

G657 7877
Replaced
E 670 3518

Repair Inquiry

Repair Number: RE00113229

Serial: E6703518 Model M24 SWS Center Fire
Caliber: 7.62 NATO Produced: 08/21/2001

Repairman:

Verify Repair

Status:

Closed 6/5/2006 1:20:13 PM

Address Information

Customer:

Received From

Return To:

Received From

Name: NATIONAL GUARD MARKSMANSHIP TNG UNIT

NATIONAL GUARD MARKSMANSHIP TNG UNIT

Address 1: BLDG 4900 CAMP J T ROBINSON

BLDG 4900 CAMP J T ROBINSON

Address 2: ATTN TSGT SEAN WALLACE PO Box:

ATTN TSGT SEAN WALLACE PO Box:

City: NORTH LITTLE ROCK

NORTH LITTLE ROCK

State: AR Zip Code: 72199

Country: US

State: AR Zip Code: 72199

Country: US

FFL:

Contact / Condition

Problems

Estimate

History / Status

Shipping / Billing

Contact Information

Phone: NA

Fax:

Email:

Comments:

Received Condition

Fair

Condition
Notes:CSR
Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	3
A017	Scope Base	1
A057	Frt and Rear Sgt Base	1

Repair Search

Refresh

Close

nagletj

6/6/2006

7:54 AM

CAPS

NUM

INS

SCRL



Arms Services Repair ...

Part Search by Materi...

2 Microsoft Office O...



7:54 AM

G654 7277

~~E6703518~~

Serial Number: E6703518

Model: M24 SWS

RE00113229

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: G6577277.__0
FILE DATE AND TIME: 07/14/2006 17:21

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.230
The Average Y Centroid of the Five Target Set:	0.096
The Average Point of Impact of the Five Target Set:	0.249
The Average Mean Radius of the Five Target Set:	0.758
The Distance from POA to Centroid Target #1:	0.400
The Distance from Centroid Target #2 to Centroid Target #1:	0.040
The Distance from Centroid Target #3 to Centroid Target #1:	0.280
The Distance from Centroid Target #4 to Centroid Target #1:	0.401
The Distance from Centroid Target #5 to Centroid Target #1:	0.507

