-27-09	TL
470	DIS-ASSEMBLE GUN		
480	MAGNAFLUX	4/2/09	RTZ
510	DRILL AND TAP	3-28-09	RT
500	ROLLMARK CALIBER	4/2/09	RT
520	GOFF BLAST BBL / REC	4-2	RT
530 & 540	APPLY COATINGS	4-3	
560	FINAL ASSEMBLY	4-7-09	RTZ
640	FUNCTION TEST AND	PASS FAIL	4-8-09
650	TARGET	PASS FAIL	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION		4-8-09
	A) HEADSPACE	PASS FAIL	4-15-09
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	2.61 2.57 2.62 2.64 2.68 4-9-09
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS MAX	5.5 5.5 5.5 4-15-09
	G) SAFETY OFF FORCE	2 LBS MIN	3.5 3.5 3.5 4-15-09
	I) FIRING PIN INDENT	.020	.022 .021 .021 4-15-09
690	PACK		4/20/09

F006 REV 1/2009

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: G6300542.___0
FILE DATE AND TIME: 04/08/2009 14:40

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.234
The Average Y Centroid of the Five Target Set:	-0.051
The Average Point of Impact of the Five Target Set:	0.239
The Average Mean Radius of the Five Target Set:	0.683
The Distance from POA to Centroid Target #1:	0.116
The Distance from Centroid Target #2 to Centroid Target #1:	0.350
The Distance from Centroid Target #3 to Centroid Target #1:	0.198
The Distance from Centroid Target #4 to Centroid Target #1:	0.125
The Distance from Centroid Target #5 to Centroid Target #1:	0.080

SERIAL NUMBER: G6300542. 0

TARGET NUMBER: 1

FILE DATE: 04/08/2009

FILE TIME: 14:40

POINT#	X	Y
1:	-0.021	-0.803
2:	0.222	-0.846
3:	0.349	-0.380
4:	0.474	-0.453
5:	-1.256	0.348
6:	-0.704	0.309
7:	-0.122	0.177
8:	0.129	0.522
9:	0.918	0.319
10:	0.938	0.116

X CENTROID: 0.093

Y CENTROID: -0.069

POA TO CENTROID: 0.116

HORZ SPREAD: 2.194

VERT SPREAD: 1.368

GROUP SPREAD: 2.206

MIN RADIUS: 0.327

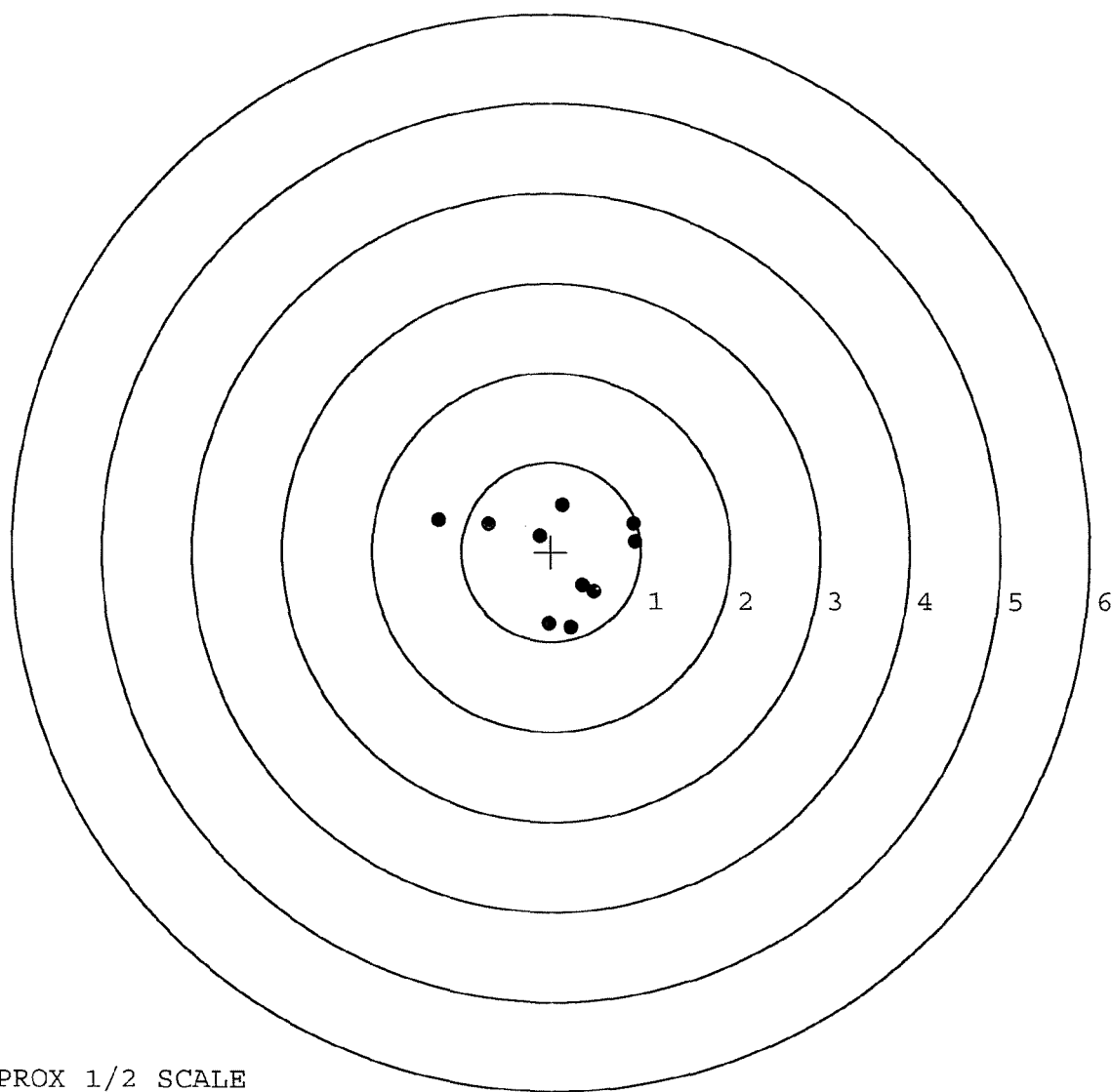
MAX RADIUS: 1.412

MEAN RADIUS: 0.746

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



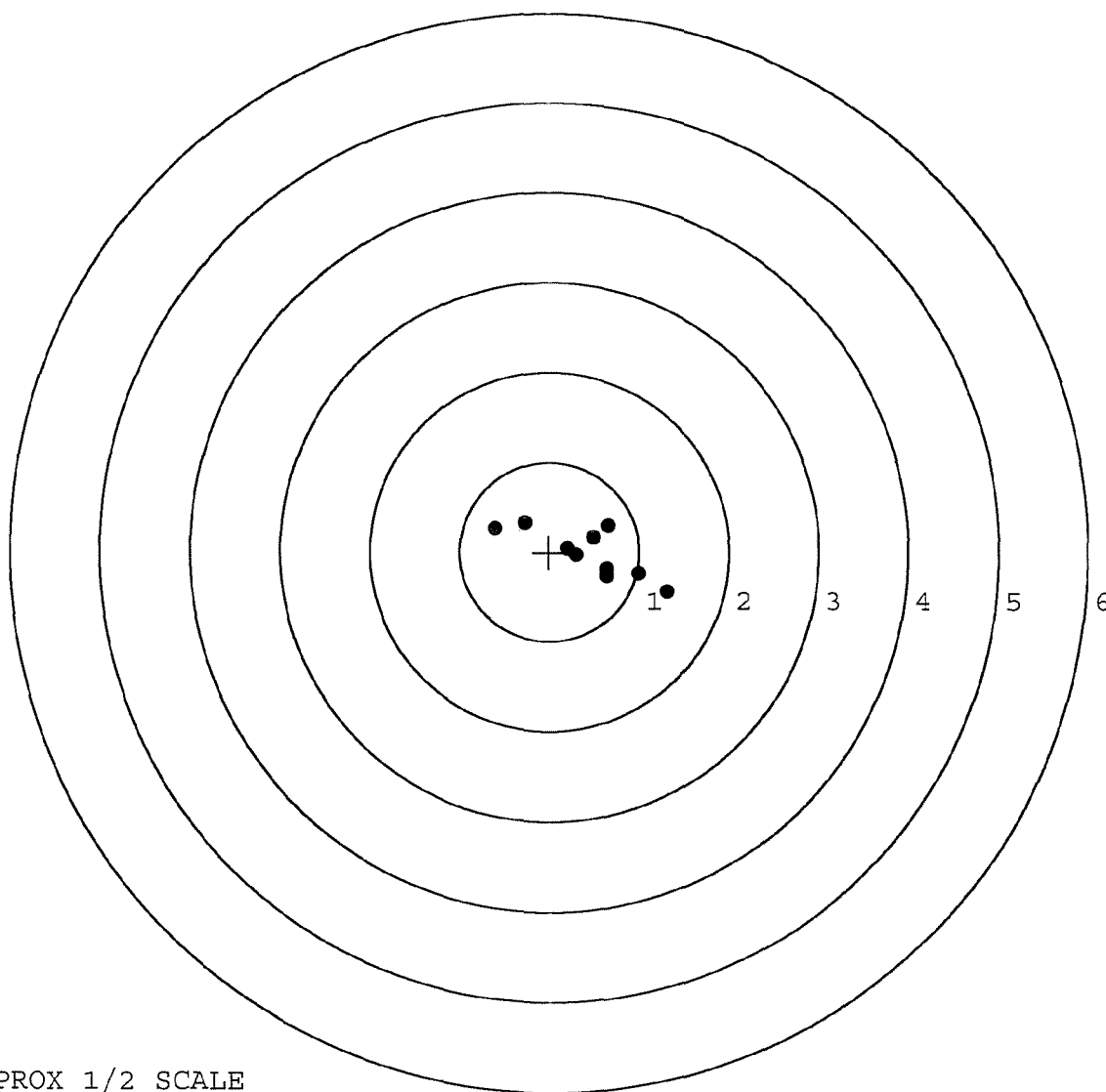
TARGET APPROX 1/2 SCALE

BARBER - M24 0161812

SERIAL NUMBER: G6300542. __0
 TARGET NUMBER: 2
 FILE DATE: 04/08/2009
 FILE TIME: 14:40

POINT#	X	Y
1:	0.213	0.045
2:	0.643	-0.271
3:	0.644	-0.192
4:	1.313	-0.453
5:	0.995	-0.243
6:	0.302	-0.036
7:	0.492	0.166
8:	0.656	0.297
9:	-0.608	0.261
10:	-0.277	0.332

X CENTROID: 0.437
 Y CENTROID: -0.009
 POA TO CENTROID: 0.437
 HORZ SPREAD: 1.921
 VERT SPREAD: 0.785
 GROUP SPREAD: 2.049
 MIN RADIUS: 0.138
 MAX RADIUS: 1.080
 MEAN RADIUS: 0.500
 # IN 1 IN DIAMETER: 6
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 10



