

C6587637

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*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: RE00146521

Serial: C6587637 Model M24 SWS Center Fire
Caliber: 7.62 NATO

Repairman:

Status:

Closed 6/17/2008 9:53:56 AM

Verify Repair

Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name: DEF DIST DEPOT

DEF DIST DEPOT

Address 1: 7 FRANKFORD AVE BLDG 362

7 FRANKFORD AVE BLDG 362

Address 2: PO Box:

PO Box:

City: ANNISTON

ANNISTON

State: AL

Zip Code: 36201

Country: US

State: AL

Zip Code: 36201

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	Qty
A007	With Stud	3
A010	Hard Case	1
A017	Scope Base	1
A026	Scope	1
A045	Bi Pod	1
A057	Frt and Rear Sgt Base	1

Repair Search

Refresh

Close

nagletj

6/17/2008

10:52 AM

CAPS

NUM

INS

SCRL

start

10:52 AM

My...

4 M...

Par...

Ar...

Cre...

My...

10:52 AM

Number: C6587637

Model: M24 SWS



RE00146521

INSPECTION CHECKLIST - REPAIRS

CONTRACT #: W52H09-07-C-0207

ISSUED 10/1/2007

R & E NUMBER

146521

SERIAL NUMBER

C6587637

LOG-IN DATE

6-17-08

OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	7-14-09	RTZ
505	RE-BARREL	7-16-09	RTZ
420	ASSEMBLE	7-16-09	RTZ
440	PROOF	7-16-09	RP
460	CHECK HEADSPACE	7-16-09	RP
470	DIS-ASSEMBLE GUN	7-16-09	RP
480	MAGNAFLUX	7-18-09	RP
510	DRILL AND TAP	7-19-09	SP
500	ROLLMARK CALIBER	7-21-09	OWB
520	GOFF BLAST BBL / REC	7-21-09	MS
530 & 540	APPLY COATINGS	7-28-09	
560	FINAL ASSEMBLY	7-31-09	RTZ
640	FUNCTION TEST AND	PASS FAIL	
650	TARGET	PASS FAIL	8/4/09 RP
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	N/A
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	8-4-09 LPA
670	FINAL INSPECTION	8-17-09	RP
	A) HEADSPACE	PASS FAIL	8-17-09 RP
	B) TRIGGER PULL	262 258 256 260 264	8-17-09 RP
680	F) SAFETY ON FORCE	2.0 2.0 2.2	8-17-09 RP
	G) SAFETY OFF FORCE	3.8 4.0 4.0	8-17-09 RP
	I) FIRING PIN INDENT	.027 .027 .027	8-17-09 LPA
690	PACK		9-14-09 FMS

F006 REV 1/2009

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6587637.___0
FILE DATE AND TIME: 08/05/2009 07:06

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.008
The Average Y Centroid of the Five Target Set:	-0.053
The Average Point of Impact of the Five Target Set:	0.054
The Average Mean Radius of the Five Target Set:	0.827
The Distance from POA to Centroid Target #1:	0.146
The Distance from Centroid Target #2 to Centroid Target #1:	0.149
The Distance from Centroid Target #3 to Centroid Target #1:	0.515
The Distance from Centroid Target #4 to Centroid Target #1:	0.159
The Distance from Centroid Target #5 to Centroid Target #1:	0.224

SERIAL NUMBER: C6587637. 0

TARGET NUMBER: 1

FILE DATE: 08/05/2009

FILE TIME: 07:06

X CENTROID: 0.041

Y CENTROID: 0.140

POA TO CENTROID: 0.146

HORZ SPREAD: 1.919

VERT SPREAD: 3.384

GROUP SPREAD: 3.524

MIN RADIUS: 0.277

MAX RADIUS: 2.191

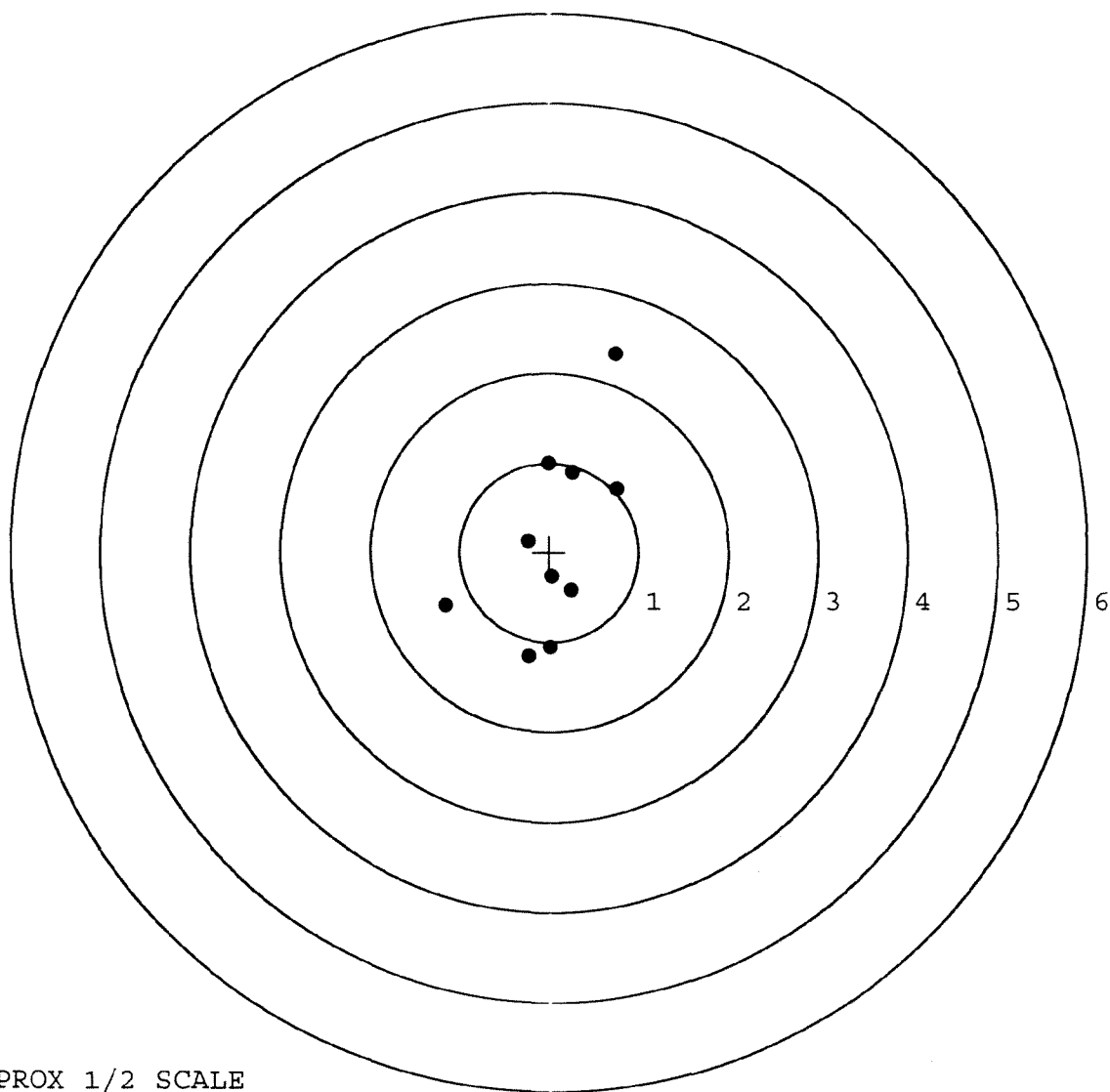
MEAN RADIUS: 1.000

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	-1.162	-0.600
2:	-0.237	-1.169
3:	0.012	-1.063
4:	0.247	-0.428
5:	0.031	-0.277
6:	-0.236	0.122
7:	0.757	0.712
8:	0.260	0.895
9:	-0.012	0.995
10:	0.745	2.215



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587637. 0

TARGET NUMBER: 2

FILE DATE: 08/05/2009

FILE TIME: 07:06

POINT#	X	Y
1:	-0.507	0.439
2:	-0.584	0.137
3:	-0.334	0.078
4:	-0.448	-0.146
5:	0.212	-0.826
6:	1.001	-0.368
7:	0.710	-0.052
8:	0.276	0.009
9:	0.526	0.409
10:	0.347	0.457

