

G 6577232
Replaced
E 671 3408

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: **RE00113230**

Serial: E6703408 Model M24 SWS Center Fire
Caliber: 7.62 NATO Produced: 08/21/2001

Repairman:

Status: Closed 6/5/2006 1:20:09 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

nagleij

6/6/2006

7:54 AM

CAPS

NUM

INS

SCRL

start

Arms Services Repair ...

Part Search by Materi...

2 Microsoft Office O...

7:54 AM

Serial Number:

E6703408

Model: M24 SWS



RE00113230

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: G6577232.___0

FILE DATE AND TIME: 07/12/2006 17:39

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

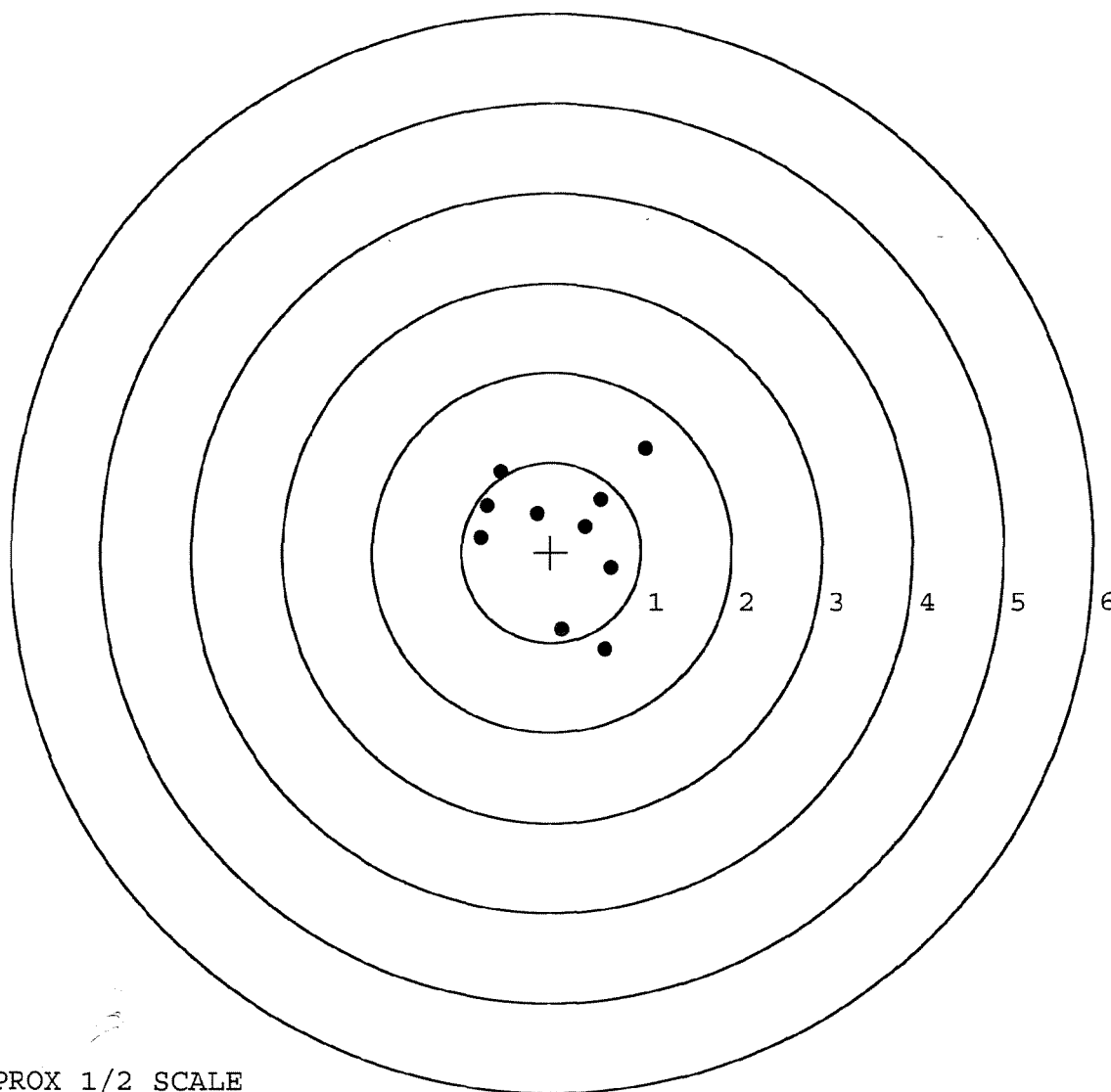
The Average X Centroid of the Five Target Set:	-0.117
The Average Y Centroid of the Five Target Set:	0.030
The Average Point of Impact of the Five Target Set:	0.121
The Average Mean Radius of the Five Target Set:	0.751
The Distance from POA to Centroid Target #1:	0.223
The Distance from Centroid Target #2 to Centroid Target #1:	0.729
The Distance from Centroid Target #3 to Centroid Target #1:	0.326
The Distance from Centroid Target #4 to Centroid Target #1:	0.414
The Distance from Centroid Target #5 to Centroid Target #1:	0.135