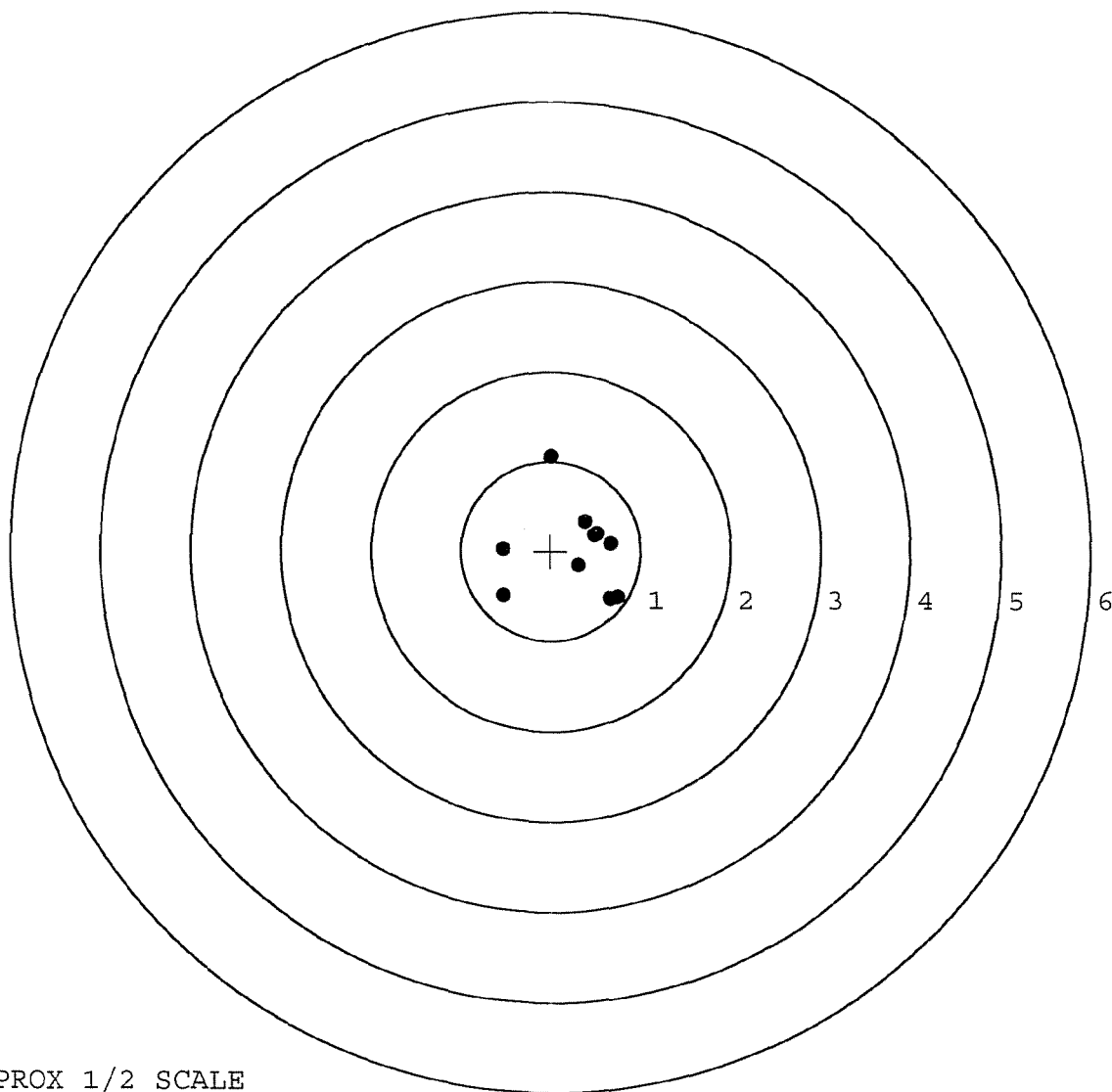
TARGET APPROX 1/2 SCALE

BARBER - M24 0161813

SERIAL NUMBER: G6300542. __0
 TARGET NUMBER: 3
 FILE DATE: 04/08/2009
 FILE TIME: 14:40

POINT#	X	Y
1:	0.312	-0.165
2:	0.673	0.087
3:	0.483	0.183
4:	0.385	0.327
5:	0.745	-0.517
6:	0.660	-0.537
7:	-0.530	-0.500
8:	-0.532	0.026
9:	0.005	1.055
10:	0.512	0.194

X CENTROID: 0.271
 Y CENTROID: 0.015
 POA TO CENTROID: 0.272
 HORZ SPREAD: 1.277
 VERT SPREAD: 1.592
 GROUP SPREAD: 1.737
 MIN RADIUS: 0.185
 MAX RADIUS: 1.073
 MEAN RADIUS: 0.571
 # IN 1 IN DIAMETER: 5
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6300542. 0

TARGET NUMBER: 4

FILE DATE: 04/08/2009

FILE TIME: 14:40

POINT#	X	Y
1:	0.154	-0.350
2:	0.680	-0.475
3:	0.417	0.155
4:	0.077	0.458
5:	-0.096	0.235
6:	-0.210	0.737
7:	0.818	1.049
8:	-0.187	-1.097
9:	-0.808	-0.647
10:	1.331	-0.708

X CENTROID: 0.218

Y CENTROID: -0.064

POA TO CENTROID: 0.227

HORZ SPREAD: 2.139

VERT SPREAD: 2.146

GROUP SPREAD: 2.140

MIN RADIUS: 0.293

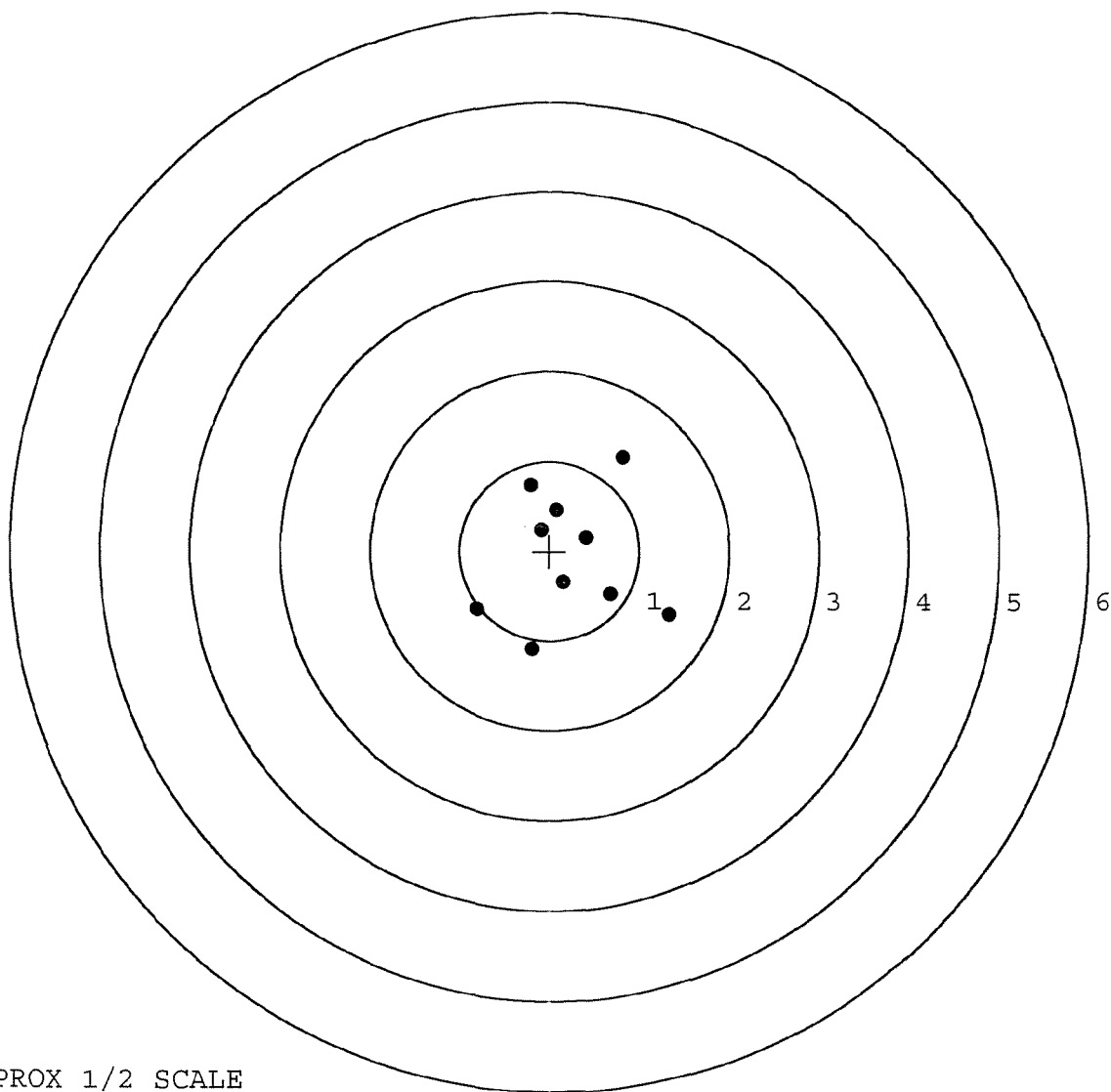
MAX RADIUS: 1.286

MEAN RADIUS: 0.793

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

BARBER - M24 0161815

SERIAL NUMBER: G6300542. __0

TARGET NUMBER: 5

FILE DATE: 04/08/2009

FILE TIME: 14:40

POINT#	X	Y
1:	0.555	-0.724
2:	0.250	-0.332
3:	-0.426	0.127
4:	-0.471	0.120
5:	-0.086	0.414
6:	-0.995	0.778
7:	0.405	0.794
8:	0.478	-0.686
9:	0.700	-1.066
10:	1.078	-0.684

X CENTROID: 0.149

Y CENTROID: -0.126

POA TO CENTROID: 0.195

HORZ SPREAD: 2.073

VERT SPREAD: 1.860

GROUP SPREAD: 2.537

MIN RADIUS: 0.230

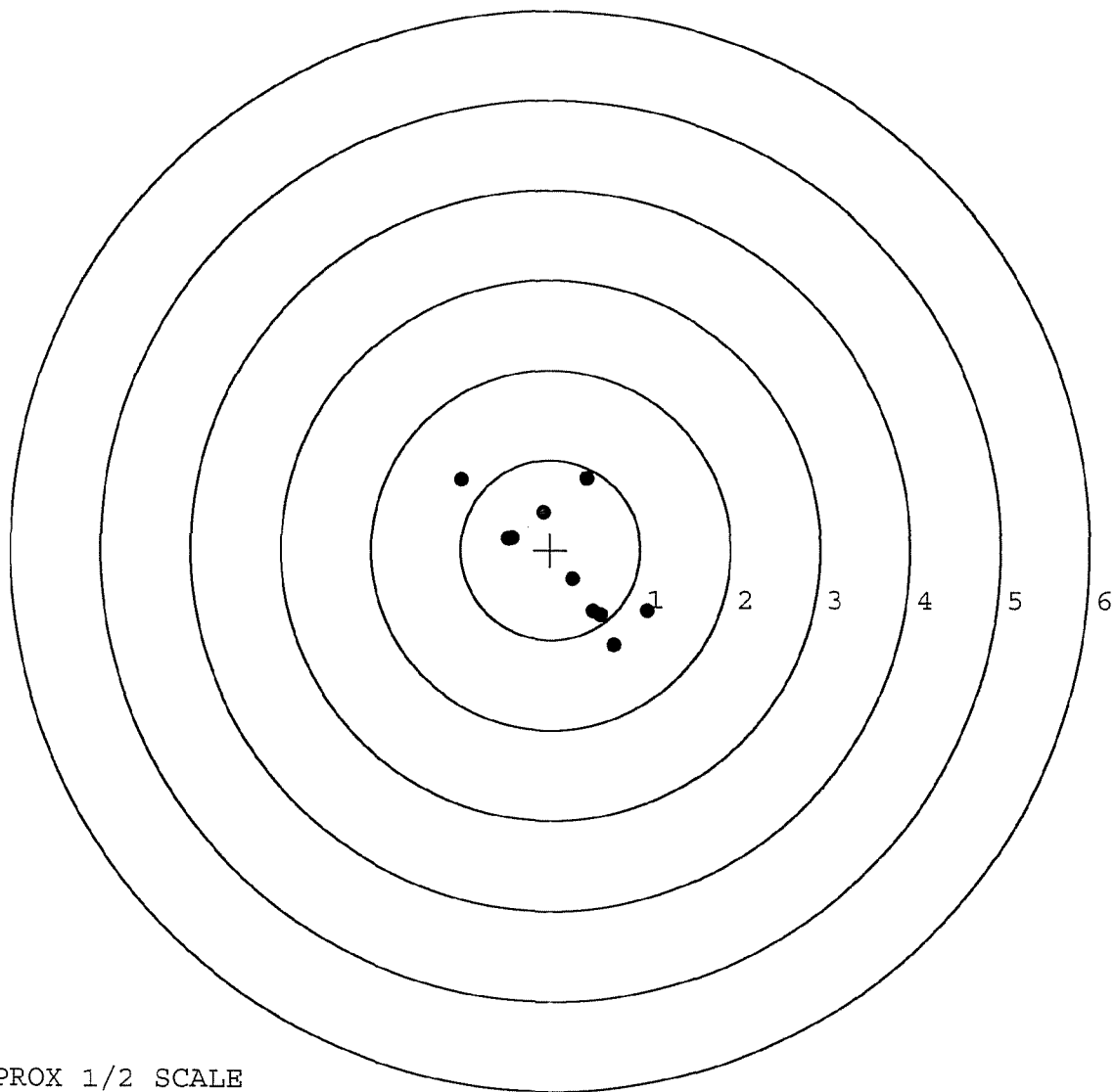
MAX RADIUS: 1.458

MEAN RADIUS: 0.807

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

Repair Number: RE00080479	Serial: C6225486 Model M24 SWS Center Fire Caliber: 7.62 NATO	Repairman:	Status: Closed 4/30/2004 8:00:57 AM															
Verify Repair																		
Address Information																		
Customer:	Received From:	Return To:	Received From:															
Name: TRANSPORTATION OFFICE	TRANSPORTATION OFFICE																	
Address 1: BLDG 873	BLDG 873																	
Address 2: BASTOGNE	PO Box:	BASTOGNE	PO Box:															
City: FORT CAMPBELL	FORT CAMPBELL																	
State: KY Zip Code: 42223 Country: US	State: KY Zip Code: 42223 Country: US																	
FFL: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐																		
Contact / Condition	Problems	Estimate	History / Status															
Shipping / Billing																		
Contact Information Phone: Fax: Email: Comments:	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>A017</td> <td>Scope Bases</td> <td>3</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	A017	Scope Bases	3	A026	Scope	1
Code	Desc	Qty																
A007	With Studs	3																
A010	Hard Case	1																
A017	Scope Bases	3																
A026	Scope	1																
Repair Search		Refresh	Close															

negletj

4/30/2004

8:14 AM

CAPS

NUM

INS

SOP

start

5

2

M

G 6300542

~~C6225486~~

Model: M24 SWS

RE00080479

C6225486

SERIAL # C6300542 (New) INSPECTED BY: RTLDATE REC'D: 4-30-04 DATE RET'D: 6-7-04

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:

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: G6300542.___0
FILE DATE AND TIME: 05/21/2004 08:17

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.124
The Average Y Centroid of the Five Target Set:	-0.061
The Average Point of Impact of the Five Target Set:	0.139
The Average Mean Radius of the Five Target Set:	0.720
The Distance from POA to Centroid Target #1:	0.141
The Distance from Centroid Target #2 to Centroid Target #1:	0.097
The Distance from Centroid Target #3 to Centroid Target #1:	0.141
The Distance from Centroid Target #4 to Centroid Target #1:	0.106
The Distance from Centroid Target #5 to Centroid Target #1:	0.097

SERIAL NUMBER: G6300542. 0

TARGET NUMBER: 1

FILE DATE: 05/21/2004

FILE TIME: 08:17

X CENTROID: -0.135

Y CENTROID: -0.039

POA TO CENTROID: 0.141

HORZ SPREAD: 2.028

VERT SPREAD: 2.066

GROUP SPREAD: 2.120

MIN RADIUS: 0.396

MAX RADIUS: 1.348

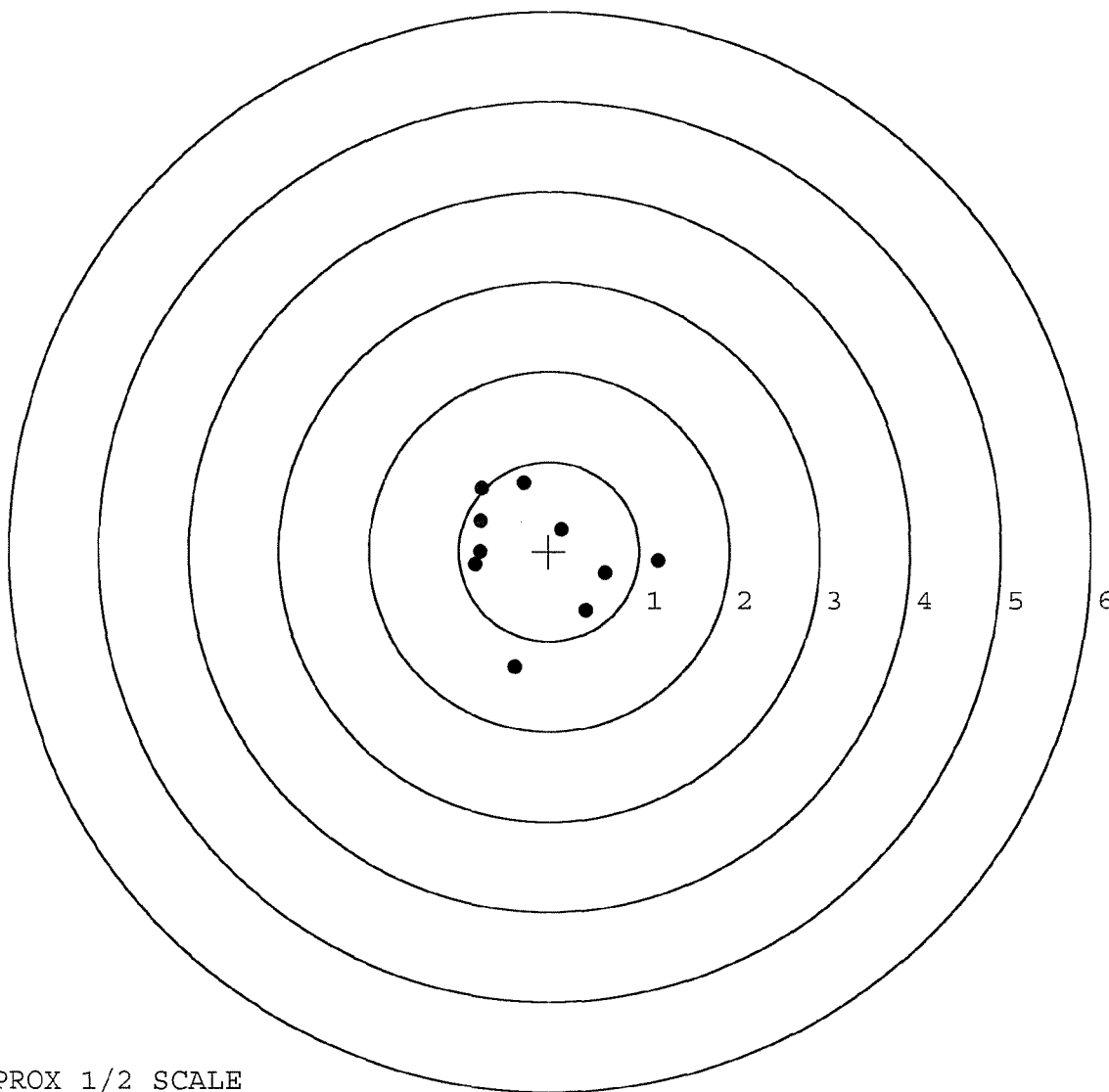
MEAN RADIUS: 0.847

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.374	-1.300
2:	0.410	-0.655
3:	0.626	-0.243
4:	1.211	-0.108
5:	0.143	0.242
6:	-0.282	0.766
7:	-0.748	0.702
8:	-0.761	0.344
9:	-0.763	0.006
10:	-0.817	-0.144



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6300542. __0

TARGET NUMBER: 2

FILE DATE: 05/21/2004

FILE TIME: 08:17

X CENTROID: -0.174

Y CENTROID: -0.128

POA TO CENTROID: 0.216

HORZ SPREAD: 1.895

VERT SPREAD: 1.884

GROUP SPREAD: 1.993

MIN RADIUS: 0.061

MAX RADIUS: 1.304

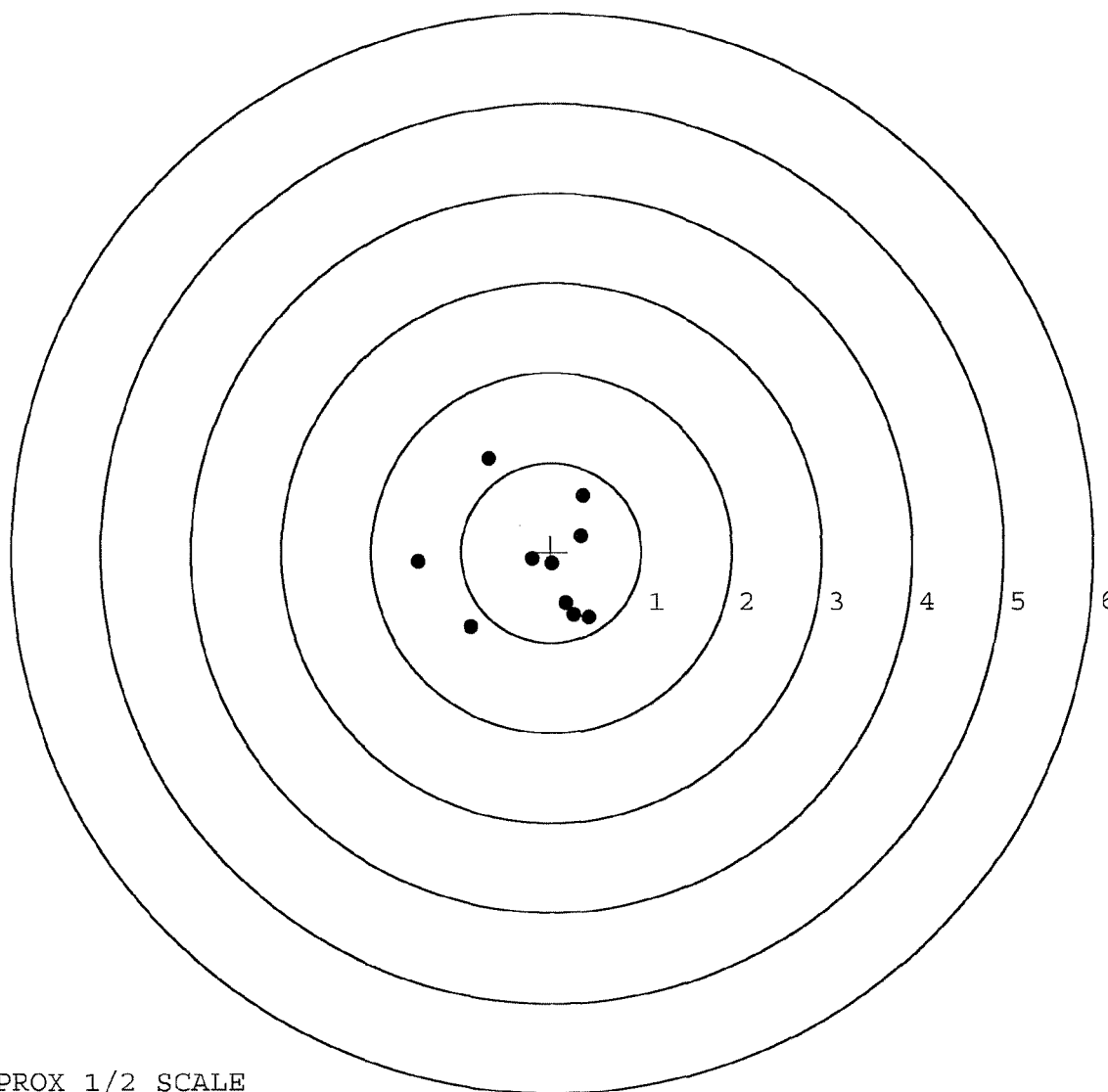
MEAN RADIUS: 0.749

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.897	-0.833
2:	-1.478	-0.113
3:	-0.693	1.051
4:	0.358	0.639
5:	0.338	0.182
6:	-0.209	-0.077
7:	0.009	-0.129
8:	0.164	-0.572
9:	0.250	-0.695
10:	0.417	-0.729



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6300542. 0

TARGET NUMBER: 3

FILE DATE: 05/21/2004

FILE TIME: 08:17

POINT#	X	Y
1:	0.416	-1.044
2:	-0.738	-0.224
3:	-1.302	0.084
4:	-0.091	-0.848
5:	-0.131	-0.576
6:	-0.143	0.080
7:	0.112	0.023
8:	0.520	0.156
9:	0.389	0.255
10:	0.410	0.544