X CENTROID: 0.120

Y CENTROID: 0.014

POA TO CENTROID: 0.121

HORZ SPREAD: 1.585

VERT SPREAD: 1.283

GROUP SPREAD: 1.710

MIN RADIUS: 0.156

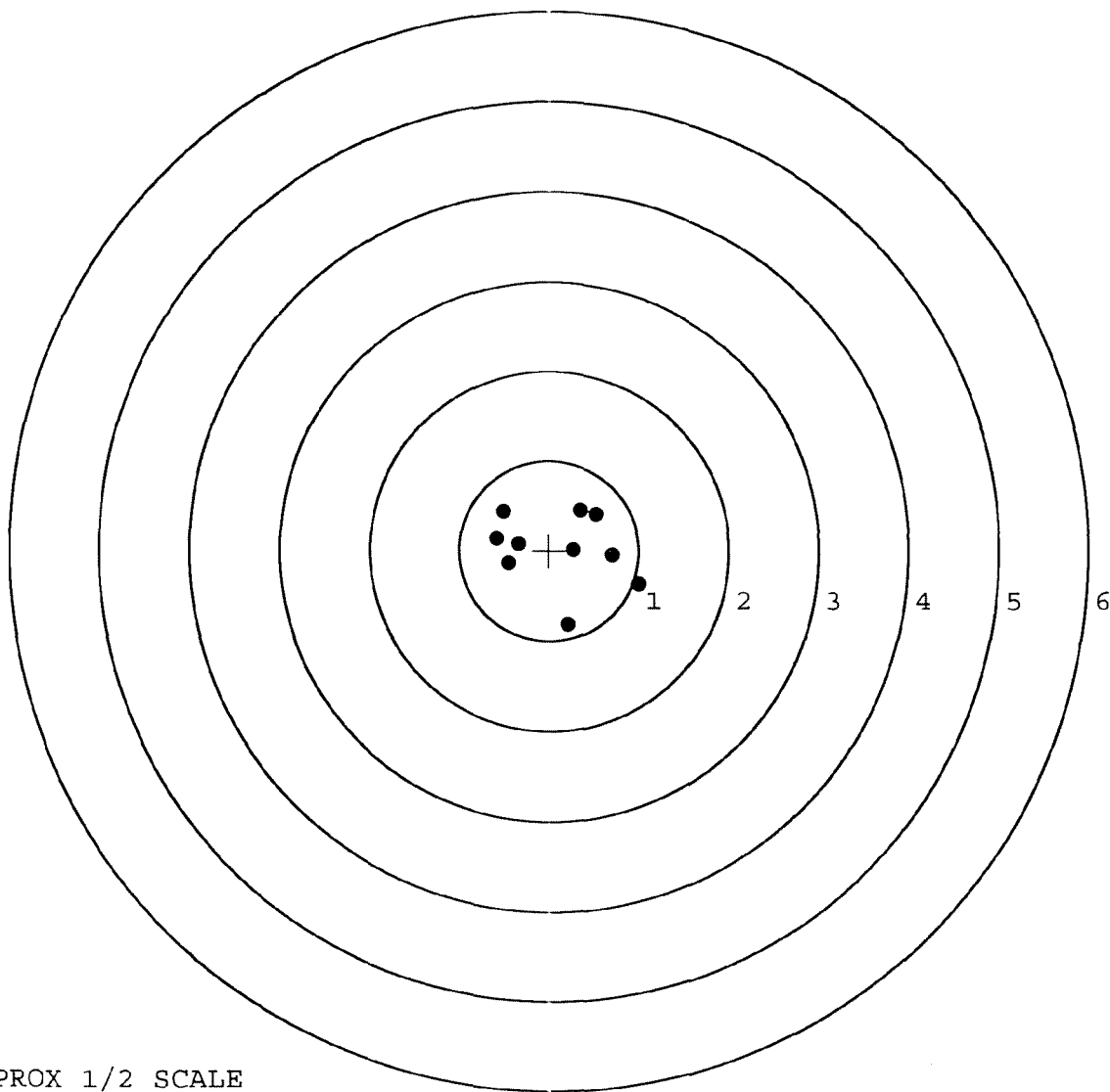
MAX RADIUS: 0.960

MEAN RADIUS: 0.614

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587637. __0

TARGET NUMBER: 3

FILE DATE: 08/05/2009

FILE TIME: 07:06

X CENTROID: -0.128

Y CENTROID: -0.347

POA TO CENTROID: 0.370

HORZ SPREAD: 2.087

VERT SPREAD: 2.276

GROUP SPREAD: 2.469

MIN RADIUS: 0.351

MAX RADIUS: 1.501

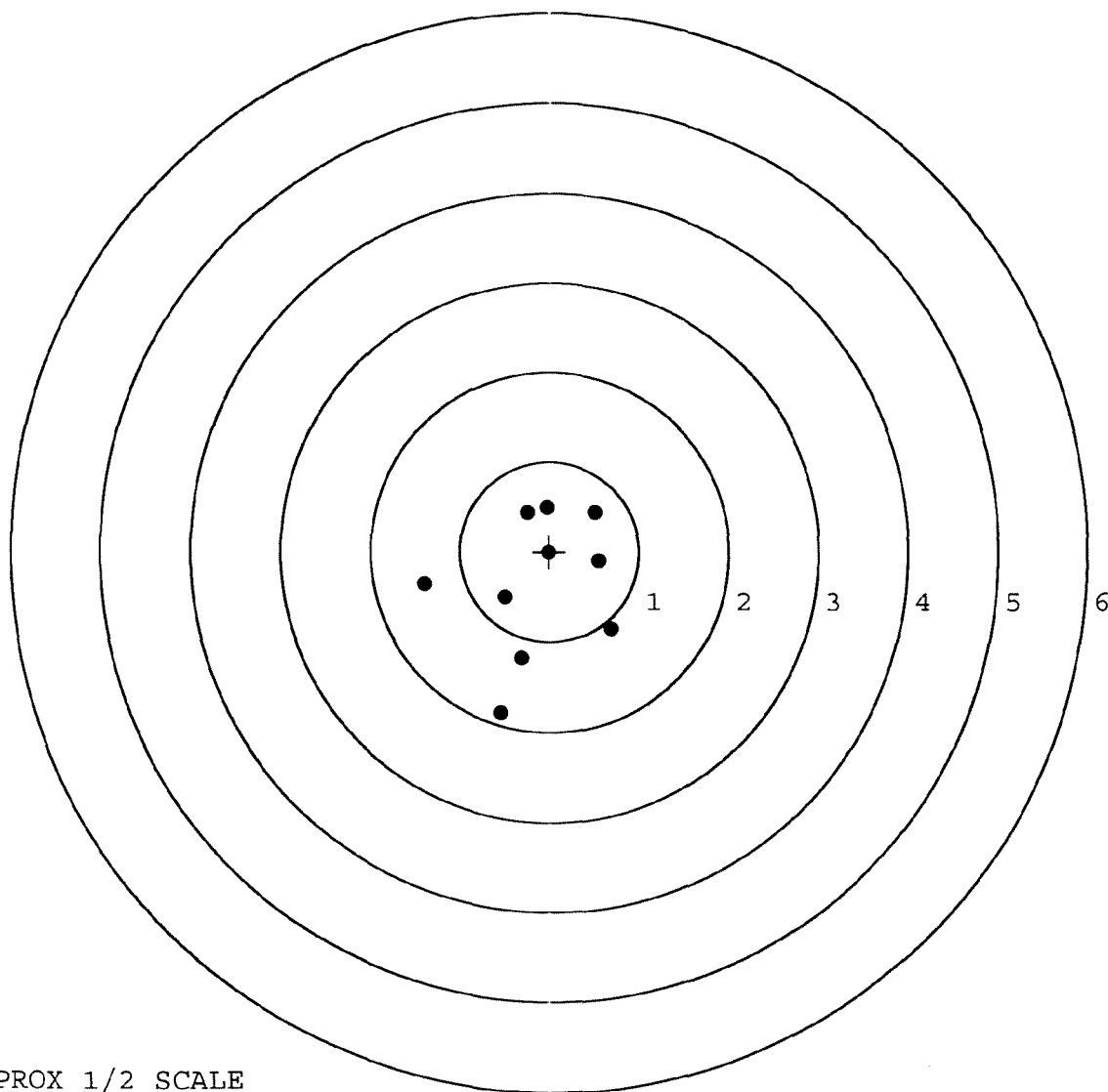
MEAN RADIUS: 0.873

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	-1.395	-0.372
2:	-0.498	-0.510
3:	-0.311	-1.188
4:	-0.546	-1.788
5:	0.692	-0.858
6:	0.560	-0.105
7:	0.507	0.445
8:	-0.010	-0.016
9:	-0.032	0.488
10:	-0.248	0.438



