

6657 7310
Rapha
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

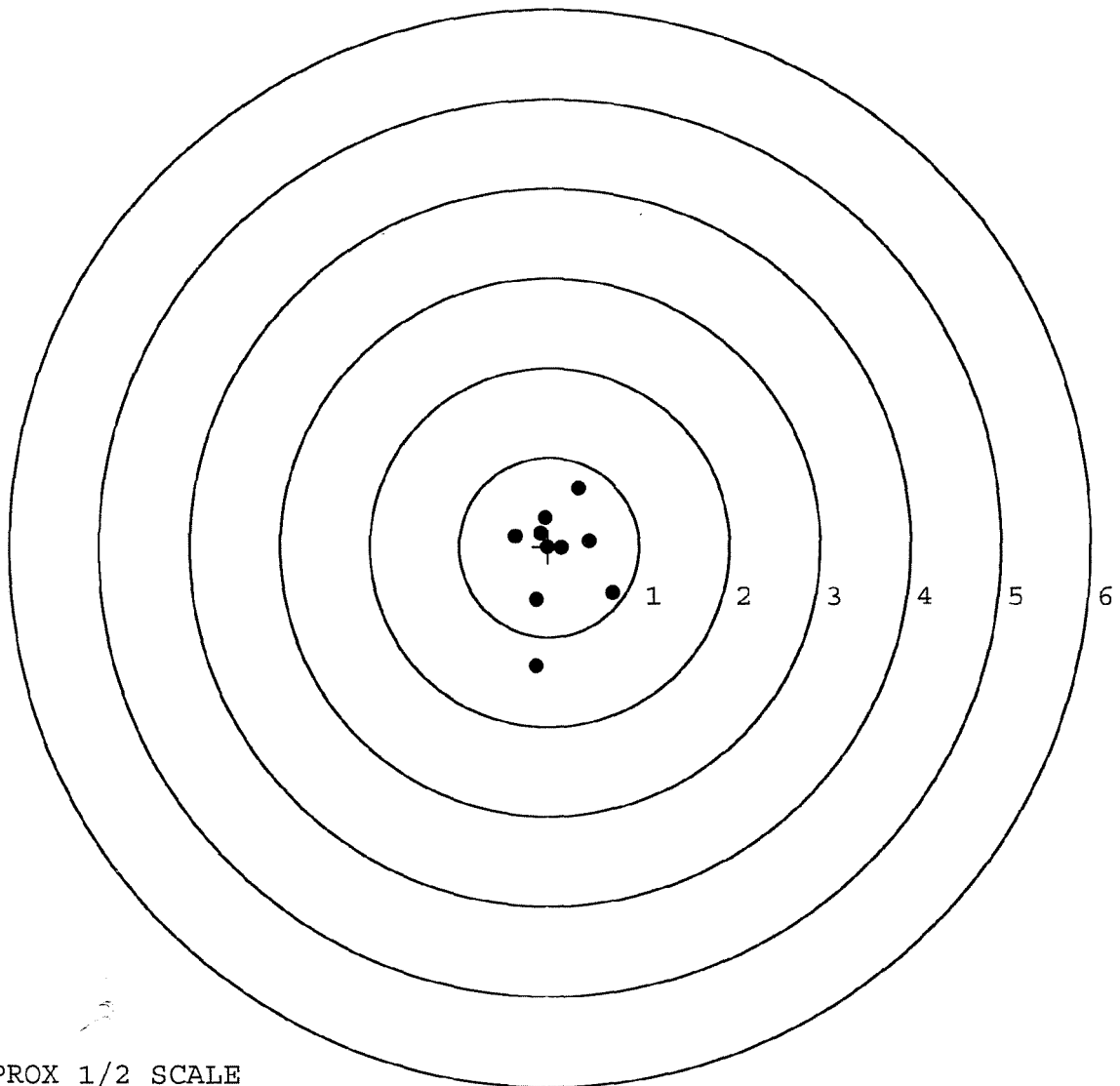
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