BARBER - M24 0087177

SERIAL NUMBER: G6577232. 0
 TARGET NUMBER: 1
 FILE DATE: 07/12/2006
 FILE TIME: 17:39

POINT#	X	Y
1:	1.050	1.147
2:	-0.564	0.895
3:	-0.159	0.432
4:	0.379	0.288
5:	0.668	-0.172
6:	-0.790	0.161
7:	0.120	-0.865
8:	0.606	-1.078
9:	-0.714	0.517
10:	0.547	0.590

X CENTROID: 0.114
 Y CENTROID: 0.191
 POA TO CENTROID: 0.223
 HORZ SPREAD: 1.840
 VERT SPREAD: 2.225
 GROUP SPREAD: 2.294
 MIN RADIUS: 0.282
 MAX RADIUS: 1.361
 MEAN RADIUS: 0.842
 # IN 1 IN DIAMETER: 2
 # IN 2 IN DIAMETER: 7
 # in 3 IN DIAMETER: 10



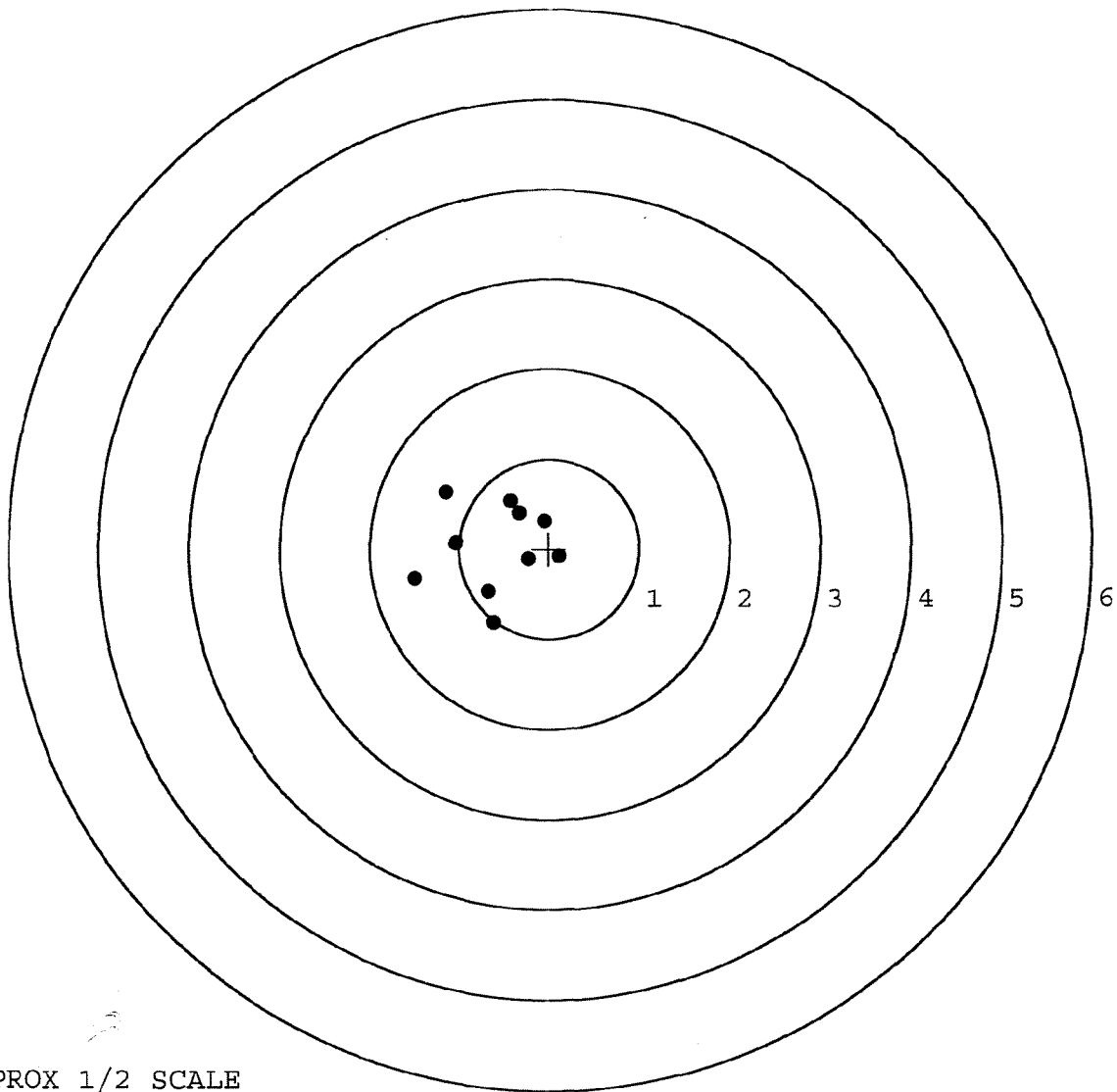
TARGET APPROX 1/2 SCALE

BARBER - M24 0087178

SERIAL NUMBER: G6577232. 0
 TARGET NUMBER: 2
 FILE DATE: 07/12/2006
 FILE TIME: 17:39

POINT#	X	Y
1:	-0.615	-0.823
2:	-0.230	-0.115
3:	-1.498	-0.336
4:	-1.148	0.633
5:	-0.427	0.534
6:	-0.339	0.405
7:	-0.054	0.312
8:	-1.039	0.063
9:	0.114	-0.084
10:	-0.680	-0.475