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587637. 0

TARGET NUMBER: 4

FILE DATE: 08/05/2009

FILE TIME: 07:06

POINT#	X	Y
1:	1.365	1.011
2:	0.822	0.210
3:	1.259	-0.649
4:	-0.961	-0.063
5:	-0.701	0.077
6:	-0.830	-0.343
7:	-0.287	-0.391
8:	0.008	0.186
9:	0.133	-0.132
10:	-0.133	-0.070

X CENTROID: 0.067

Y CENTROID: -0.016

POA TO CENTROID: 0.069

HORZ SPREAD: 2.326

VERT SPREAD: 1.660

GROUP SPREAD: 2.579

MIN RADIUS: 0.133

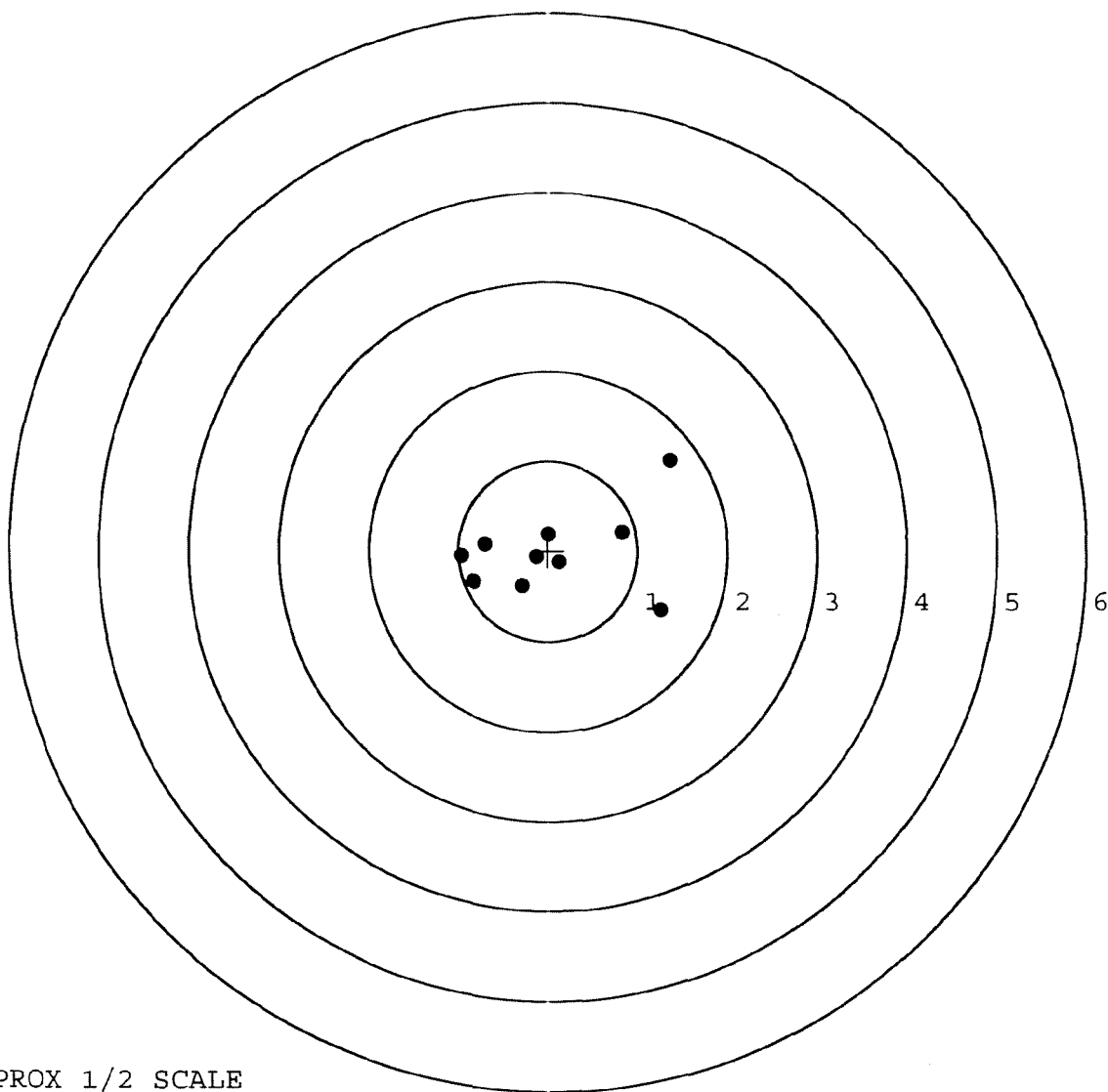
MAX RADIUS: 1.655

MEAN RADIUS: 0.762

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587637. 0

TARGET NUMBER: 5

FILE DATE: 08/05/2009

FILE TIME: 07:06

POINT#	X	Y
1:	-1.694	0.703
2:	-0.850	1.029
3:	0.915	0.438
4:	0.968	-0.271
5:	0.885	-0.800
6:	0.106	-0.802
7:	-0.893	-0.460
8:	0.160	-0.380
9:	0.006	0.019
10:	-0.225	-0.060

X CENTROID: -0.062

Y CENTROID: -0.058

POA TO CENTROID: 0.085

HORZ SPREAD: 2.662

VERT SPREAD: 1.831

GROUP SPREAD: 2.985

MIN RADIUS: 0.103

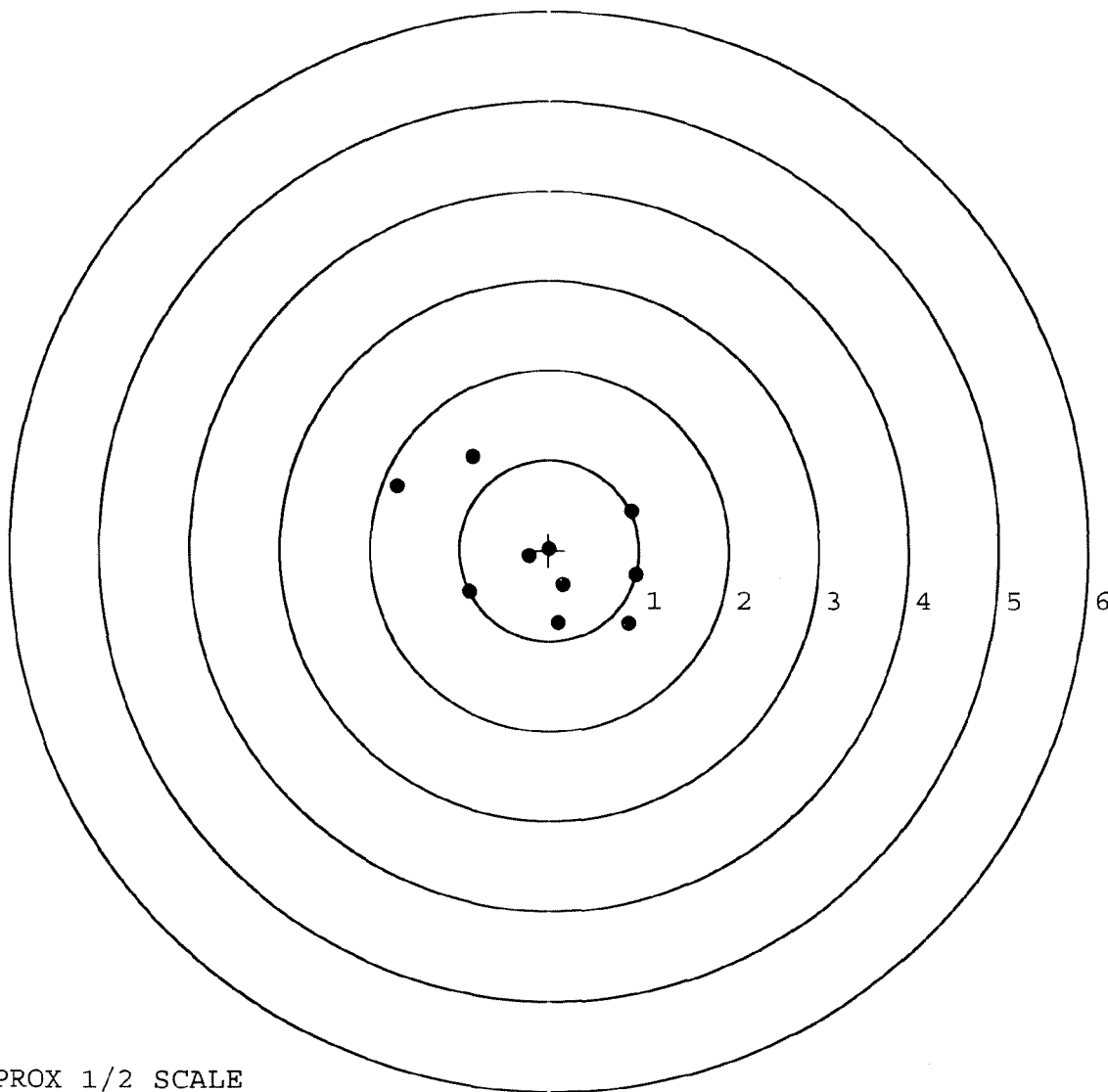
MAX RADIUS: 1.801

MEAN RADIUS: 0.884

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 5

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

Army 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: **RE00092668** Serial: C6587637 Model: M24 SWS Center Fire Caliber: 7.62 NATO Repairman: Status: Closed 2/8/2005 7:41:33 AM