SERIAL NUMBER: G6577277. __0

TARGET NUMBER: 1

FILE DATE: 07/14/2006

FILE TIME: 17:21

X CENTROID: -0.217

Y CENTROID: 0.335

POA TO CENTROID: 0.400

HORZ SPREAD: 0.978

VERT SPREAD: 3.018

GROUP SPREAD: 3.019

MIN RADIUS: 0.266

MAX RADIUS: 1.597

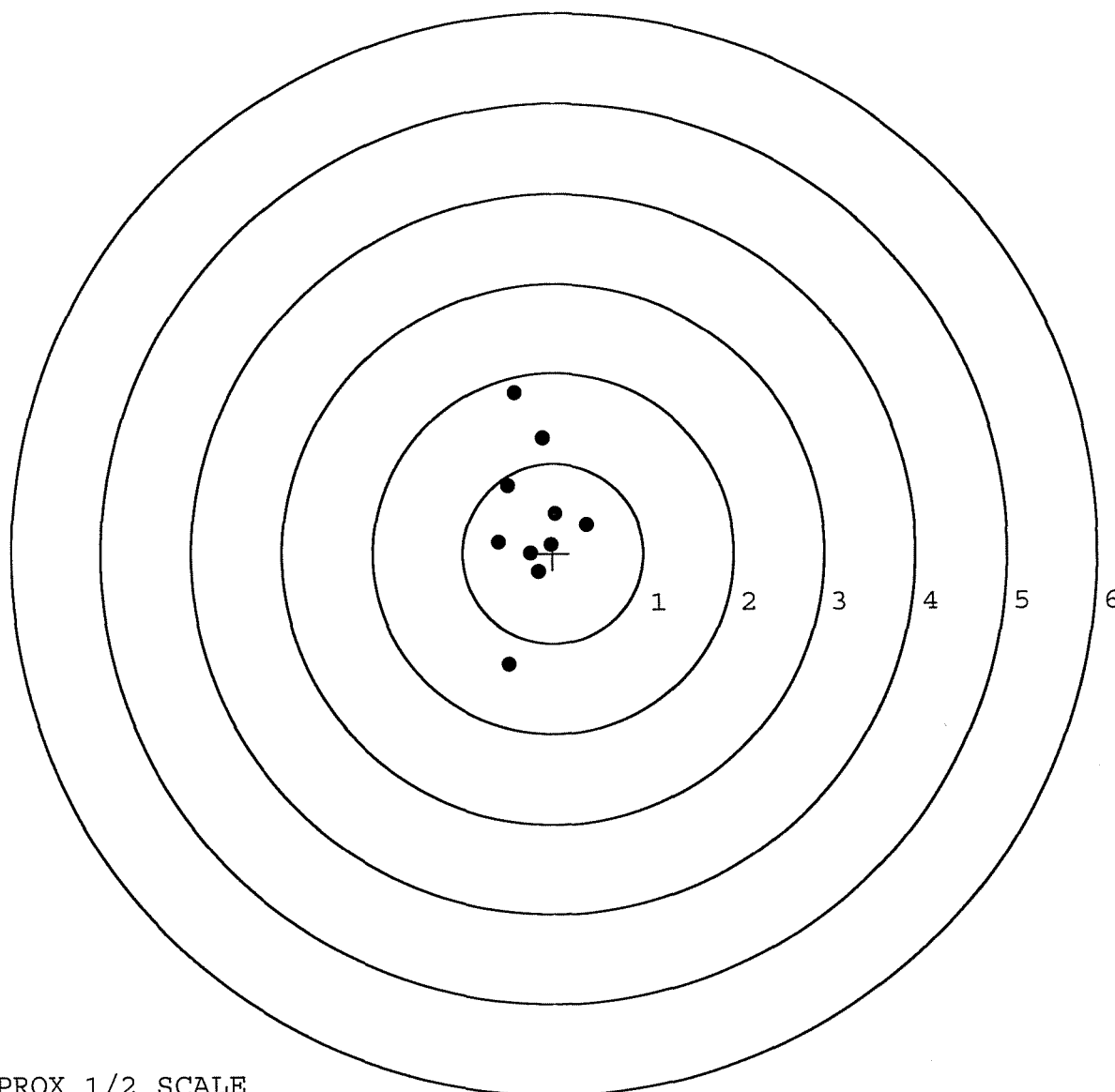
MEAN RADIUS: 0.700

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	-0.489	-1.238
2:	-0.165	-0.212
3:	-0.250	-0.004
4:	-0.021	0.098
5:	0.025	0.445
6:	-0.116	1.274
7:	-0.427	1.780
8:	-0.503	0.758
9:	-0.601	0.131
10:	0.377	0.323



