

C6587663

MODEL 700™ M24

Model **S&S**™

Action

Barrel Length

Capacity

Order No.

5715

*Includes 1 in chamber.

Remington

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: **RE00127454** Serial: C6587663 Model M24 SWS Center Fire Caliber: 308 WIN Repairman: Status: Closed 3/30/2007 9:50:03 AM

Verify Repair

Address Information

Customer: Received From Return To: Received From

Name: CO C 1ST / 20TH S.F.G. CO C 1ST / 20TH S.F.G.

Address 1: MASSACHUSETTS ARMY NATIONAL GUARD MASSACHUSETTS ARMY NATIONAL GUARD

Address 2: 1505 ROOSEVELT AVENUE PO Box: 1505 ROOSEVELT AVENUE PO Box:

City: SPRINGFIELD SPRINGFIELD

State: MA Zip Code: 01109-2438 Country: US State: MA Zip Code: 01109-2438 Country: US

FFL:

Contact / Condition Problems Estimate History / Status Shipping / Billing

Contact Information

Phone: NN

Fax:

Email:

Comments:

Received Condition

Fair

Condition Notes:

CSR Notes:

Accessories Received

Code	Desc	Qt
A006	Sling Strap	1
A007	With Stud	3
A010	Hard Case	1
A017	Scope Base	1
A026	Scope	1
A045	Bi Pod	1
B000	FRONT/REAR BASE	1
R001	DEPI OYMENT KIT	1

Repair Search Refresh Close

magletj 3/30/2007 11:12 AM CAPS NUM INS SCRL

Serial Number: **C6587663**

Model: **M24 SWS**



RE00127454

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 002499924798

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6587663.___0
FILE DATE AND TIME: 05/09/2007 01:17

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

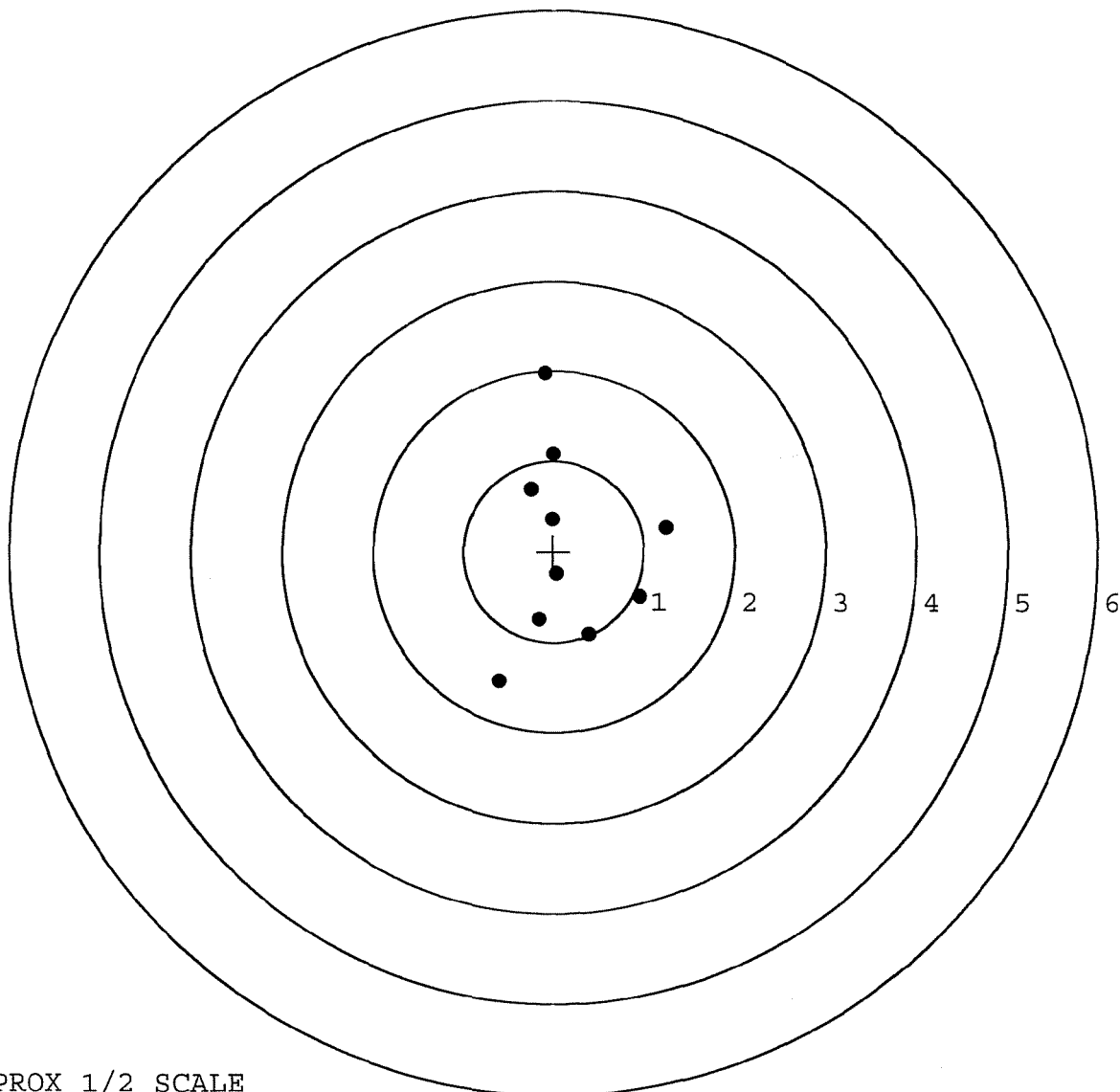
The Average X Centroid of the Five Target Set:	0.161
The Average Y Centroid of the Five Target Set:	-0.199
The Average Point of Impact of the Five Target Set:	0.256
The Average Mean Radius of the Five Target Set:	0.957
The Distance from POA to Centroid Target #1:	0.159
The Distance from Centroid Target #2 to Centroid Target #1:	0.263
The Distance from Centroid Target #3 to Centroid Target #1:	0.365
The Distance from Centroid Target #4 to Centroid Target #1:	0.743
The Distance from Centroid Target #5 to Centroid Target #1:	0.117