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

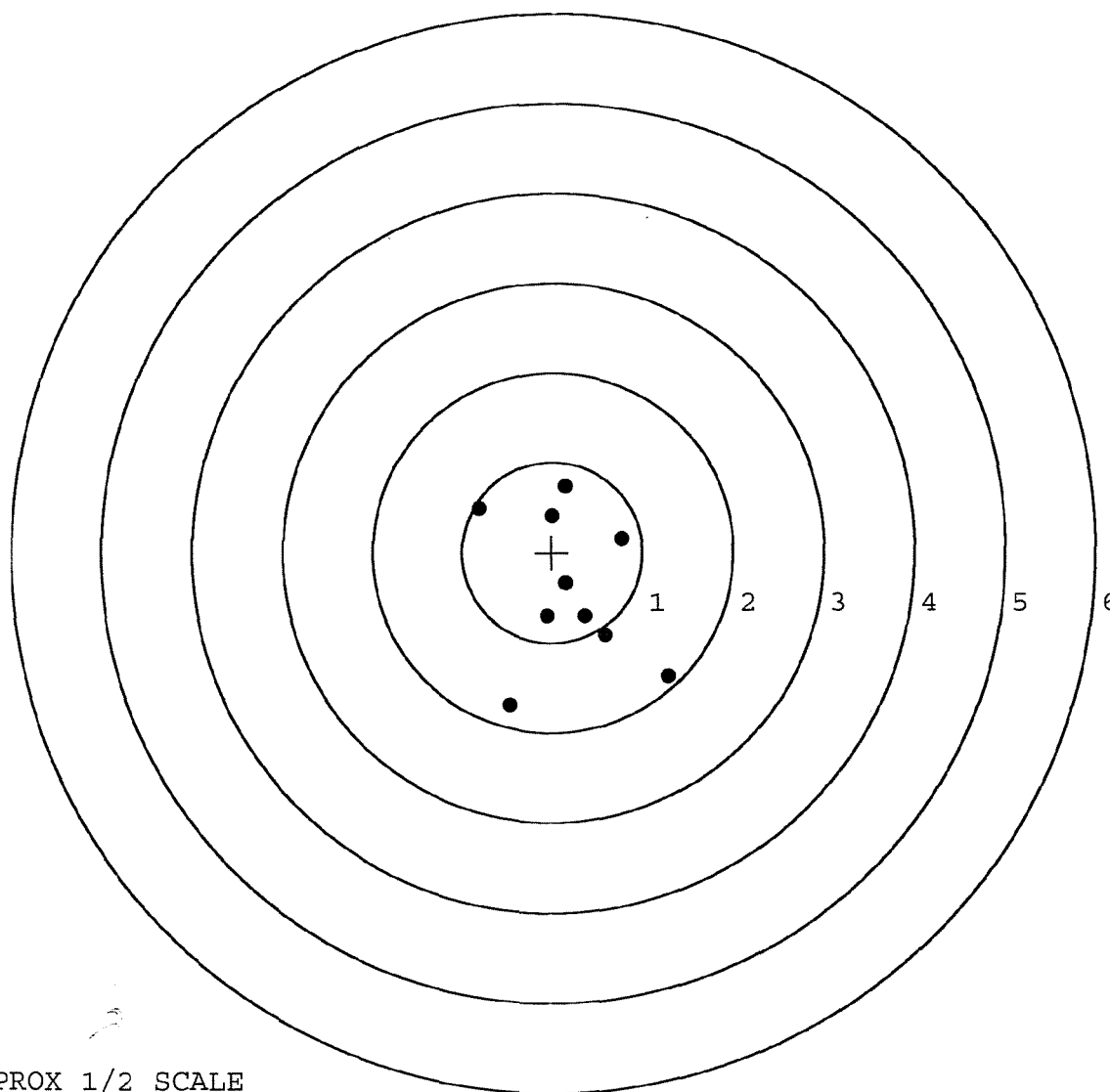


TARGET APPROX 1/2 SCALE

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