Verify Repair

Address Information

Customer: ☒ Received From Return To: ☐ Received From

Name: DEF DIST DEPOT ANNISTON DEF DIST DEPOT ANNISTON

Address 1: Address 2: PO Box: PO Box:

City: ANNISTON ANNISTON

State: AL Zip Code: 362014199 Country: US State: AL Zip Code: 362014199 Country: US

FFL: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Contact / Condition Problems Estimate History / Status Shipping / Billing

Contact Information: Phone: Fax: Email: Comments:

Received Condition: Good Condition Notes: CSR Notes:

Accessories Received:

Code	Desc	Qty
A007	With Stud	3
A010	Hard Case	1
A017	Scope Base	1
A028	Spent Case	1
A057	Frt and Rear Sgt Base	1

Repair Search Refresh Close

negletj 2/8/2005 9:40 AM CAPS NUM IINE SCPL

start 8 4

Serial Number: **C6587637**

Model: **M24 SWS**



RE00092668

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6587637.__0
FILE DATE AND TIME: 03/09/2005 07:50

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.035
The Average Y Centroid of the Five Target Set:	-0.044
The Average Point of Impact of the Five Target Set:	0.056
The Average Mean Radius of the Five Target Set:	0.991
The Distance from POA to Centroid Target #1:	0.083
The Distance from Centroid Target #2 to Centroid Target #1:	0.053
The Distance from Centroid Target #3 to Centroid Target #1:	0.108
The Distance from Centroid Target #4 to Centroid Target #1:	0.141
The Distance from Centroid Target #5 to Centroid Target #1:	0.417

SERIAL NUMBER: C6587637. 0

TARGET NUMBER: 1

FILE DATE: 03/09/2005

FILE TIME: 07:50

POINT#	X	Y
1:	0.184	-1.462
2:	0.483	-1.030
3:	-0.190	-1.057
4:	-0.250	-0.737
5:	-0.065	-0.001
6:	0.459	0.190
7:	0.984	1.027
8:	-0.150	1.428
9:	-1.272	0.200
10:	-0.663	2.116

X CENTROID: -0.048

Y CENTROID: 0.067

POA TO CENTROID: 0.083

HORZ SPREAD: 2.256

VERT SPREAD: 3.578

GROUP SPREAD: 3.677

MIN RADIUS: 0.070

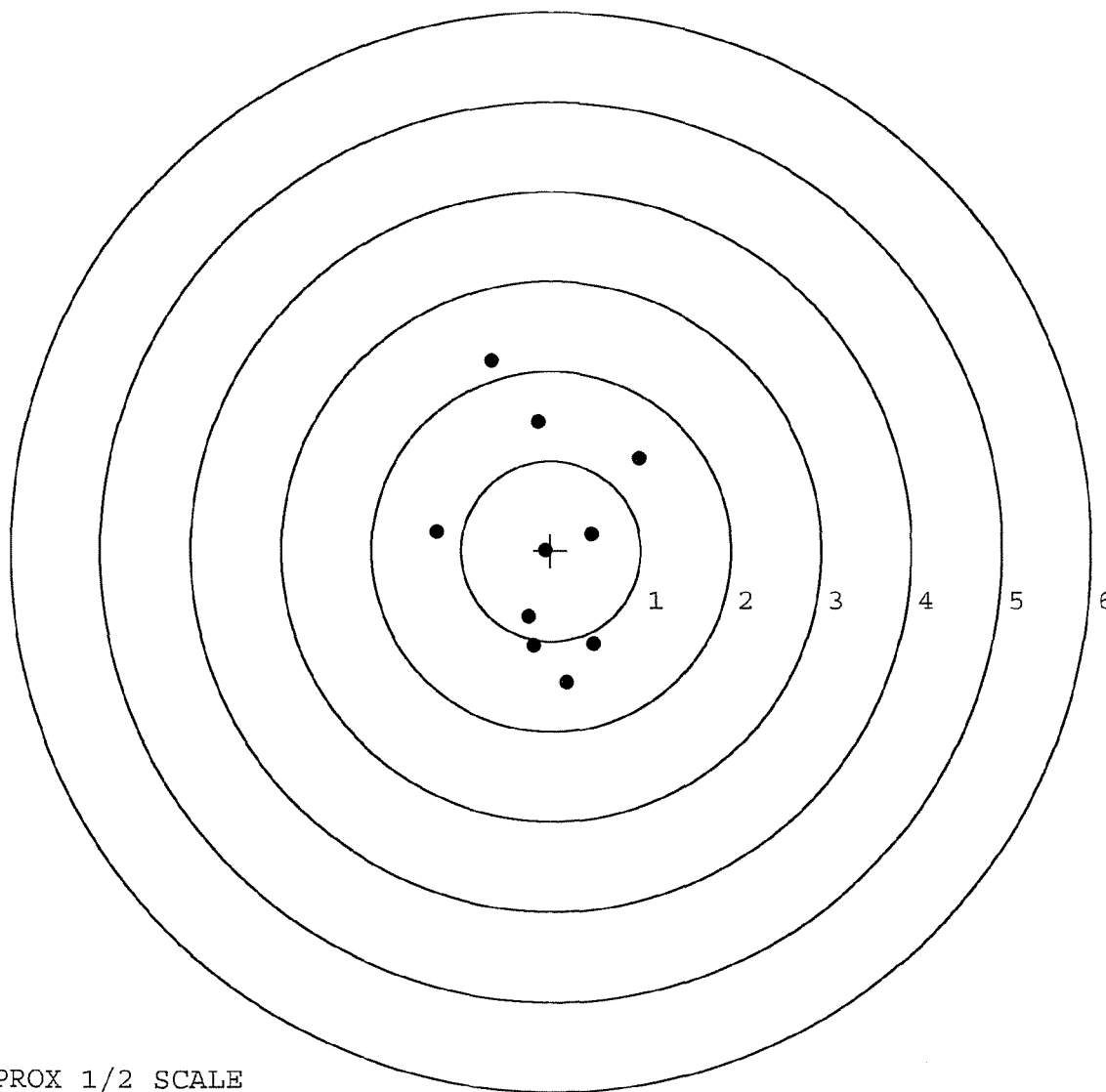
MAX RADIUS: 2.139

MEAN RADIUS: 1.146

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 3

in 3 IN DIAMETER: 8



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587637. __0

TARGET NUMBER: 2

FILE DATE: 03/09/2005

FILE TIME: 07:50

POINT#	X	Y
1:	1.305	-0.218
2:	0.229	-0.759
3:	0.364	-0.263
4:	0.656	0.604
5:	-0.762	-1.832
6:	-0.491	-0.268
7:	-0.737	0.231
8:	-0.064	0.883
9:	-0.517	1.137
10:	-0.857	1.515