BARBER - M24 0024761

SERIAL NUMBER: C6587663. __0
TARGET NUMBER: 1
FILE DATE: 05/09/2007
FILE TIME: 01:17

POINT#	X	Y
1:	0.006	1.078
2:	-0.249	0.687
3:	-0.015	0.364
4:	0.036	-0.245
5:	-0.165	-0.753
6:	0.395	-0.912
7:	0.954	-0.496
8:	1.242	0.267
9:	-0.604	-1.440
10:	-0.095	1.971

X CENTROID: 0.150
Y CENTROID: 0.052
POA TO CENTROID: 0.159
HORZ SPREAD: 1.846
VERT SPREAD: 3.411
GROUP SPREAD: 3.449
MIN RADIUS: 0.318
MAX RADIUS: 1.935
MEAN RADIUS: 1.001
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 8



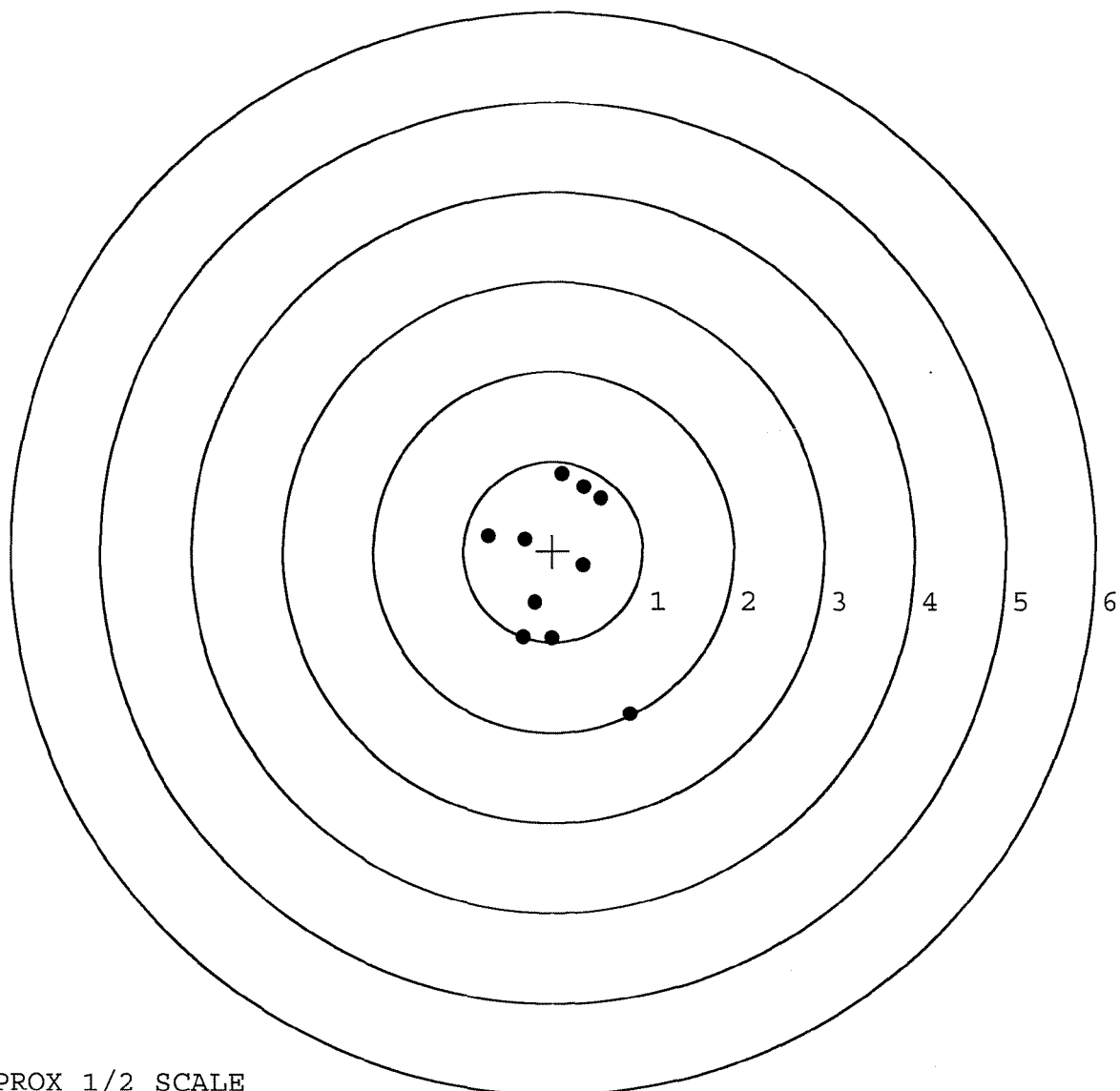
TARGET APPROX 1/2 SCALE

BARBER - M24 0024762

SERIAL NUMBER: C6587663. __0
TARGET NUMBER: 2
FILE DATE: 05/09/2007
FILE TIME: 01:17

POINT#	X	Y
1:	0.105	0.865