X CENTROID: -0.592
 Y CENTROID: 0.011
 POA TO CENTROID: 0.592
 HORZ SPREAD: 1.612
 VERT SPREAD: 1.456
 GROUP SPREAD: 1.632
 MIN RADIUS: 0.383
 MAX RADIUS: 0.971
 MEAN RADIUS: 0.631
 # IN 1 IN DIAMETER: 4
 # IN 2 IN DIAMETER: 10
 # in 3 IN DIAMETER: 10



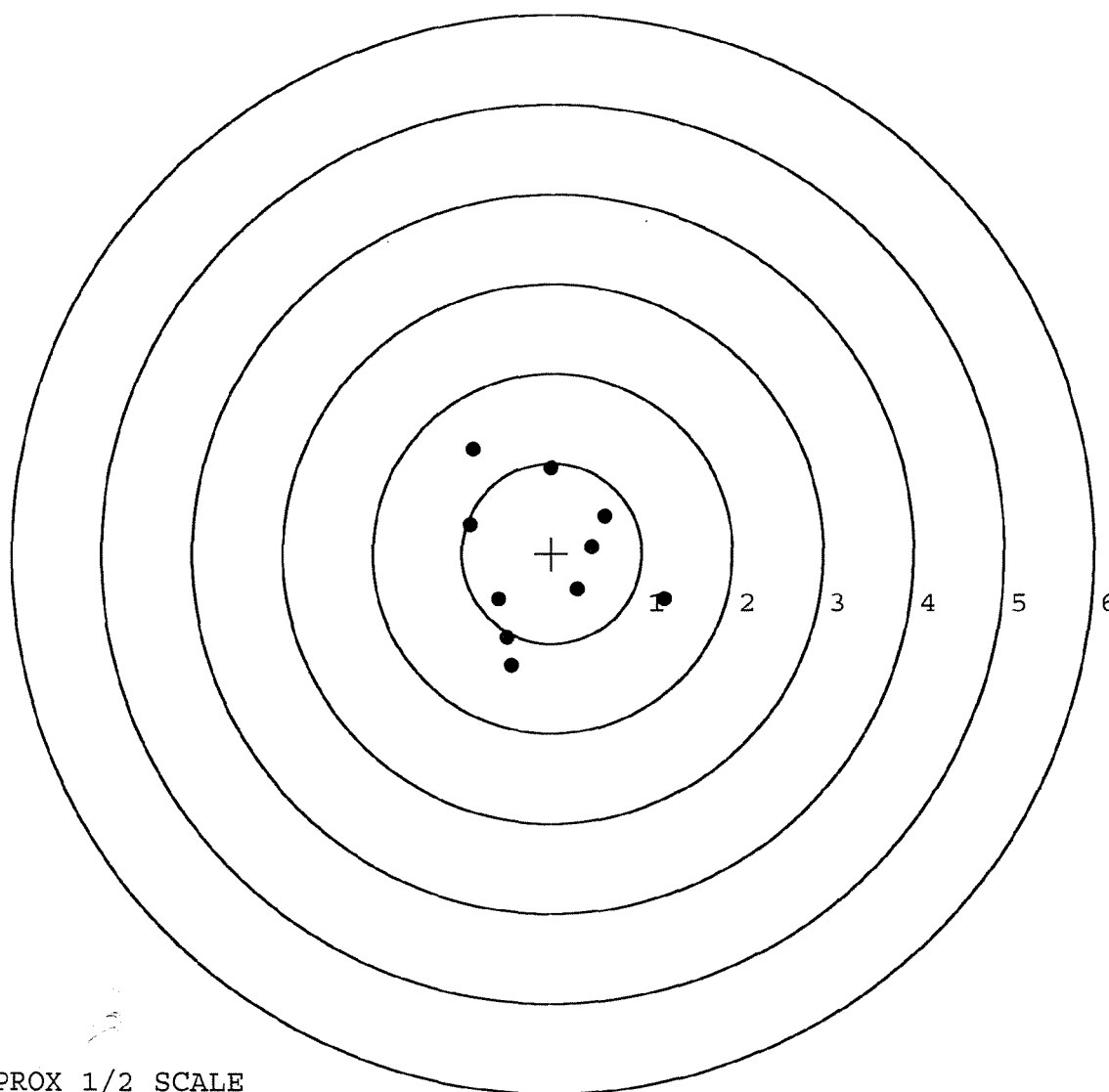
TARGET APPROX 1/2 SCALE

BARBER - M24 0087179

SERIAL NUMBER: G6577232. __0
 TARGET NUMBER: 3
 FILE DATE: 07/12/2006
 FILE TIME: 17:39

POINT#	X	Y
1:	-0.444	-1.256
2:	-0.492	-0.943
3:	-0.593	-0.519
4:	-0.912	0.317
5:	-0.884	1.147
6:	-0.011	0.946
7:	0.593	0.415
8:	0.449	0.072
9:	1.251	-0.507
10:	0.293	-0.405

