

G 6285967

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: RE00135051

Serial: G6285967 Model M24 SWS Center Fire
with 26 inch barrel Caliber: 308 WIN W/SCOPE

Repairman:

Verify Repair

Status:

Closed 10/8/2007 8:49:36 AM

Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name: TSGT TEGARD

TSGT TEGARD

Address 1: 99SFG

99SFG

Address 2: 5503 PEASE AVE BLDG 1110

PO Box:

5503 PEASE AVE BLDG 1110

PO Box:

City: NELLIS AFB

NELLIS AFB

State: NV

Zip Code: 89191

Country: US

State: NV

Zip Code: 89191

Country: US

FFL:

Contact / Condition

Problems

Estimate

History / Status

Shipping / Billing

Contact Information

Phone: 702 652 9515

Fax:

Email:

Comments:

Received Condition

Fair

Condition
Notes:CSR
Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	3
A010	Hard Case	1
A016	Scope Rings	2
A017	Scope Base	1
A026	Scope	1
A045	BiPod	1
A057	Front and Rear Sgt Base	1

nagletj

10/8/2007

12:38 PM

CAPS

NUM

INS

SCRL



Serial Number: G6285967

Model: M24 SWS



RE00135051



DEPARTMENT OF THE AIR FORCE
HEADQUARTERS 99TH SECURITY FORCES GROUP (ACC)
NELLIS AIR FORCE BASE NEVADA

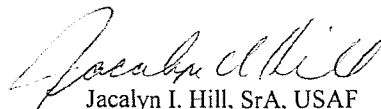
24 Sept 2007

TO: Remington Arms Co. Inc.

FROM: 99 SFG/SFTT

SUBJECT: Weapons Inspection Results

1. During a recent inspection, it was noted that M24, S/N G6285967 will not hold a zero at 100 meters. The problem could be with the scope, but exact discrepancy cannot be determined.
2. If you have any questions, please feel free to contact me at (702) 652-8175.


Jacalyn I. Hill, SrA, USAF
99SFG/CPEC

DEFENSOR FORTIS-"DEFENDERS OF THE FORCE"

M2400157103

AFTO FORM 105, 19800201 (IMT-V1)

M2400157104

AFTO FORM 105, FEB 80 (Reverse)

SHIPPING CONTAINER TALLY

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50

REQUISITION AND INVOICE / SHIPPING DOCUMENT										Form Approved OMB No 0704-0246 Expires Oct 31, 1991																																													
Public reporting burden for this collection of information is estimated to average 15 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden to Washington Headquarters, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0246), Washington, DC 20503.																																																							
1. FROM: (Include Zip Code) TSGT TEGARD 99 SFG NELLIS AFB, NV 89191						PHONE: (702) 652-9515 8175		SHEET NO. 1 NO OF SHEETS 1		5. REQUISITION DATE 24SEP2007		6. REQUISITION NUMBER FB48527267X013XXX																																											
						7. DATE MATERIAL REQUIRED (YYMMDD) 07/09/27		8. PRIORITY 1																																															
2. TO: (Include Zip Code)						9. AUTHORITY OR PURPOSE WEAPON REPAIR																																																	
3. SHIP TO - MARK FOR REMINGTON ARMS CO INC XR REMINGTON ARMS CO 14 HOEFLGER AVE ILION, NY 13357-1816						10. SIGNATURE 				11a. VOUCHER NUMBER & DATE (YYMMDD) TSGT TEGARD																																													
						12. DATE SHIPPED (YYMMDD)				b. 99 SFG																																													
						13. MODE OF SHIPMENT				14. BILL OF LADING NUMBER																																													
15. AIR MOVEMENT DESIGNATOR OR PORT REFERENCE NO.																																																							
4. APPROPRIATIONS SYMBOL AND SUBHEAD 5773400 307 7821 434390 01 619 27588F 667100 FA4861 ESP: ZA						OBJECT CLASS		EXPENDITURE (From)		ACCOUNT (To)		CHARGEABLE ACTIVITY		BUREAU CONTROL ACTIVITY NO.		BUREAU CONTROL NO.		AMOUNT																																					
<table border="1" style="width:100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>ITEM NO.</th> <th>FEDERAL STOCK NUMBER, DESCRIPTION, AND CODING OF MATERIAL AND / OR SERVICES</th> <th>UNIT OF ISSUE</th> <th>QUANTITY REQUESTED</th> <th>SUPPLY ACTION</th> <th>TYPE CONTAINER</th> <th>CON-TAINER NOS.</th> <th>UNIT PRICE</th> <th>TOTAL COST</th> </tr> <tr> <th>(a)</th> <th>(b)</th> <th>(c)</th> <th>(d)</th> <th>(e)</th> <th>(f)</th> <th>(g)</th> <th>(h)</th> <th>(i)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td> REMINGTON M 700 M24, 100501240213GG S/NG 628 5967 THIS DOCUMENT DOES NOT CONTAIN CLASSIFIED AND / OR HAZARDOUS MATERIALS </td> <td>EA</td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="9" style="height: 100px; vertical-align: middle; text-align: center;"> CAT 4 </td> </tr> </tbody> </table>																				ITEM NO.	FEDERAL STOCK NUMBER, DESCRIPTION, AND CODING OF MATERIAL AND / OR SERVICES	UNIT OF ISSUE	QUANTITY REQUESTED	SUPPLY ACTION	TYPE CONTAINER	CON-TAINER NOS.	UNIT PRICE	TOTAL COST	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	1	REMINGTON M 700 M24, 100501240213GG S/NG 628 5967 THIS DOCUMENT DOES NOT CONTAIN CLASSIFIED AND / OR HAZARDOUS MATERIALS	EA	1						CAT 4								
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16. TRANSPORTATION VIA MATS OR MSTs CHARGEABLE TO										17. SPECIAL HANDLING																																													
18. RECEIPT OF SHIPMENT		ISSUED BY 		TOTAL CONTAINERS 1	TYPE CONTAINER CT	DESCRIPTION 53X17X8			TOTAL WEIGHT	TOTAL CUBE 4	19. RECEIPT		CONTAINERS RECEIVED EXCEPT AS NOTED		DATE (YYMMDD)	BY	SHEET TOTAL																																						
		CHECKED BY 							QUANTITIES RECEIVED EXCEPT AS NOTED	DATE (YYMMDD)			BY	GRAND TOTAL																																									
		PACKED BY 							POSTED	DATE (YYMMDD)			BY	20. RECEIVER'S VOUCHER NO.																																									
← TOTAL →																																																							

SHIPPING CONTAINER TALLY

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50

REQUISITION AND INVOICE / SHIPPING DOCUMENT										Form Approved OMB No 0704-0246 Expires Oct 31, 1991																	
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CHECKED BY CFC																											
PACKED BY																											
TOTAL																											

DD Form 1149, MAR 89 (EF)
306/080

51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

Previous editions are obsolete.