2:	0.347	0.726
3:	0.539	0.597
4:	-0.721	0.175
5:	-0.319	0.136
6:	0.345	-0.155
7:	-0.206	-0.573
8:	-0.339	-0.953
9:	-0.020	-0.966
10:	0.855	-1.799

X CENTROID: 0.059
Y CENTROID: -0.195
POA TO CENTROID: 0.203
HORZ SPREAD: 1.576
VERT SPREAD: 2.664
GROUP SPREAD: 2.768
MIN RADIUS: 0.289
MAX RADIUS: 1.791
MEAN RADIUS: 0.849
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 9



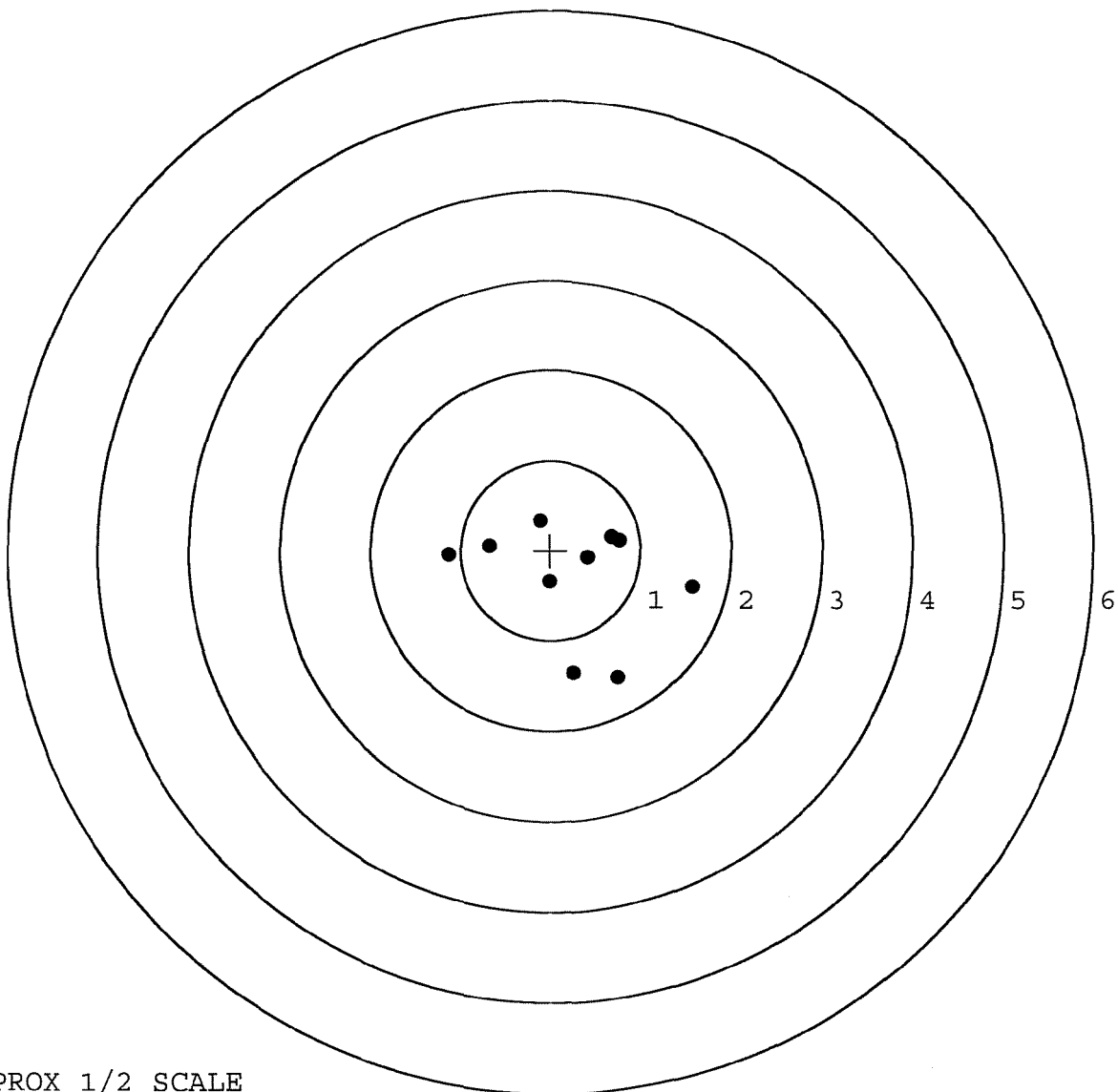
TARGET APPROX 1/2 SCALE

BARBER - M24 0024763

SERIAL NUMBER: C6587663. __0
TARGET NUMBER: 3
FILE DATE: 05/09/2007
FILE TIME: 01:17

POINT#	X	Y
1:	-1.133	-0.050
2:	-0.686	0.059
3:	-0.114	0.331
4:	-0.007	-0.348
5:	0.415	-0.074
6:	0.676	0.157
7:	1.570	-0.403
8:	0.750	-1.417
9:	0.262	-1.365
10:	0.761	0.115