X CENTROID: -0.075
 Y CENTROID: -0.073
 POA TO CENTROID: 0.105
 HORZ SPREAD: 2.163
 VERT SPREAD: 2.403
 GROUP SPREAD: 2.701
 MIN RADIUS: 0.495
 MAX RADIUS: 1.464
 MEAN RADIUS: 0.956
 # IN 1 IN DIAMETER: 1
 # IN 2 IN DIAMETER: 6
 # in 3 IN DIAMETER: 10



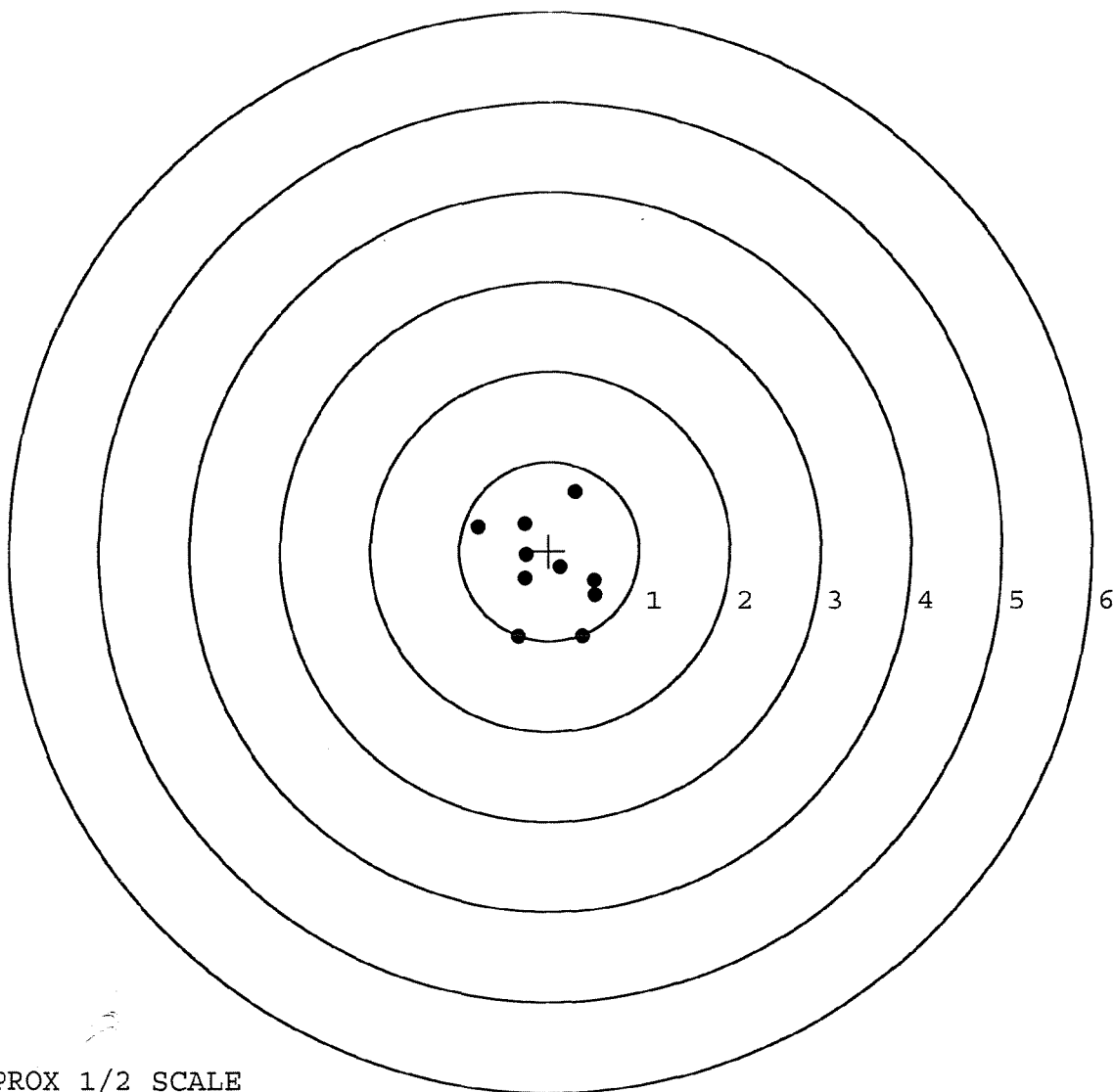
TARGET APPROX 1/2 SCALE

BARBER - M24 0087180

SERIAL NUMBER: G6577232. 0
 TARGET NUMBER: 4
 FILE DATE: 07/12/2006
 FILE TIME: 17:39

POINT#	X	Y
1:	0.367	-0.949
2:	0.508	-0.491
3:	0.505	-0.327
4:	0.128	-0.184
5:	-0.271	-0.307
6:	-0.343	-0.954
7:	-0.800	0.271
8:	-0.280	0.302
9:	0.293	0.662
10:	-0.255	-0.040