M2400157106

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: G6285967.___0
FILE DATE AND TIME: 10/10/2007 11:05

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

ERROR - NOT POSSIBLE TO REPORT SWS STATS ON DATA
WHERE TOTAL TARGETS ARE NOT EQUAL TO FIVE

ave. mean .817

SERIAL NUMBER: G6285967. __0

TARGET NUMBER: 1

FILE DATE: 10/10/2007

FILE TIME: 11:05

X CENTROID: -0.228

Y CENTROID: 0.052

POA TO CENTROID: 0.234

HORZ SPREAD: 2.052

VERT SPREAD: 1.888

GROUP SPREAD: 2.788

MIN RADIUS: 0.189

MAX RADIUS: 1.779

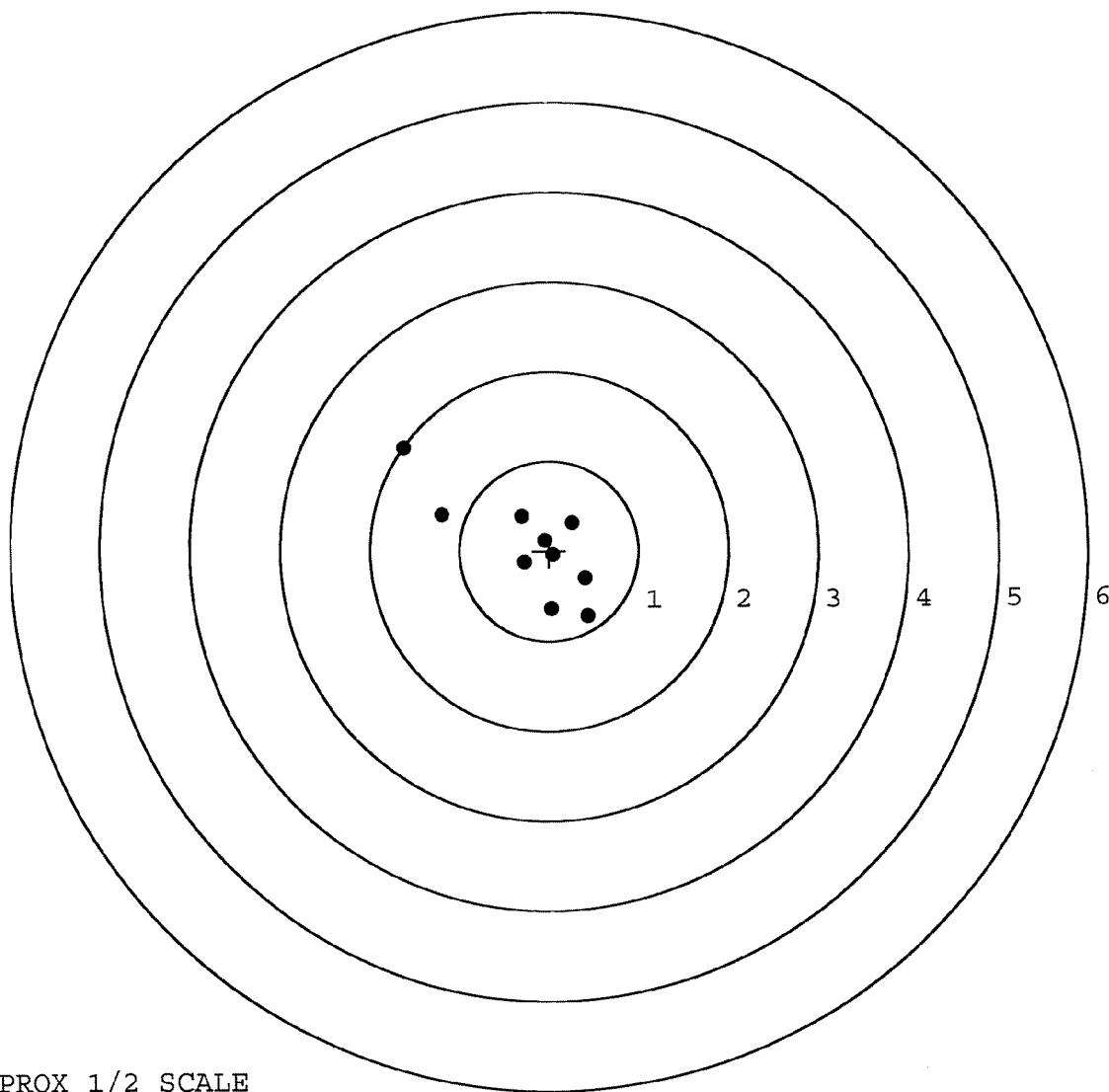
MEAN RADIUS: 0.689

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.432	-0.728
2:	0.023	-0.652
3:	0.406	-0.319
4:	0.266	0.313
5:	-0.303	0.391
6:	-0.049	0.115
7:	0.040	-0.049
8:	-0.280	-0.130
9:	-1.200	0.414
10:	-1.620	1.160

