

G657 7310
Raphaello
E 676 3569

Repair Inquiry

Repair Number: RE00113232

Serial: E6703509 Model M24 SWS Center Fire
Caliber: 7.62 NATO Produced: 08/21/2001

Repairman:

Status:

Closed 6/5/2006 1:20:02 PM

Verify Repair

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	Fit and Rear Sgt Base	1

Repair Search

Refresh

Close

naglet

6/6/2006

7:54 AM

CAPS

NUM

INS

SCRL



Arms Services Repair ...

Part Search by Materi...

2 Microsoft Office O...

7:54 AM

G6577310

Serial Number: **E6703509**

Model: M24 SWS

RE00113232

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: G6577310.___0
FILE DATE AND TIME: 07/17/2006 16:11

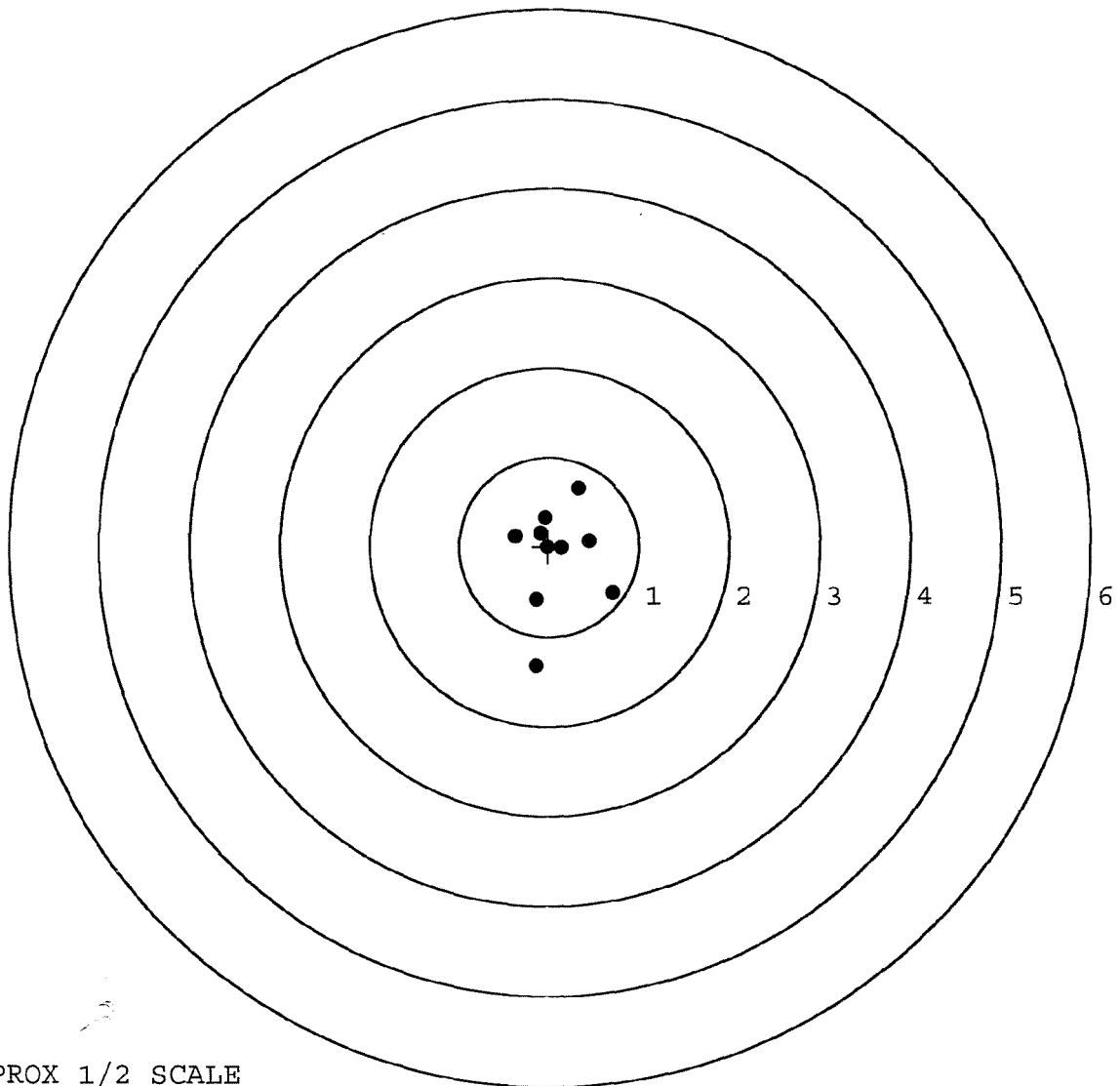
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.191
The Average Y Centroid of the Five Target Set:	-0.134
The Average Point of Impact of the Five Target Set:	0.234
The Average Mean Radius of the Five Target Set:	0.880
The Distance from POA to Centroid Target #1:	0.144
The Distance from Centroid Target #2 to Centroid Target #1:	0.305
The Distance from Centroid Target #3 to Centroid Target #1:	0.094
The Distance from Centroid Target #4 to Centroid Target #1:	0.297
The Distance from Centroid Target #5 to Centroid Target #1:	0.426