X CENTROID: -0.056

Y CENTROID: -0.155

POA TO CENTROID: 0.165

HORZ SPREAD: 1.822

VERT SPREAD: 1.588

GROUP SPREAD: 2.055

MIN RADIUS: 0.245

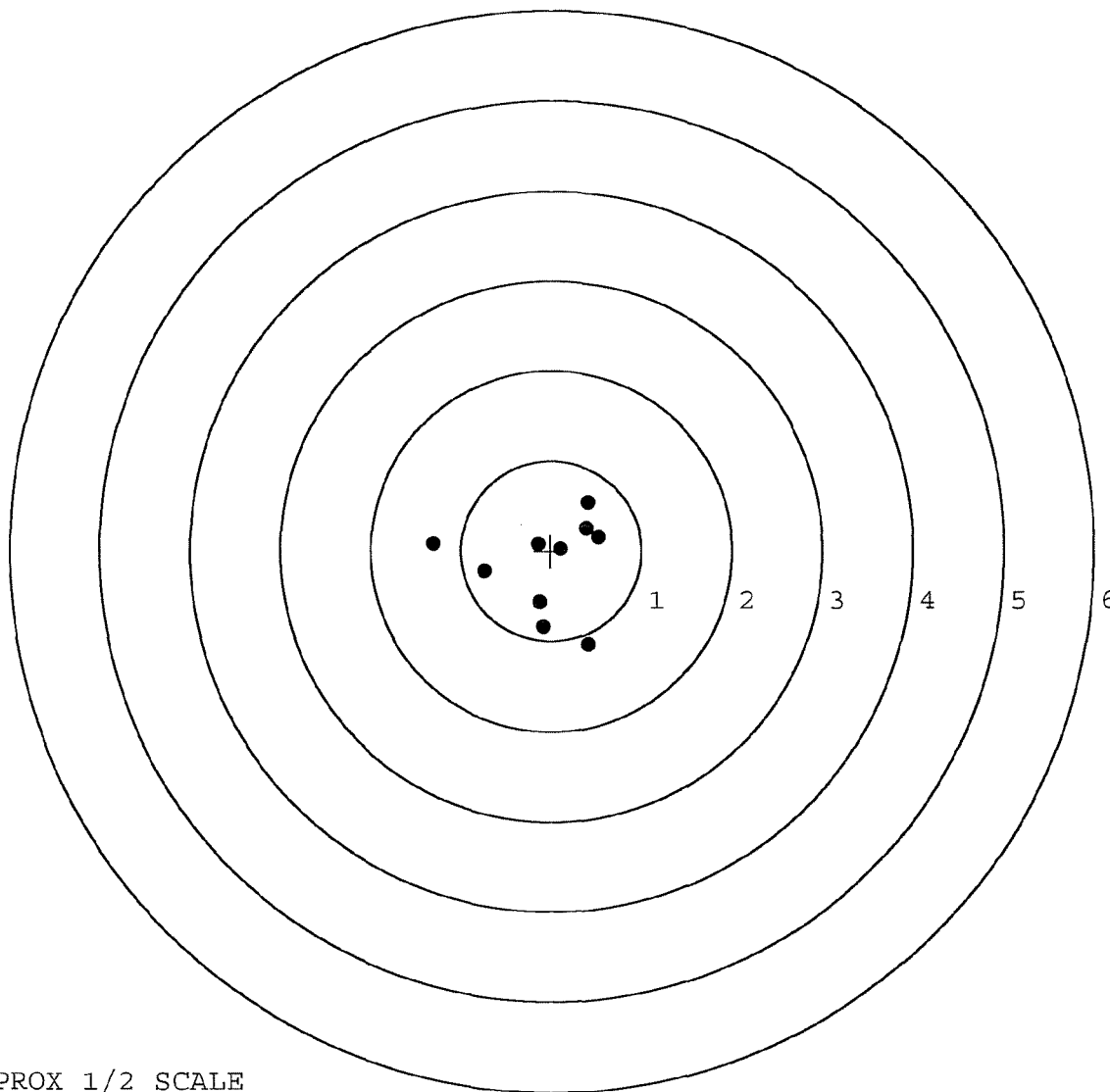
MAX RADIUS: 1.269

MEAN RADIUS: 0.668

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6300542. __0

TARGET NUMBER: 4

FILE DATE: 05/21/2004

FILE TIME: 08:17

POINT#	X	Y
1:	0.720	1.031
2:	-0.563	0.387
3:	-0.579	-0.093
4:	-0.282	-0.719
5:	0.136	0.437
6:	0.250	0.191
7:	0.183	-0.144
8:	0.012	-0.382
9:	-0.126	-0.215
10:	-0.131	-0.457

X CENTROID: -0.038

Y CENTROID: 0.004

POA TO CENTROID: 0.038

HORZ SPREAD: 1.299

VERT SPREAD: 1.750

GROUP SPREAD: 2.017

MIN RADIUS: 0.236

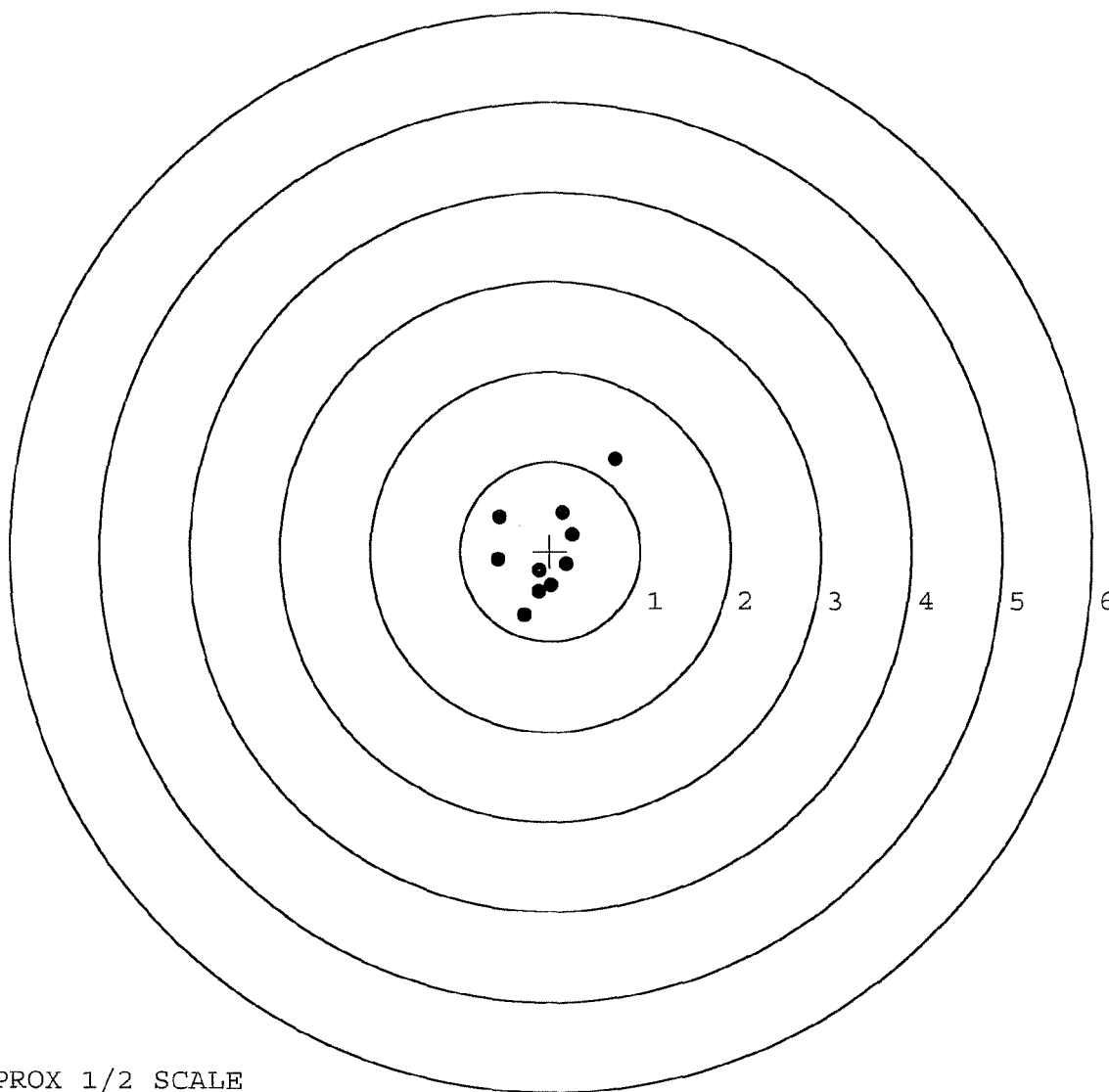
MAX RADIUS: 1.277

MEAN RADIUS: 0.541

IN 1 IN DIAMETER: 6

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6300542. 0

TARGET NUMBER: 5

FILE DATE: 05/21/2004

FILE TIME: 08:17

POINT#	X	Y
1:	0.912	0.201
2:	0.379	0.657
3:	0.405	-0.152
4:	0.097	-0.329
5:	-0.312	-0.185
6:	-1.071	-0.412
7:	-1.622	-0.721
8:	-0.889	0.306
9:	-0.388	0.822
10:	0.308	-0.065

X CENTROID: -0.218

Y CENTROID: 0.012

POA TO CENTROID: 0.218

HORZ SPREAD: 2.534

VERT SPREAD: 1.543

GROUP SPREAD: 2.697

MIN RADIUS: 0.218

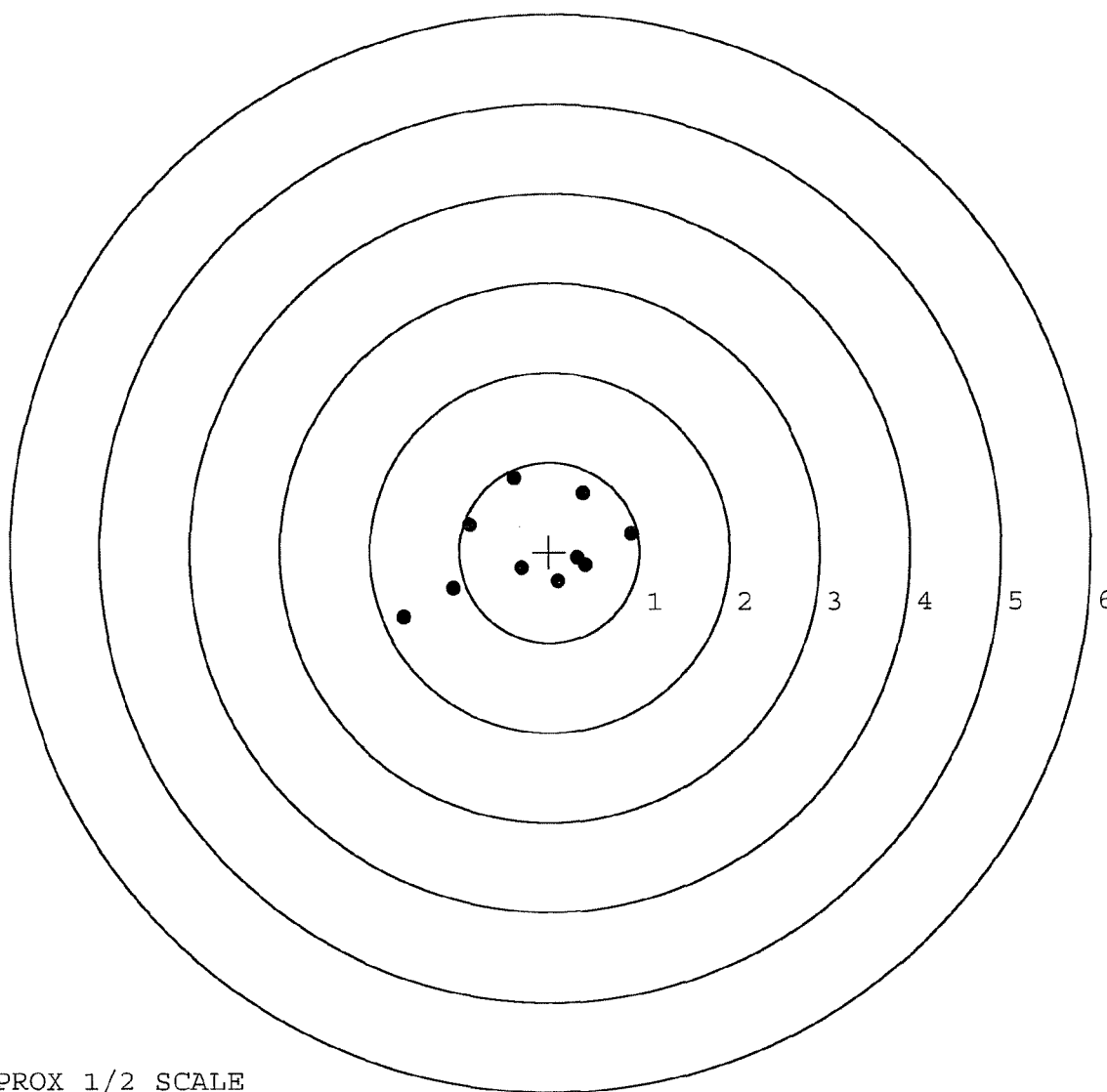
MAX RADIUS: 1.584

MEAN RADIUS: 0.798

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

BARBER - M24 0161824 M-24 INSPECTION CHECKLIST
CONTRACT #: DAAE-20-02-D-0127

R & E NUMBER	80479		
SERIAL NUMBER	26225486 66300542 (New)		
LOG-IN DATE	4-30-04		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	5-3-04	RTL
560 A	RE-BARREL	5-4-04	RTL
B	DRILL AND TAP	5-5-04	TRW
575	ASSEMBLE	5-4-04	RTL
600	PROOF	5-4-04	RTL
605	CHECK HEADSPACE	5-4-04	RTL
610	DIS-ASSEMBLE GUN	5-4-04	RTL
612	MAGNAFLUX		
615	ROLLMARK CALIBER	5/6/04	AB
618	ROTO-BLAST	5/7/04	20
620	APPLY COATINGS	5-10	7X
625 A	FINAL ASSEMBLY	5-19-04	RTL
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	5-21-04	Ac
655	FINAL INSPECT	5-26-04	RTL
660	PACK		
		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: **RE00034186** Serial: C6225486 Model 700 Center Fire Caliber 7.62 NATO M 24 (SWS) Repairman: Status: Closed 10/18/01 1:10:15 PM