X CENTROID: -0.015
 Y CENTROID: -0.202
 POA TO CENTROID: 0.202
 HORZ SPREAD: 1.308
 VERT SPREAD: 1.616
 GROUP SPREAD: 1.737
 MIN RADIUS: 0.144
 MAX RADIUS: 0.917
 MEAN RADIUS: 0.591
 # IN 1 IN DIAMETER: 3
 # IN 2 IN DIAMETER: 10
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

BARBER - M24 0087181

SERIAL NUMBER: G6577232. 0

TARGET NUMBER: 5

FILE DATE: 07/12/2006

FILE TIME: 17:39

POINT#	X	Y
1:	-0.012	0.849
2:	0.224	0.618
3:	0.411	1.104
4:	0.982	0.630
5:	0.167	-0.190
6:	-0.368	-0.103
7:	-0.754	-0.969
8:	-0.697	-0.426
9:	-0.488	0.546
10:	0.367	0.185

X CENTROID: -0.017

Y CENTROID: 0.224

POA TO CENTROID: 0.225

HORZ SPREAD: 1.736

VERT SPREAD: 2.073

GROUP SPREAD: 2.378

MIN RADIUS: 0.386

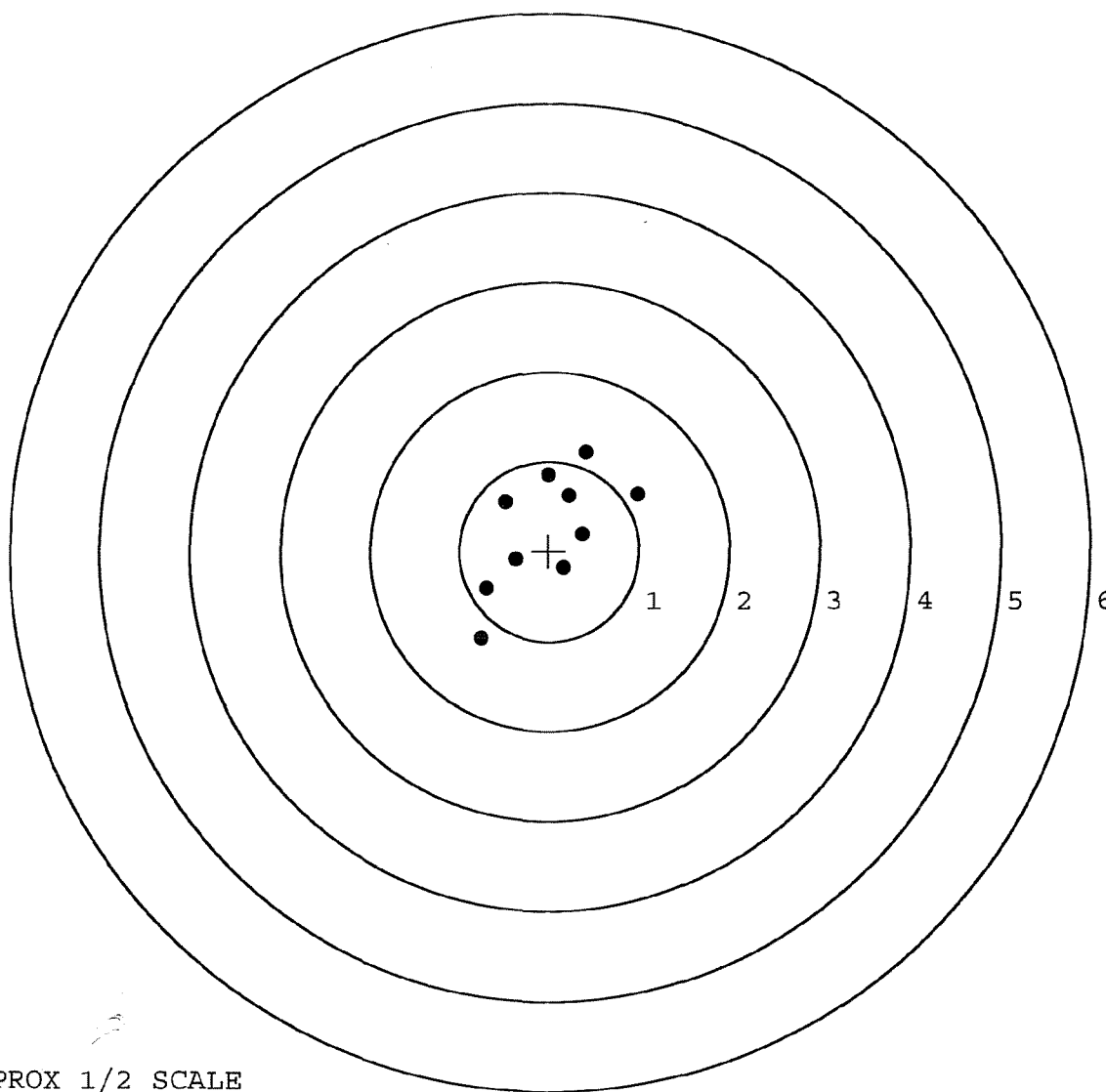
MAX RADIUS: 1.403

MEAN RADIUS: 0.738

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

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

R & E NUMBER	113230			
SERIAL NUMBER	66703468	66577232		
LOG-IN DATE	6-5-06			
OPERATION #	OPERATION NAME	DATE	INITIAL	
500	DIS-ASSEMBLE GUN	7-5-06	RJZ	
505	RE-BARREL	7-5-06	BLC	
560	ASSEMBLE	7-5-06	BLC	
600	PROOF	7-5-06	MTM	
605	CHECK HEADSPACE	7-5-06	MTM	
610	DIS-ASSEMBLE GUN	7-6-06	BLC	
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	7-7-06	HP	
625	FINAL ASSEMBLY	7-11-06	RTZ	
640	FUNCTION TEST AND	(PASS) FAIL	7-12-06	L.P.D.
650	TARGET	(PASS) FAIL	7-12-06	L.P.D.
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
670	FINAL INSPECTION		7-13-06	MTM
	A) HEADSPACE	(PASS) FAIL	7-13-06	MTM
	B) TRIGGER PULL	7-13-06	RA	