X CENTROID: -0.087

Y CENTROID: 0.103

POA TO CENTROID: 0.135

HORZ SPREAD: 2.162

VERT SPREAD: 3.347

GROUP SPREAD: 3.348

MIN RADIUS: 0.548

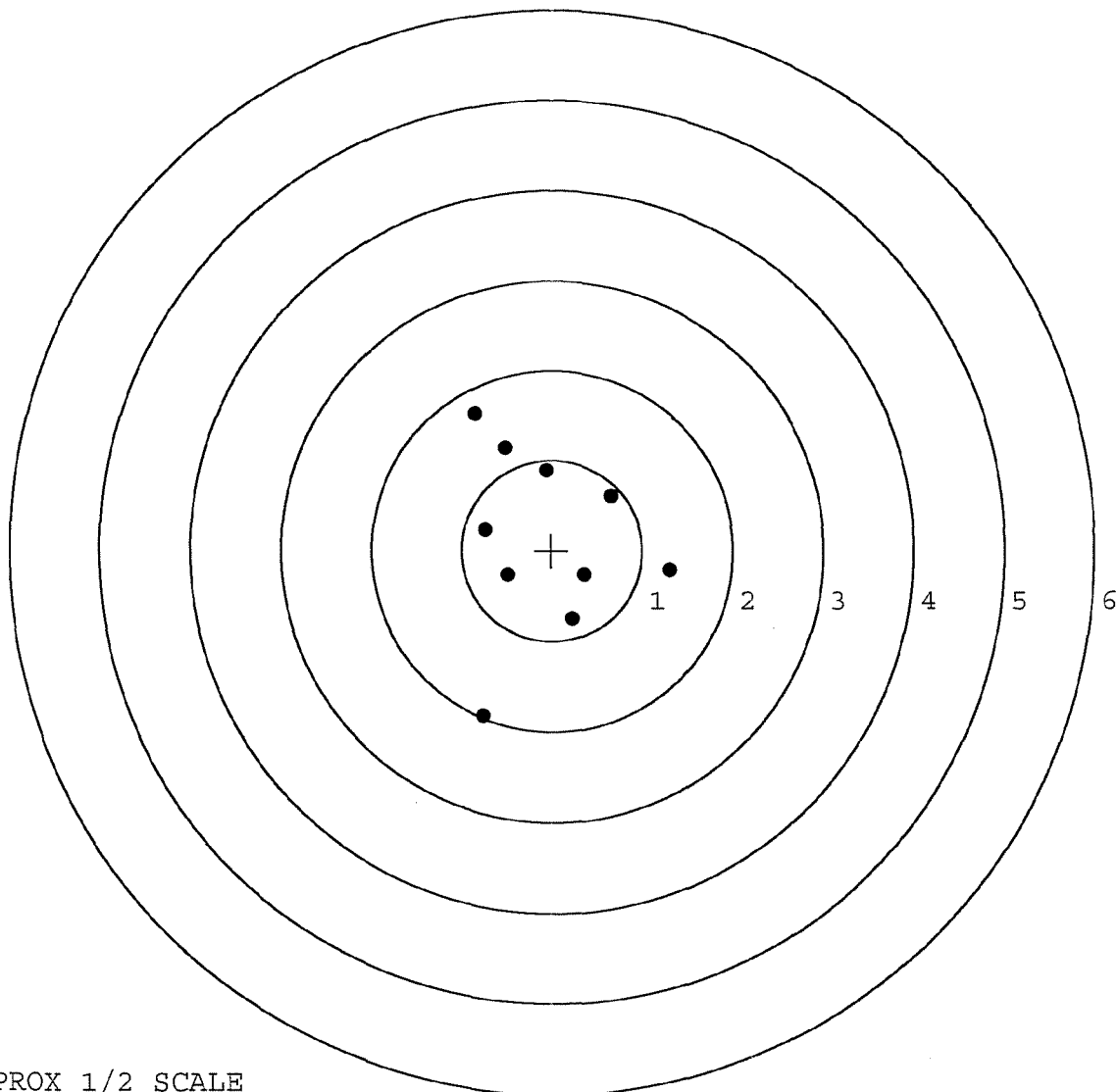
MAX RADIUS: 2.049

MEAN RADIUS: 1.059

IN 1 IN DIAMETER: 0

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 8



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587637. __0

TARGET NUMBER: 3

FILE DATE: 03/09/2005

FILE TIME: 07:50

X CENTROID: -0.028

Y CENTROID: -0.039

POA TO CENTROID: 0.048

HORZ SPREAD: 3.178

VERT SPREAD: 4.202

GROUP SPREAD: 4.338

MIN RADIUS: 0.480

MAX RADIUS: 2.385

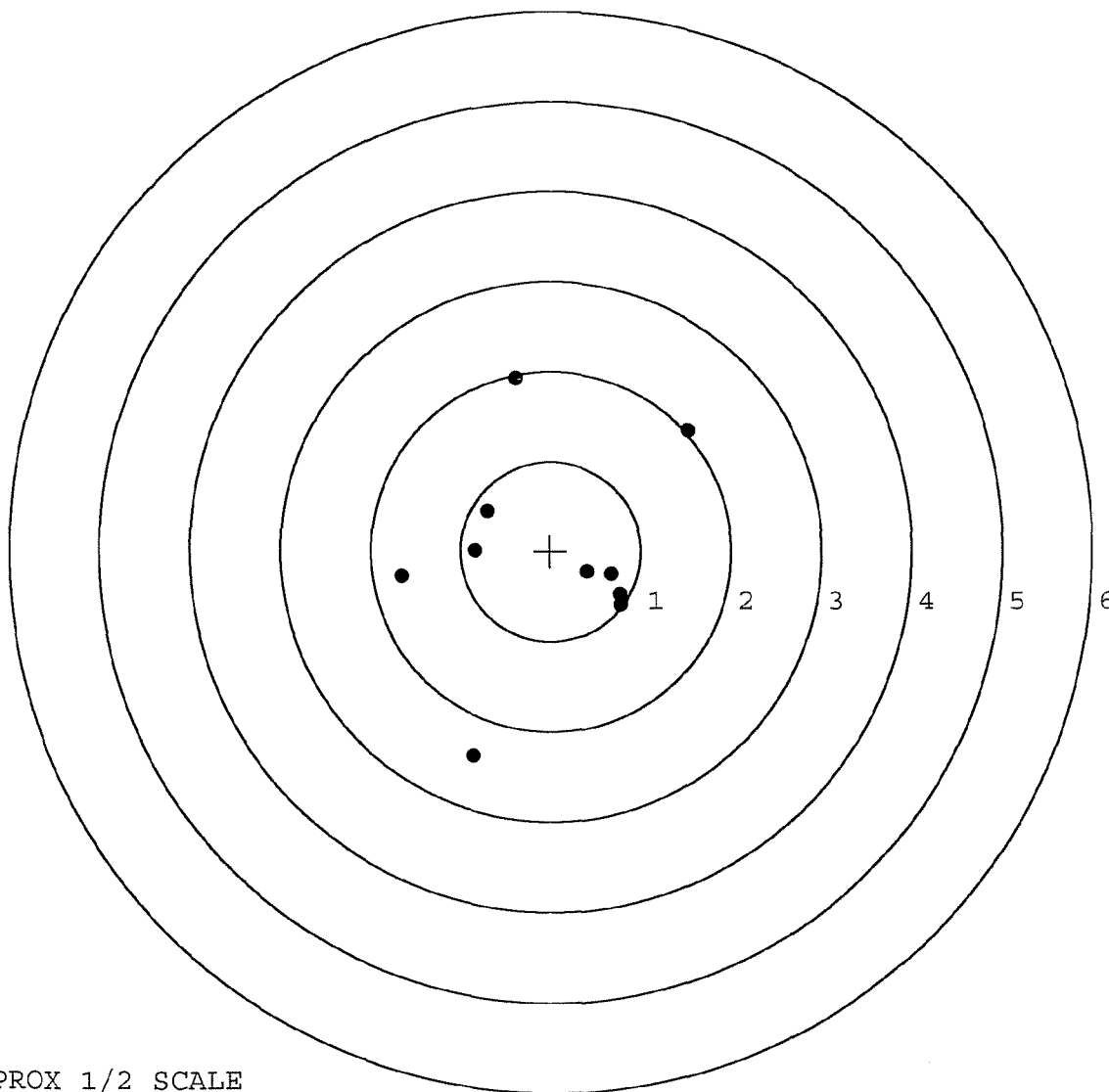
MEAN RADIUS: 1.286

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 6

POINT#	X	Y
1:	1.523	1.353
2:	-0.388	1.926
3:	-0.702	0.453
4:	-0.838	0.010
5:	-1.655	-0.288
6:	0.411	-0.231
7:	0.675	-0.255
8:	0.768	-0.481
9:	0.776	-0.596
10:	-0.853	-2.276



