

G 657 7088
Replaced
E 670 3492

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: RE00113220

Serial: E6703492 Model M24 SWS Center Fire
Caliber: 7.62 NATO Produced: 08/21/2001

Repairman:

Status: Closed 6/5/2006 1:20:58 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

nagletj

6/6/2006

7:38 AM

CAPS

NUM

INS

SCRL



Arms Services Repair ...

Part Search by Materi...

2 Microsoft Office O...

7:38 AM

G 6577088

Serial: ~~E6703492~~

Model: M24 SWS



RE00113220

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50 LBS (plus or minus 0.50 LBS)

3.00 LBS (plus or minus 0.75 LBS)

4.00 LBS (plus or minus 1.00 LBS)

DATE 6-27-06

TESTER R.P.

	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50 LBS		COMMENTS
PULL #1	2.45	2.57		2.52	
PULL #2	2.44	2.57		2.56	
PULL #3	2.49	2.55		2.55	
PULL #4	2.52	2.55		2.62	
PULL #5	2.60	2.46		2.61	
TOTAL	12.50	12.70		12.86	
AVERAGE	2.50	2.54		2.57	

	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES		COMMENTS
PULL #1	3.10	3.15		
PULL #2	3.15	3.06		
PULL #3	3.20	3.06		
PULL #4	3.10	3.16		
PULL #5	3.17	3.17		
TOTAL	15.72	15.60		
AVERAGE	3.14	3.12		

	4.00 LBS INITIAL	4.00 LBS AFTER 20 CYCLES	MAX SETTING GREATER THAN 4 LBS	RESET TO 4 LBS FOR TARGET & ACCURACY
PULL #1	4.15	3.99		4.09
PULL #2	4.01	3.97		4.05
PULL #3	3.98	3.90		3.99
PULL #4	3.97	3.91		4.07
PULL #5	3.96	3.99		4.06
TOTAL	20.07	19.76		20.26
AVERAGE	4.01	3.95		4.05

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: G6577088.___0

FILE DATE AND TIME: 07/20/2006 16:57

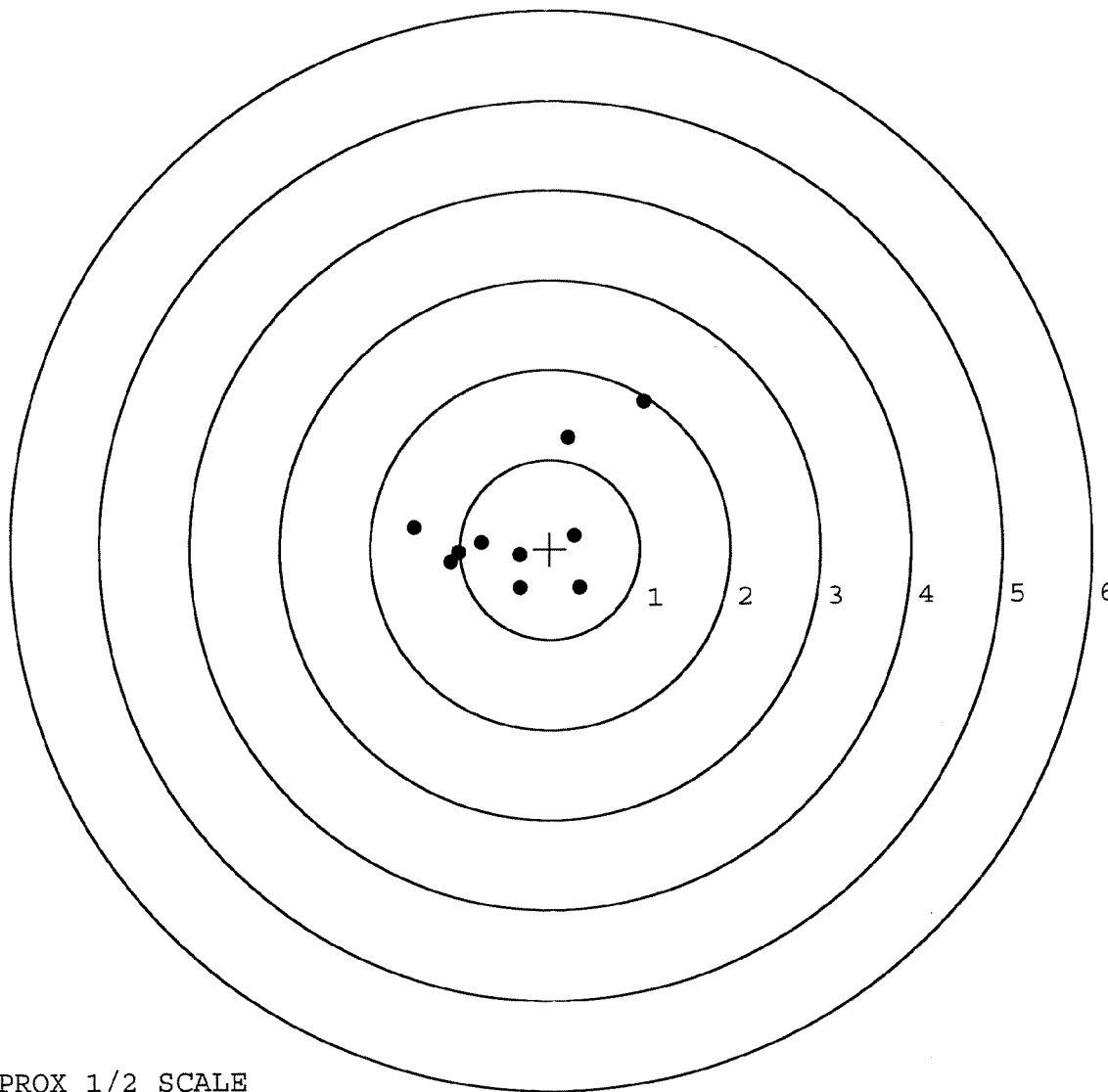
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.056
The Average Y Centroid of the Five Target Set:	-0.025
The Average Point of Impact of the Five Target Set:	0.061
The Average Mean Radius of the Five Target Set:	0.730
The Distance from POA to Centroid Target #1:	0.389
The Distance from Centroid Target #2 to Centroid Target #1:	0.392
The Distance from Centroid Target #3 to Centroid Target #1:	0.516
The Distance from Centroid Target #4 to Centroid Target #1:	0.441
The Distance from Centroid Target #5 to Centroid Target #1:	0.506