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6577277. __0

TARGET NUMBER: 2

FILE DATE: 07/14/2006

FILE TIME: 17:21

X CENTROID: -0.249

Y CENTROID: 0.311

POA TO CENTROID: 0.399

HORZ SPREAD: 1.161

VERT SPREAD: 2.221

GROUP SPREAD: 2.249

MIN RADIUS: 0.295

MAX RADIUS: 1.436

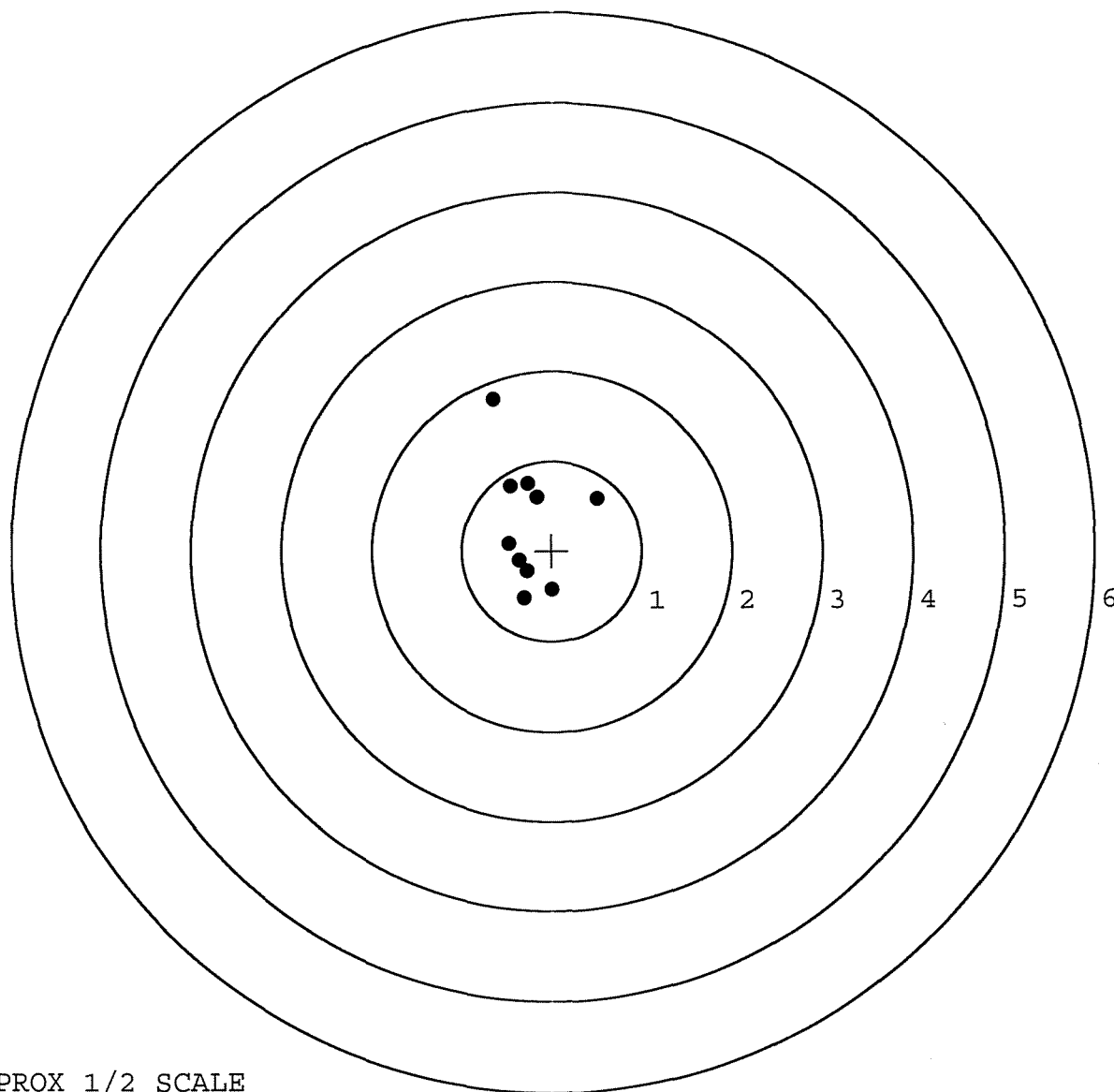
MEAN RADIUS: 0.637

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.659	1.688
2:	-0.463	0.722
3:	-0.268	0.750
4:	-0.172	0.596
5:	0.502	0.586
6:	-0.477	0.085
7:	-0.360	-0.109
8:	-0.279	-0.231
9:	-0.004	-0.440
10:	-0.308	-0.533