		2.45 2.36 2.42 2.44 2.4		
680	F) SAFETY ON FORCE	7-13-06	RA	
		50 50 50		
	G) SAFETY OFF FORCE	7-13-06	RA	
		2.0 2.0 2.0		
	I) FIRING PIN INDENT	7-13-06	RA	
		.021 .021 .021		
690	PACK	8-1-06	RA	

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

Remington®

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

Made in Union, NY Reg. U.S. Pat. & Tar. Off. Marca Registrada. Marque Deposee.

SERIAL NO. **E6703408**

ORDER NO. **25716**

46

21WV

5716 E6703408

ORDER 25716

MODEL 700™ M24

UPC



ORDER 25716

MODEL 700™ M24

UPC



SERIAL NO.



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

DOCUMENT ENVELOPE ASSEMBLY:

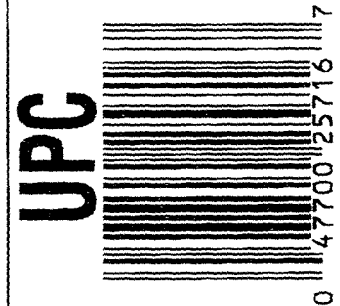
- INSTRUCTION BOOK
- PRODUCT OWNER'S CARD
- SAFETY BOOKLET

46 FORM 1444



ORDER NO.	25716
BARREL LENGTH	24"
CAPACITY	6

E6703408



GUN SERIAL # L6703408

OP #	OPERATION NAME	READINGS	DATE	INITIAL
575 & 580	ASSEMBLE ACTION AND STOCK		4/23/01	CK.
600	PROOF		4/23/01	CK
607	CHECK HEADSPACE		4/23/01	CLC
610	DIS-ASSEMBLE GUN		4/23/01	CK
612	MAGNAFLUX BBL ACTION MAGNAFLUX BOLT		4/23/01	AC
615	ROLLMARK CALIBER		4/25/01	DA
617	DRILL AND TAP SIGHT HOLES		4/27/01	DA
618	POLISH BARREL		4/27/01	GD
620	APPLY COATINGS (BARREL ACTION)		4/27/01	TA
	(BOLT)			
625	FINAL ASSEMBLY		8/15/01	BL.
	A) CLEAN INSIDE OF BOLT ASSEMBLY		8/15/01	BL
	B) INSPECT REAR FIRING PIN HOLE FOR CHAMFER IN BOLT HEAD		8/15/01	BL.
	C) INSPECT EJECTOR HOLE FOR CHAMFER		8/15/01	BL.
	D) OIL FIRING PIN ASSEMBLY		8/15/01	BL
	E) ADJUST TRIGGER PULL TO MIN. SETTING AND STAKE		8/15/01	BL