X CENTROID: 0.249
Y CENTROID: -0.300
POA TO CENTROID: 0.390
HORZ SPREAD: 2.703
VERT SPREAD: 1.748
GROUP SPREAD: 2.726
MIN RADIUS: 0.261
MAX RADIUS: 1.405
MEAN RADIUS: 0.857
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 5
in 3 IN DIAMETER: 10



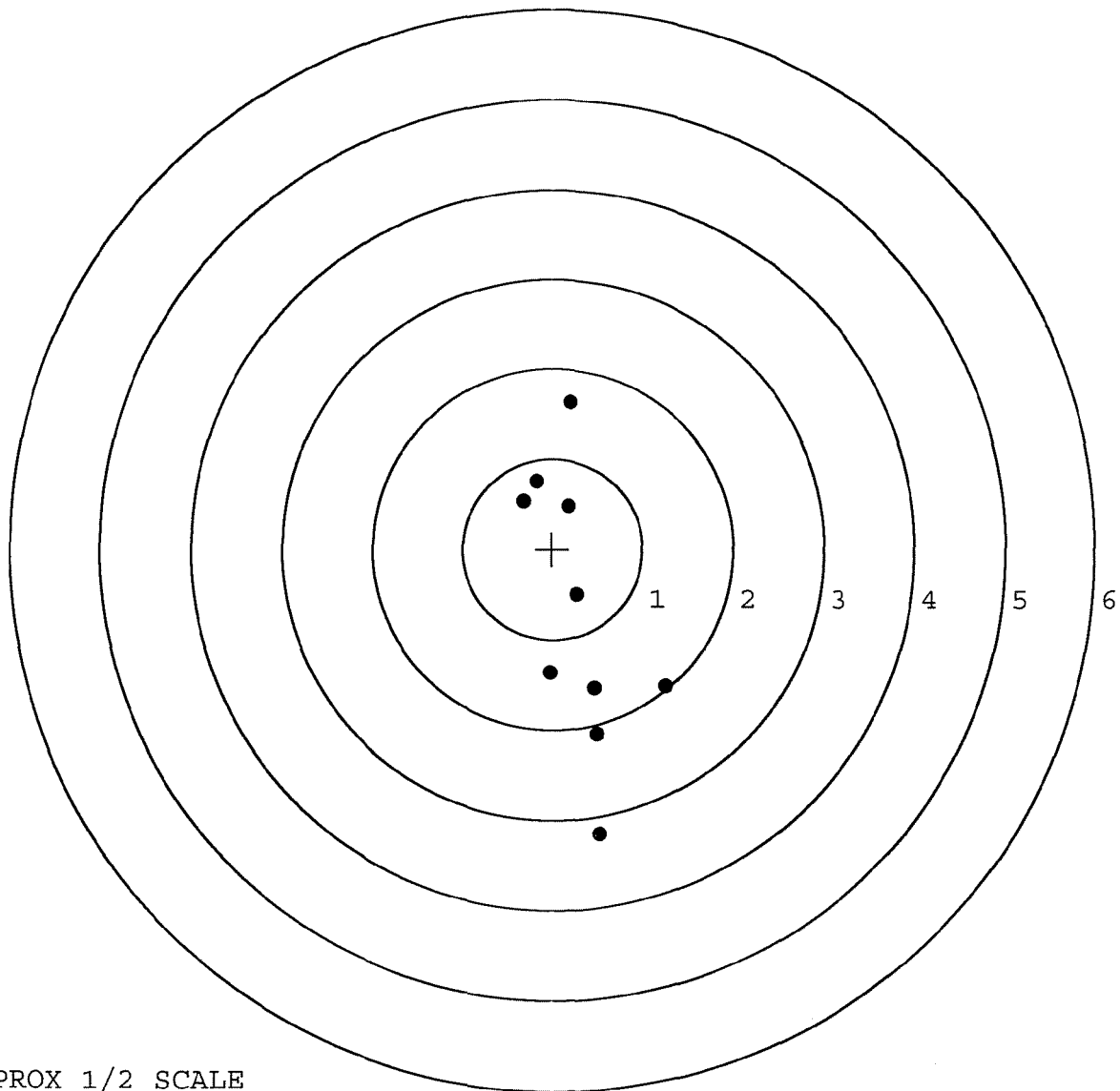
TARGET APPROX 1/2 SCALE

BARBER - M24 0024764

SERIAL NUMBER: C6587663. __0
TARGET NUMBER: 4
FILE DATE: 05/09/2007
FILE TIME: 01:17

POINT#	X	Y
1:	-0.325	0.528
2:	-0.179	0.750
3:	0.181	0.475
4:	0.203	1.624
5:	0.278	-0.501
6:	-0.025	-1.375
7:	0.467	-1.546
8:	1.260	-1.526
9:	0.496	-2.052
10:	0.531	-3.155