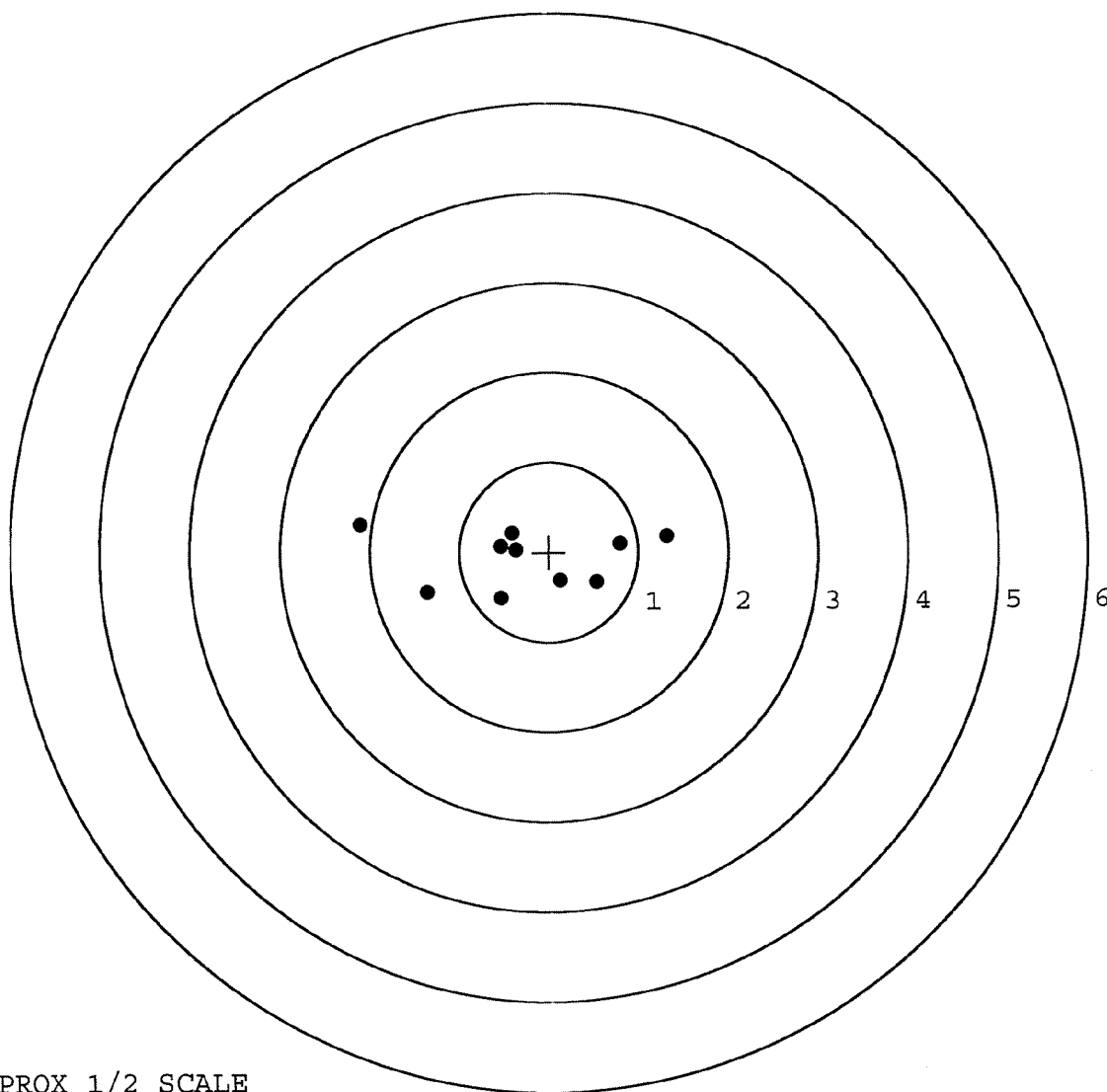


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6285967. __0
TARGET NUMBER: 2
FILE DATE: 10/10/2007
FILE TIME: 11:05

X CENTROID: -0.254
Y CENTROID: -0.070
POA TO CENTROID: 0.264
HORZ SPREAD: 3.428
VERT SPREAD: 0.834
GROUP SPREAD: 3.432
MIN RADIUS: 0.151
MAX RADIUS: 1.897
MEAN RADIUS: 0.833
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 8

POINT#	X	Y
1:	1.318	0.169
2:	0.798	0.093
3:	0.538	-0.339
4:	0.129	-0.317
5:	-0.536	-0.510
6:	-1.366	-0.436
7:	-2.110	0.324
8:	-0.369	0.028
9:	-0.536	0.071
10:	-0.408	0.216



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6285967. __0

TARGET NUMBER: 3

FILE DATE: 10/10/2007

FILE TIME: 11:05

POINT#	X	Y
1:	0.986	-0.011
2:	0.678	0.572
3:	0.725	0.321
4:	0.470	0.202
5:	0.414	-0.126
6:	-0.598	0.044
7:	-0.623	-0.309
8:	-0.958	0.253
9:	-1.398	-0.601
10:	-1.713	0.754