OPERATION TIME		READINGS			DATE	INITIAL	
625	F) SAFETY ON FORCE	<u>7²⁵</u>	<u>6⁰</u>	<u>6⁰</u>	5/1/01	RH	
CONT.							
	G) SAFETY OFF FORCE	<u>3²⁵</u>	<u>3⁰</u>	<u>3²⁵</u>	5/1/01	RH	
	H) TRIGGER PULL TEST AND RETAINABILITY						
	I) FIRING PIN INDENT	<u>.024</u>	<u>.022</u>	<u>.023</u>	5/1/01	RH	
	J) ASSEMBLE STOCK				5/1/01	R.L.	
	K) ASSEMBLE SWIVEL STUDS				8/15/01	BL	
	L) ATTACH FRONT AND REAR SIGHT ASSY'S				8/15/01	BL	
	M) IRON SIGHT ALIGNMENT				8/15/01	BL.	
	N) DETACH FRONT AND REAR SIGHTS AND PLACE IN NUMBERED CONTAINER				8/15/01	BL	
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				8/12/01	RH	
	B) TRIGGER PULL	<u>227</u>	<u>226</u>	<u>237</u>	<u>229</u>	8/1/01	RH
	C) FUNCTION				5/1/01	R.L.	
660	PACK				2/17/01	RA	

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

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

SERIAL NO. E6703408DATE 3/31/01TESTER SF

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	2.44	2.15	2.00	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.41	2.28	2.05	
PULL #3	2.39	2.34	2.10	
PULL #4	2.38	2.35	2.10	
PULL #5	2.43	2.28	2.14	
TOTAL	12.05	11.4	10.39	
AVG.	2.41	2.28	2.08	

	3.00# INITIAL	3.00# AFTER 20 CYCLES	COMMENTS
PULL #1	3.54	3.36	
PULL #2	3.56	3.42	
PULL #3	3.59	3.36	
PULL #4	3.44	3.33	
PULL #5	3.50	3.35	
TOTAL	17.63	16.82	
AVG.	3.53	3.36	

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.25	4.10		4.05
PULL #2	4.14	4.03		4.05
PULL #3	4.24	3.99		4.01
PULL #4	4.13	4.08		3.99
PULL #5	4.41	4.06		4.03
TOTAL	21.17	20.26		20.13
AVG.	4.23	4.05		4.03

BARBER - M24 0087188

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # e6703408
24 Apr 2001

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.1636
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1194
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .202537

THE AMR FOR THIS RIFLE IS: .918

CENTROIDAL DISTANCES

0 TO 1	.250018
1 TO 2	.150416
1 TO 3	.16421
1 TO 4	.430019
1 TO 5	.437824

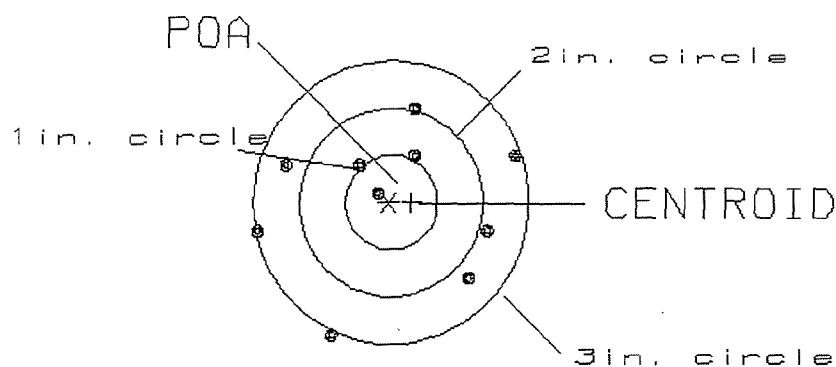
$3 \frac{1}{2} + 4$ <----POA
5

PATTERN #: ☐ 1 ☐
 POA TO CENTROID: .250
 MIN RADIUS : .226
 MEAN RADIUS : 1.034
 MAX RADIUS : 1.571
 CENTROID X : -.250
 CENTROID Y : .003

24 Apr 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6703400

CENTERFIRE PATTERN # 1



OF SHOTS= 10

IN CIRCLE

HS= 2.83

1

VS= 2.40

4

GS= 2.96

8

BARBER - M24 0087190

REMINGTON CENTERFIRE ACCURACY TEST

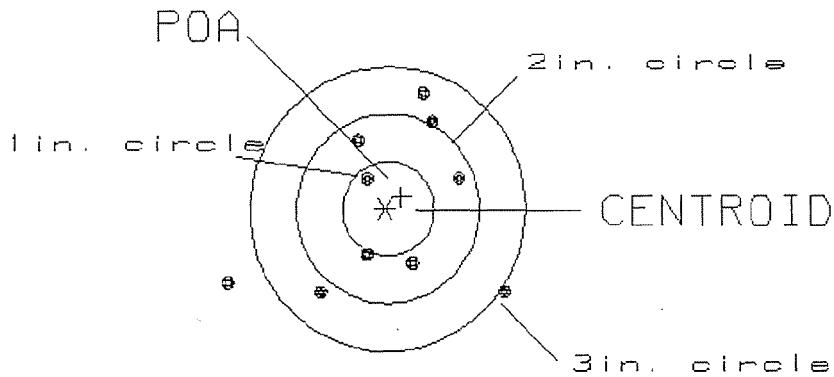
REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: 2
 POA TO CENTROID: .212
 MIN RADIUS : .403
 MEAN RADIUS : 1.015
 MAX RADIUS : 1.937
 CENTROID X : -.171
 CENTROID Y : -.125