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

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

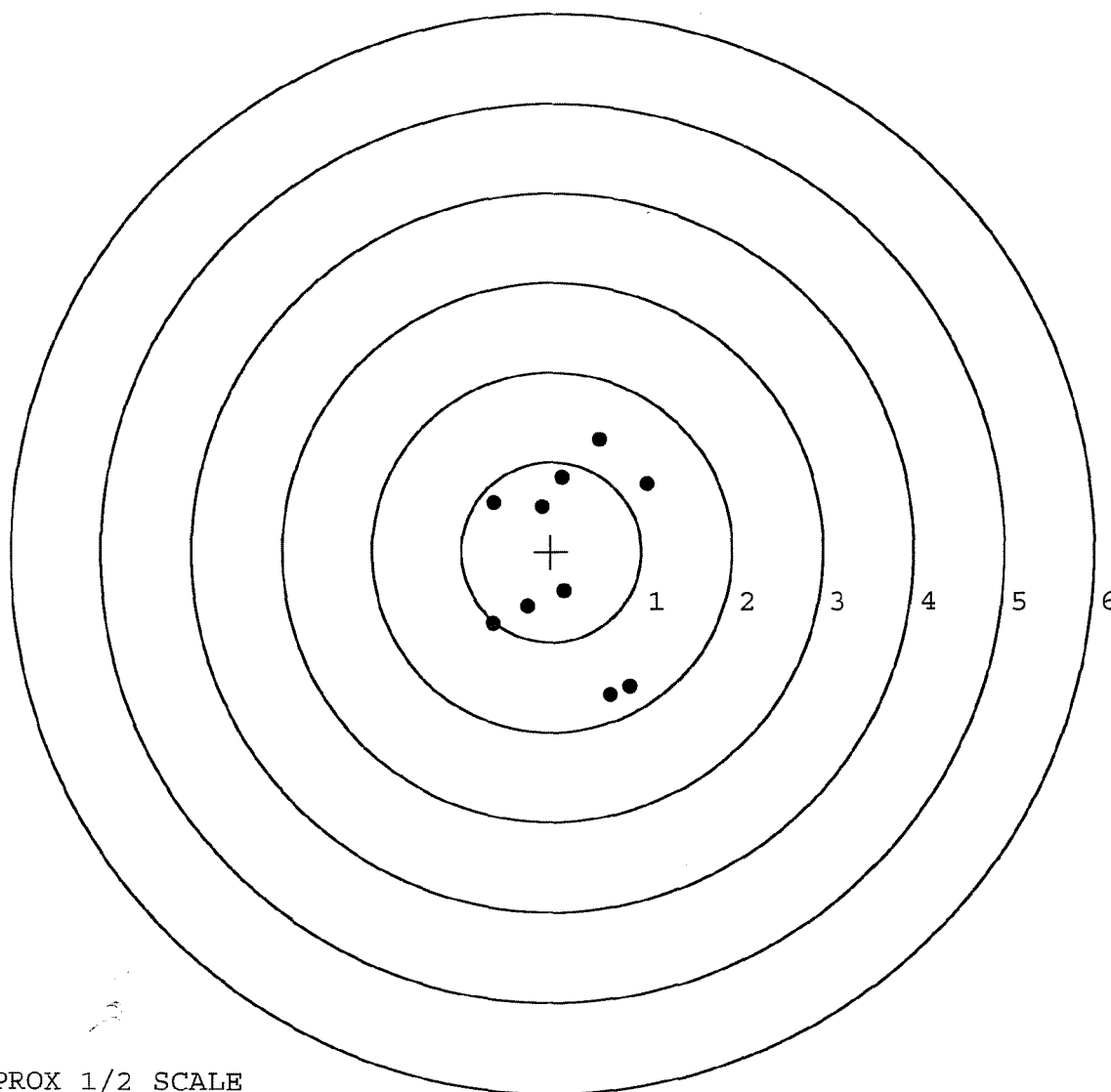


TARGET APPROX 1/2 SCALE