X CENTROID: -0.202

Y CENTROID: 0.110

POA TO CENTROID: 0.230

HORZ SPREAD: 2.699

VERT SPREAD: 1.355

GROUP SPREAD: 2.805

MIN RADIUS: 0.402

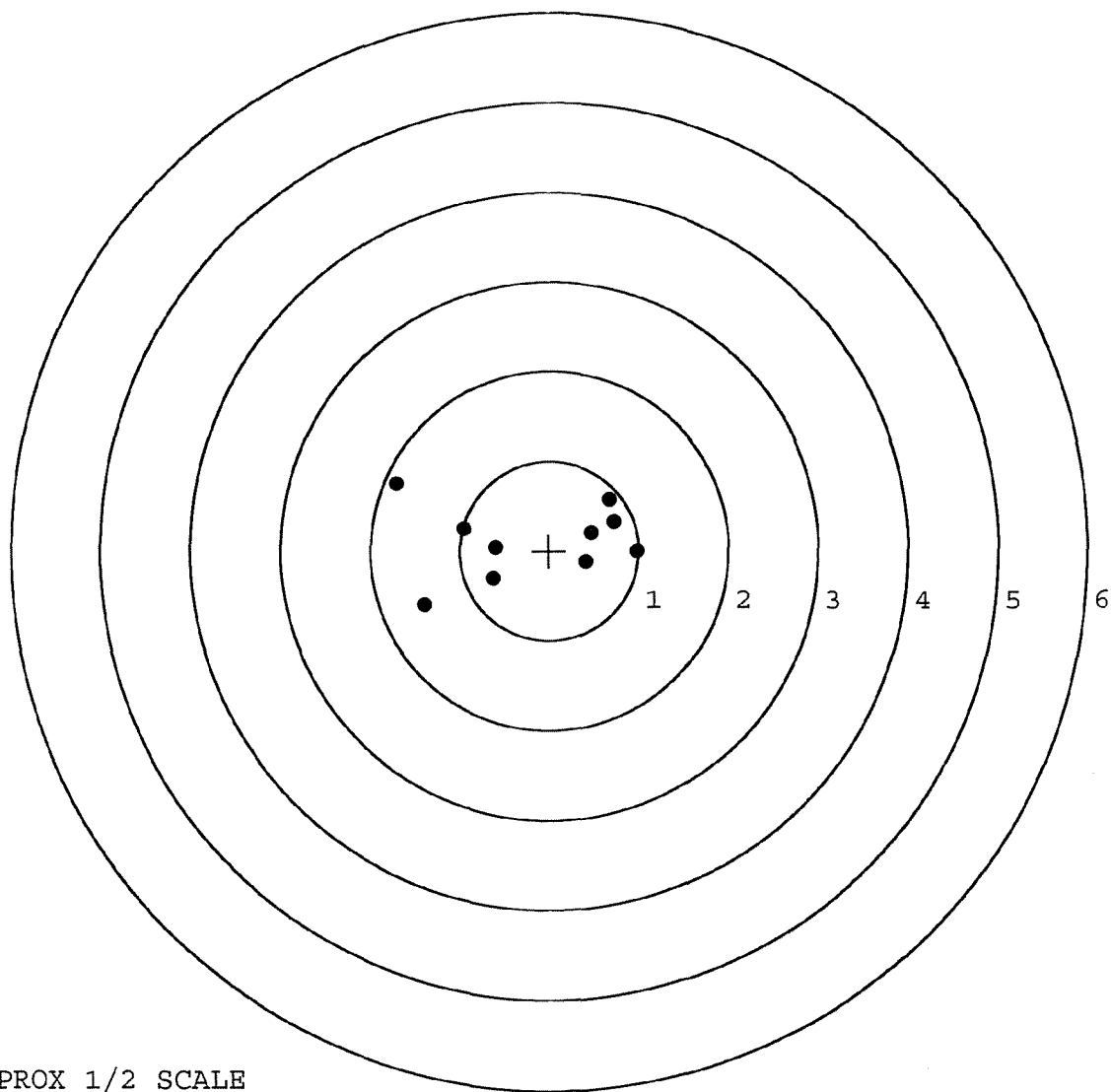
MAX RADIUS: 1.643

MEAN RADIUS: 0.928

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

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

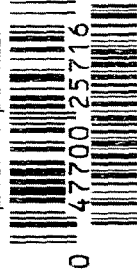
R & E NUMBER <u>135051</u>			
SERIAL NUMBER <u>G6285967</u>			
LOG-IN DATE <u>10-8-07</u>			
OPERATION #	OPERATION NAME		DATE INITIAL
500	DIS-ASSEMBLE GUN		
505	RE-BARREL		
560	ASSEMBLE		
600	PROOF		
605	CHECK HEADSPACE		
610	DIS-ASSEMBLE GUN		
612	MAGNAFLUX		
510	DRILL AND TAP		
615	ROLLMARK CALIBER		
618	ROTO-BLAST		
620	APPLY COATINGS		
625	FINAL ASSEMBLY		
640	FUNCTION TEST AND	<u>PASS</u> FAIL	10-10-07 TRW
650	TARGET	<u>PASS</u> FAIL	10-10-07 TRW
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION		10-10-07 FM
	A) HEADSPACE	PASS FAIL	
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS MAX	
	G) SAFETY OFF FORCE	2 LBS MIN	
	I) FIRING PIN INDENT	.020	
690	PACK		11-5-07 RA

M/24 7.62 NATO S.W.S. (COMPLETE SYSTEM)
BOLT ACTION CENTERFIRE RIFLE
24" BARREL 7.62 NATO

- INSTRUCTION BOOK 3518

DD FORM

proof of purchase



owner registration sticker



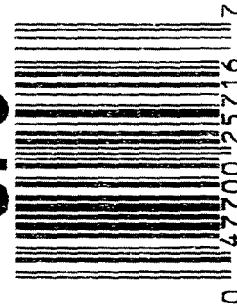
ORDER NO. 25716

BARREL LENGTH 24"

CAPACITY 6

G6285967

UPC



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

Remington®

**M/24 7.62 NATO S.W.S. (COMPLETE SYSTEM)
BOLT ACTION CENTERFIRE RIFLE
24" BARREL 7.62 NATO**

SERIAL NO.
66285967

ORDER NO.
25716

DD
Made in Illinois, U.S. Pat. & Tm. Off. Marks Registered. Please Dispose.

09XX



ORDER 25716

M/24 7.62 NATO S.W.S. (COMPLETE SYST

UPC



ORDER 25716

M/24 7.62 NATO S.W.S. (COMPLETE SYST

UPC



SERIAL NO.



M-24
INSPECTION CHECKLIST-NEW GUNS

GUN SERIAL # G6285967

OP #	OPERATION NAME	READINGS	DATE	INITIAL
575 & 580	ASSEMBLE ACTION AND STOCK		11-6-03	RTZ
600	PROOF		11-7-03	AC
607	CHECK HEADSPACE	MAGNA-FLUX INSPECTED	11-17-03	AC
610	DIS-ASSEMBLE GUN	NOV 07 2003	11-7-03	RTZ
612	MAGNAFLUX BBL ACTION MAGNAFLUX BOLT	OPERATOR <u>BS</u>	11-7-03	
615	ROLLMARK CALIBER		11-20-03	BS
617	DRILL AND TAP SIGHT HOLES		11-7-03	TRW
620	APPLY COATINGS (BARREL ACTION)		11/14	HP
	(BOLT)			
625	FINAL ASSEMBLY			
	A) CLEAN INSIDE OF BOLT ASSEMBLY		11-9-03	RTZ
	B) INSPECT REAR FIRING PIN HOLE FOR CHAMFER IN BOLT HEAD		11-10-03	RTZ
	C) INSPECT EJECTOR HOLE FOR CHAMFER		11-19-03	RP
	D) OIL FIRING PIN ASSEMBLY		11-19-03	RP
	E) ADJUST TRIGGER PULL TO MIN. SETTING AND STAKE	2.50 LBS +/- .5 LBS		