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6577277. 0

TARGET NUMBER: 3

FILE DATE: 07/14/2006

FILE TIME: 17:21

X CENTROID: -0.156

Y CENTROID: 0.062

POA TO CENTROID: 0.168

HORZ SPREAD: 2.431

VERT SPREAD: 2.497

GROUP SPREAD: 2.879

MIN RADIUS: 0.329

MAX RADIUS: 1.523

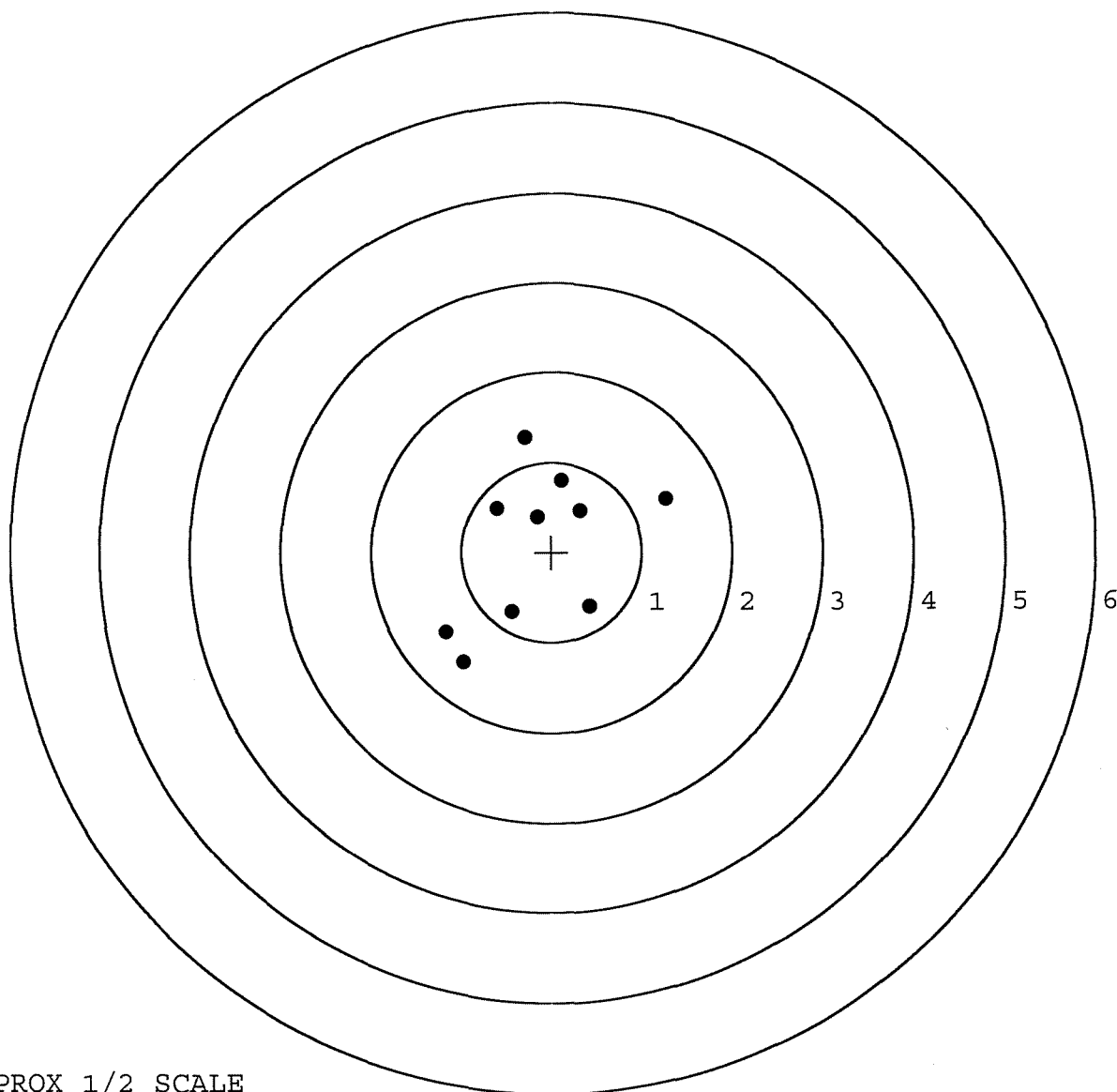
MEAN RADIUS: 0.966

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 8

POINT#	X	Y
1:	-1.170	-0.891
2:	-0.977	-1.221
3:	-0.446	-0.664
4:	0.422	-0.601
5:	1.261	0.590
6:	-0.165	0.391
7:	0.109	0.794
8:	-0.613	0.488
9:	-0.294	1.276
10:	0.315	0.460



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6577277. __0

TARGET NUMBER: 4

FILE DATE: 07/14/2006

FILE TIME: 17:21

X CENTROID: -0.246

Y CENTROID: -0.064

POA TO CENTROID: 0.255

HORZ SPREAD: 1.291

VERT SPREAD: 1.521

GROUP SPREAD: 1.941

MIN RADIUS: 0.309

MAX RADIUS: 1.095

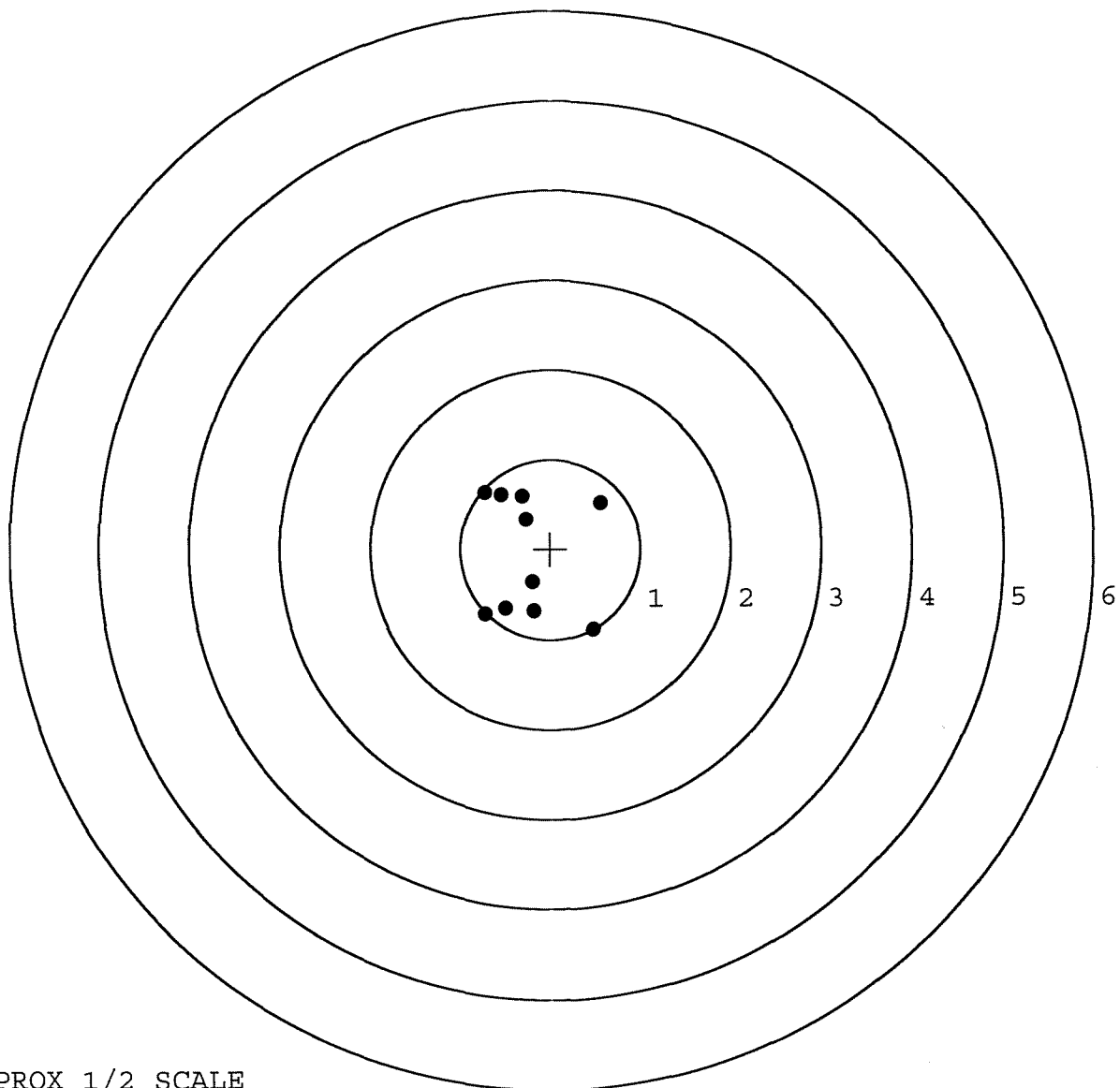
MEAN RADIUS: 0.712

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.732	-0.718
2:	-0.503	-0.659
3:	-0.204	-0.370
4:	-0.190	-0.687
5:	0.476	-0.887
6:	0.559	0.514
7:	-0.277	0.331
8:	-0.315	0.589
9:	-0.548	0.611
10:	-0.730	0.634