X CENTROID: 0.289
Y CENTROID: -0.678
POA TO CENTROID: 0.737
HORZ SPREAD: 1.585
VERT SPREAD: 4.779
GROUP SPREAD: 4.790
MIN RADIUS: 0.177
MAX RADIUS: 2.489
MEAN RADIUS: 1.331
IN 1 IN DIAMETER: 1
IN 2 IN DIAMETER: 3
in 3 IN DIAMETER: 7



TARGET APPROX 1/2 SCALE

BARBER - M24 0024765

SERIAL NUMBER: C6587663. __0

TARGET NUMBER: 5

FILE DATE: 05/09/2007

FILE TIME: 01:17

X CENTROID: 0.058

Y CENTROID: 0.124

POA TO CENTROID: 0.137

HORZ SPREAD: 2.139

VERT SPREAD: 1.391

GROUP SPREAD: 2.355

MIN RADIUS: 0.260

MAX RADIUS: 1.660

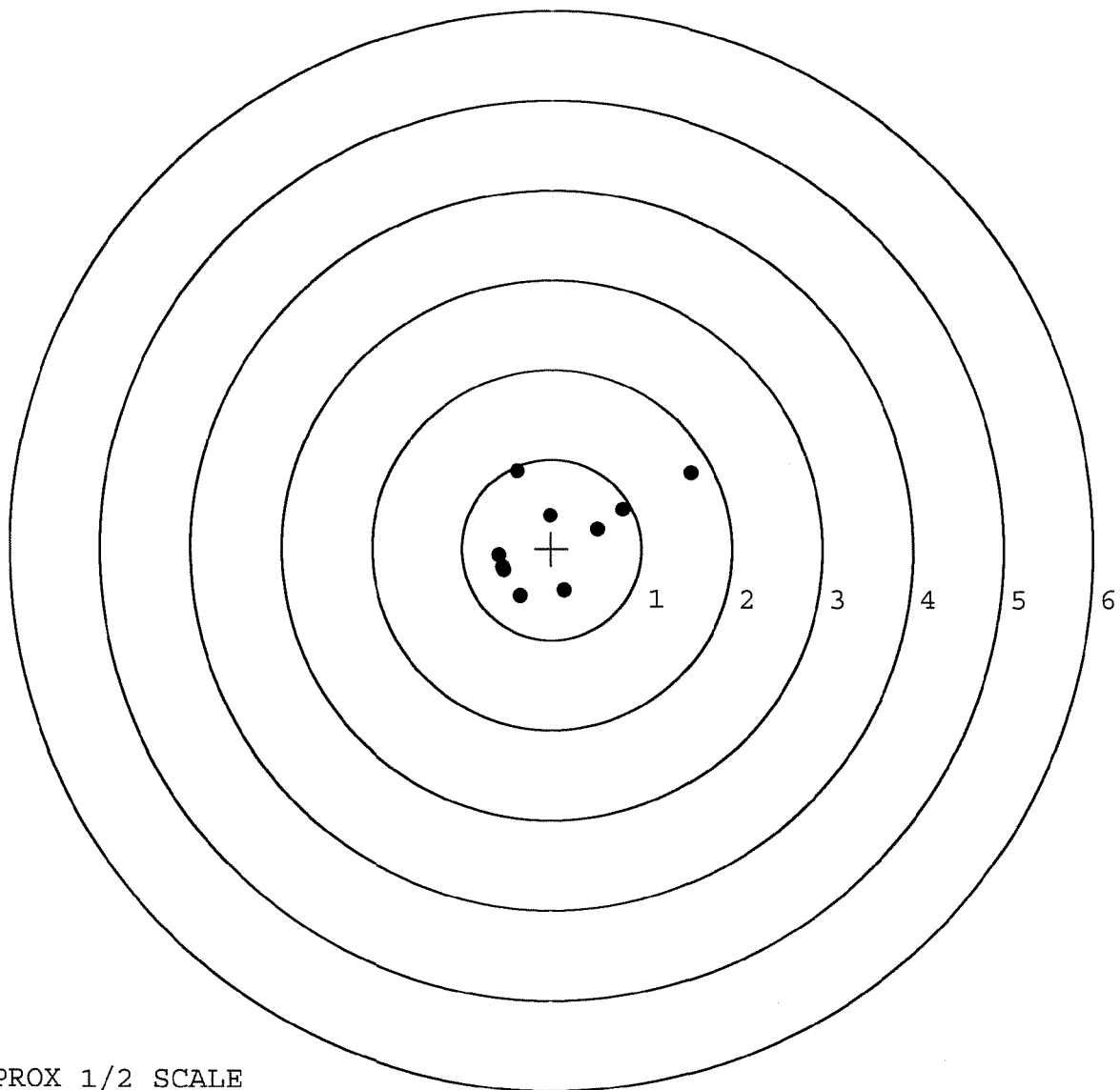
MEAN RADIUS: 0.748

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	-0.386	0.869
2:	-0.020	0.372
3:	-0.591	-0.080
4:	-0.538	-0.239
5:	-0.347	-0.522
6:	0.146	-0.465
7:	0.519	0.216
8:	0.797	0.436
9:	1.548	0.855
10:	-0.548	-0.201