SERIAL NUMBER: G6577088. __0
 TARGET NUMBER: 1
 FILE DATE: 07/20/2006
 FILE TIME: 16:57

POINT#	X	Y
1:	-1.102	-0.146
2:	-1.015	-0.037
3:	-0.761	0.074
4:	-0.339	-0.068
5:	-0.337	-0.440
6:	0.329	-0.435
7:	0.274	0.150
8:	0.215	1.244
9:	1.056	1.634
10:	-1.508	0.250

X CENTROID: -0.319
 Y CENTROID: 0.223
 POA TO CENTROID: 0.389
 HORZ SPREAD: 2.564
 VERT SPREAD: 2.074
 GROUP SPREAD: 2.914
 MIN RADIUS: 0.291
 MAX RADIUS: 1.970
 MEAN RADIUS: 0.886
 # IN 1 IN DIAMETER: 2
 # IN 2 IN DIAMETER: 7
 # in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6577088. 0

TARGET NUMBER: 2

FILE DATE: 07/20/2006

FILE TIME: 16:57

POINT#	X	Y
1:	-1.003	-0.258
2:	-0.933	-0.037
3:	-0.527	0.194
4:	-0.282	0.309
5:	0.181	-0.274
6:	0.653	-0.229
7:	0.648	0.483
8:	1.291	-0.452
9:	-0.836	-1.190
10:	-0.456	0.266