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6577277. 0

TARGET NUMBER: 5

FILE DATE: 07/14/2006

FILE TIME: 17:21

X CENTROID: -0.280

Y CENTROID: -0.167

POA TO CENTROID: 0.326

HORZ SPREAD: 1.740

VERT SPREAD: 2.426

GROUP SPREAD: 2.602

MIN RADIUS: 0.251

MAX RADIUS: 1.368

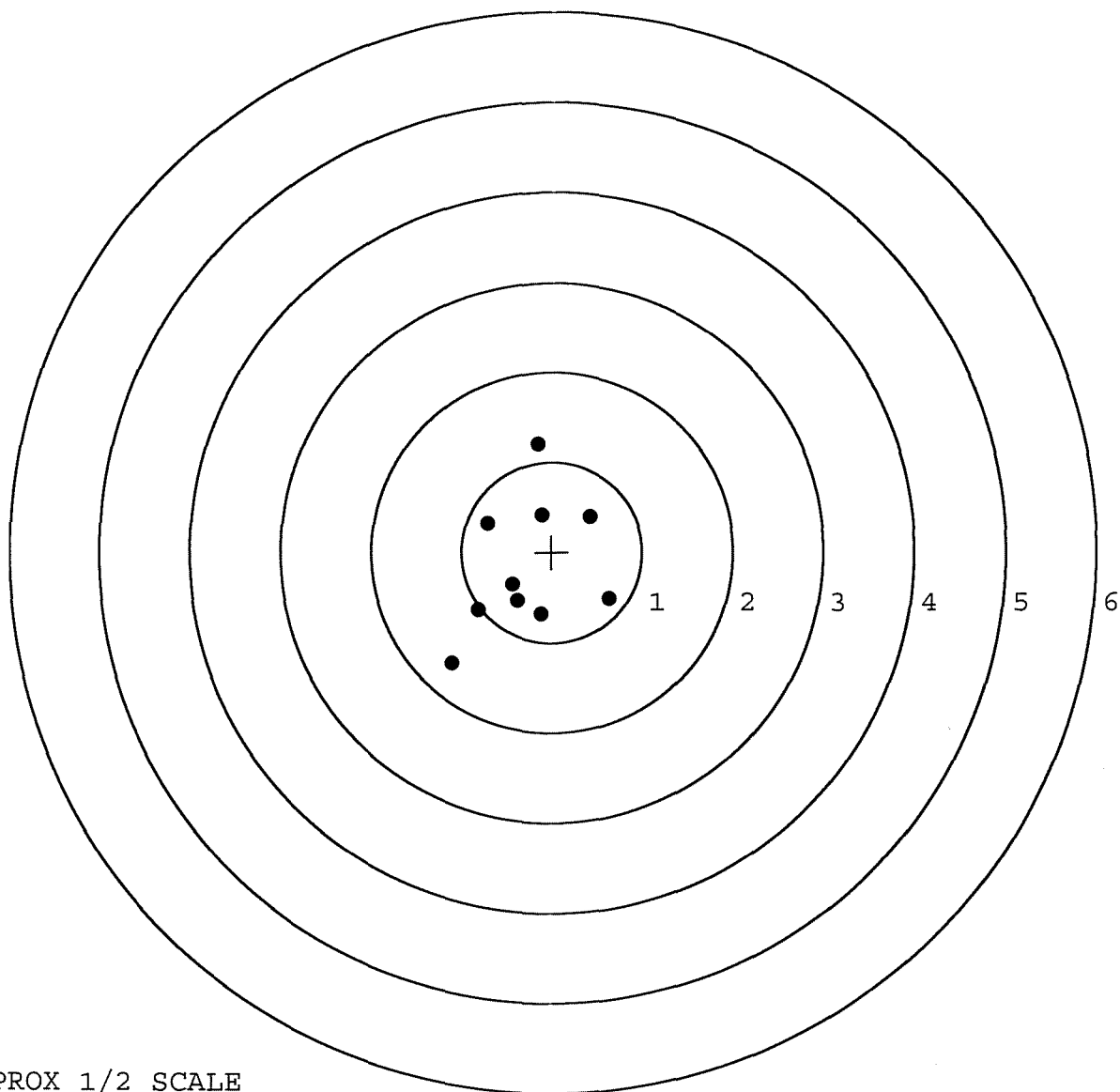
MEAN RADIUS: 0.775

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-1.106	-1.230
2:	-0.811	-0.646
3:	-0.385	-0.541
4:	-0.438	-0.362
5:	0.634	-0.519
6:	0.423	0.389
7:	-0.717	0.316
8:	-0.166	1.196
9:	-0.117	0.413
10:	-0.114	-0.689