Verify Repair

Address Information

Customer Received From Return To Received From

Name: TRANSPORTATION OFFICE TRANSPORTATION OFFICE

Address 1: BLDG 873 BLDG 873

Address 2: BASTONGE AVE PO Box BASTONGE AVE PO Box

City: FORT CAMPBELL FORT CAMPBELL

State: KY Zip Code: 42223 Country: US State: KY Zip Code: 42223 Country: US

FFL:

Contact / Condition Problems Estimate History / Status Shipping / Billing

Contact Information

Phone: Fax: Email: Comments:

Received Condition

Condition: Poor

Condition Notes: CSR Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	3
A009	Soft Case	1
A010	Hard Case	1
A025	Scoope	1
A045	Bi Pod	1
X	DEPLOYMENT KIT	1

Repair Search Refresh Close

10/18/01 1:57 PM CAPS NUM INS SCAL

Start Inbox Calen... ILION Score Israeli Arm Part S The 1:57 PM

Serial Number: **C6225486**

Model: **700**



RE00034186

LOG-IN DATE 10-18-00

[illegible]

Final Inspection

ID: C6225486

DATE REC'D: 10-18-01

DATE RET'D: 10-30-01

EDITOR: RLL

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 0161828

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # C6225486
25 Oct 2001

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1802
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0308
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .182813

THE AMR FOR THIS RIFLE IS: 1.119

CENTROIDAL DISTANCES

0	TO	1	.248685
1	TO	2	.289834
1	TO	3	.423628
1	TO	4	.943519
1	TO	5	.172447

2
1
3 + 5 <----POA
4

REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

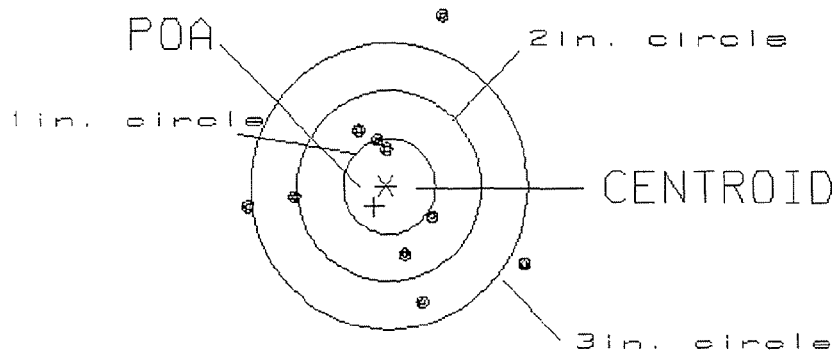
PATTERN #: ☐ 1 ☐

POA TO CENTROID: .249
 MIN RADIUS : .410
 MEAN RADIUS : 1.023
 MAX RADIUS : 1.900
 CENTROID X : .130
 CENTROID Y : .212

25 Oct 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/C6225486

CENTERFIRE PATTERN # 1



OF SHOTS= 10

IN CIRCLE

HS= 3.04

2

VS= 3.00

5

GS= 3.11

7

REMINGTON CENTERFIRE ACCURACY TEST

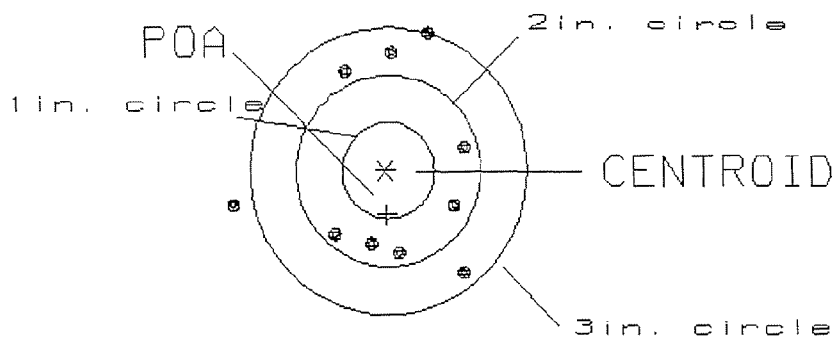
REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: 2
 POA TO CENTROID: .461
 MIN RADIUS : .765
 MEAN RADIUS : 1.110
 MAX RADIUS : 1.693
 CENTROID X : -.020
 CENTROID Y : .460

25 Oct 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/C6225486

CENTERFIRE PATTERN # 2



OF SHOTS= 10

IN CIRCLE

HS= 2.48

0

VS= 2.46

5

GS= 2.76

9

REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

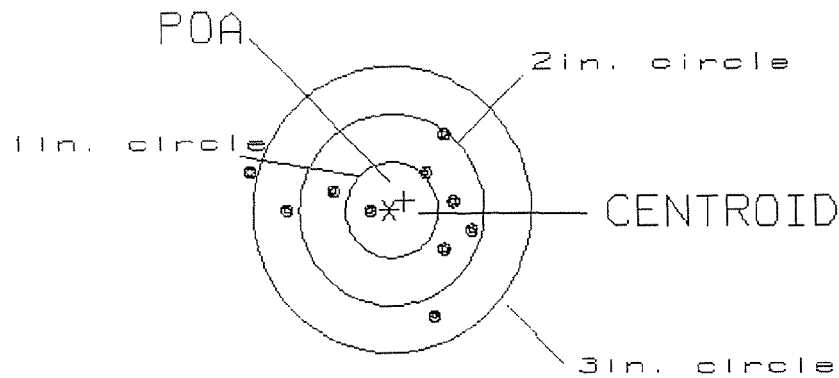
PATTERN #: 3

POA TO CENTROID: .189
 MIN RADIUS : .205
 MEAN RADIUS : .860
 MAX RADIUS : 1.557
 CENTROID X : -.164
 CENTROID Y : -.093

25 Oct 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/CG225406

CENTERFIRE PATTERN # 3



OF SHOTS= 10

IN CIRCLE

HS= 2.37

1

VS= 1.94

7

GS= 2.52

9

REMINGTON CENTERFIRE ACCURACY TEST

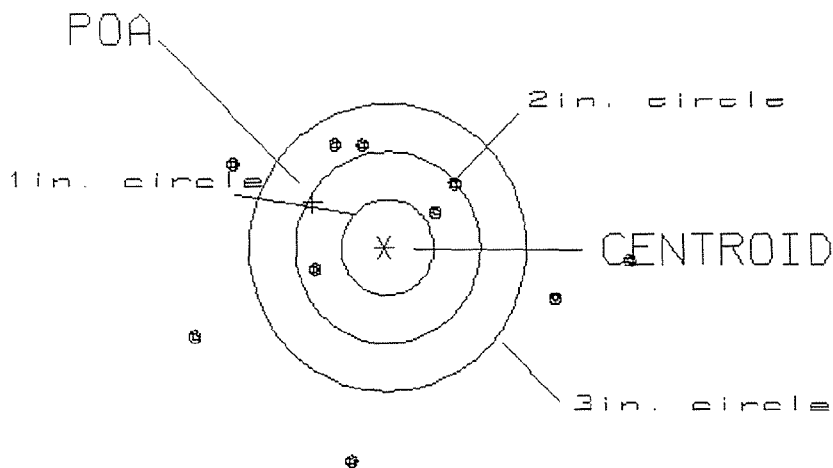
REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: ☐ 4 ☐
 POA TO CENTROID: .912
 MIN RADIUS : .623
 MEAN RADIUS : 1.581
 MAX RADIUS : 2.659
 CENTROID X : .782
 CENTROID Y : -.470

25 Oct 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/C6225486

CENTERFIRE PATTERN # 4



OF SHOTS= 10

IN CIRCLE

HS= 4.75

0

VS= 3.35

3

GS= 4.81

5

REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: 5

POA TO CENTROID: .179

MIN RADIUS : .296

MEAN RADIUS : 1.022

MAX RADIUS : 1.630

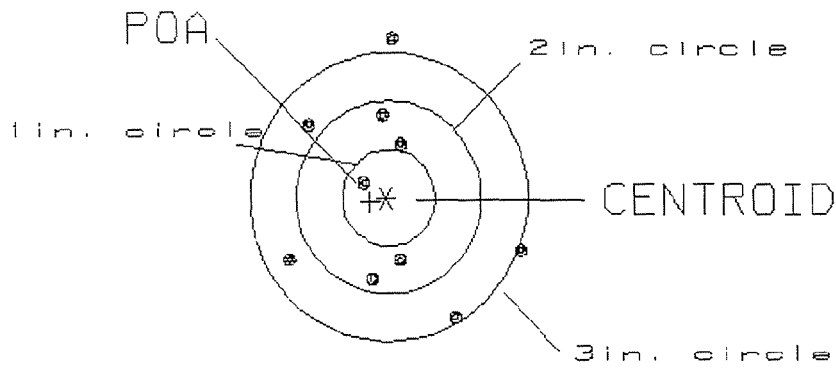
CENTROID X : .173

CENTROID Y : .045

25 Oct 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/CG225486

CENTERFIRE PATTERN # 5



OF SHOTS= 10

IN CIRCLE

HS= 2.49

1

VS= 2.64

5

GS= 2.93

9

Remington
REG. U.S. PAT. & TM. OFF.

MODEL 700™ M24

VERY IMPORTANT:
 Instruction Book
 enclosed to assure
 safe use of this
 firearm.

DUPONT

SERIAL NO.
 C6225486

ORDER NO.
 5716

MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.

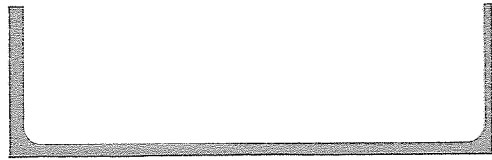
01



5716 C6225486

LPC

0 47700 25716 7



CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225486

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	4 21	89	RW
600	Proof	4 21	89	RW
607	Check Headspace	4 21	89	RW
610	Dis-assemble Gun	4 21	89	RW
612	Magnaflux Barrel Action		4/26	KCR
	Magnaflux Bolt		4/27	KCR
615	Rollmark Caliber		4/27	hdf
617	Drill and Tap Sight Holes	4 27	89	FB
618	Polish Barrel RB	4 27	89	BT
620	Apply Coatings (Barrel Action)		5/2/89	TJA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		5/8/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/8/89	RW
	C) Inspect Ejector Hole for Chamfer		5/8/89	RW
	D) Oil Firing Pin Ass'y		5/8/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		5/12/89	WB

op. #	BARBER - M24 0161836 OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4	4	4			5/12/89	JU
	G) Safety Off Force	2	2	2			5/12/89	JU
	H) Trigger Pull Test & Retainability						3/12/89	WB
	I) Firing Pin Indent	.021	.021	.022			5/12/89	JU
	J) Assemble Stock						5/12/89	RW
	K) Assemble Swivel Studs						16 May 89	JS
	L) Attach Front and Rear Sight Assemblies						5/12/89	RW
	M) Iron Sight Alignment						5/12/89	RW
	N) Detach Front & Rear Sights & place in numbered container						5/12/89	RW
	O) Attach Scope to Rifle						5/15/89	JU
	P) Detach & Attach Scope 20 Times						5/15/89	JU
640	Gallery Target & Test	50 R	103 L				5/15/89	A
	A) Time						5/15/89	A
	B) Malfunctions						5/15/89	A
	C) Pierced Primers						5/15/89	AC
	D) Optical Clarity of Scope						5/15/89	A
645	Inspect for Live Ammo						5/15/89	A
655	Final Inspection A) Headspace						16 May 89	JS
	B) Trigger Pull	2.21	2.38	2.42	2.56	2.56	16 May 89	JS
	C) Function						16 May 89	JS
660	Pack						26 June 89	JS

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS
2.50# + .50#
3.00# + .75#
4.00# + 1.00#

SERIAL NO. 622546DATE 4-6-90TESTER JD.