X CENTROID: -0.126

Y CENTROID: -0.119

POA TO CENTROID: 0.173

HORZ SPREAD: 2.294

VERT SPREAD: 1.673

GROUP SPREAD: 2.302

MIN RADIUS: 0.344

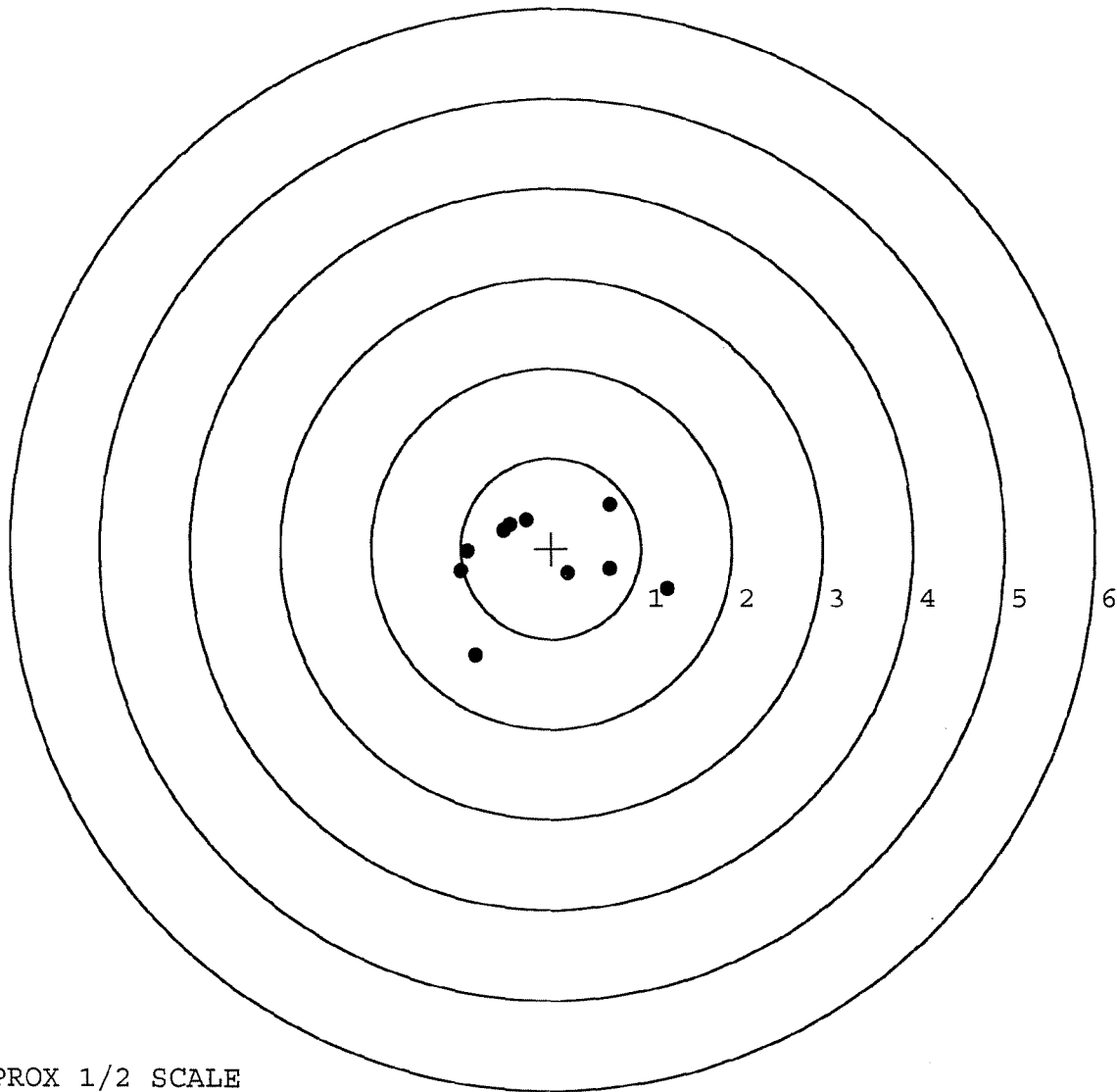
MAX RADIUS: 1.456

MEAN RADIUS: 0.802

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10

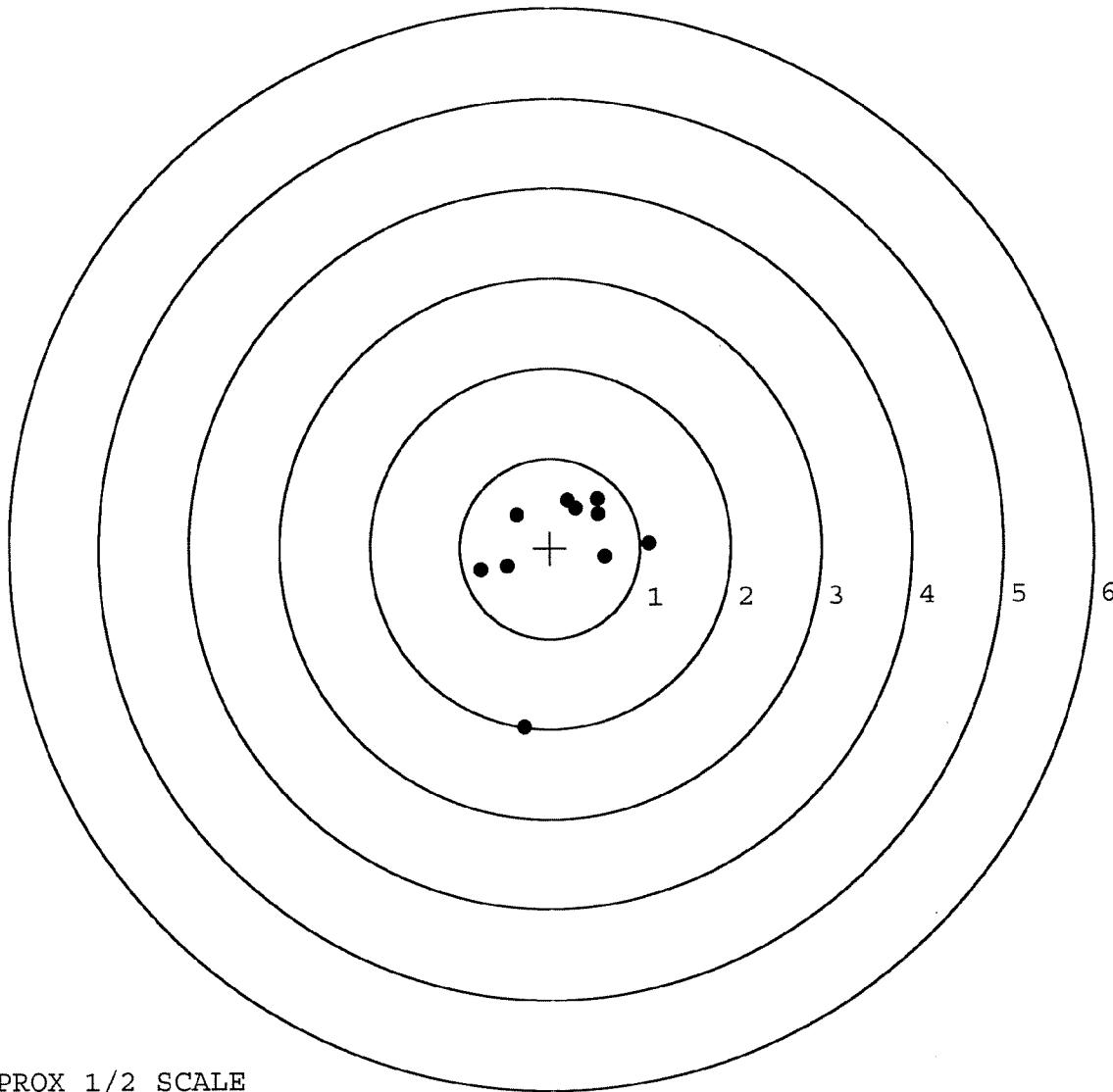


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6577088. __0
 TARGET NUMBER: 3
 FILE DATE: 07/20/2006
 FILE TIME: 16:57

POINT#	X	Y
1:	-0.772	-0.246
2:	-0.477	-0.206
3:	-0.367	0.370
4:	0.199	0.532
5:	0.529	0.545
6:	0.536	0.378
7:	0.608	-0.104
8:	1.099	0.045
9:	-0.294	-1.986
10:	0.292	0.444

X CENTROID: 0.135
 Y CENTROID: -0.023
 POA TO CENTROID: 0.137
 HORZ SPREAD: 1.871
 VERT SPREAD: 2.531
 GROUP SPREAD: 2.661
 MIN RADIUS: 0.480
 MAX RADIUS: 2.010
 MEAN RADIUS: 0.797
 # IN 1 IN DIAMETER: 2
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6577088. __0

TARGET NUMBER: 4

FILE DATE: 07/20/2006

FILE TIME: 16:57

POINT#	X	Y
1:	-0.808	0.439
2:	-0.502	0.143
3:	-0.317	0.381
4:	-0.455	-0.410
5:	-0.120	-0.529
6:	-0.055	-0.237
7:	0.224	-0.208
8:	0.829	-0.047
9:	0.444	0.196
10:	0.124	-1.101