TARGET APPROX 1/2 SCALE

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

R & E NUMBER	113229			
SERIAL NUMBER	16703548		60657 7277	
LOG-IN DATE	6-5-06			
OPERATION #	OPERATION NAME		DATE	INITIAL
500	DIS-ASSEMBLE GUN		7-5-06	RTL
505	RE-BARREL		7-5-06	BLC
560	ASSEMBLE		7-5-06	BLC
600	PROOF	MAGNA-FLUX INSPECTED	7-5-06	MTM
605	CHECK HEADSPACE	JUL 06 2006	7-5-06	MTM
610	DIS-ASSEMBLE GUN		7-6-06	BLC
612	MAGNAFLUX	OPERATOR <i>Wmms</i>	7-6-06	<i>Wmms</i>
510	DRILL AND TAP		7-6-06	TRW
615	ROLLMARK CALIBER		7-7-06	CW
618	ROTO-BLAST		7-7-06	LB
620	APPLY COATINGS		7-7	HP
625	FINAL ASSEMBLY		7-11-06	RT
640	FUNCTION TEST AND	<u>PASS</u> FAIL	7-14-06	<i>S.P.D.</i>
650	TARGET	<u>PASS</u> FAIL	7-14-06	<i>S.P.D.</i>
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
670	FINAL INSPECTION		7-27-06	AC
	A) HEADSPACE	<u>PASS</u> FAIL	7-27-06	AC
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	7-17-06	RTA
		2.77 2.68 2.56 2.42 2.49		
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS MAX	7-17-06	RTA
		6.2 6.5 6.5		
	G) SAFETY OFF FORCE	2 LBS MIN	7-17-06	RTA
		3.2 3.2 3.2		
	I) FIRING PIN INDENT	.020	7-17-06	RTA
		.022 .023 .023		
690	PACK		8-1-06	RTA

Remington®

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

Made in Ilion, NY Reg. U.S. Pat & tm. Off. Marca Registrada Marque Deposee.

46



5716 E6703518

ORDER

25716

MODEL 700™ M24

UPC



0 47700 25716 7

ORDER

25716

MODEL 700™ M24

UPC



0 47700 25716 7

SERIAL NO.



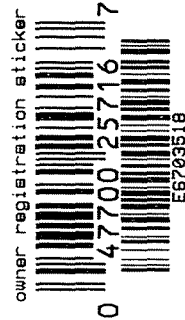
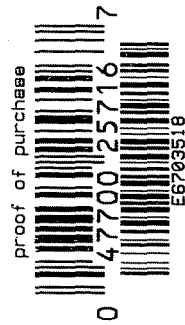
E6703518

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

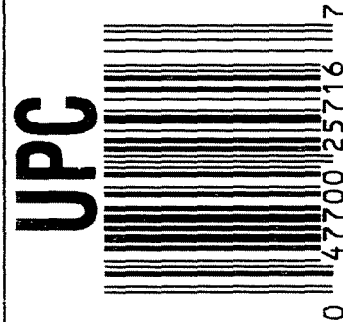


ORDER NO. 25716

BARREL LENGTH 24"

CAPACITY 6

E6703518



CONTRACT #

GUN SERIAL # E670 3518

OP #	OPERATION NAME	READINGS	DATE	INITIAL
575 & 580	ASSEMBLE ACTION AND STOCK		5-3-01	CK
600	PROOF		5-3-01	CK
607	CHECK HEADSPACE		5-3-01	CK
610	DIS-ASSEMBLE GUN		5-3-01	CK
612	MAGNAFLUX BBL ACTION MAGNAFLUX BOLT		5-1-01	CK
615	ROLLMARK CALIBER		5-1-01	CK
617	DRILL AND TAP SIGHT HOLES		5/1/01	CK
618	POLISH BARREL		5/1/01	CK
620	APPLY COATINGS (BARREL ACTION)		5/1/01	CK
	(BOLT)		5/1/01	TA
625	FINAL ASSEMBLY			
	A) CLEAN INSIDE OF BOLT ASSEMBLY		5/2/01	2th
	B) INSPECT REAR FIRING PIN HOLE FOR CHAMFER IN BOLT HEAD		5/2/01	2th
	C) INSPECT EJECTOR HOLE FOR CHAMFER		5/2/01	2th
	D) OIL FIRING PIN ASSEMBLY		5/2/01	2th
	E) ADJUST TRIGGER PULL TO MIN. SETTING AND STAKE		5/2/01	2th