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587637. 0

TARGET NUMBER: 4

FILE DATE: 03/09/2005

FILE TIME: 07:50

X CENTROID: 0.073

Y CENTROID: -0.005

POA TO CENTROID: 0.073

HORZ SPREAD: 2.525

VERT SPREAD: 1.969

GROUP SPREAD: 2.627

MIN RADIUS: 0.025

MAX RADIUS: 1.349

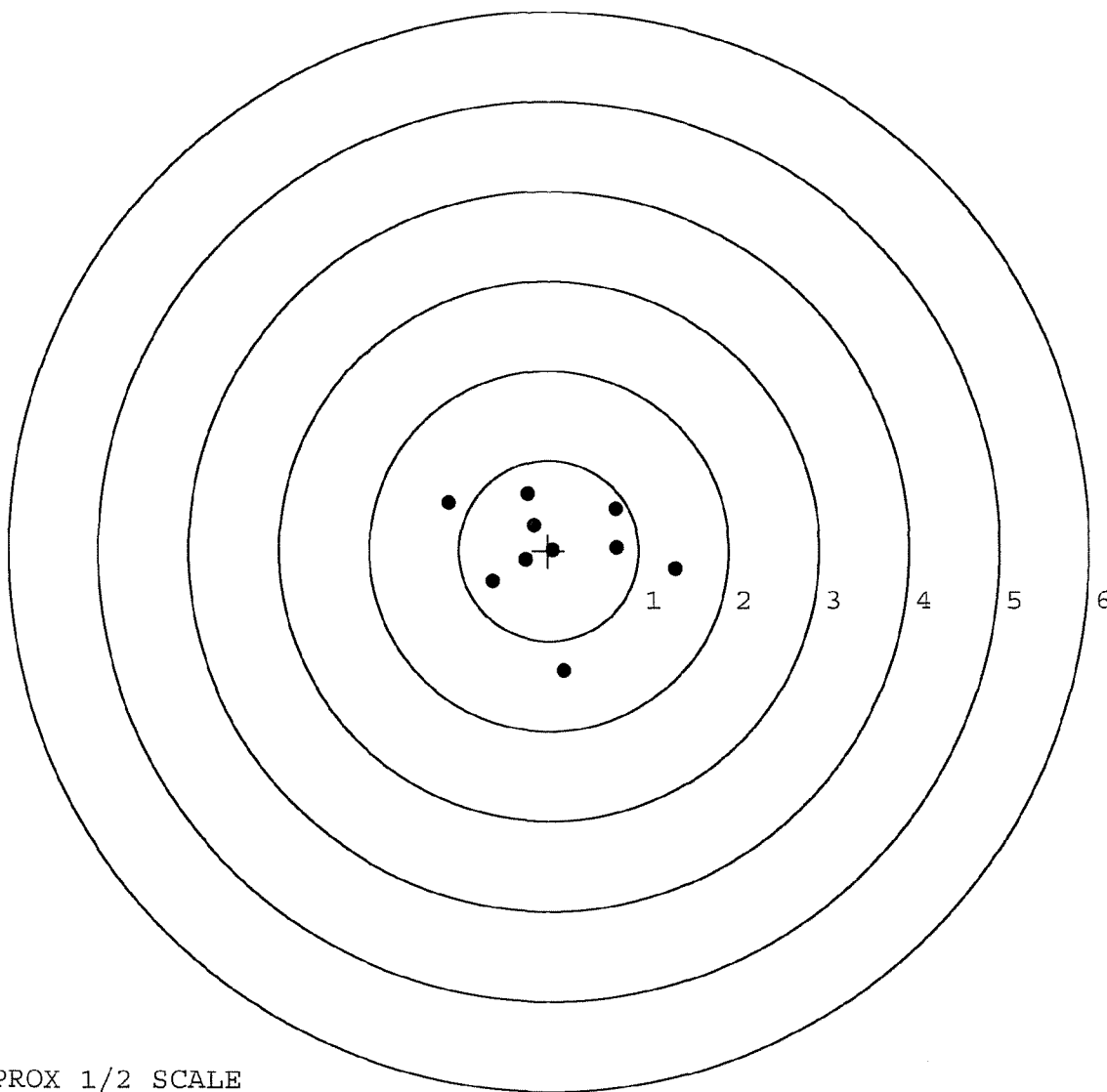
MEAN RADIUS: 0.772

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	1.407	-0.204
2:	0.759	0.040
3:	0.745	0.462
4:	0.169	-1.336
5:	-0.624	-0.346
6:	-1.118	0.521
7:	-0.238	0.633
8:	-0.172	0.281
9:	0.053	0.010
10:	-0.254	-0.109



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6587637. __0

TARGET NUMBER: 5

FILE DATE: 03/09/2005

FILE TIME: 07:50

POINT#	X	Y
1:	-0.500	-1.394
2:	-0.097	-1.275
3:	0.117	-0.606
4:	0.615	-0.416
5:	0.217	-0.282
6:	0.406	0.212
7:	0.120	0.493
8:	-0.212	0.166
9:	-0.779	-0.018
10:	-0.708	-0.359