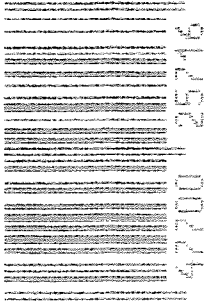
TARGET APPROX 1/2 SCALE

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

R & E NUMBER	127454		
SERIAL NUMBER	C6587663		
LOG-IN DATE	3-30-07		
OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	4-17-07	RTZ
505	RE-BARREL	4-20-07	RTZ
560	ASSEMBLE	4-19-07	TRW
600	PROOF	4-19-07	TRW
605	CHECK HEADSPACE	4-19-07	TRW
610	DIS-ASSEMBLE GUN	4-20-07	RTZ
612	MAGNAFLUX	4/20/07	WWS
510	DRILL AND TAP	4-24-07	TRW
615	ROLLMARK CALIBER	4-24-07	CW
618	ROTO-BLAST	4-24-07	LB
620	APPLY COATINGS	4-27-07	WJ
625	FINAL ASSEMBLY	5-7-07	RTZ
640	FUNCTION TEST AND	PASS FAIL	5/8/07 mon
650	TARGET	PASS FAIL	5/8/07 mon
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION		5-11-07 RTZ
	A) HEADSPACE	PASS FAIL	5-11-07 RTZ
	B) TRIGGER PULL	2.78 2.70 2.70 2.72 2.77	5-9-07 TRW
680	F) SAFETY ON FORCE	5.0 5.25 5.25	5-9-07 TRW
	G) SAFETY OFF FORCE	2.25 2.5 2.25	5-9-07 TRW
	I) FIRING PIN INDENT	.0235 .0225 .0225	5-9-07 TRW
690	PACK		5-14-07 RA

BARBER - M24 0024767

UPC



0 4700 25716 7

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



Remington®

MODEL 700™ M24

SERIAL NO.
C6587663

ORDER NO.
5716

20

MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.

5716 C6587663

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 0024767 0024806

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C 6587663

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		10/24/90	Kd
600	Proof		10/24/90	Kd
607	Check Headspace		10/24/90	Kd
610	Dis-assemble Gun		10/24/90	Kd
612	Magnaflux Barrel Action		10/30/90	KR
	Magnaflux Bolt		"	KR
615	Rollmark Caliber		"	HL
617	Drill and Tap Sight Holes		11/6/90	K-05
618	Polish Barrel <i>AB</i>		11/7/90	W/B
620	Apply Coatings (Barrel Action)		11-26-90	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		1/18/91	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		1/18/91	KS
	C) Inspect Ejector Hole for Chamfer		1/18/91	KS
	D) Oil Firing Pin Ass'y		1/18/91	KS
	E) Adjust Trigger Pull to Min Setting and Stake		1/21/91	JA

Op. #	NAME	READINGS					DATE	INIT
625 cont.	BARBER, M24 0024769							
	F) Safety On Force	5	5	5			1/21/91	WB
	G) Safety Off Force	2 3/4	2 3/4	2 3/4			1/21/91	WB
	H) Trigger Pull Test & Retainability						1/21/91	JL
	I) Firing Pin Indent	.0205	.021	.021			1/21/91	WB
	J) Assemble Stock						1/21/91	KS
	K) Assemble Swivel Studs						2-4-91	K
	L) Attach Front and Rear Sight Assemblies						1/21/91	KS
	M) Iron Sight Alignment						1/21/91	KS
	N) Detach Front & Rear Sights & place in numbered container						1/21/91	KS
	O) Attach Scope to Rifle						1/21/91	KS
	P) Detach & Attach Scope 20 Times						1/21/91	KS
640	Gallery Target & Test						1-21-91	DH
	A) Time						1-21-91	DH
	B) Malfunctions						1-21-91	DH
	C) Pierced Primers						1-21-91	DH
	D) Optical Clarity of Scope						1-21-91	DH
645	Inspect for Live Ammo						1-21-91	DH
655	Final Inspection							
	A) Headspace						2-4-91	K
	B) Trigger Pull	2.30	2.31	2.19	2.30	2.25	1-22-91	JL
	C) Function						2-4-91	AC
660	Pack						3-19-91	N

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS
2.50# ± .50#
3.00# ± .75#
4.00# ± 1.00#

SERIAL NO. C6587663DATE 1-21-91TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.45	2.46	2.40	2.30	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.46	2.28	2.46	2.31	
PULL #3	2.31	2.48	2.42	2.19	
PULL #4	2.44	2.45	2.44	2.30	
PULL #5	2.24	2.44	2.44	2.25	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.33	3.14		
PULL #2	3.29	3.32		
PULL #3	3.36	3.24		
PULL #4	3.32	3.33		
PULL #5	3.33	3.24		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	-RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.19	4.35		4.36
PULL #2	4.24	4.21		4.28
PULL #3	4.21	4.29		4.30
PULL #4	4.32	4.35		4.29
PULL #5	4.29	4.30		4.37
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6587663
22 Jan 1991