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.47	2.50		2.42	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.55	2.30		2.48	
PULL #3	2.49	2.51		2.58	
PULL #4	2.47	2.58		2.51	
PULL #5	2.50	2.55		2.57	
TOTAL	12.48	12.44		12.56	
AVG.	2.496	2.488		2.512	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.56	3.39		
PULL #2	3.54	3.39		
PULL #3	3.45	3.44		
PULL #4	3.41	3.45		
PULL #5	3.50	3.49		
TOTAL	17.46	17.16		
AVG.	3.492	3.432		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.39	4.53		
PULL #2	4.23	4.51		
PULL #3	4.50	4.48		
PULL #4	4.37	4.51		
PULL #5	4.53	4.57		
TOTAL	22.02	22.60		
AVG.	4.404	4.52		

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06225486
16 May 1989

CENTROIDAL DISTANCES

0 TO	1	.103846
1 TO	2	.557512
1 TO	3	.481269
1 TO	4	.808478
1 TO	5	.597429

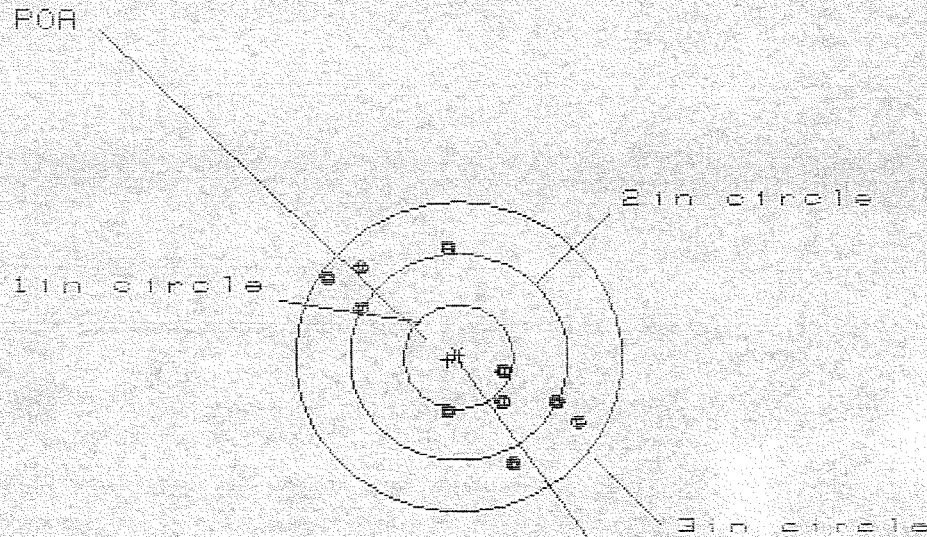
3 1 5 x --- POA
4

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1414
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0864
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .165707
THE AMR FOR THIS RIFLE IS: .9538

15 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06225486

CENTERFIRE PATTERNS # 1



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 4

3 in = 10

HS = 2.300

VS = 2.047

GS = 2.692

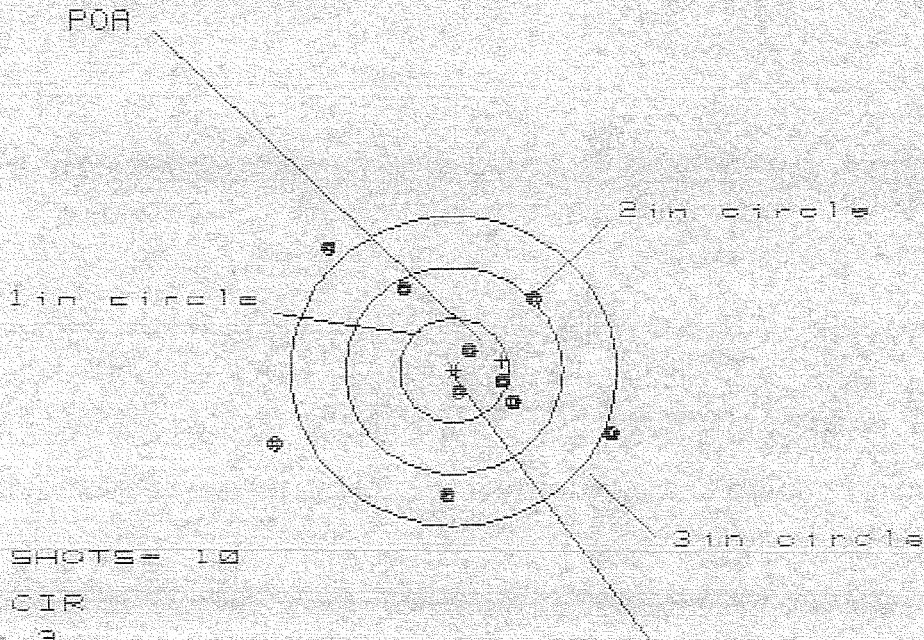
CENTROID #

PATTERN #	1	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.086	.951	.851
MINIMUM X	-1.214	-1.058	-.939
MAXIMUM Y	1.039	1.126	1.060
MINIMUM Y	-1.008	-.921	-.987
CENTROID X	.100	.235	.116
CENTROID Y	.028	-.059	.007
POA TO CENTROID in.	.104	.242	.116
MIN RADIUS	.396	.248	.375
MEAN RADIUS	.962	.867	.861
MAX RADIUS	1.445	1.389	1.256
HORIZONTAL SPREAD	2.300	2.009	1.790
VERTICAL SPREAD	2.047	2.047	2.047
EXTREME SPREAD	2.692	2.463	2.318
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	10		

15 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225486

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1 in = 3

2 in = 5

3 in = 7

HS= 3.144

VS= 2.386

GS= 3.224

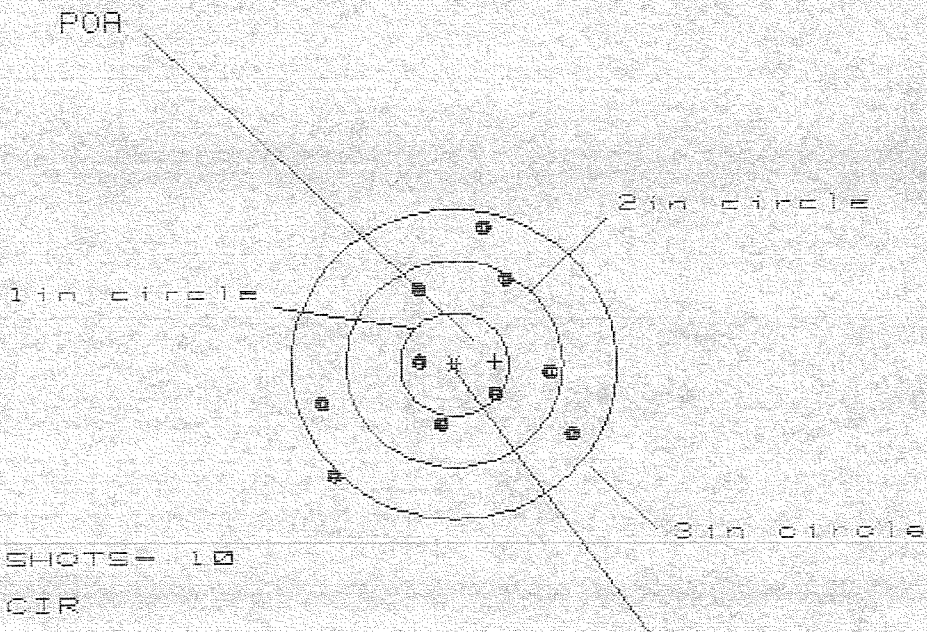
CENTROID *

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.486	1.302	1.132
MINIMUM X	:	-1.658	-1.356	-1.792
MAXIMUM Y	:	1.224	1.151	.879
MINIMUM Y	:	-1.162	-1.235	-1.091
CENTROID X	:	-.444	-.260	-.090
CENTROID Y	:	-.094	-.021	-.165
POA TO CENTROID in.	:	.454	.261	.188
MIN RADIUS	:	.249	.176	.057
MEAN RADIUS	:	.969	.840	.689
MAX RADIUS	:	1.784	1.779	1.250
HORIZONTAL SPREAD	:	3.144	2.658	1.924
VERTICAL SPREAD	:	2.386	2.386	1.970
EXTREME SPREAD	:	3.224	3.224	2.385
NUMBER IN ONE INCH CIRCLE =			3	
NUMBER IN TWO INCH CIRCLE =			5	
NUMBER IN THREE INCH CIRCLE =			7	

15 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/CA225466

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 6

3 in = 9

HS= 2.329

VS= 2.337

GS= 2.724

CENTROID *

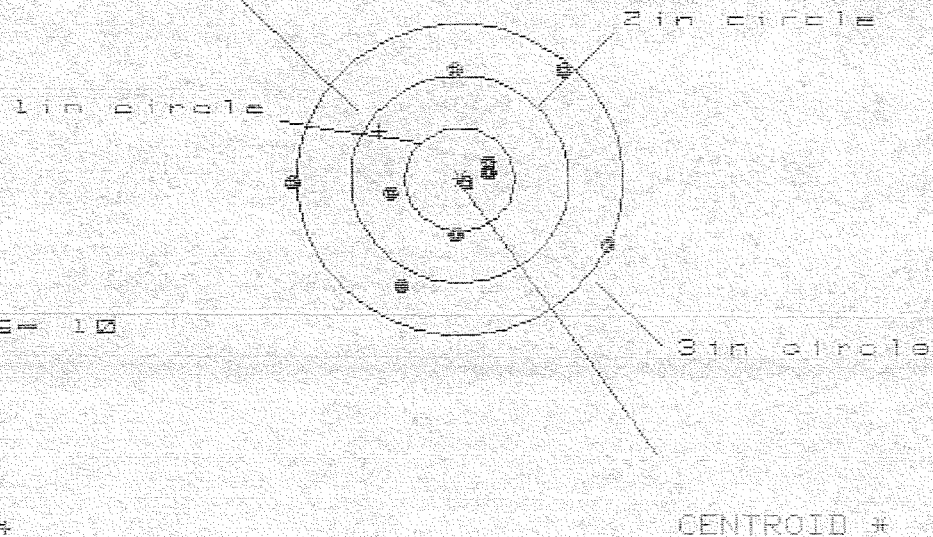
PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.115	.988	1.003
MINIMUM X	:	-1.214	-1.341	-1.326
MAXIMUM Y	:	1.311	1.197	.846
MINIMUM Y	:	-1.026	-.737	-.588
CENTROID X	:	-.378	-.250	-.265
CENTROID Y	:	-.028	.086	-.063
POA TO CENTROID in.	:	.379	.264	.272
MIN RADIUS	:	.329	.407	.300
MEAN RADIUS	:	.949	.876	.818
MAX RADIUS	:	1.542	1.425	1.367
HORIZONTAL SPREAD	:	2.329	2.329	2.329
VERTICAL SPREAD	:	2.337	1.934	1.433
EXTREME SPREAD	:	2.724	2.343	2.343
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

15 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225486

CENTERFIRE PATTERNS # 4

POB



OF SHOTS= 10

IN CIR

1 in = 3

2 in = 5

3 in = 9

HS= 2.824

VS= 2.071

GS= 2.893

CENTROID #

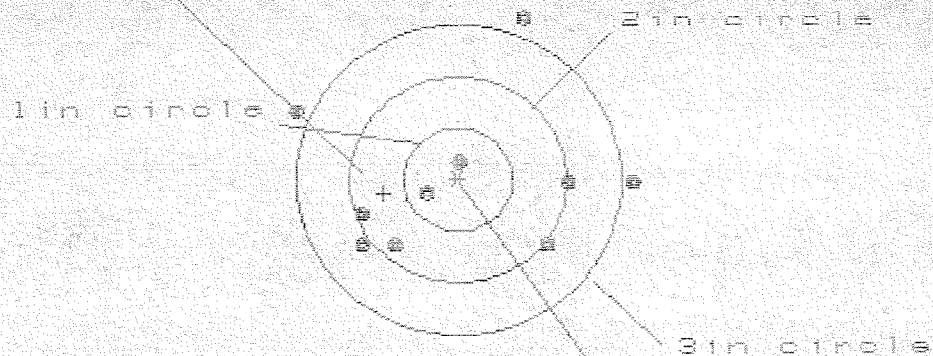
PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.316	1.148	.972
MINIMUM X	:	-1.508	-.858	-.714
MAXIMUM Y	:	1.064	1.064	.986
MINIMUM Y	:	-1.007	-1.007	-1.086
CENTROID X	:	.740	.908	.764
CENTROID Y	:	-.466	-.466	-.388
POB TO CENTROID in.	:	.875	1.020	.857
MIN RADIUS	:	.069	.153	.144
MEAN RADIUS	:	.853	.768	.699
MAX RADIUS	:	1.508	1.337	1.374
HORIZONTAL SPREAD	:	2.824	2.006	1.686
VERTICAL SPREAD	:	2.071	2.071	2.071
EXTREME SPREAD	:	2.893	2.593	2.593
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