SERIAL NUMBER: G6577310. __0
 TARGET NUMBER: 1
 FILE DATE: 07/17/2006
 FILE TIME: 16:11

POINT#	X	Y
1:	0.328	0.656
2:	-0.375	0.115
3:	-0.045	0.323
4:	0.449	0.063
5:	-0.016	-0.011
6:	-0.137	-0.596
7:	0.716	-0.522
8:	-0.136	-1.328
9:	0.143	-0.018
10:	-0.089	0.147

X CENTROID: 0.084
 Y CENTROID: -0.117
 POA TO CENTROID: 0.144
 HORZ SPREAD: 1.091
 VERT SPREAD: 1.984
 GROUP SPREAD: 2.038
 MIN RADIUS: 0.115
 MAX RADIUS: 1.231
 MEAN RADIUS: 0.528
 # IN 1 IN DIAMETER: 5
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 10



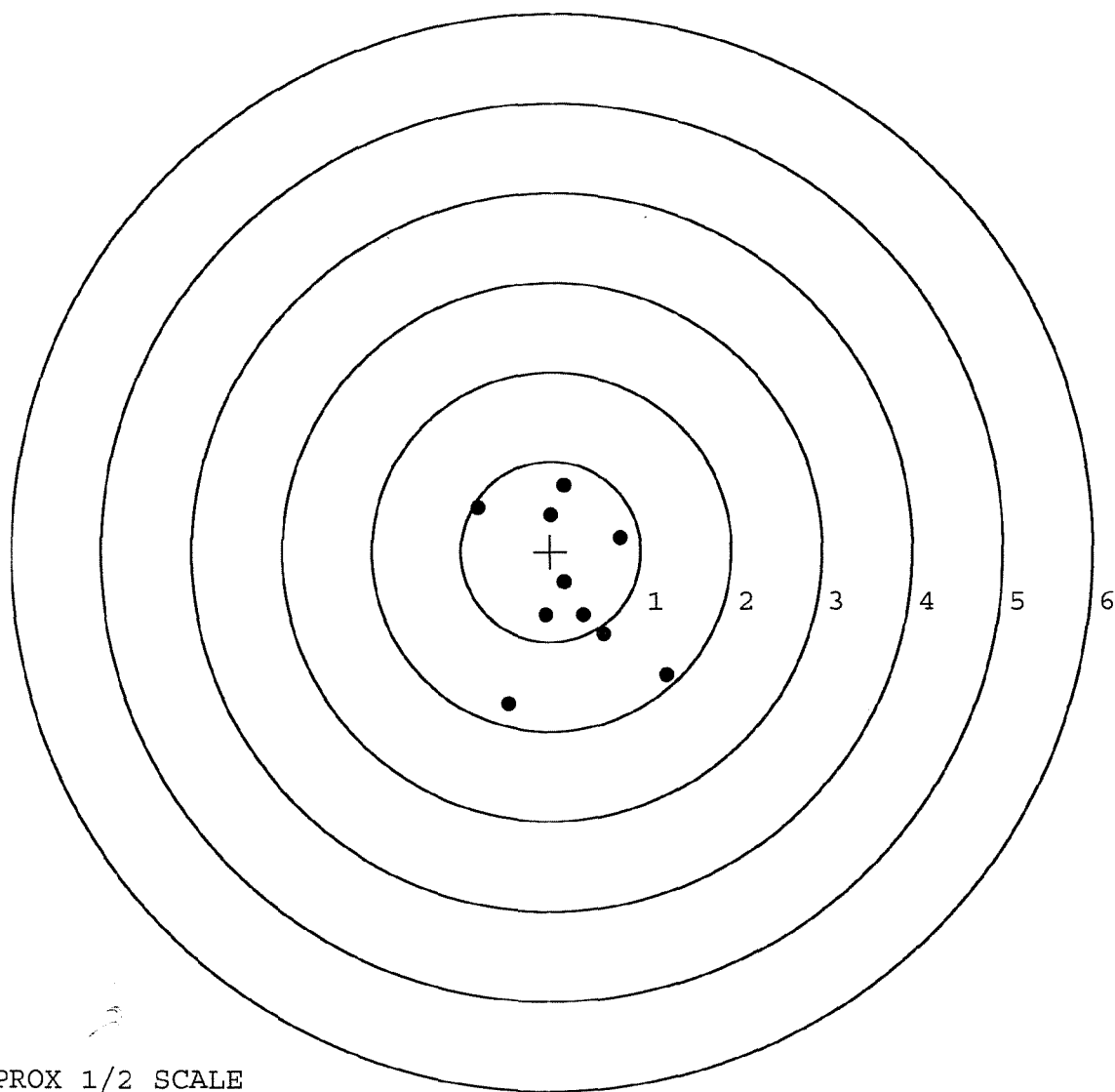
TARGET APPROX 1/2 SCALE

BARBER - M24 0088301

SERIAL NUMBER: G6577310. __0
 TARGET NUMBER: 2
 FILE DATE: 07/17/2006
 FILE TIME: 16:11

POINT#	X	Y
1:	0.159	-0.345
2:	-0.057	-0.708
3:	0.364	-0.708
4:	0.595	-0.917
5:	-0.456	-1.704
6:	-0.818	0.485
7:	-0.003	0.403
8:	0.148	0.728
9:	0.771	0.154
10:	1.292	-1.379