CENTROIDAL DISTANCES

0 TO	1	.336001
1 TO	2	.344444
1 TO	3	.387752
1 TO	4	.331119
1 TO	5	.325615

341 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0128
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1012
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .102006
THE AMR FOR THIS RIFLE IS: .9302

22 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6587663

CENTERFIRE PATTERNS # 1

POA

1 in circle

2 in circle

3 in circle

OF SHOTS - 10

IN CIR

1 in = 1

2 in = 6

3 in = 9

HS = 2.793

VS = 2.081

GS = 3.140

CENTROID *

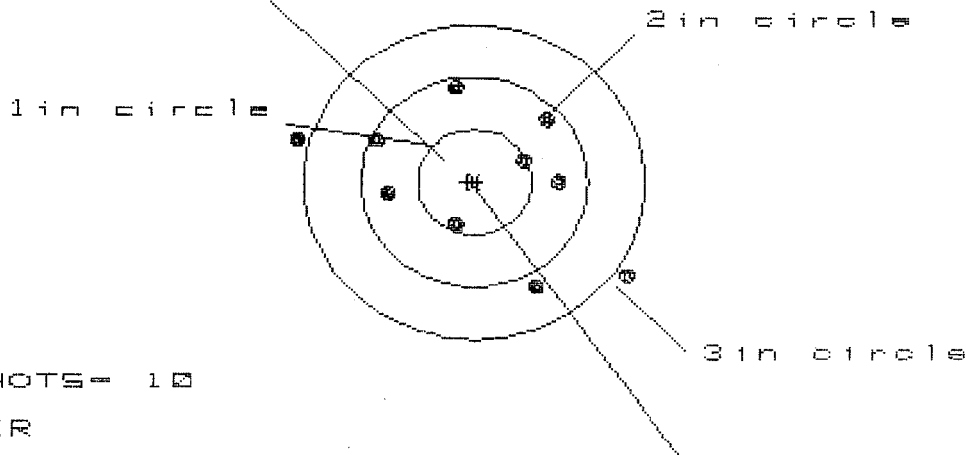
PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.134	.950	1.044
MINIMUM X	-1.659	-1.015	-.921
MAXIMUM Y	.946	.802	.712
MINIMUM Y	-1.135	-1.030	-1.120
CENTROID X	.001	.185	.091
CENTROID Y	.336	.231	.321
POA TO CENTROID in.	.336	.296	.334
MIN RADIUS	.327	.396	.337
MEAN RADIUS	.935	.805	.766
MAX RADIUS	1.910	1.114	1.167
HORIZONTAL SPREAD	2.793	1.965	1.965
VERTICAL SPREAD	2.081	1.832	1.832
EXTREME SPREAD	3.140	2.114	2.089
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	9		

22 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6587663

CENTERFIRE PATTERNS # 2

POA



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 7

3 in = 8

HS= 2.818

VS= 1.979

GS= 3.102

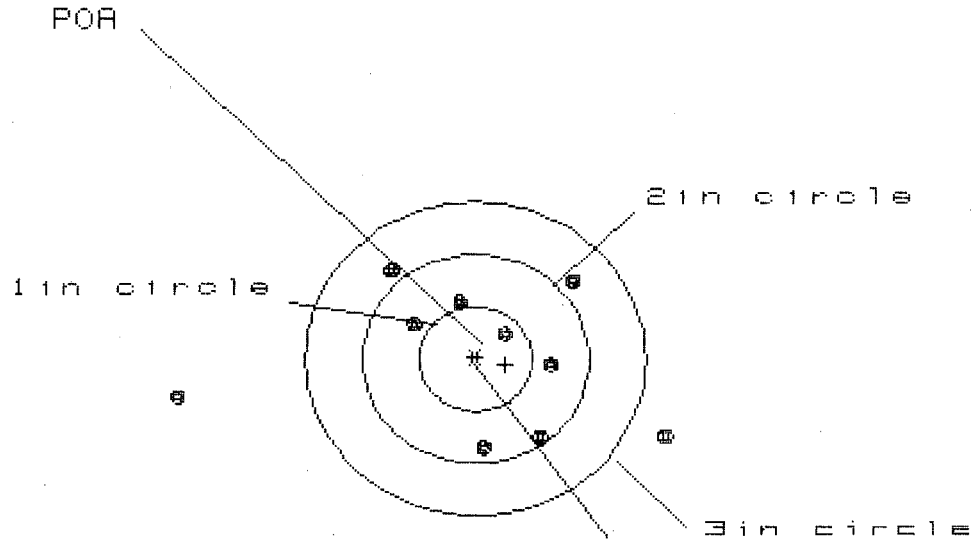
CENTROID #

PATTERN #	:	2	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.291	.844	.671
MINIMUM X	:	-1.527	-1.384	-.932
MAXIMUM Y	:	.950	.847	.879
MINIMUM Y	:	-1.029	-1.132	-1.100
CENTROID X	:	.062	-.081	.092
CENTROID Y	:	-.003	.100	.068
POA TO CENTROID in.	:	.062	.129	.114
MIN RADIUS	:	.433	.526	.380
MEAN RADIUS	:	.954	.879	.791
MAX RADIUS	:	1.593	1.408	1.227
HORIZONTAL SPREAD	:	2.818	2.228	1.603
VERTICAL SPREAD	:	1.979	1.979	1.979
EXTREME SPREAD	:	3.102	2.519	2.101
NUMBER IN ONE INCH CIRCLE	=	2		
NUMBER IN TWO INCH CIRCLE	=	7		
NUMBER IN THREE INCH CIRCLE	=	8		