OP #	OPERATION NAME	READINGS	DATE	INITIAL
625	F) SAFETY ON FORCE	<u>6.5</u> <u>6.9</u> <u>6.9</u>	6/4/01	DA
CONT.			"	"
	G) SAFETY OFF FORCE	<u>2.5</u> <u>2.5</u> <u>2.5</u>		
	H) TRIGGER PULL TEST AND RETAINABILITY		6-4-01	RL
	I) FIRING PIN INDENT	<u>.022</u> <u>.021</u> <u>.022</u>	4/4/01	DA
	J) ASSEMBLE STOCK		5-3-01	C/K
	K) ASSEMBLE SWIVEL STUDS		8-16-01	RL
	L) ATTACH FRONT AND REAR SIGHT ASSY'S		11	RL
	M) IRON SIGHT ALIGNMENT		11	RL
	N) DETACH FRONT AND REAR SIGHTS AND PLACE IN NUMBERED CONTAINER		11	RL
640	GALLERY TEST AND TARGET		5/9/01	RW
	A) MALFUNCTIONS		5/9/01	RW
	B) PIERCED PRIMERS		5/09/01	RW
645	INSPECT FOR LIVE AMMO		5/9/01	RW
655	FINAL INSPECTION A) HEADSPACE		6/4/01	RL
	B) TRIGGER PULL	<u>225</u> <u>227</u> <u>224</u> <u>231</u> <u>235</u>	6-4-01	RL
	C) FUNCTION		4/4/01	RL
660	PACK		8/16/01	RL

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. E6703518DATE 5/3/01TESTER DA

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.26	2.66		2.69	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.35	2.61		2.52	
PULL #3	2.50	2.63		2.57	
PULL #4	2.34	2.74		2.45	
PULL #5	2.56	2.63		2.57	
TOTAL	1201	1327		1280	
AVG.	2.40	2.65		2.56	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.08	3.00		
PULL #2	3.11	2.96		
PULL #3	3.16	3.16		
PULL #4	3.00	2.97		
PULL #5	2.98	2.90		
TOTAL	1533	1499		
AVG.	3.06	2.99		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.06	4.09		4.24
PULL #2	4.01	4.08		4.49
PULL #3	4.00	4.11		4.49
PULL #4	4.00	4.00		4.50
PULL #5	3.92	4.15		4.50
TOTAL	1999	2043		2222
AVG.	3.99	4.08		4.44

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # e6703518
11 May 2001

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.053
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.2354
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .241293

THE AMR FOR THIS RIFLE IS: .9018

CENTROIDAL DISTANCES

0	TO	1	.581489
1	TO	2	.508087
1	TO	3	.405153
1	TO	4	.584778
1	TO	5	.283129

2⁴ <----POA
3
5
1

PATTERN #: ☐ 1 ☐

POA TO CENTROID: .581

MIN RADIUS : .434

MEAN RADIUS : 1.022

MAX RADIUS : 2.256

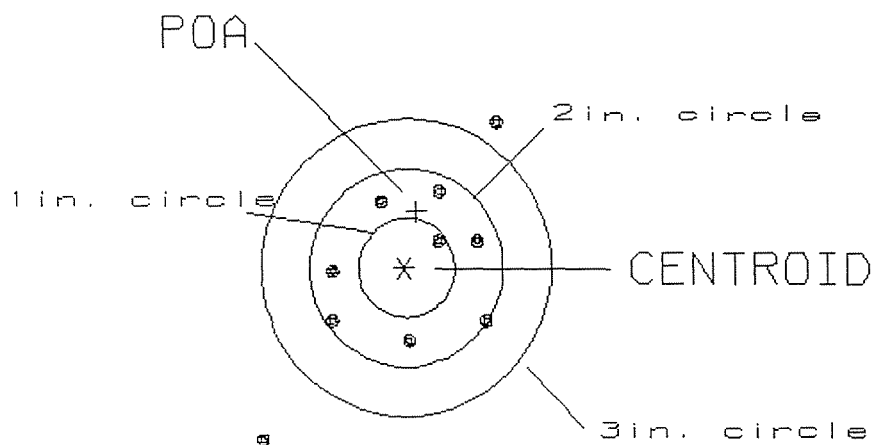
CENTROID X : -.129

CENTROID Y : -.567

11 May 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6703518

CENTERFIRE PATTERN # 1



OF SHOTS= 10

IN CIRCLE

HS= 2.35

1

VS= 3.25

8

GS= 4.01

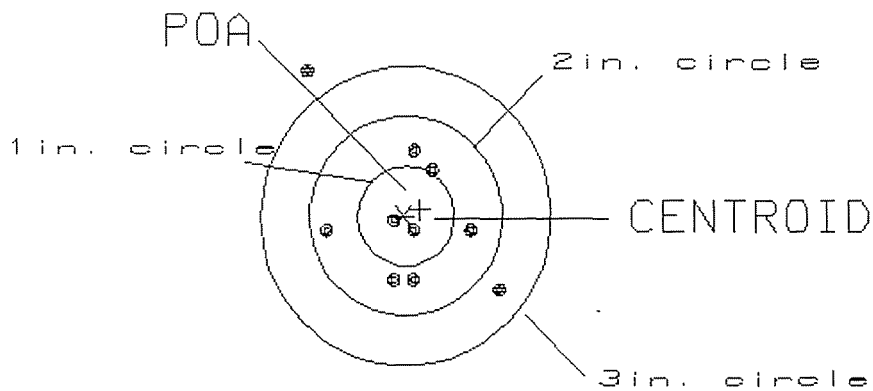
8

PATTERN #: 2
 POA TO CENTROID: .185
 MIN RADIUS : .113
 MEAN RADIUS : .731
 MAX RADIUS : 1.812
 CENTROID X : -.175
 CENTROID Y : -.061