15 May 1989

FILE://PATTERNING/CENTERFIRE_PATT/C02254B6

CENTERFIRE PATTERNS # 5

POA



OF SHOTS = 10

IN CIR

1 in = 2

2 in = 4

3 in = 7

HS= 3.147

VS= 2.197

GS= 3.228

CENTROID *

PATTERN #

5

	10	9	8
SHOTS (BEST OF)			
MAXIMUM X	1.628	1.459	1.514
MINIMUM X	-1.519	-1.036	-.981
MAXIMUM Y	1.534	1.610	.474
MINIMUM Y	-.663	-.587	-.386
CENTROID X	.689	.858	.803
CENTROID Y	.128	.052	-.149
POA TO CENTROID in.	.701	.859	.816
MIN RADIUS	.201	.302	.408
MEAN RADIUS	1.036	.973	.870
MAX RADIUS	1.665	1.669	1.533
HORIZONTAL SPREAD	3.147	2.495	2.495
VERTICAL SPREAD	2.197	2.197	.860
EXTREME SPREAD	3.228	2.635	2.552
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		4	
NUMBER IN THREE INCH CIRCLE =		7	

BARBER - M24 **M2400161883**

MAINTENANCE REQUEST				PAGE NO.		NO. OF PAGES		REQUIREMENTS CONTROL SYMBOL CSGLD - 1047(R1)			
For use of this form, see DA PAM 738-750; the proponent agency is DCSLOG											
SECTION I - EQUIPMENT DATA											
CONTROL NUMBER		WORK ORDER NO.			WESDC		ORG. PD 02		PD AUTHENTICATION		
☒ Work Request ☐ MWO ☐ Warranty Claim		1A. ORGANIZATION HIIC 2/327 INF			B. LOCATION FT. Campbell, 42223			C. UNIT IDENT CODE WAC1170			
2. SERIAL NO. C6225486		3. NOUN NOMENCLATURE Engine, Main, 7.2L			4. LINE NO. 1107		5. MODEL M24		6. NATIONAL STOCK NUMBER 100-01-240-2136		
7A. MAINTENANCE ACTIVITY 1730		B. LEVEL F	B. UTILIZATION CODE 0	9A. MCSR ITEM	9B. ERC	9C. PACING ITEM	10. HOURS	11. MILES	12. ROUNDS	13. STARTS	
14. FAILURE DETECTED DURING (Select one - use ☒ or X)						15. FIRST INDICATION OF TROUBLE (Select one - use ☒ or X)					
☒ A Sch. Main.		☐ C Test		☐ E Storage		☐ G Flight		☐ 068 Inoperative		☐ 258 Overheating	
☐ B Handling		☐ D Normal Op		☐ F Inspection		☐ H Other		☐ 008 Noisy		☒ 387 Low Performance	
16A. DESCRIBE DEFICIENCIES OR SYMPTOMS ON THE BASIS OF COMPLETE CHECKOUT AND DIAGNOSTIC PROCEDURE IN EQUIPMENT TM (Do not prescribe repairs). Stock engine bly warped and making cont. it with 1000 RPM, Didn't need a bly due to excessive RPM											
B. REMARKS POC 14T Ruffcorn XO 11-11-88											
SECTION II - WORK ACCOMPLISHED											
17A. REPAIR ORGANIZATION/ACTIVITY				C. UNIT IDENT. CODE		18. TYPE ORGANIZATION/ACTIVITY ACCOMPLISHING WORK (Select one - use ☒ or X)				19. AMS ACCT. CODE	
B. LOCATION						☐ 1 TOE ☐ 2 TD ☐ 3 Contractor					
20A. ACT. CODE	B. FAILURE CODE	C. COMPONENT/PART NOUN, SVC. OR MWO NO.			D. MANHOURS (hrs. & tenths)	E. NATIONAL STOCK NUMBER		F. PART SOURCE CODE	G. QTY.	H. PARTS COST	
		(1) CB CODE	(2) REF DESIGN.	(3) MFR CODE							
					.					\$	
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					.					\$	
I. TOTAL MANHOURS					J. TOTAL MANHOURS COST \$				K. TOTAL PARTS COST \$		
21. DELAY (Select One)											
☐ 1 Parts ☐ 2 Manpower ☐ 3 Facilities ☐ 4 Funds ☐ 5 Tools											
23. SUBMITTED BY Lawrence B. [Signature]		24. RECEIVED BY		25. WORK STARTED BY		26. INSPECTED BY		27. ACCEPTED BY		28. DISPOSITION (Select One)	
JULIAN DATE		JULIAN DATE		JULIAN DATE		JULIAN DATE		JULIAN DATE		☐ A To User ☐ D Evacuated ☐ B To Stock ☐ E Cannibalization ☐ C Salvaged	

DA FORM 2404
1 APR 79

BARBER - M24 ~~0161826~~ **M2400161885**

DA FORM 2404
1 APR 79

BARBER - M24 016182761886

MAINTENANCE REQUEST				PAGE NO.		NO. OF PAGES		REQUIREMENTS CONTROL SYMBOL CSGLD - 1047(R1)					
For use of this form, see DA PAM 733-750; the proponent agency is DCSLOG													
SECTION I - EQUIPMENT DATA													
CONTROL NUMBER		WORK ORDER NO.			WESDC		OFG PD 02		PD AUTHENTICATION				
☒ Work Request ☐ MWO ☐ Warranty Claim		1A. ORGANIZATION HIIC 2/327 INF			B. LOCATION FT. Campbell, Ky 42223			C. UNIT IDENT CODE WACH10					
2. SERIAL NO. C6225486		3. NOUN NOMENCLATURE Infantry Weapons System 7.62mm			4. LINE NO. K75387		5. MODEL M24		6. NATIONAL STOCK NUMBER 100-01-240-2136				
7A. MAINTENANCE ACTIVITY ISSD		B. LEVEL F		8. UTILIZATION CODE 0		9A. MCSR ITEM		9B. ERC		9C. PACING ITEM			
								10. HOURS		11. MILES			
										12. ROUNDS			
										13. STARTS			
14. FAILURE DETECTED DURING (Select one - use ☒ or X)						15. FIRST INDICATION OF TROUBLE (Select one - use ☒ or X)							
☒ A Sch. Main.		☐ C Test		☐ E Storage		☐ G Flight		☐ 068 Inoperative		☐ 258 Overheating			
☐ B Handling		☐ D Normal Op		☐ F Inspection		☐ H Other		☐ 008 Noisy		☒ 387 Low Performance			
16A. DESCRIBE DEFICIENCIES OR SYMPTOMS ON THE BASIS OF COMPLETE CHECKOUT AND DIAGNOSTIC PROCEDURE IN EQUIPMENT TM (Do not prescribe repairs). Stock assembly warped and making contact with barrel, barrel need a bar due to excessive heat.													
B. REMARKS POC 1st Rafferty XO 11-11-88 11-11-88													
SECTION II - WORK ACCOMPLISHED													
17A. REPAIR ORGANIZATION/ACTIVITY				C. UNIT IDENT. CODE				18. TYPE ORGANIZATION/ACTIVITY ACCOMPLISHING WORK (Select one - use ☒ or X)				19. AMS ACCT. CODE	
B. LOCATION								☐ 1 TOE ☐ 2 TD ☐ 3 Contractor					
20A. ACT. CODE	B. FAILURE CODE	C. COMPONENT/PART NOUN, SVC, OR MWO NO.			D. MAN-HOURS (Hrs. & tenths)	E. NATIONAL STOCK NUMBER		F. PART SOURCE CODE	G. QTY.	H. PARTS COST			
		(1) CB CODE	(2) REF DESIGN.	(3) MFR. CODE									
					.					\$			
					.					\$			
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					.					\$			
					.					\$			
					.					\$			
I. TOTAL MANHOURS					J. TOTAL MANHOURS COST \$				K. TOTAL PARTS COST \$				
21. DELAY (Select One)													
☐ 1 Parts ☐ 2 Manpower ☐ 3 Facilities ☐ 4 Funds ☐ 5 Tools													
23. SUBMITTED BY James P. [Signature]		24. RECEIVED BY		25. WORK STARTED BY		26. INSPECTED BY		27. ACCEPTED BY		28. DISPOSITION (Select One)			
JULIAN DATE		JULIAN DATE		JULIAN DATE		JULIAN DATE		JULIAN DATE		☐ A To User ☐ D Evacuated ☐ B To Stock ☐ E Cannibalization ☐ C Salvaged			



OFFICIAL BUSINESS

[illegible]

DOC. NO.

CAT 17

[illegible]

STK NO 1005012402136
BULK LOC

BIN	LOC	QTY	REQ
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3	3	3	3
4	4	4	4
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9	9	9	9
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66	66	66	66
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68	68	68	68
69	69	69	69
70	70	70	70
71	71	71	71
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74	74	74	74
75	75	75	75
76	76	76	76
77	77	77	77
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81	81	81	81
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90	90	90	90
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92	92	92	92
93	93	93	93
94	94	94	94
95	95	95	95
96	96	96	96
97	97	97	97
98	98	98	98
99	99	99	99
100	100	100	100

[illegible]

DD FORM 1348-1A, SEP 87 (BLUE)

Jun 86 edition may be used.

FORM APPROVED, OMB NO. 0704-0188

DOD SINGLE LINE ITEM RELEASE/RECEIPT DOCUMENT

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
ISSUED BY DENIMONT

BARBER - M24 ~~M24~~ 0161888

CONTRACT # DAAA21-87-C-0086

*New Barrel*GUN SERIAL # *C6225486*

OP. #	OP. NAME	READINGS	DATE	INITIAL
575 & 580	Assemble Action and Stock		3/16/95	RW
600	Proof		3/16/95	RW
607	Check Headspace		3/16/95	RW
610	Dis-assemble Gun		3/16/95	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		4/3/95	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		4/3/95	RW
	C) Inspect Ejector Hole for Chamfer		4/3/95	RW
	D) Oil Firing Pin Ass'y		4/3/95	RW
	E) Adjust Trigger Pull to Min Setting and Stake		4/3/95	RW

op. #	BARBER - M24 0161851 OP. NAME	READINGS	DATE	INIT
625 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		4/1/95	RW
	A) Time			
	B) Malfunctions			
	C) Pierced Primers			
	D) Optical Clarity of Scope			
645	Inspect for Live Ammo		4/1/95	RW
655	Final Inspection A) Headspace		4/3/95	RW
	B) Trigger Pull			
	C) Function		4/3/95	RW
660	Pack			

Final Inspection

Sn: C6225486

DATE REC'D: 3/01/95

DATE RET'D:

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 # C6225486
22 May 1995

CENTROIDAL DISTANCES

0 TO	1	.218197
1 TO	2	.111629
1 TO	3	.485819
1 TO	4	.0998248
1 TO	5	.159765

4, <----POA

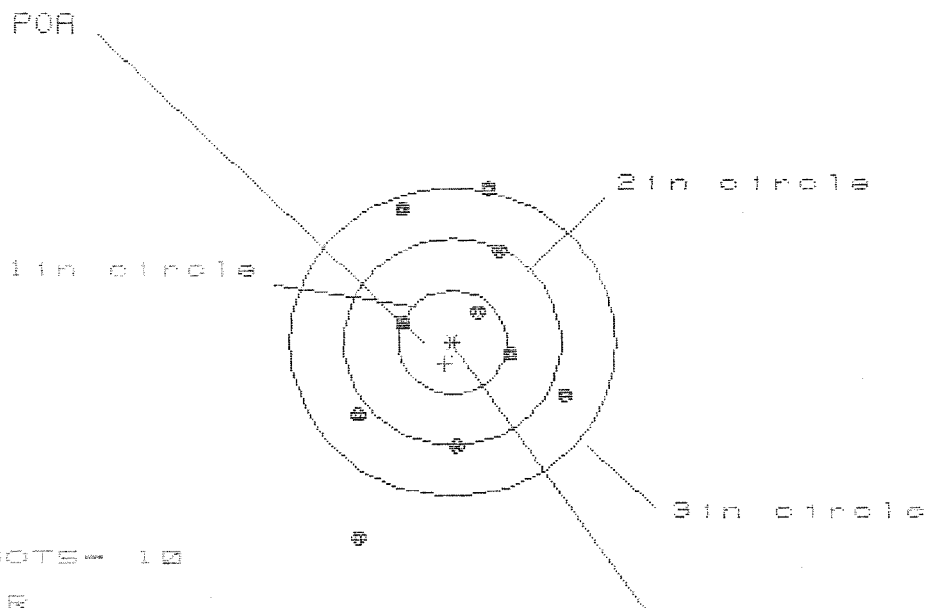
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1038
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0896
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .137123