OP #	OPERATION NAME	READINGS	DATE	INITIAL
625	F) SAFETY ON FORCE 2 LBS MIN 10 LBS MAX	<u>6.5</u> <u>6.5</u> <u>6.5</u>	12/3/03	RW
CONT.				
	G) SAFETY OFF FORCE 2 LBS MIN	<u>2.5</u> <u>2.5</u> <u>2.5</u>	12/3/03	RW
	H) TRIGGER PULL TEST AND RETAINABILITY			
	I) FIRING PIN INDENT .020 MIN	<u>.0235</u> <u>.0225</u> <u>.023</u>	12/3/03	RW
	J) ASSEMBLE STOCK		11-20-03	RTL
	K) ASSEMBLE SWIVEL STUDS		12-5-03	RR
	L) ATTACH FRONT AND REAR SIGHT ASSY'S		11-20-03	RTL
	M) IRON SIGHT ALIGNMENT		11-20-03	RTL
	N) DETACH FRONT AND REAR SIGHTS AND PLACE IN NUMBERED CONTAINER		11-20-03	RTL
640	GALLERY TEST AND TARGET	PASS FAIL	11-21-03	A
	MALFUNCTION	CORRECTION	11-21-03	A
	MALFUNCTION	CORRECTION	11-21-03	A
	MALFUNCTION	CORRECTION	11-21-03	A
	MALFUNCTION	CORRECTION	11-21-03	A
645	INSPECT FOR LIVE AMMO		11-21-03	A
655	FINAL INSPECTION A) HEADSPACE		12-5-03	RR
	B) TRIGGER PULL +/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	<u>2.30</u> <u>2.07</u> <u>2.05</u> <u>2.00</u> <u>1.99</u>	12/3/03	RW
	C) FUNCTION		12-5-03	RR
660	PACK		12/6/03	RAA

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)

SERIAL NO. _____

DATE 11-20-03

TESTER TRW

	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50 LBS		COMMENTS
PULL #1	2.59	2.73		2.40	
PULL #2	2.52	2.75		2.49	
PULL #3	2.65	2.51		2.37	
PULL #4	2.76	2.41		2.50	
PULL #5	2.63	2.71		2.20	
TOTAL	13.15	13.11		11.96	
AVERAGE	2.63	2.62		2.39	

	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES		COMMENTS
PULL #1	3.23	3.15		
PULL #2	3.33	3.06		
PULL #3	3.35	2.90		
PULL #4	3.37	2.99		
PULL #5	3.24	2.96		
TOTAL	16.52	15.06		
AVERAGE	3.24	3.01		

	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	4.26	4.06		4.34
PULL #2	4.36	4.20		4.49
PULL #3	4.34	4.09		4.20
PULL #4	4.21	4.08		4.43
PULL #5	4.11	3.97		4.17
TOTAL	21.28	20.40		21.63
AVERAGE	4.25	4.08		4.32

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: G6285967.__0
FILE DATE AND TIME: 11/21/2003 10:26

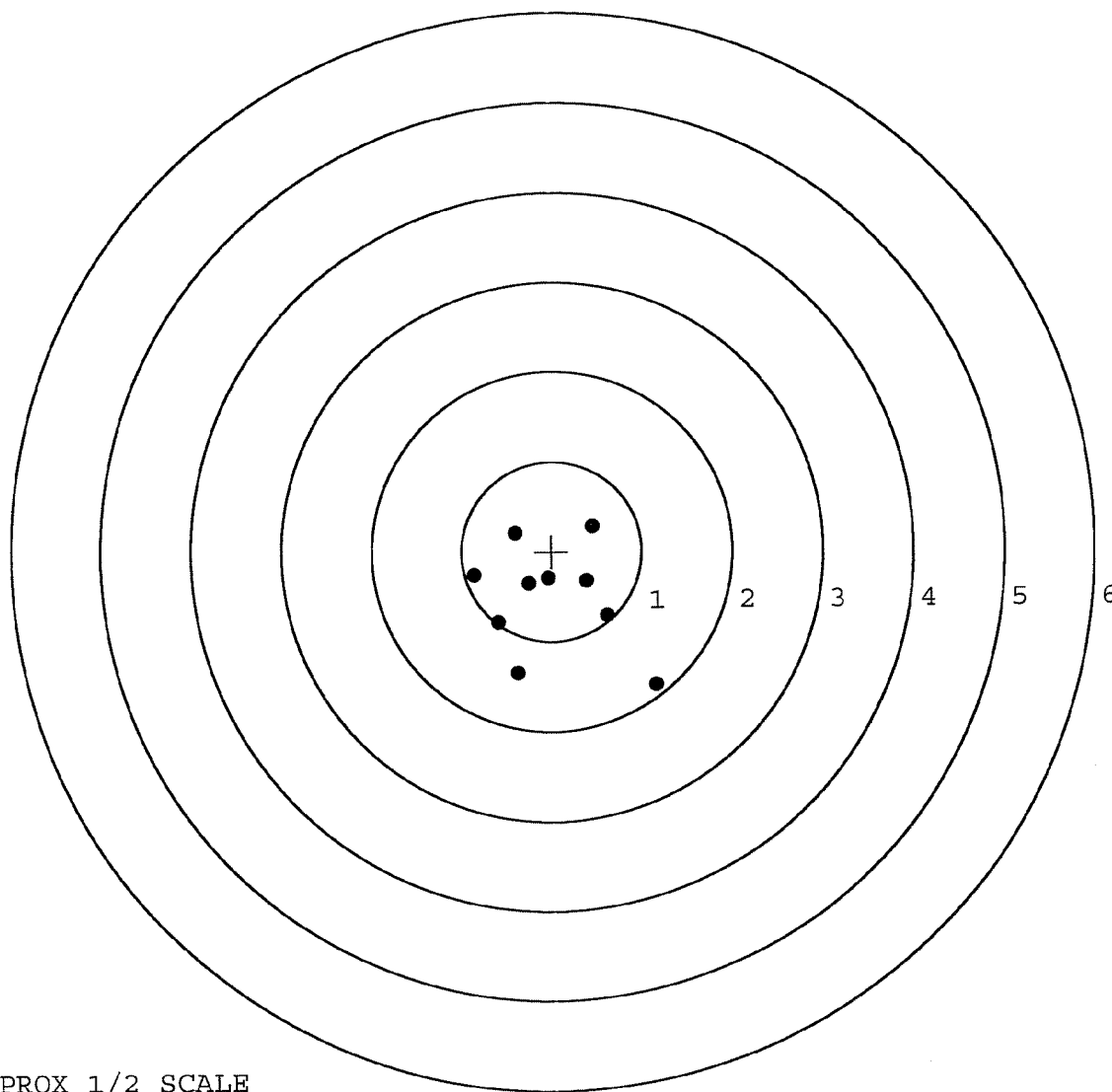
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.242
The Average Y Centroid of the Five Target Set:	-0.167
The Average Point of Impact of the Five Target Set:	0.294
The Average Mean Radius of the Five Target Set:	0.784
The Distance from POA to Centroid Target #1:	0.515
The Distance from Centroid Target #2 to Centroid Target #1:	0.597
The Distance from Centroid Target #3 to Centroid Target #1:	0.502
The Distance from Centroid Target #4 to Centroid Target #1:	0.295
The Distance from Centroid Target #5 to Centroid Target #1:	0.788