X CENTROID: -0.082

Y CENTROID: -0.348

POA TO CENTROID: 0.357

HORZ SPREAD: 1.394

VERT SPREAD: 1.887

GROUP SPREAD: 1.986

MIN RADIUS: 0.306

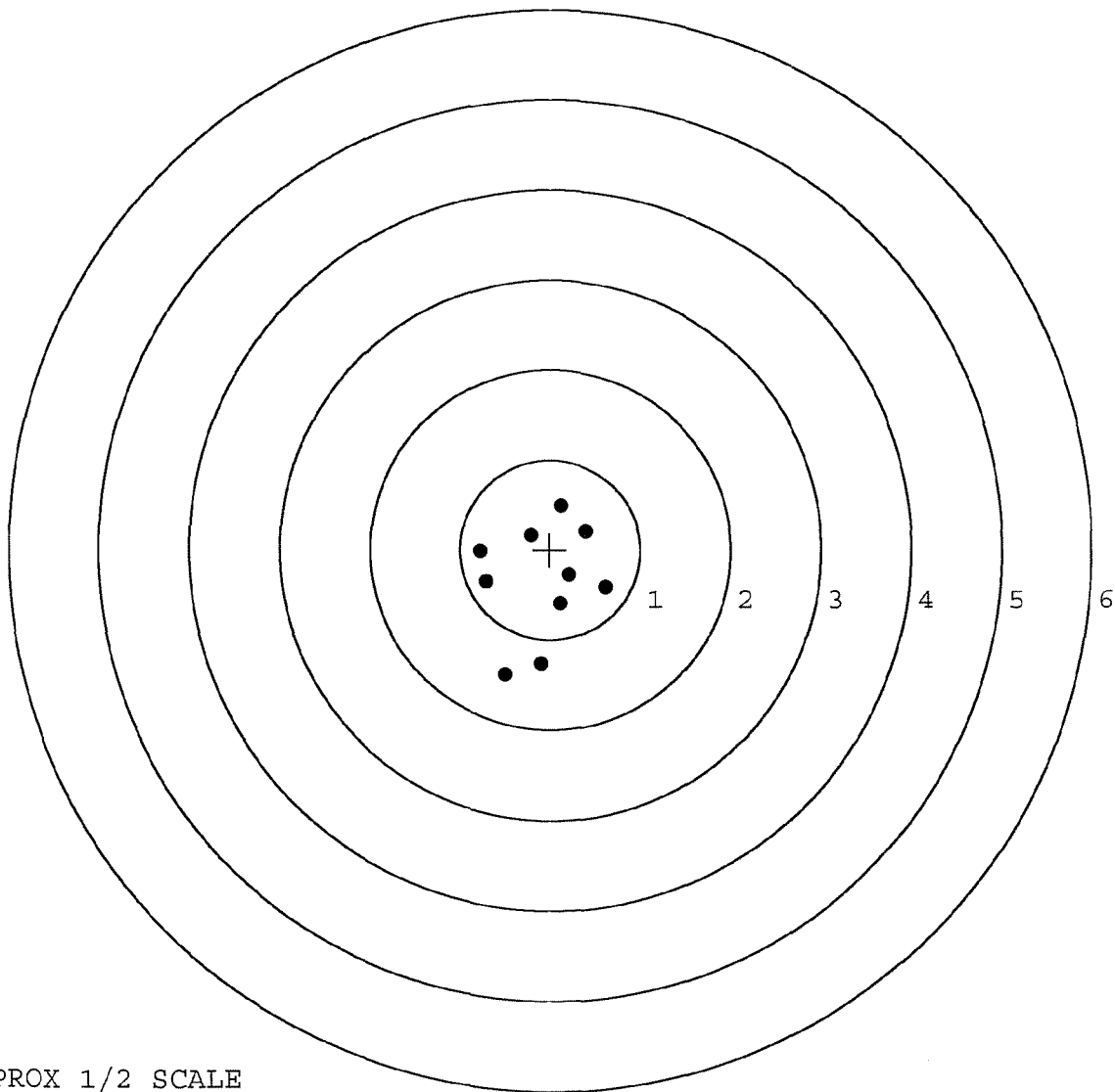
MAX RADIUS: 1.126

MEAN RADIUS: 0.692

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

R & E NUMBER	92668		
SERIAL NUMBER	C6587037		
LOG-IN DATE	2-8-05		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	2-11-05	RTL
560 A	RE-BARREL	2-16-05	RTL
B	DRILL AND TAP	2-17-05	TRW
575	ASSEMBLE	2-16-05	RTL
600	PROOF	2-17-05	MAGNA-FLUX
605	CHECK HEADSPACE	2-17-05	INSPECTED
610	DIS-ASSEMBLE GUN	2-17-05	FEB 12 2005
612	MAGNAFLUX		OPERATOR
615	ROLLMARK CALIBER	2-18-05	CW
618	ROTO-BLAST	2-18-05	LB
620	APPLY COATINGS	3/1/05	HP
625 A	FINAL ASSEMBLY	3-2-05	RR
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE	3-9-05	AC
D	SAFETY "OFF" FORCE	3-9-05	AC
E	FIRING PIN INDENT	3-9-05	AC
640	TARGET	3-9-05	TRW
655	FINAL INSPECT	3-9-05	AC
660	PACK	3-11-05	DA
		SHIP DATE	
QAR INSPECTION DATE			

GFM

CONTRACT # DAAA21-87-C-0086

Repair

GUN SERIAL # C6587637

New Barrel

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		2/4/93	RW
600	Proof		2/4/93	RW
607	Check Headspace		2/4/93	RW
610	Dis-assemble Gun		2/4/93	RW
612	Magnaflux Barrel Action		2/5/93	CP
	Magnaflux Bolt			
615	Rollmark Caliber		2/5/93	CP
617	Drill and Tap Sight Holes		2/5/93	CP
618	Polish Barrel		2/5/93	CP
620	Apply Coatings (Barrel Action)			
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		2/11/93	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		2/11/93	RW
	C) Inspect Ejector Hole for Chamfer		2/11/93	RW
	D) Oil Firing Pin Ass'y		2/11/93	RW
	E) Adjust Trigger Pull to Min Setting and Stake		2/11/93	RW

op. #	BARBER - M24 0024181 OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			2/11/93	RW
	G) Safety Off Force	3	3	3			2/11/93	RW
	H) Trigger Pull Test & Retainability						2/11/93	RW
	I) Firing Pin Indent							
	J) Assemble Stock							
	K) Assemble Swivel Studs							
	L) Attach Front and Rear Sight Assemblies						2/11/93	RW
	M) Iron Sight Alignment						2/11/93	RW
	N) Detach Front & Rear Sights & place in numbered container						2/11/93	RW
	O) Attach Scope to Rifle						2/11/93	RW
	P) Detach & Attach Scope 20 Times							
640	Gallery Target & Test						3/1/93	RW
	A) Time							
	B) Malfunctions							
	C) Pierced Primers							
	D) Optical Clarity of Scope							
645	Inspect for Live Ammo						3/1/93	RW
655	Final Inspection							
	A) Headspace						3/4/93	RW
	B) Trigger Pull	1.69	2.58	2.48	2.47	2.43	3/4/93	RW
	C) Function						3/4/93	RW
660	Pack							

New Trigger Assy

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

SERIAL NO. C6587637DATE 2/11/93TESTER RW

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	2.39	2.24	2.09	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.33	2.26	2.08	
PULL #3	2.38	2.30	2.08	
PULL #4	2.33	2.30	2.07	
PULL #5	2.34	2.27	2.14	
TOTAL	11.77	11.37	10.46	
AVG.	2.35	2.27	2.09	

	3.00# INITIAL	3.00# AFTER 20 CYCLES	COMMENTS
PULL #1	3.02	3.09	
PULL #2	3.20	3.00	
PULL #3	3.20	3.01	
PULL #4	3.18	3.11	
PULL #5	3.21	3.03	
TOTAL	15.81	15.24	
AVG.	3.16	3.05	

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.04	4.13		4.35
PULL #2	4.06	4.07		4.34
PULL #3	4.04	4.06		4.03
PULL #4	4.09	4.04		4.39
PULL #5	4.02	4.05		4.34
TOTAL	20.25	20.35		21.45
AVG.	4.05	4.07		4.29

BARBER - M24 002498324222

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6587637
3 Mar 1993

CENTROIDAL DISTANCES

0 TO	1	1.25957
1 TO	2	.538859
1 TO	3	1.18607
1 TO	4	2.31516
1 TO	5	1.35486

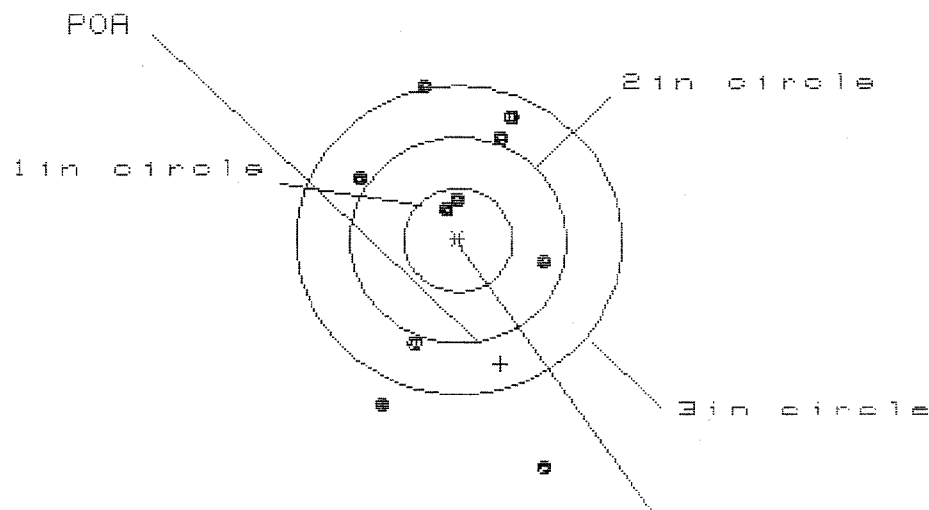
1
2
3 + <----POA
4

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.396
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1286
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .416358
THE AMR FOR THIS RIFLE IS: .9978

3 Mar 1993

FILE:/PATTERNING/CENTERFIRE_PATT/06587637

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 2

2in = 3

3in = 7

HS= 1.669

VS= 3.749

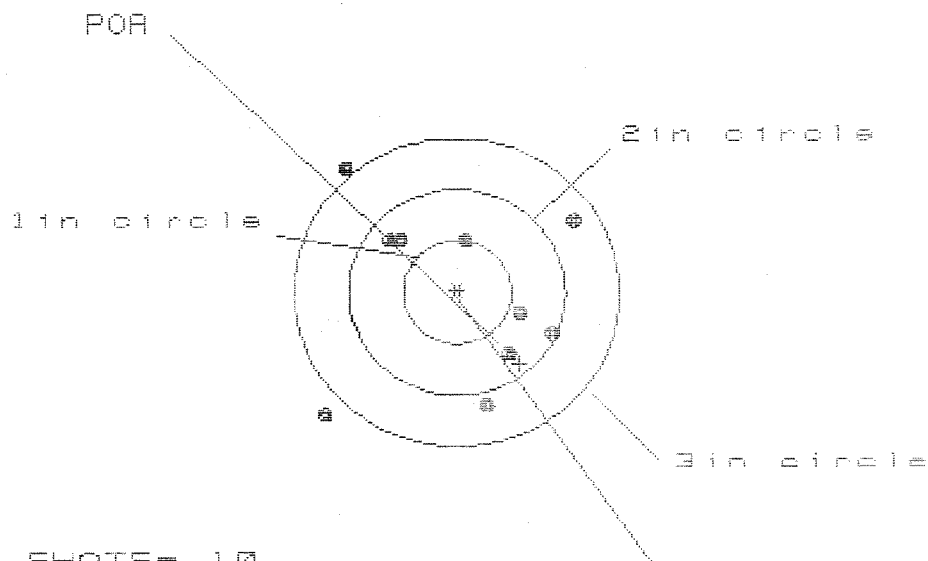
GS= 3.909

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.767	.842	.769
MINIMUM X	-.902	-.817	-.890
MAXIMUM Y	1.528	1.281	1.054
MINIMUM Y	-2.221	-1.814	-1.483
CENTROID X	-.389	-.474	-.401
CENTROID Y	1.198	1.445	1.672
POA TO CENTROID in.	1.260	1.521	1.719
MIN RADIUS	.286	.038	.093
MEAN RADIUS	1.159	.947	.799
MAX RADIUS	2.350	1.908	1.527
HORIZONTAL SPREAD	1.669	1.659	1.659
VERTICAL SPREAD	3.749	3.095	2.537
EXTREME SPREAD	3.909	3.113	2.537
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	3		
NUMBER IN THREE INCH CIRCLE =	7		