22 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6587663

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1in = 1

2in = 6

3in = 8

HS= 4.232

VS= 1.756

GS= 4.255

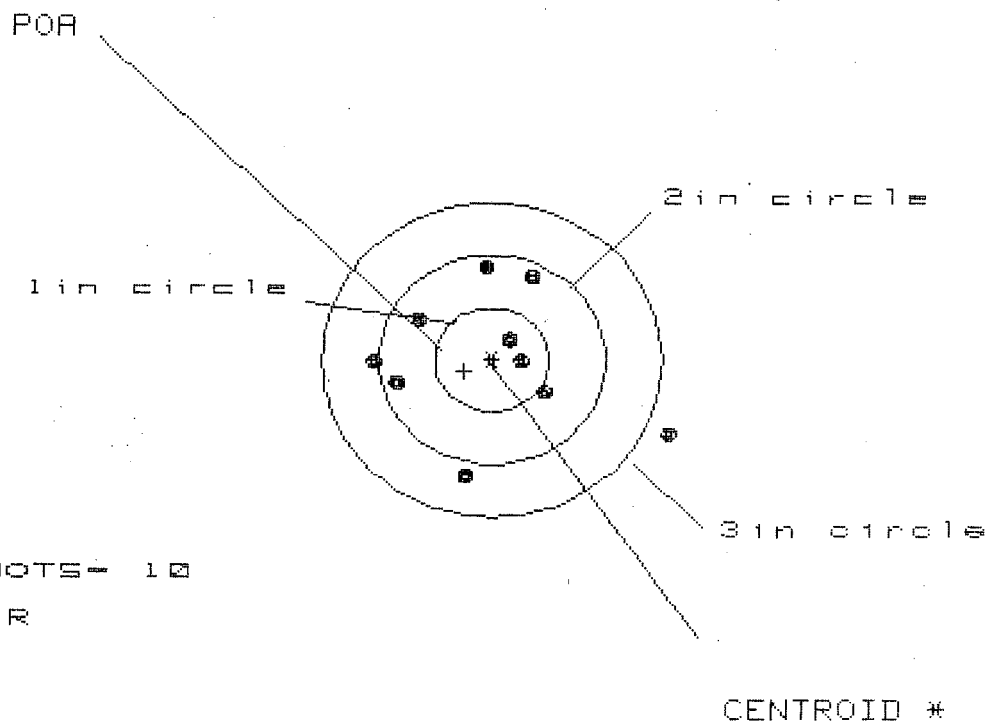
CENTROID *

PATTERN #	3	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.616	1.325	.776
MINIMUM X	-2.616	-.978	-.813
MAXIMUM Y	.868	.834	.737
MINIMUM Y	-.888	-.922	-1.020
CENTROID X	-.263	.028	-.138
CENTROID Y	.052	.086	.184
POA TO CENTROID in.	.268	.091	.229
MIN RADIUS	.346	.250	.167
MEAN RADIUS	1.063	.849	.741
MAX RADIUS	2.634	1.537	1.097
HORIZONTAL SPREAD	4.232	2.303	1.588
VERTICAL SPREAD	1.756	1.756	1.756
EXTREME SPREAD	4.255	2.812	2.030
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	8		

22 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6587663

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 7

3 in = 9

HS= 2.609

VS= 1.981

GS= 2.717

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.574	.606	.602
MINIMUM X	:	-1.035	-.860	-.864
MAXIMUM Y	:	.889	.808	.661
MINIMUM Y	:	-1.092	-1.173	-.498
CENTROID X	:	.243	.068	.072
CENTROID Y	:	.110	.191	.338
POA TO CENTROID in.	:	.266	.203	.346
MIN RADIUS	:	.236	.325	.302
MEAN RADIUS	:	.833	.730	.659
MAX RADIUS	:	1.737	1.174	.888
HORIZONTAL SPREAD	:	2.609	1.466	1.466
VERTICAL SPREAD	:	1.981	1.981	1.159
EXTREME SPREAD	:	2.717	1.991	1.597
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

22 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6587663

CENTERFIRE PATTERNS # 5

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS - 10

IN CIR

1in = 2

2in = 6

3in = 9

HS= 1.609

VS= 2.836

GS= 3.085

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.925	.984	.906
MINIMUM X	:	-.684	-.625	-.690
MAXIMUM Y	:	1.621	.993	.864
MINIMUM Y	:	-1.215	-1.035	-.992
CENTROID X	:	.021	-.038	.040
CENTROID Y	:	.011	-.169	-.040
POA TO CENTROID in.	:	.024	.173	.057
MIN RADIUS	:	.322	.311	.347
MEAN RADIUS	:	.866	.751	.690
MAX RADIUS	:	1.706	1.209	1.058
HORIZONTAL SPREAD	:	1.609	1.609	1.596
VERTICAL SPREAD	:	2.836	2.028	1.856
EXTREME SPREAD	:	3.085	2.109	1.936
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	