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

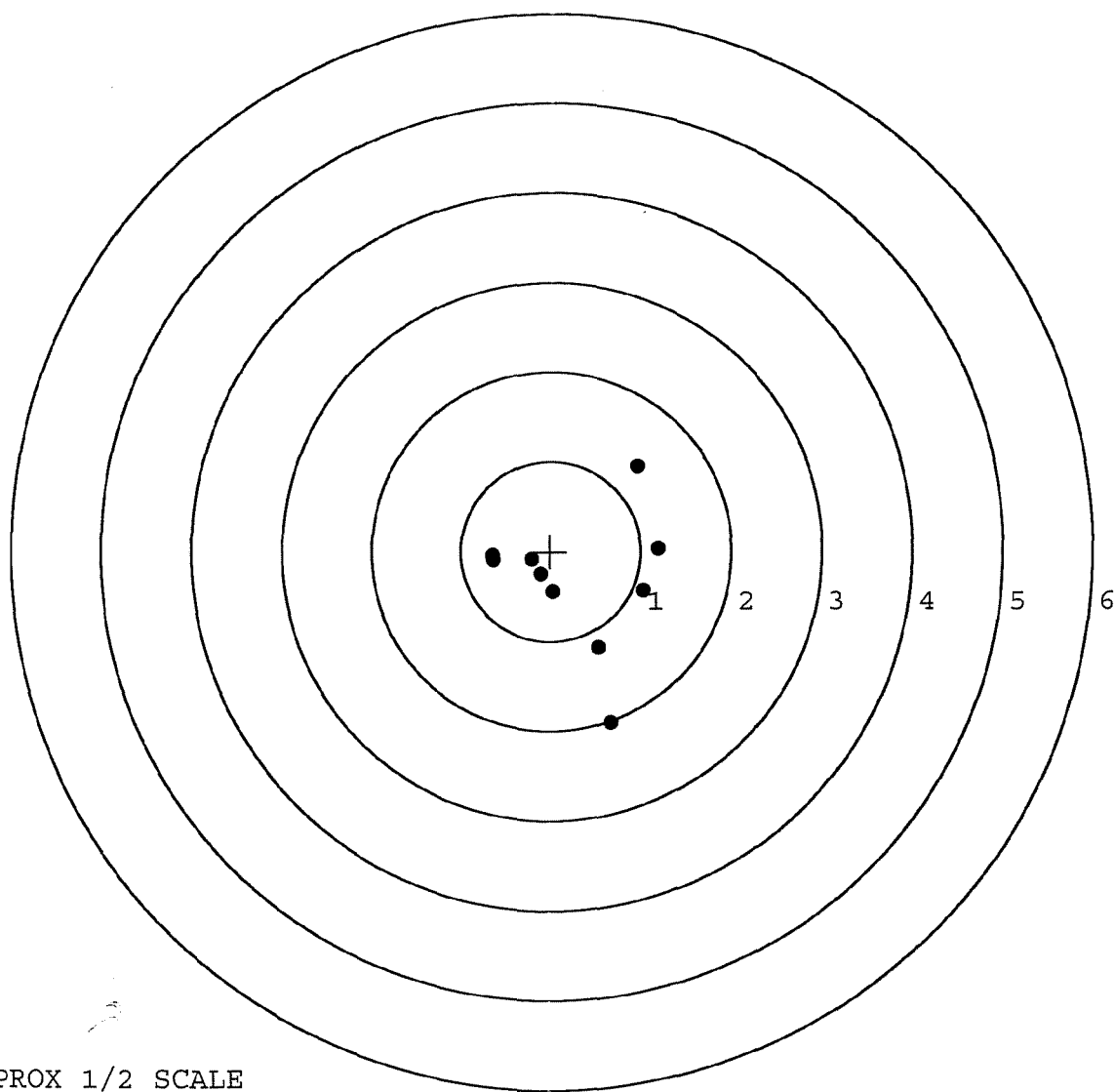


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6577310. 0
TARGET NUMBER: 4
FILE DATE: 07/17/2006
FILE TIME: 16:11