24 Apr 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6703408

CENTERFIRE PATTERN # 2



OF SHOTS= 10

IN CIRCLE

HS= 3.07
 VS= 2.16
 GS= 3.07

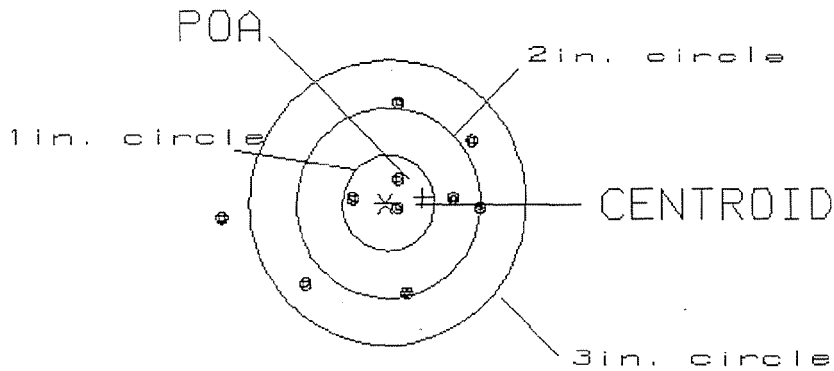
2
 5
 8

PATTERN #: 3
 POA TO CENTROID: .407
 MIN RADIUS : .152
 MEAN RADIUS : .879
 MAX RADIUS : 1.801
 CENTROID X : -.404
 CENTROID Y : -.054

24 Apr 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6703408

CENTERFIRE PATTERN # 3



OF SHOTS= 10

IN CIRCLE

HS= 2.77
 VS= 2.04
 GS= 2.83

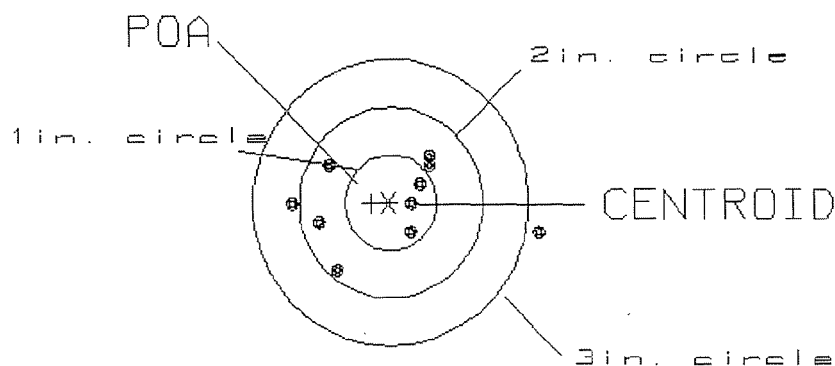
3
 5
 9

PATTERN #: 4
 POA TO CENTROID: .180
 MIN RADIUS : .212
 MEAN RADIUS : .733
 MAX RADIUS : 1.615
 CENTROID X : .180
 CENTROID Y : .007

24 Apr 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6703408

CENTERFIRE PATTERN # 4



OF SHOTS= 10

IN CIRCLE

HS= 2.69

3

VS= 1.27

6

GS= 2.70

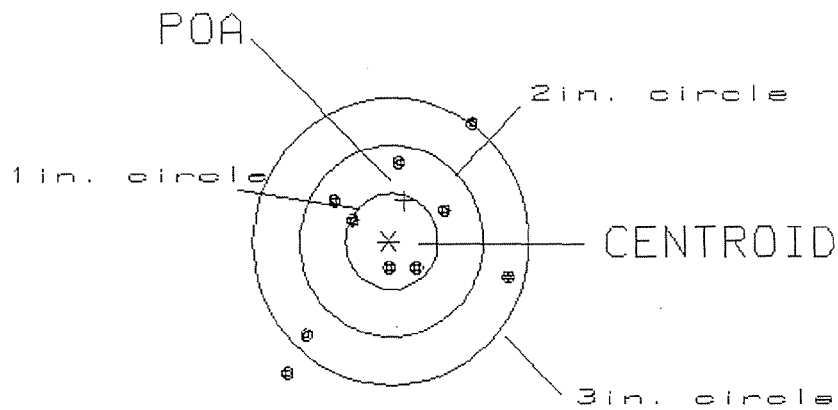
9

PATTERN #: ☐ 5 ☐
 POA TO CENTROID: .462
 MIN RADIUS : .289
 MEAN RADIUS : .929
 MAX RADIUS : 1.749
 CENTROID X : -.173
 CENTROID Y : -.428

24 Apr 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6703408

CENTERFIRE PATTERN # 5



OF SHOTS= 10

IN CIRCLE

HS= 2.41
 VS= 2.54
 GS= 3.22

3
 6
 9