X CENTROID: -0.064

Y CENTROID: -0.137

POA TO CENTROID: 0.151

HORZ SPREAD: 1.637

VERT SPREAD: 1.540

GROUP SPREAD: 1.800

MIN RADIUS: 0.100

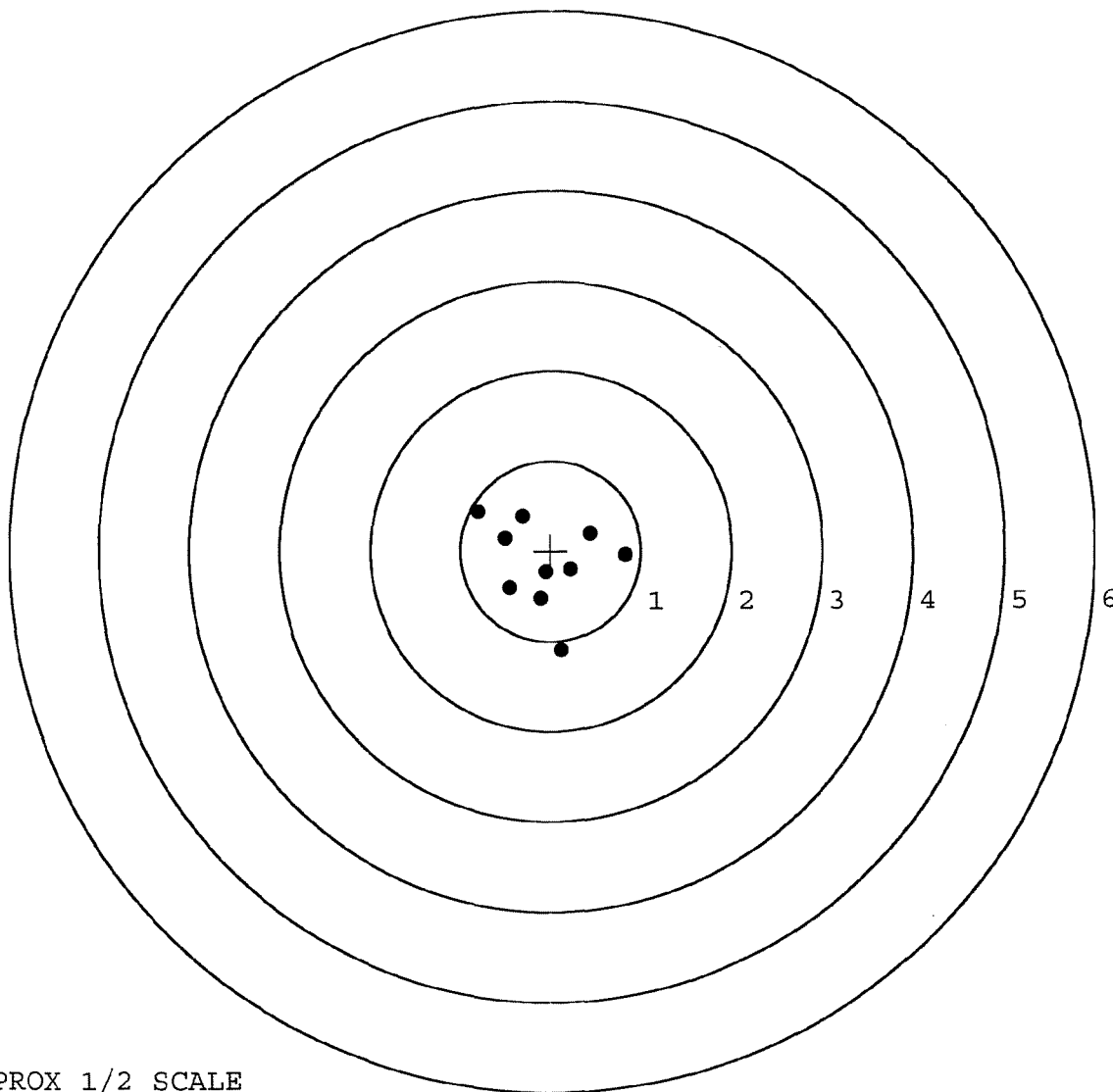
MAX RADIUS: 0.982

MEAN RADIUS: 0.579

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6577088. __0

TARGET NUMBER: 5

FILE DATE: 07/20/2006

FILE TIME: 16:57

X CENTROID: 0.095

Y CENTROID: -0.070

POA TO CENTROID: 0.118

HORZ SPREAD: 1.506

VERT SPREAD: 1.682

GROUP SPREAD: 1.896

MIN RADIUS: 0.080

MAX RADIUS: 1.056

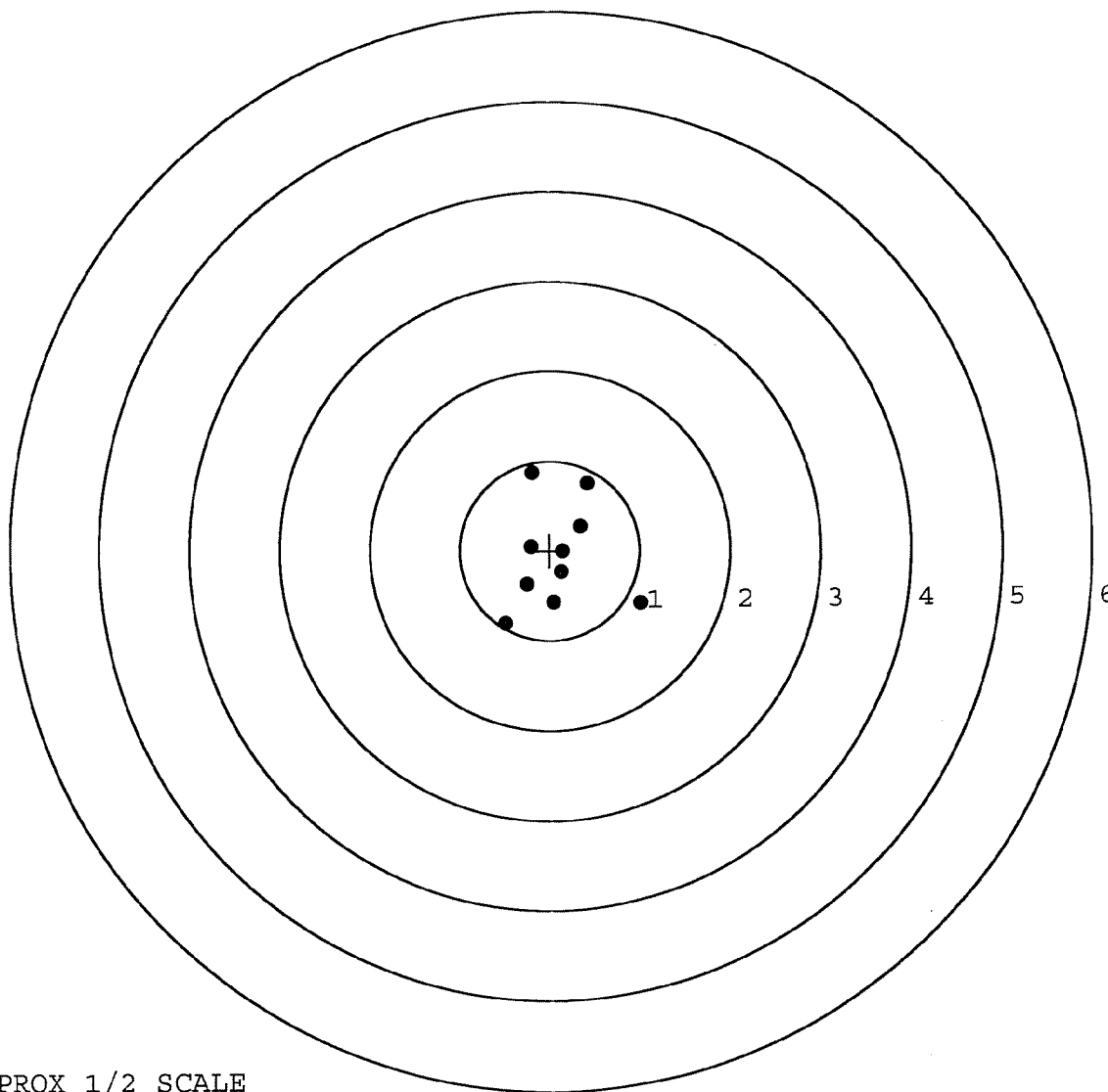
MEAN RADIUS: 0.585

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.195	0.867
2:	0.424	0.749
3:	0.346	0.268
4:	1.010	-0.597
5:	-0.496	-0.815
6:	0.044	-0.581
7:	-0.255	-0.383
8:	0.128	-0.244
9:	0.146	-0.009
10:	-0.207	0.046



TARGET APPROX 1/2 SCALE

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

		National Guard		
R & E NUMBER	113220			
SERIAL NUMBER	66703492 66577088			
LOG-IN DATE	6-5-06			
OPERATION #	OPERATION NAME		DATE	INITIAL
500	DIS-ASSEMBLE GUN		6-27-06	AE
505	RE-BARREL		6-27-06	AE
560	ASSEMBLE		6-30-06	AE
600	PROOF	MAGNA-FLUX INSPECTED	7-5-06	mjm
605	CHECK HEADSPACE		7-5-06	mjm
610	DIS-ASSEMBLE GUN	JUL 06 2006	7-5-06	AE
612	MAGNAFLUX	OPERATOR <i>unus</i>	7/6/06	<i>unus</i>
510	DRILL AND TAP		7-6-06	TRL
615	ROLLMARK CALIBER		7-7-06	CW
618	ROTO-BLAST		7-7-06	LB
620	APPLY COATINGS		7/7	HB
625	FINAL ASSEMBLY		7-19-06	R.P.D.
640	FUNCTION TEST AND	PASS FAIL	7-20-06	mjm
650	TARGET	PASS FAIL	7-20-06	mjm