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

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



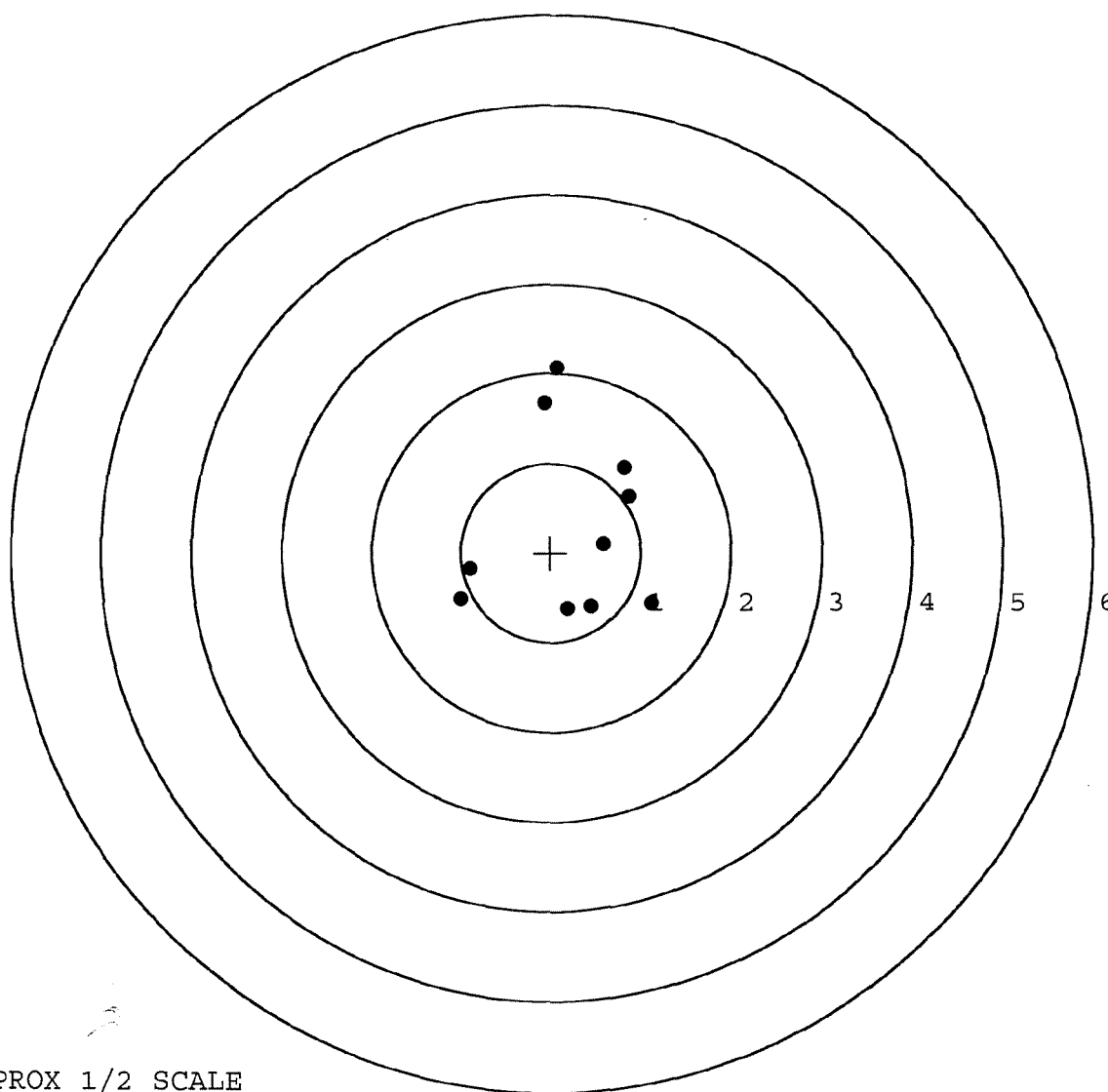
TARGET APPROX 1/2 SCALE

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

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

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

IN 1 IN DIAMETER: 1
IN 2 IN DIAMETER: 5
in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