THE AMR FOR THIS RIFLE IS: .9912

22 May 1995

FILE:/PATTERNING/CENTERFIRE_PATT/08225486

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 2

2in = 4

3in = 8

HS= 1.856

VS= 3.429

GS= 3.628

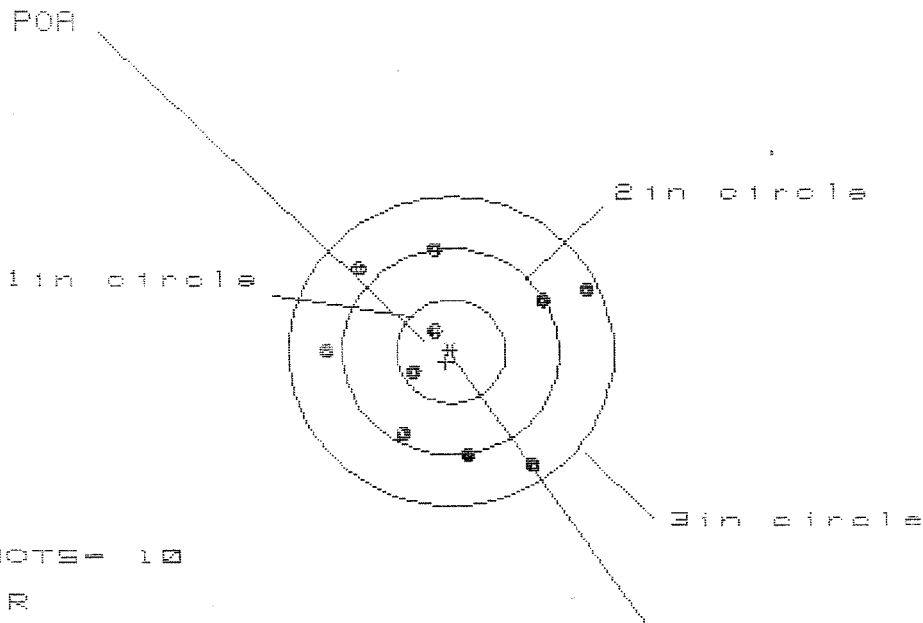
CENTROID *

PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.021	.928	.960
MINIMUM X	-.835	-.912	-.880
MAXIMUM Y	1.508	1.295	1.263
MINIMUM Y	-1.921	-1.192	-1.030
CENTROID X	.069	.162	.130
CENTROID Y	.207	.420	.258
POA TO CENTROID in.	.213	.450	.289
MIN RADIUS	.384	.171	.307
MEAN RADIUS	1.066	.919	.869
MAX RADIUS	2.094	1.320	1.388
HORIZONTAL SPREAD	1.856	1.840	1.840
VERTICAL SPREAD	3.429	2.487	2.293
EXTREME SPREAD	3.628	2.512	2.367
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		4	
NUMBER IN THREE INCH CIRCLE =		8	

22 May 1995

FILE:/PATTERNING/CENTERFIRE_PATT/06225486

CENTERFIRE PATTERNS # 2



OF SHOTS = 10

IN CIR

1 in = 2

2 in = 6

3 in = 10

HE = 2.443

VS = 2.015

GS = 2.531

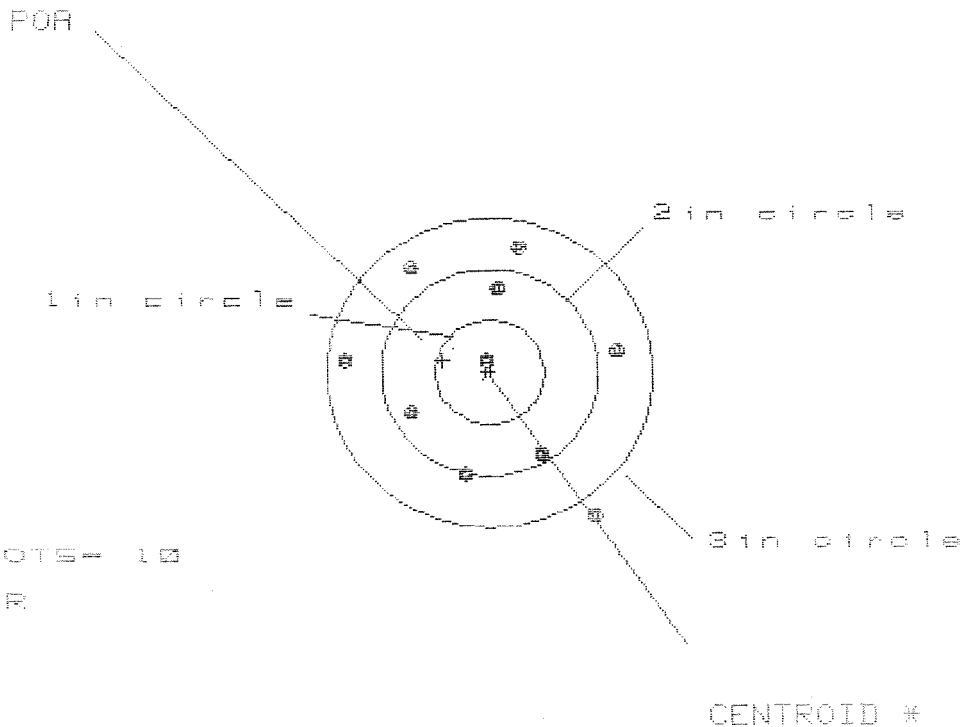
CENTROID *

PATTERN #	2		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.289	.970	1.084
MINIMUM X	-1.154	-1.011	-.897
MAXIMUM Y	.962	1.035	.912
MINIMUM Y	-1.053	-.980	-1.031
CENTROID X	.050	-.093	-.207
CENTROID Y	.097	.024	.147
POA TO CENTROID in.	.109	.096	.254
MIN RADIUS	.224	.250	.176
MEAN RADIUS	.959	.880	.804
MAX RADIUS	1.444	1.340	1.187
HORIZONTAL SPREAD	2.443	1.981	1.981
VERTICAL SPREAD	2.015	2.015	1.943
EXTREME SPREAD	2.531	2.434	2.054
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		10	

22 May 1995

FILE:/PATTERNING/CENTERFIRE_PATT/C6225486

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 5

3 in = 9

HS= 2.442

VS= 2.578

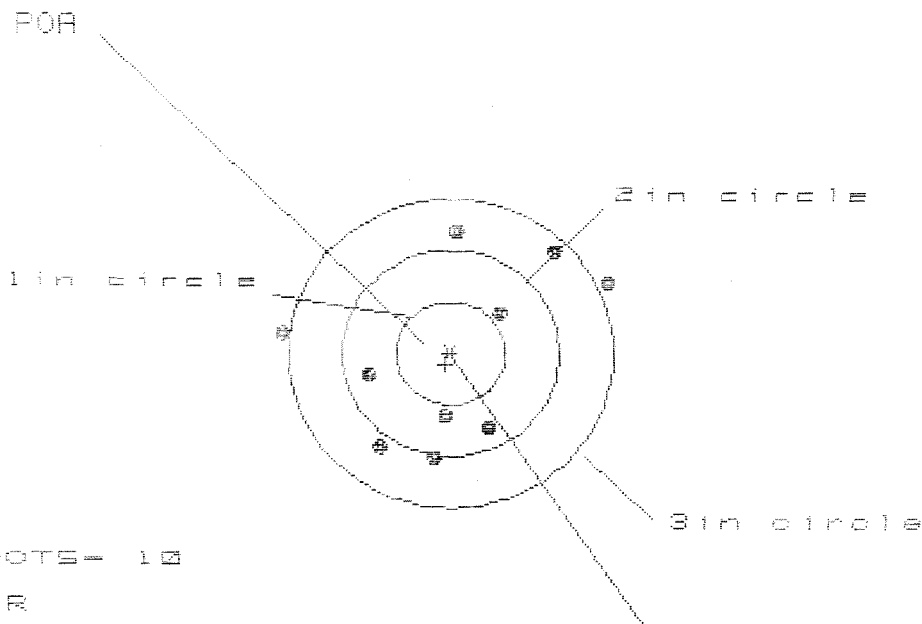
GS= 2.897

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	9
MAXIMUM X	1.135	1.244	1.094
MINIMUM X	-1.307	-1.198	-0.779
MAXIMUM Y	1.228	1.079	1.070
MINIMUM Y	-1.342	-1.114	-1.123
CENTROID X	.431	.322	.472
CENTROID Y	-.117	.032	.041
POA TO CENTROID in.	.446	.324	.474
MIN RADIUS	.117	.098	.072
MEAN RADIUS	1.029	.943	.899
MAX RADIUS	1.659	1.248	1.146
HORIZONTAL SPREAD	2.442	2.442	1.873
VERTICAL SPREAD	2.578	2.193	2.193
EXTREME SPREAD	2.897	2.449	2.248
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	9		

22 May 1995

FILE:/PATTERNING/CENTERFIRE_PATT/08225486

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1 in - 0

2 in - 4

3 in - 6

CENTROID #

HE = 3.002

VS = 2.213

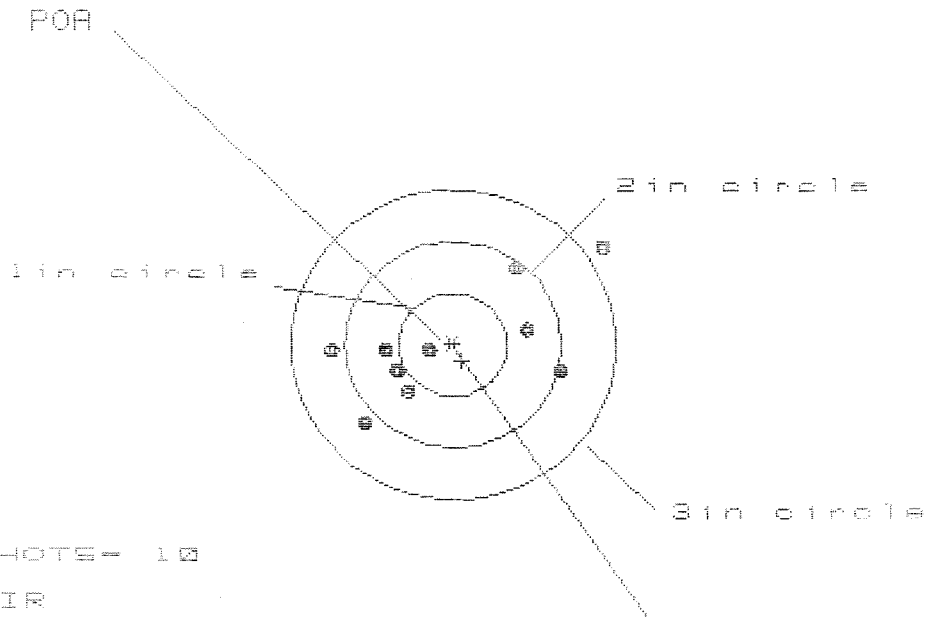
GS = 3.043

PATTERN #	4		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.414	1.238	.957
MINIMUM X	-1.588	-.897	-.743
MAXIMUM Y	1.157	1.178	1.266
MINIMUM Y	-1.056	-1.035	-.947
CENTROID X	.050	.226	.072
CENTROID Y	.109	.088	-.000
POR TO CENTROID in.	.120	.243	.072
MIN RADIUS	.597	.506	.491
MEAN RADIUS	1.064	.995	.916
MAX RADIUS	1.599	1.425	1.465
HORIZONTAL SPREAD	3.002	2.135	1.700
VERTICAL SPREAD	2.213	2.213	2.213
EXTREME SPREAD	3.043	2.626	2.521
NUMBER IN ONE INCH CIRCLE =		0	
NUMBER IN TWO INCH CIRCLE =		4	
NUMBER IN THREE INCH CIRCLE =		8	

22 May 1995

FILE:/PATTERNING/CENTERFIRE_PATT/C82254B6

CENTERFIRE PATTERNS # 5



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 7

3 in = 9

H= 2.459

V= 1.644

GS= 2.715

CENTROID #

PATTERN #	1	5	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.374	1.121	1.004
MINIMUM X	-1.085	-.932	-.751
MAXIMUM Y	.918	.825	.836
MINIMUM Y	-.726	-.624	-.613
CENTROID X	-.081	-.234	-.117
CENTROID Y	.152	.050	.039
POA TO CENTROID in.	.172	.239	.123
MIN RADIUS	.191	.078	.172
MEAN RADIUS	.838	.695	.687
MAX RADIUS	1.652	1.127	1.054
HORIZONTAL SPREAD	2.459	2.053	1.755
VERTICAL SPREAD	1.644	1.449	1.449
EXTREME SPREAD	2.715	2.063	2.011
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		9	