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
670	FINAL INSPECTION		8-1-06	RJL
	A) HEADSPACE	PASS FAIL	8-1-06	RJL
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	2.61 2.32 2.73 2.92 2.97	AE
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS MAX	7.2 7.0 7.2 8-1-06	DA
	G) SAFETY OFF FORCE	2 LBS MIN	5.2 4.5 5.0 8-1-06	DA
	I) FIRING PIN INDENT	.020	1.023 1.023 1.023 8-1-06	DA
690	PACK		8-1-06	DA

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

Serial No. **E6703492**
Order No. **25716**

46

Made in Illinois, U.S. Pat. & Des. Off. Marca Registrada. Marque Deposee.

21WV

5716 E6703492

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



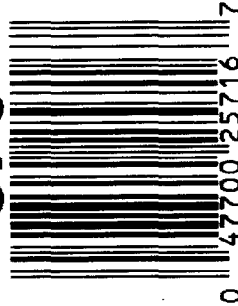
ORDER NO. 25716

BARREL LENGTH 24"

CAPACITY 6

E6703492

UPC



CONTRACT #

GUN SERIAL #

E 670 3492

OP #	OPERATION NAME	READINGS	DATE	INITIAL
575 & 580	ASSEMBLE ACTION AND STOCK		5-3-01	CR
600	PROOF		11	CR
607	CHECK HEADSPACE		11	CR
610	DIS-ASSEMBLE GUN		11	CR
612	MAGNAFLUX BBL ACTION MAGNAFLUX BOLT		5/3/01	AC
615	ROLLMARK CALIBER		5/3/01	DA
617	DRILL AND TAP SIGHT HOLES		5/3/01	DA
618	POLISH BARREL		5/6/01	GD
620	APPLY COATINGS (BARREL ACTION)		5/10/01	TA
	(BOLT)		5/20/01	TA
625	FINAL ASSEMBLY A) CLEAN INSIDE OF BOLT ASSEMBLY		5/10/01	CR
	B) INSPECT REAR FIRING PIN HOLE FOR CHAMFER IN BOLT HEAD		5/10/01	CR
	C) INSPECT EJECTOR HOLE FOR CHAMFER		5/10/01	CR
	D) OIL FIRING PIN ASSEMBLY		5/10/01	CR
	E) ADJUST TRIGGER PULL TO MIN. SETTING AND STAKE		5/10/01	CR