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

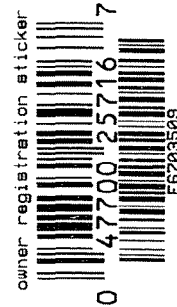
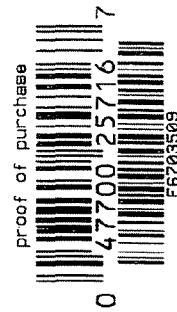
R & E NUMBER	113232		66577310	
SERIAL NUMBER	E6703509			
LOG-IN DATE	6-5-06			
OPERATION #	OPERATION NAME	DATE	INITIAL	
500	DIS-ASSEMBLE GUN	7-5-06	RTL	
505	RE-BARREL	7-5-06	RLC	
560	ASSEMBLE	7-5-06	RLC	
600	PROOF	7-5-06	MTM	
605	CHECK HEADSPACE	7-5-06	MTM	
610	DIS-ASSEMBLE GUN	7-6-06	RLC	
612	MAGNAFLUX	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	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	270 2.85 2.84 2.88 2.89	7/7/06 RA
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS MAX	7.0 7.0 7.0	7-17-06 RA
	G) SAFETY OFF FORCE	2 LBS MIN	2.0 2.0 2.0	7-17-06 RA
	I) FIRING PIN INDENT	.020	1.022 1.023 1.023	7-17-06 RA
690	PACK		8-1-06	RA

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

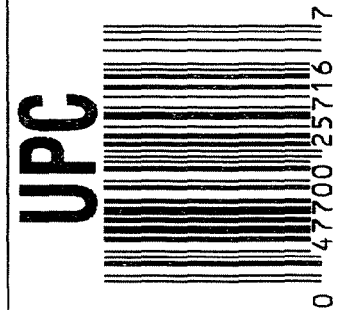


ORDER NO. 25716

BARREL LENGTH 24"

CAPACITY 6

E6703509



REMINGTON
 MANUFACTURING COMPANY
 HARTFORD, CONNECTICUT
 SALES, LESS OR MORE
 REMITTANCE

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

SERIAL NO. J
E6703509
 ORDER NO.
25716
 46
 Made in U.S.A. Pat. & Des. Off. Remington-Union Metallic Cartridge Co.

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		4-2-01	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		"	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	4
625	FINAL ASSEMBLY A) CLEAN INSIDE OF BOLT ASSEMBLY		4-2-01	CK
	B) INSPECT REAR FIRING PIN HOLE FOR CHAMFER IN BOLT HEAD		"	CK
	C) INSPECT EJECTOR HOLE FOR CHAMFER		"	CK
	D) OIL FIRING PIN ASSEMBLY		"	CK
	E) ADJUST TRIGGER PULL TO MIN. SETTING AND STAKE		"	CK