SERIAL NUMBER: G6285967. 0
TARGET NUMBER: 1
FILE DATE: 11/21/2003
FILE TIME: 10:26

POINT#	X	Y
1:	0.460	0.276
2:	-0.405	0.208
3:	-0.865	-0.264
4:	-0.595	-0.791
5:	-0.384	-1.357
6:	-0.259	-0.366
7:	-0.045	-0.300
8:	0.388	-0.338
9:	0.615	-0.724
10:	1.147	-1.497

X CENTROID: 0.006
Y CENTROID: -0.515
POA TO CENTROID: 0.515
HORZ SPREAD: 2.012
VERT SPREAD: 1.773
GROUP SPREAD: 2.360
MIN RADIUS: 0.221
MAX RADIUS: 1.505
MEAN RADIUS: 0.733
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6285967.___0

TARGET NUMBER: 2

FILE DATE: 11/21/2003

FILE TIME: 10:26

X CENTROID: 0.513

Y CENTROID: -0.201

POA TO CENTROID: 0.551

HORZ SPREAD: 1.236

VERT SPREAD: 2.255

GROUP SPREAD: 2.394

MIN RADIUS: 0.162

MAX RADIUS: 1.244

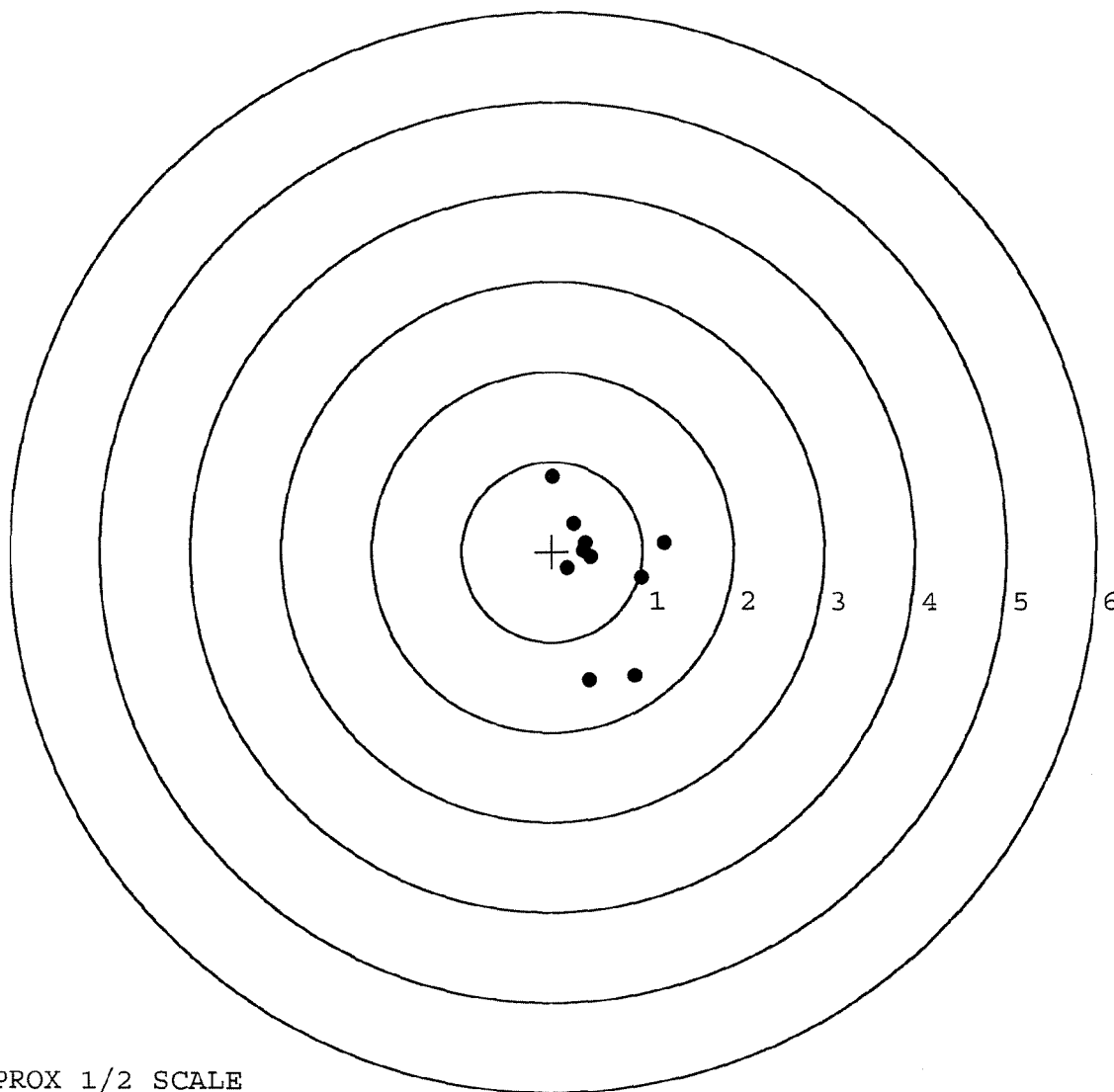
MEAN RADIUS: 0.656

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.003	0.835
2:	1.239	0.089
3:	0.988	-0.297
4:	0.917	-1.378
5:	0.414	-1.420
6:	0.242	0.308
7:	0.432	-0.061
8:	0.375	0.097
9:	0.170	-0.189
10:	0.354	0.008