OP #	OPERATION NAME	READINGS	DATE	INITIAL
625	F) SAFETY ON FORCE	<u>6.5</u> <u>7.5</u> <u>6.5</u>	8/14/01	DA
CONT.	G) SAFETY OFF FORCE	<u>3.0</u> <u>2.5</u> <u>3.0</u>	8/14/01	DA
	H) TRIGGER PULL TEST AND RETAINABILITY		8/14/01	RL
	I) FIRING PIN INDENT	<u>.022</u> <u>.023</u> <u>.023</u>		
	J) ASSEMBLE STOCK		5/30/01	CLK
	K) ASSEMBLE SWIVEL STUDS		5/30/01	CH
	L) ATTACH FRONT AND REAR SIGHT ASSY'S		5/3/01	CK
	M) IRON SIGHT ALIGNMENT		5/3/01	PK
	N) DETACH FRONT AND REAR SIGHTS AND PLACE IN NUMBERED CONTAINER		5/3/01	CK
640	GALLERY TEST AND TARGET		5/9/01	RW
	A) MALFUNCTIONS		5/9/01	RW
	B) PIERCED PRIMERS		5/9/01	RW
645	INSPECT FOR LIVE AMMO		5/9/01	RW
655	FINAL INSPECTION A) HEADSPACE		8/14/01	DA
	B) TRIGGER PULL	<u>275</u> <u>278</u> <u>276</u> <u>274</u> <u>271</u>	8/15/01	RL
	C) FUNCTION		8/15/01	RL
660	PACK		8/14/01	DA

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. E6703492DATE 5-1-01TESTER 19A

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.74	2.52		2.33	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.79	2.53		2.32	
PULL #3	2.75	2.43		2.34	
PULL #4	2.75	2.46		2.35	
PULL #5	2.70	2.47		2.33	
TOTAL	1373	1241		1167	
AVG.	2.74	2.48		2.33	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.33	3.00		
PULL #2	3.32	3.28		
PULL #3	3.14	3.26		
PULL #4	3.23	3.19		
PULL #5	3.14	3.21		
TOTAL	1616	1594		
AVG.	3.23	3.18		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.18	4.22		4.16
PULL #2	4.18	4.07		4.00
PULL #3	4.21	4.18		4.09
PULL #4	4.19	4.07		4.03
PULL #5	4.16	4.15		4.05
TOTAL	2092	2069		2033
AVG.	4.18	4.13		4.06

BARBER - M24 0085144

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # e6703492
11 May 2001

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: $-.0616$
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: $-.1008$
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: $.118132$