11 May 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6703518

CENTERFIRE PATTERN # 2



OF SHOTS= 10

IN CIRCLE

HS= 1.94
 VS= 2.27
 GS= 2.99

3
 6
 9

REMINGTON CENTERFIRE ACCURACY TEST

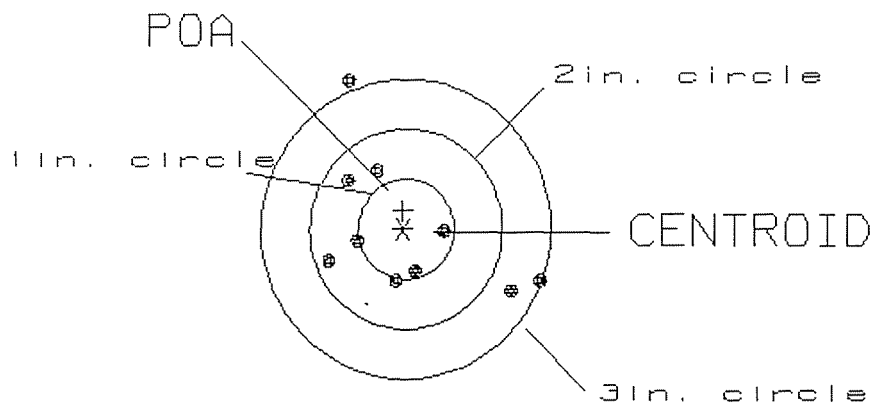
REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: 3
 POA TO CENTROID: .186
 MIN RADIUS : .374
 MEAN RADIUS : .848
 MAX RADIUS : 1.593
 CENTROID X : .006
 CENTROID Y : -.185

11 May 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6703518

CENTERFIRE PATTERN # 3



OF SHOTS= 10

IN CIRCLE

HS= 2.19
 VS= 2.06
 GS= 2.86

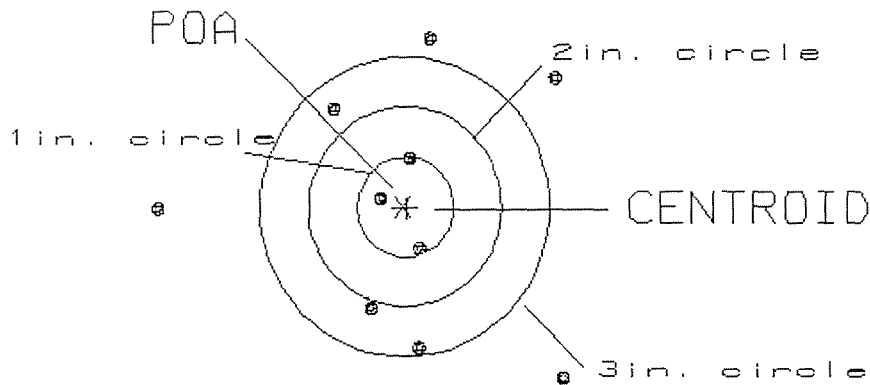
3
 7
 8

PATTERN #: ☐ 4 ☐
 POA TO CENTROID: .048
 MIN RADIUS : .261
 MEAN RADIUS : 1.356
 MAX RADIUS : 2.503
 CENTROID X : -.047
 CENTROID Y : .012

11 May 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6703518

CENTERFIRE PATTERN # 4



OF SHOTS= 10

IN CIRCLE

HS= 4.15
 VS= 3.43
 GS= 4.50

3
 3
 6

REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: ☐ 5 ☐

POA TO CENTROID: .385

MIN RADIUS : .197

MEAN RADIUS : .552

MAX RADIUS : .941

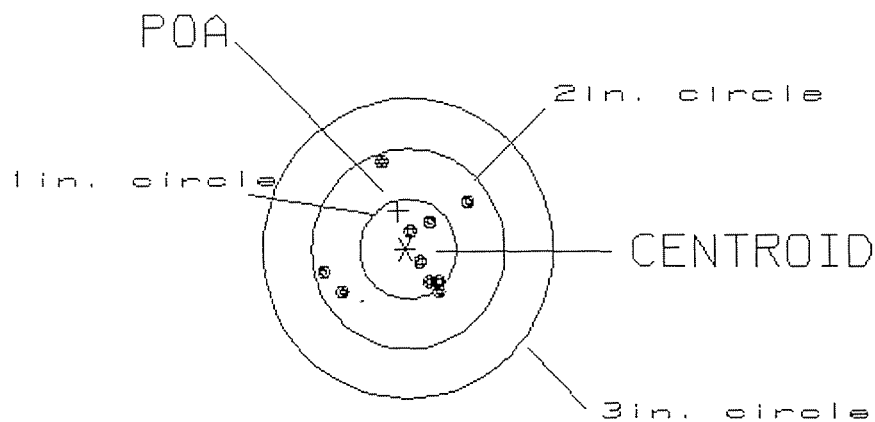
CENTROID X : .080

CENTROID Y : -.376

11 May 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6703518

CENTERFIRE PATTERN # 5



OF SHOTS= 10

IN CIRCLE

HS= 1.44

5

VS= 1.31

10

GS= 1.60

10