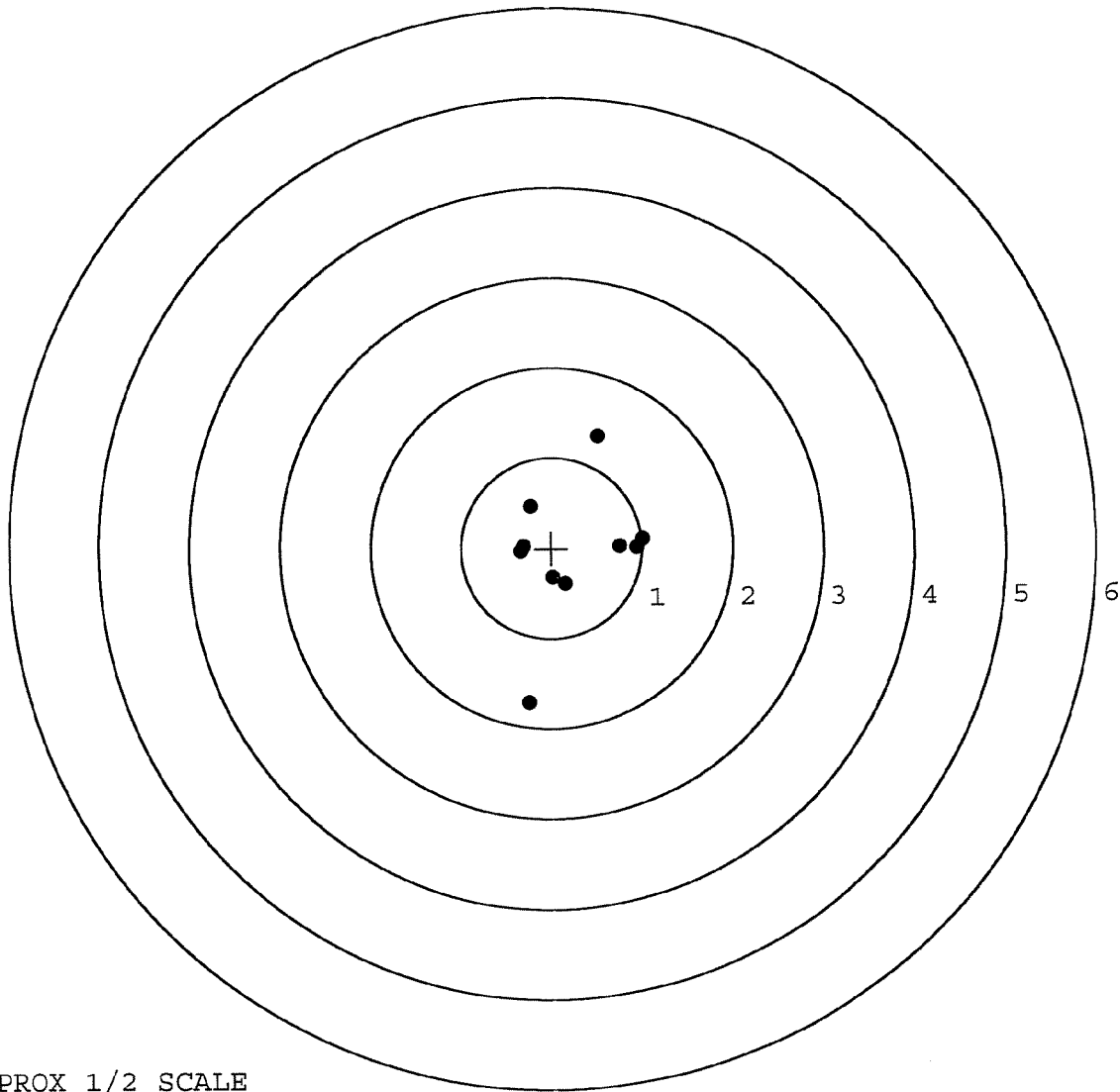


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6285967. __0
TARGET NUMBER: 3
FILE DATE: 11/21/2003
FILE TIME: 10:26

X CENTROID: 0.226
Y CENTROID: -0.065
POA TO CENTROID: 0.236
HORZ SPREAD: 1.356
VERT SPREAD: 2.945
GROUP SPREAD: 3.047
MIN RADIUS: 0.334
MAX RADIUS: 1.720
MEAN RADIUS: 0.759
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	1.011	0.094
2:	0.759	0.016
3:	0.525	1.229
4:	-0.257	-1.716
5:	0.156	-0.395
6:	0.018	-0.326
7:	-0.311	0.026
8:	-0.232	0.463
9:	0.941	-0.001
10:	-0.345	-0.039