OP #	OPERATION NAME	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 3509

DATE 3/31/01

TESTER 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

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

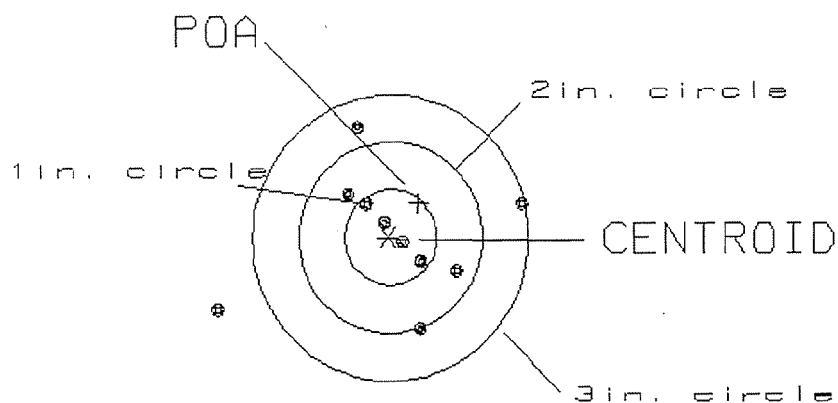
2+
3 5
1 4 <----POA

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

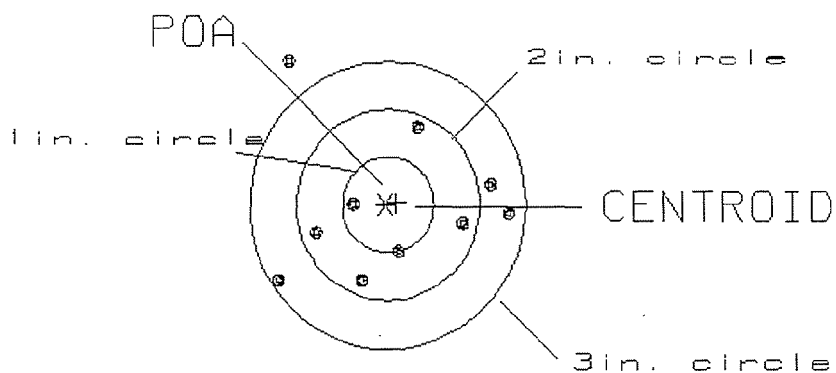
8

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
 VS= 2.30
 GS= 2.95

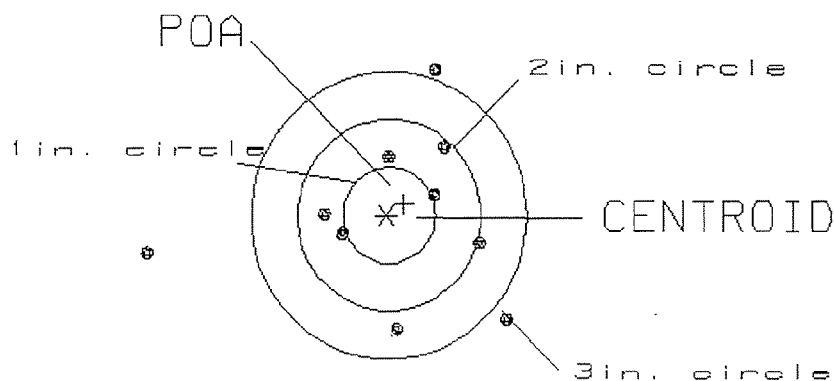
2
 6
 9

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:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6703509

CENTERFIRE PATTERN # 3



OF SHOTS= 10

IN CIRCLE

HS= 3.86

0

VS= 2.66

5

GS= 3.92

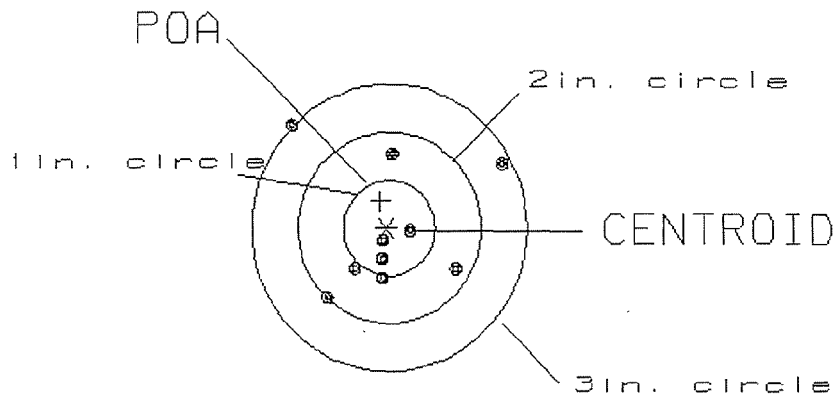
7

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

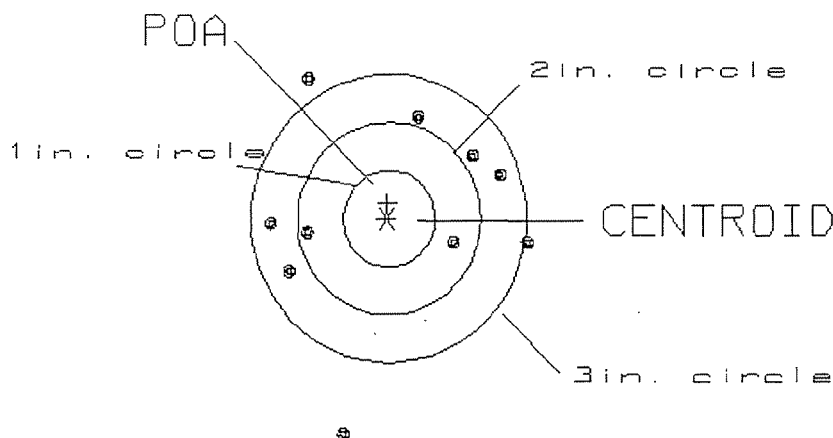
10

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