X CENTROID: 0.199
 Y CENTROID: -0.399
 POA TO CENTROID: 0.446
 HORZ SPREAD: 2.110
 VERT SPREAD: 2.432
 GROUP SPREAD: 2.815
 MIN RADIUS: 0.068
 MAX RADIUS: 1.468
 MEAN RADIUS: 0.850
 # IN 1 IN DIAMETER: 3
 # IN 2 IN DIAMETER: 6
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6577310. 0

TARGET NUMBER: 3

FILE DATE: 07/17/2006

FILE TIME: 16:11

X CENTROID: 0.177

Y CENTROID: -0.107

POA TO CENTROID: 0.207

HORZ SPREAD: 1.705

VERT SPREAD: 2.839

GROUP SPREAD: 2.842

MIN RADIUS: 0.336

MAX RADIUS: 1.562

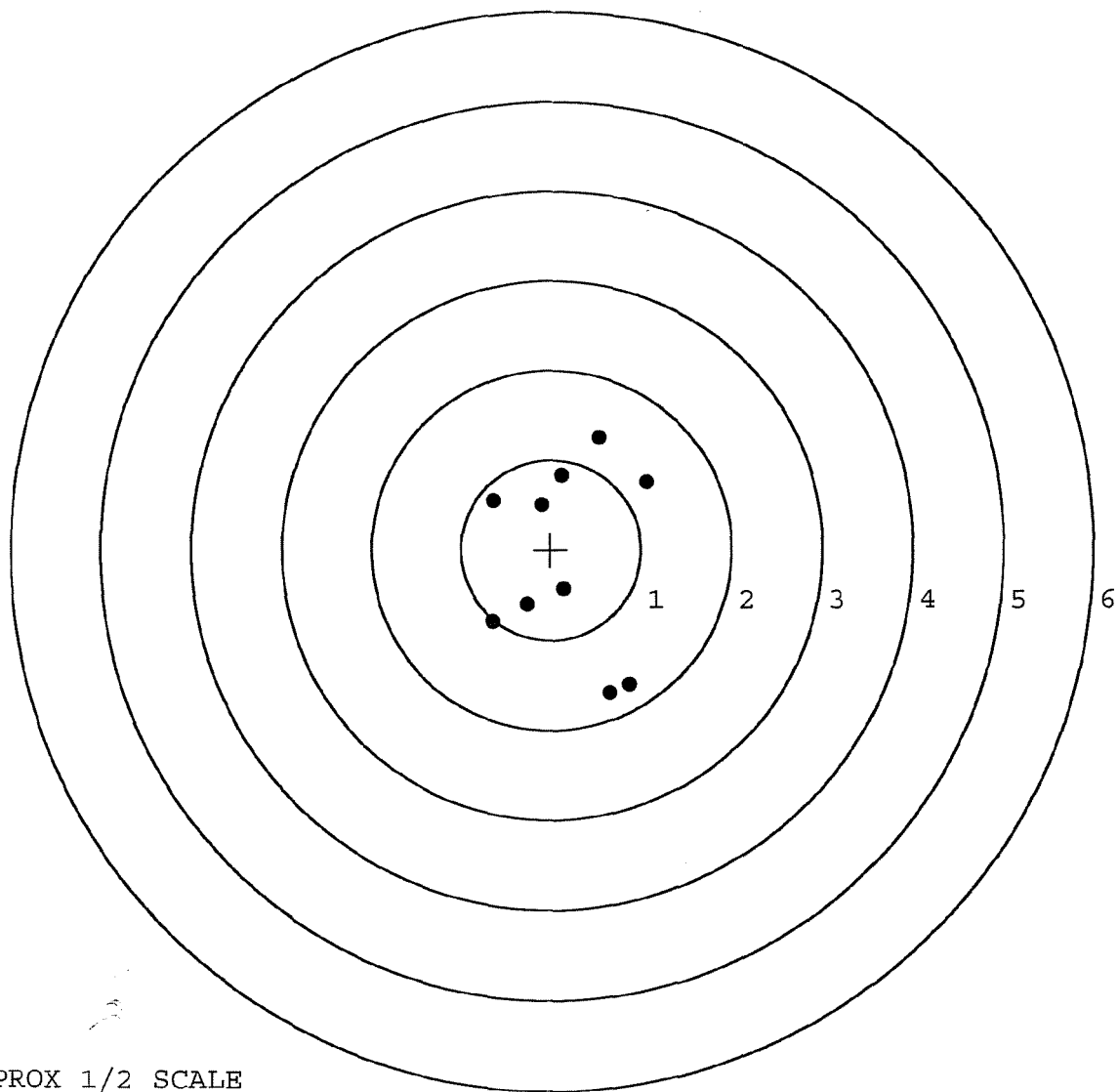
MEAN RADIUS: 1.048

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 4

in 3 IN DIAMETER: 8

POINT#	X	Y
1:	-0.103	0.497
2:	0.121	0.830
3:	-0.641	0.544
4:	0.532	1.247
5:	1.063	0.758
6:	0.152	-0.442
7:	-0.254	-0.619
8:	-0.642	-0.803
9:	0.883	-1.491
10:	0.663	-1.592