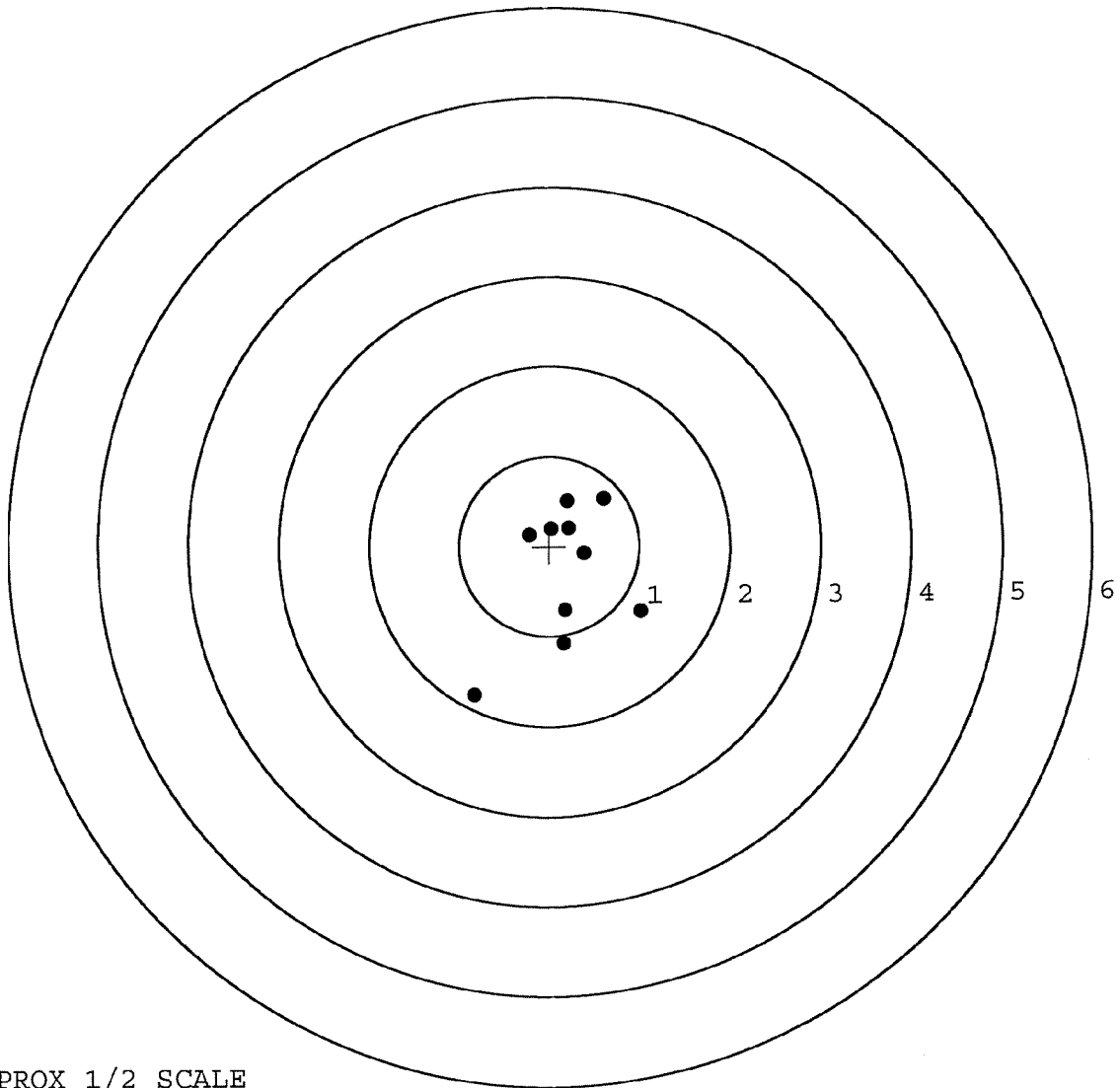


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6285967.___0
TARGET NUMBER: 4
FILE DATE: 11/21/2003
FILE TIME: 10:26

X CENTROID: 0.173
Y CENTROID: -0.273
POA TO CENTROID: 0.323
HORZ SPREAD: 1.858
VERT SPREAD: 2.169
GROUP SPREAD: 2.611
MIN RADIUS: 0.287
MAX RADIUS: 1.711
MEAN RADIUS: 0.744
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.609	0.521
2:	1.013	-0.737
3:	-0.845	-1.648
4:	0.155	-1.093
5:	0.175	-0.718
6:	0.391	-0.086
7:	-0.224	0.131
8:	0.210	0.503
9:	0.025	0.194
10:	0.221	0.204



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6285967.___0

TARGET NUMBER: 5

FILE DATE: 11/21/2003

FILE TIME: 10:26

X CENTROID: 0.292

Y CENTROID: 0.218

POA TO CENTROID: 0.365

HORZ SPREAD: 1.936

VERT SPREAD: 2.745

GROUP SPREAD: 3.251

MIN RADIUS: 0.530

MAX RADIUS: 1.982

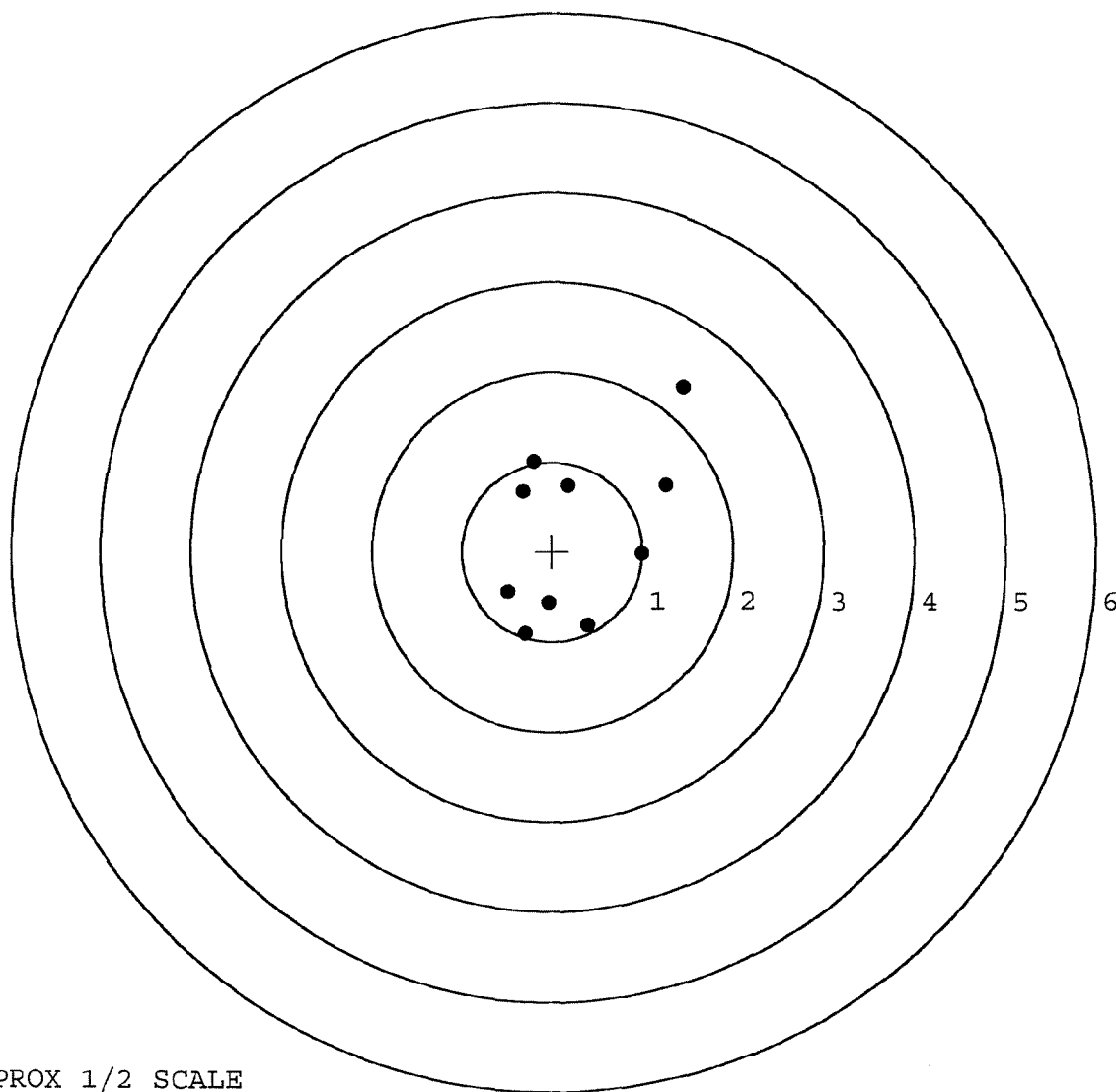
MEAN RADIUS: 1.027

IN 1 IN DIAMETER: 0

IN 2 IN DIAMETER: 5

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	1.446	1.830
2:	1.258	0.736
3:	0.998	-0.031
4:	0.401	-0.821
5:	-0.045	-0.579
6:	-0.296	-0.915
7:	-0.490	-0.448
8:	-0.207	1.006
9:	-0.324	0.669
10:	0.181	0.737



TARGET APPROX 1/2 SCALE