THE AMR FOR THIS RIFLE IS: 1.041

CENTROIDAL DISTANCES

0 TO	1	.0414849
1 TO	2	.305369
1 TO	3	.277705
1 TO	4	.181246
1 TO	5	.0904268

2
5
4
3
←----POA

REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

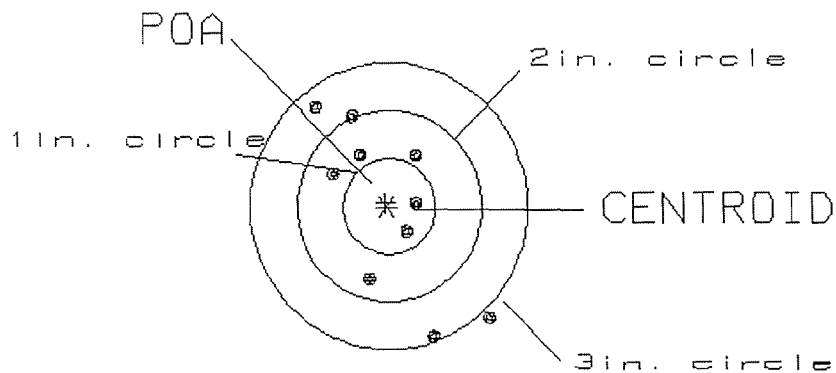
PATTERN #: ☐ 1 ☐

POA TO CENTROID: .041
 MIN RADIUS : .287
 MEAN RADIUS : .868
 MAX RADIUS : 1.593
 CENTROID X : .011
 CENTROID Y : -.040

11 May 2001

FILE://Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6703492

CENTERFIRE PATTERN # 1



OF SHOTS= 10

IN CIRCLE

MS= 1.90
 VS= 2.41
 GS= 2.96

2
 6
 9

REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

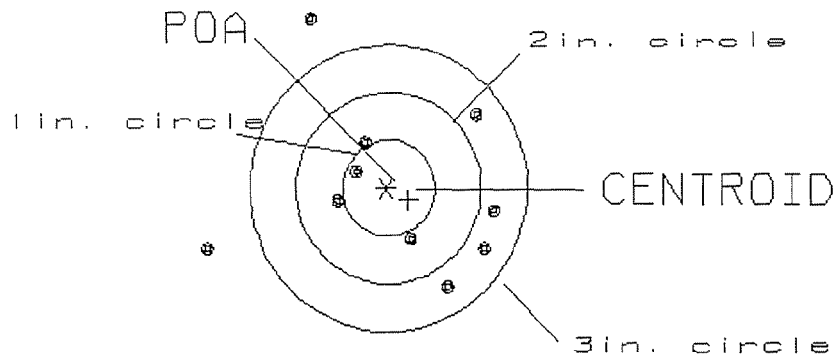
PATTERN #: 2

POA TO CENTROID: .275
 MIN RADIUS : .447
 MEAN RADIUS : 1.095
 MAX RADIUS : 2.024
 CENTROID X : -.242
 CENTROID Y : .131

11 May 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6703492

CENTERFIRE PATTERN # 2



OF SHOTS= 10

IN CIRCLE

HS= 3.04

1

VS= 2.82

4

GS= 3.20

8

REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

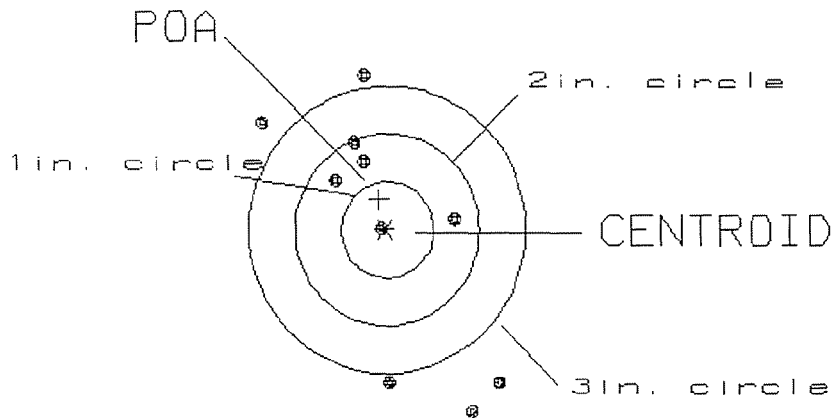
PATTERN #: ☐ 3 ☐

POA TO CENTROID: .319
MIN RADIUS : .026
MEAN RADIUS : 1.240
MAX RADIUS : 2.057
CENTROID X : .067
CENTROID Y : -.312

11 May 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6703492

CENTERFIRE PATTERN # 3



OF SHOTS= 10

IN CIRCLE

HS= 2.55
VS= 3.47
GS= 3.76

1
5
5

REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

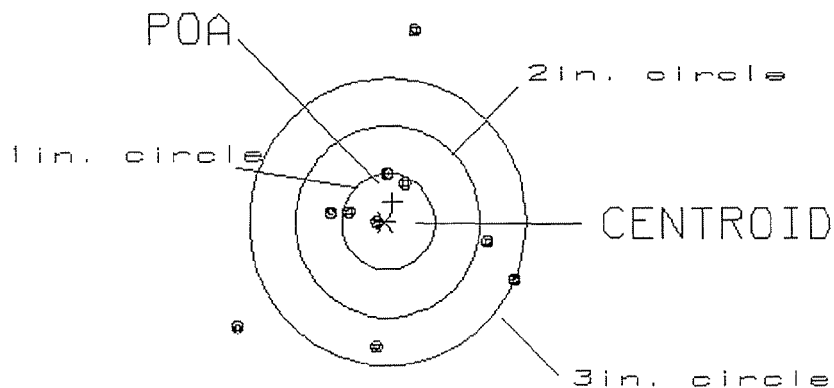
PATTERN #: 4

POA TO CENTROID: .213
 MIN RADIUS : .107
 MEAN RADIUS : 1.001
 MAX RADIUS : 1.997
 CENTROID X : -.076
 CENTROID Y : -.199

11 May 2001

FILE://Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6703492

CENTERFIRE PATTERN # 4



OF SHOTS= 10

IN CIRCLE

HS= 3.00
 VS= 3.29
 GS= 3.61

3
 5
 2

REMINGTON CENTERFIRE ACCURACY TEST

REMINGTON TEST LAB, ILION, N.Y.

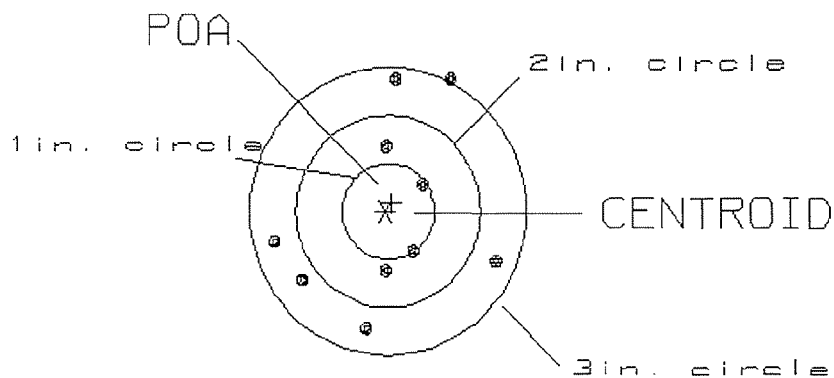
PATTERN #: 5

POA TO CENTROID: .108
MIN RADIUS : .453
MEAN RADIUS : 1.000
MAX RADIUS : 1.537
CENTROID X : -.068
CENTROID Y : -.084

11 May 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/e6703492

CENTERFIRE PATTERN # 5



OF SHOTS= 10

IN CIRCLE

HS= 2.33
VS= 2.62
GS= 2.76

2
4
9