TARGET APPROX 1/2 SCALE

BARBER - M24 0088303

SERIAL NUMBER: G6577310. 0

TARGET NUMBER: 4

FILE DATE: 07/17/2006

FILE TIME: 16:11

POINT#	X	Y
1:	-0.639	-0.101
2:	-0.643	-0.051
3:	-0.213	-0.093
4:	-0.111	-0.254
5:	0.027	-0.459
6:	0.675	-1.907
7:	0.536	-1.067
8:	1.031	-0.437
9:	1.194	0.038
10:	0.964	0.952

X CENTROID: 0.282

Y CENTROID: -0.338

POA TO CENTROID: 0.440

HORZ SPREAD: 1.837

VERT SPREAD: 2.859

GROUP SPREAD: 2.874

MIN RADIUS: 0.282

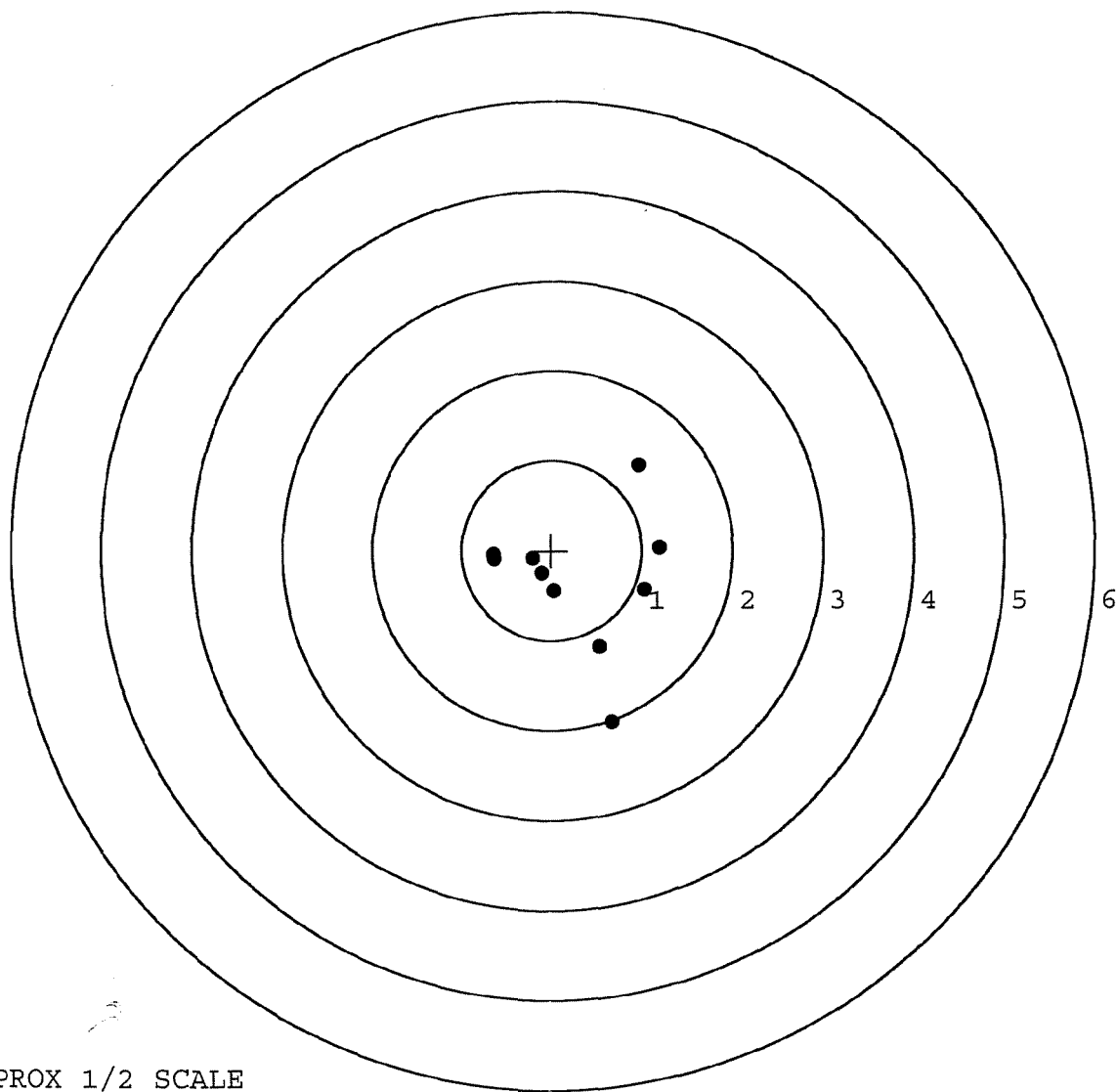
MAX RADIUS: 1.618

MEAN RADIUS: 0.875

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 9



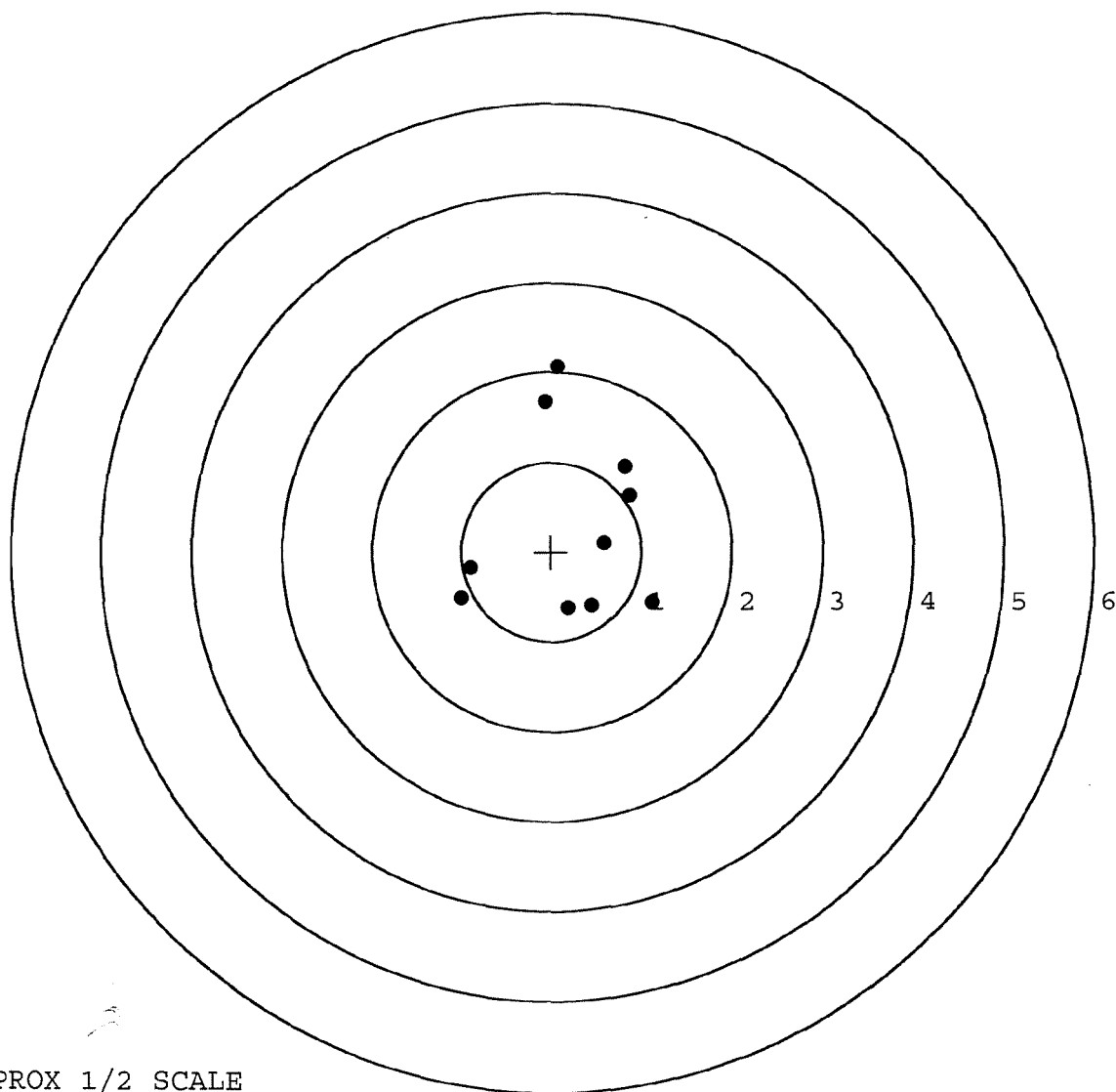
TARGET APPROX 1/2 SCALE

BARBER - M24 0088304

SERIAL NUMBER: G6577310. __0
 TARGET NUMBER: 5
 FILE DATE: 07/17/2006
 FILE TIME: 16:11

POINT#	X	Y
1:	-0.082	1.660
2:	0.061	2.057
3:	0.811	0.957
4:	0.873	0.637
5:	0.589	0.094
6:	0.197	-0.627
7:	0.449	-0.601
8:	1.119	-0.570
9:	-0.894	-0.189
10:	-1.001	-0.530

X CENTROID: 0.212
 Y CENTROID: 0.289
 POA TO CENTROID: 0.358
 HORZ SPREAD: 2.120
 VERT SPREAD: 2.684
 GROUP SPREAD: 2.832
 MIN RADIUS: 0.424
 MAX RADIUS: 1.775
 MEAN RADIUS: 1.100
 # IN 1 IN DIAMETER: 1
 # IN 2 IN DIAMETER: 5
 # in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

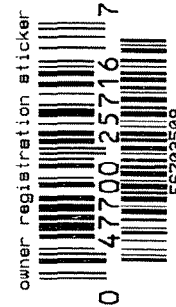
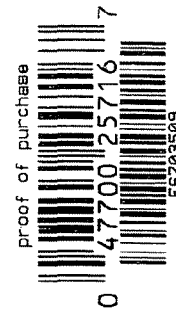
R & E NUMBER	113232	66577310	
SERIAL NUMBER	E6703509		
LOG-IN DATE	6-5-06		
OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	7-5-06	RTL
505	RE-BARREL	7-5-06	RLC
560	ASSEMBLE	7-5-06	RLC
600	PROOF	7-5-06	MTM
605	CHECK HEADSPACE	7-5-06	MTM
610	DIS-ASSEMBLE GUN	7-6-06	RLC
612	MAGNAFLUX	7/6/06	WMS
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	RTL
640	FUNCTION TEST AND	PASS FAIL 7-17-06	MTM
650	TARGET	PASS FAIL 7-17-06	MTM
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION	7-22-06	AC
	A) HEADSPACE	PASS FAIL 7-27-06	AC
	B) TRIGGER PULL	270 2.85 2.84 2.88 2.89 7-17-06	DA
		2 LBS MIN 10 LBS MAX	
680	F) SAFETY ON FORCE	7.0 7.0 7.0 7-17-06	DA
		2 LBS MIN	
	G) SAFETY OFF FORCE	2.0 2.0 2.0 7-17-06	DA
	I) FIRING PIN INDENT	.020	
690	PACK	1.022 1.023 1.023 7-17-06	DA
		8-1-06	DA

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

DOCUMENT ENVELOPE ASSEMBLY:

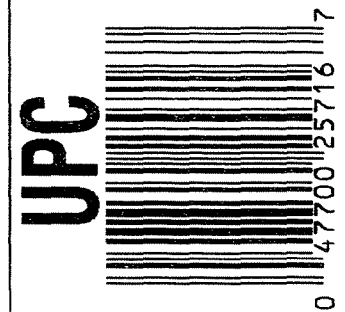
- INSTRUCTION BOOK
- PRODUCT OWNER'S CARD
- SAFETY BOOKLET

46 FORM 1444



ORDER NO.	25716
BARREL LENGTH	24"
CAPACITY	6

E6703509



Remington®

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

STANDARD REMINGTON MODEL 700
BOLT ACTION RIFLE
SALES LESS 10% DISCOUNT
EXCEPT

SERIAL NO. J
E6703509

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46

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21WV

5716 E6703509

ORDER 25716
MODEL 700™ M24

UPC



ORDER 25716
MODEL 700™ M24

UPC



SERIAL NO.



GUN SERIAL #

E6763509

OP #	OPERATION NAME	READINGS	DATE	INITIAL
575 & 580	ASSEMBLE ACTION AND STOCK		4-2-01	CK
600	PROOF		7-2-01	CK
607	CHECK HEADSPACE		4-2-01	CK
610	DIS-ASSEMBLE GUN		4-2-01	CK
612	MAGNAFLUX BBL ACTION MAGNAFLUX BOLT		4-3-01	CK
615	ROLLMARK CALIBER		11	CK
617	DRILL AND TAP SIGHT HOLES		4-3-01	CK
618	POLISH BARREL			
620	APPLY COATINGS (BARREL ACTION)		4-4-01	TA
	(BOLT)		12	CK
625	FINAL ASSEMBLY A) CLEAN INSIDE OF BOLT ASSEMBLY		4-2-01	CK
	B) INSPECT REAR FIRING PIN HOLE FOR CHAMFER IN BOLT HEAD		11	CK
	C) INSPECT EJECTOR HOLE FOR CHAMFER		11	CK
	D) OIL FIRING PIN ASSEMBLY		11	CK
	E) ADJUST TRIGGER PULL TO MIN. SETTING AND STAKE		11	CK

OF BARBER M24 0088348		READINGS			DATE	INITIAL
625	F) SAFETY ON FORCE	<u>5²⁵</u>	<u>5²⁵</u>	<u>5²⁵</u>	4/30/01	RH
CONT.						
	G) SAFETY OFF FORCE	<u>3⁰</u>	<u>3²⁵</u>	<u>3⁰</u>	4/30/01	RH
	H) TRIGGER PULL TEST AND RETAINABILITY					
	I) FIRING PIN INDENT	<u>0²⁵</u>	<u>0²⁵</u>	<u>0²⁴</u>	4/30/01	RH
	J) ASSEMBLE STOCK				4-2-01	CL
	K) ASSEMBLE SWIVEL STUDS				8/14/01	CK
	L) ATTACH FRONT AND REAR SIGHT ASSY'S				"	CK
	M) IRON SIGHT ALIGNMENT				"	CK
	N) DETACH FRONT AND REAR SIGHTS AND PLACE IN NUMBERED CONTAINER				8/14/01	RH
640	GALLERY TEST AND TARGET				4/24/01	RH
	A) MALFUNCTIONS				4/24/01	RH
	B) PIERCED PRIMERS				4/24/01	RH
645	INSPECT FOR LIVE AMMO				4/24/01	RH
655	FINAL INSPECTION A) HEADSPACE				8/14/01	RH
	B) TRIGGER PULL	<u>234</u>	<u>231</u>	<u>229</u> <u>223</u> <u>230</u>	4/30/01	RH
	C) FUNCTION					
660	PACK				8/14/01	RH

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#
3.00# ± .75#
4.00# ± 1.00#

SERIAL NO. E670 3509DATE 3/31/01TESTER SF

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	2.34	2.40	2.48	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.32	2.35	2.36	
PULL #3	2.37	2.32	2.19	
PULL #4	2.38	2.33	2.40	
PULL #5	2.36	2.31	2.39	
TOTAL	11.79	11.71	11.82	
AVG.	2.35	2.34	2.37	

	3.00# INITIAL	3.00# AFTER 20 CYCLES	COMMENTS
PULL #1	3.88	3.82	
PULL #2	3.83	3.90	
PULL #3	3.84	3.58	
PULL #4	3.75	3.84	
PULL #5	3.79	3.89	
TOTAL	19.21	19.05	
AVG.	3.84	3.81	

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.39	4.44		4.53
PULL #2	4.45	4.43		4.59
PULL #3	4.46	4.50		4.55
PULL #4	4.41	4.36		4.58
PULL #5	4.48	4.46		4.72
TOTAL	22.19	22.19		23.03
AVG.	4.44	4.44		4.61

BARBER - M24 0088311

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # e6703509
24 Apr 2001

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.1134
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1826
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .214947

THE AMR FOR THIS RIFLE IS: 1.005

CENTROIDAL DISTANCES

Ø TO	1	.481132
1 TO	2	.401741
1 TO	3	.273386
1 TO	4	.409121
1 TO	5	.37388

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

BARBER - M24 0088312

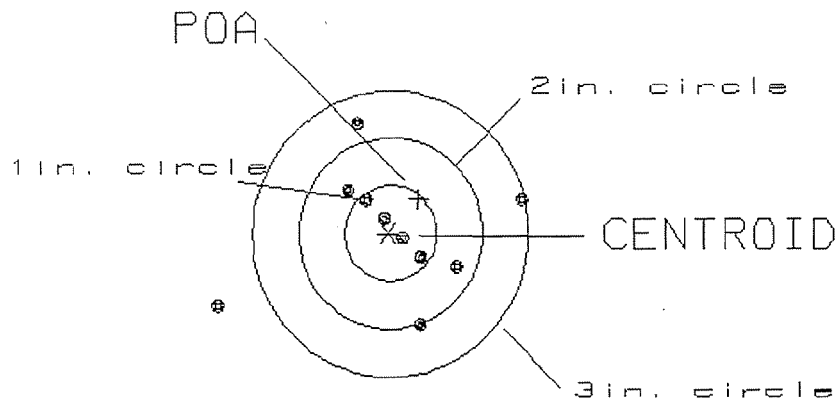
REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: ☐ 1 ☐
POA TO CENTROID: .481
MIN RADIUS : .123
MEAN RADIUS : .837
MAX RADIUS : 1.979
CENTROID X : -.328
CENTROID Y : -.352

24 Apr 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6703509

CENTERFIRE PATTERN # 1

OF SHOTS= 10

IN CIRCLE

HS= 3.31

4

VS= 2.06

6

GS= 3.47

8

BARBER - M24 0088313

REMINGTON CENTERFIRE ACCURACY TEST

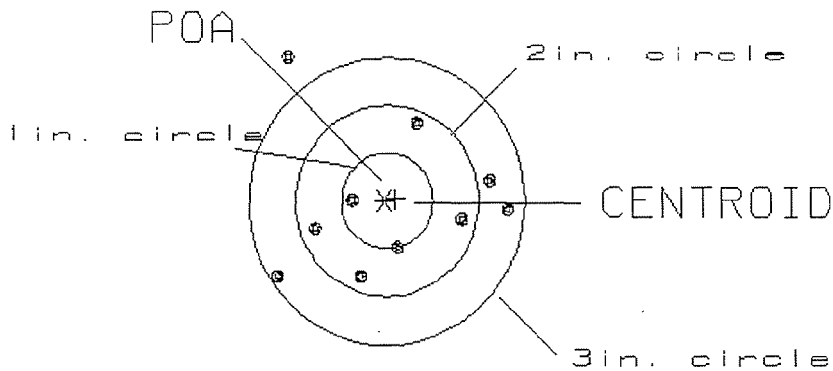
REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: ☐ 2 ☐
 POA TO CENTROID: .115
 MIN RADIUS : .424
 MEAN RADIUS : 1.014
 MAX RADIUS : 1.908
 CENTROID X : -.114
 CENTROID Y : -.012

24 Apr 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/eb703509

CENTERFIRE PATTERN # 2



OF SHOTS= 10

IN CIRCLE

HS= 2.51

2

VS= 2.30

6

GS= 2.95

9

BARBER - M24 0088314

REMINGTON CENTERFIRE ACCURACY TEST

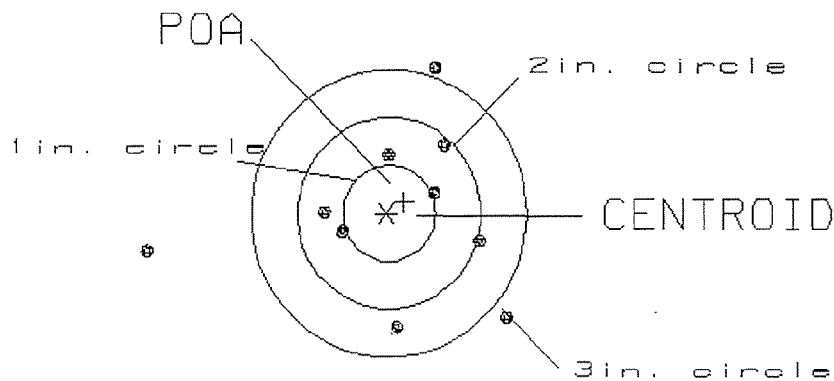
REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: 3

POA TO CENTROID: .223
MIN RADIUS : .546
MEAN RADIUS : 1.143
MAX RADIUS : 2.611
CENTROID X : -.190
CENTROID Y : -.116

24 Apr 2001

FILE:/Hqbasic/Accuracy/Patterning/Centerfire_Patt/e6703509

CENTERFIRE PATTERN # 3

OF SHOTS= 10

IN CIRCLE

HS= 3.86

0

VS= 2.66

5

GS= 3.92

7

BARBER - M24 0088315

REMINGTON CENTERFIRE ACCURACY TEST

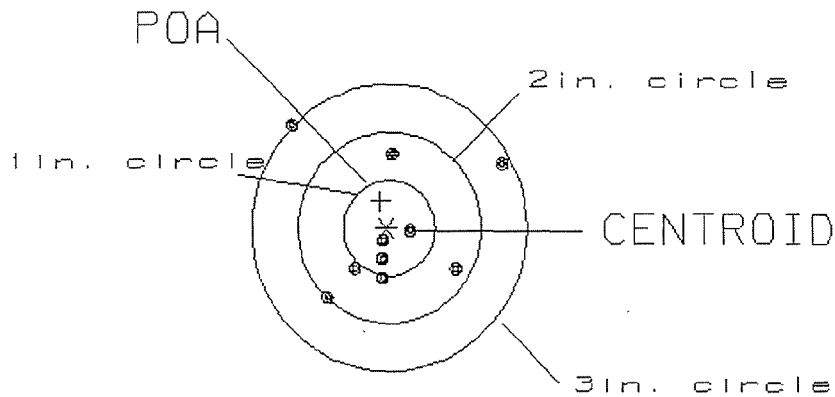
REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: ☐ 4 ☐
 POA TO CENTROID: .286
 MIN RADIUS : .102
 MEAN RADIUS : .722
 MAX RADIUS : 1.452
 CENTROID X : .074
 CENTROID Y : -.276

24 Apr 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/eb703509

CENTERFIRE PATTERN # 4



OF SHOTS= 10

IN CIRCLE

HS= 2.26

3

VS= 1.77

7

GS= 2.40

10

BARBER - M24 0088316

REMINGTON CENTERFIRE ACCURACY TEST

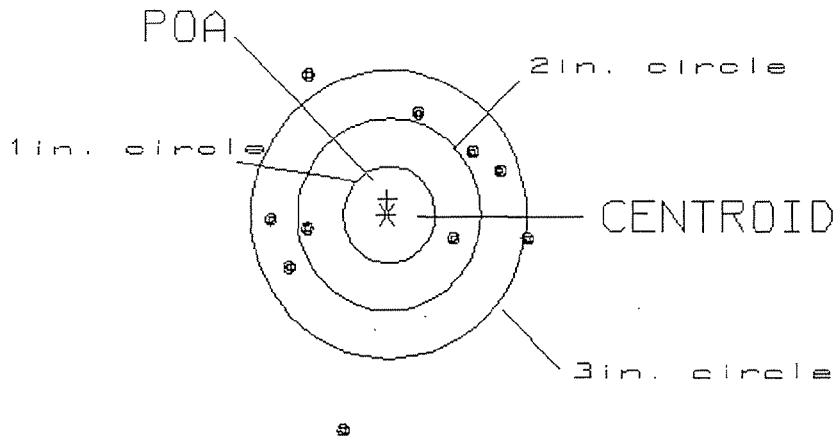
REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: 5

POA TO CENTROID: .157
MIN RADIUS : .715
MEAN RADIUS : 1.311
MAX RADIUS : 2.323
CENTROID X : -.009
CENTROID Y : -.157

24 Apr 2001

FILE:/Hqbasic/Accuracy/Patterning/Centerfire_Patt/e6703509

CENTERFIRE PATTERN # 5

OF SHOTS= 10

IN CIRCLE

HS= 2.76

0

VS= 3.79

2

GS= 3.81

7