3 Mar 1993

FILE:/PATTERNING/CENTERFIRE_PATT/08587637

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 5

3 in = 8

HS= 2.247

VS= 2.436

GS= 2.959

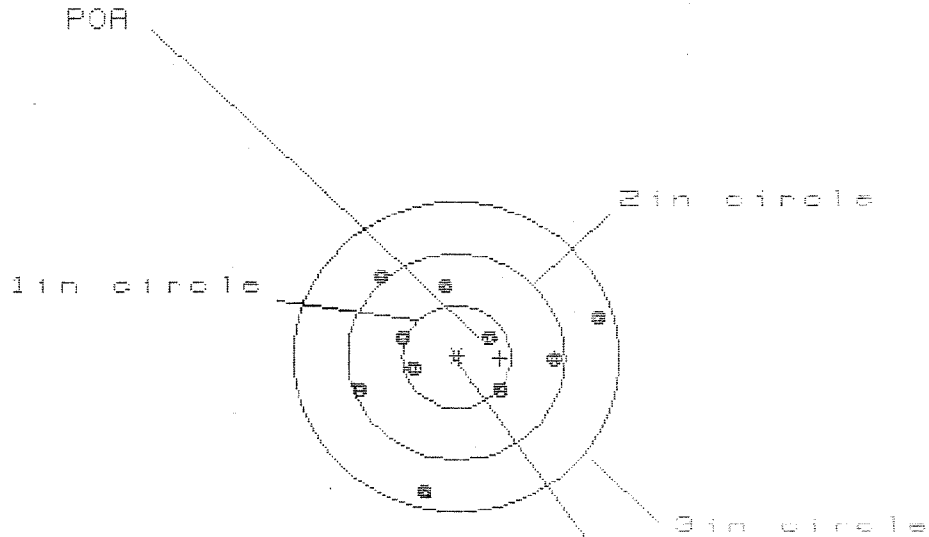
CENTROID *

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.062	.930	.780
MINIMUM X	:	-1.185	-1.201	-.855
MAXIMUM Y	:	1.219	1.084	.708
MINIMUM Y	:	-1.217	-1.217	-1.082
CENTROID X	:	-.577	-.445	-.295
CENTROID Y	:	.693	.828	.693
POA TO CENTROID in.	:	.982	.940	.753
MIN RADIUS	:	.496	.366	.301
MEAN RADIUS	:	.995	.893	.777
MAX RADIUS	:	1.699	1.618	1.082
HORIZONTAL SPREAD	:	2.247	2.131	1.635
VERTICAL SPREAD	:	2.436	2.301	1.790
EXTREME SPREAD	:	2.959	2.668	1.953
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		8	

3 Mar 1993

FILE:/PATTERNING/CENTERFIRE_PATT/C8587837

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 3

2in = 7

3in = 10

HS= 2.224

VS= 2.109

GS= 2.357

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.319	1.048	1.034
MINIMUM X	-.905	-.758	-.772
MAXIMUM Y	.780	.827	.667
MINIMUM Y	-1.329	-1.282	-.454
CENTROID X	-.402	-.549	-.535
CENTROID Y	.012	-.035	.125
POA TO CENTROID in.	.402	.550	.549
MIN RADIUS	.342	.307	.378
MEAN RADIUS	.814	.738	.655
MAX RADIUS	1.385	1.287	1.045
HORIZONTAL SPREAD	2.224	1.806	1.806
VERTICAL SPREAD	2.109	2.109	1.121
EXTREME SPREAD	2.357	2.151	1.891
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	10		

3 Mar 1993

FILE:/PATTERNING/CENTERFIRE_PATT/C6587637

CENTERFIRE PATTERNS

4

POA

1 in circle

2 in circle

3 in circle

OF SHOTS = 10

IN CIR

1 in = 1

2 in = 3

3 in = 7

HS = 3.107

VS = 2.028

GS = 3.208

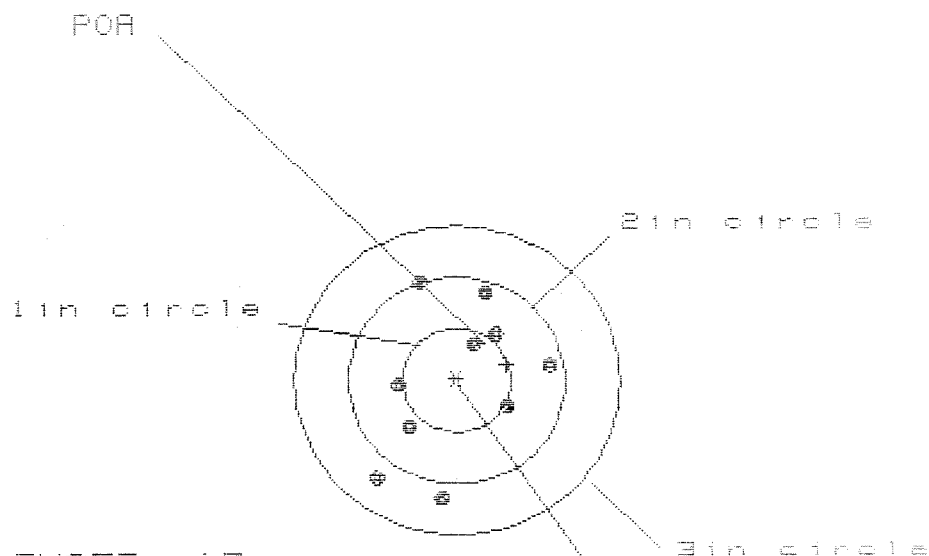
CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.705	1.873	1.879
MINIMUM X	:	-1.402	-1.234	-1.000
MAXIMUM Y	:	1.004	.901	.930
MINIMUM Y	:	-1.024	-1.127	-1.098
CENTROID X	:	-.152	-.320	-.554
CENTROID Y	:	-1.105	-1.002	-1.031
POA TO CENTROID in.	:	1.115	1.052	1.171
MIN RADIUS	:	.488	.576	.524
MEAN RADIUS	:	1.252	1.170	1.033
MAX RADIUS	:	1.771	1.887	1.897
HORIZONTAL SPREAD	:	3.107	3.107	2.879
VERTICAL SPREAD	:	2.028	2.028	2.028
EXTREME SPREAD	:	3.208	3.108	2.879
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		7	

3 Mar 1993

FILE:/PATTERNING/CENTERFIRE_PATT/08587637

CENTERFIRE PATTERNS # 5



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 7

3 in = 10

HS = 1.586

VS = 2.039

GS = 2.052

PATTERN #	5		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.883	.804	.780
MINIMUM X	-.704	-.620	-.644
MAXIMUM Y	.942	.837	.687
MINIMUM Y	-1.097	-1.202	-.711
CENTROID X	-.460	-.381	-.357
CENTROID Y	-.155	-.051	.099
POA TO CENTROID in.	.485	.385	.371
MIN RADIUS	.404	.281	.130
MEAN RADIUS	.769	.701	.604
MAX RADIUS	1.173	1.217	.886
HORIZONTAL SPREAD	1.586	1.424	1.424
VERTICAL SPREAD	2.039	2.039	1.398
EXTREME SPREAD	2.052	2.052	1.459
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		10	

Remington



REG. U.S. PAT. & TM. OFF.

MODEL 700™ M24

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

01

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

SERIAL NO.
C6587637

ORDER NO.
5716



5716 C6587637

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

NEW BBL

GUN SERIAL # C 6587637

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		10/30/90	KR
615	Rollmark Caliber		10/30/90	YH
617	Drill and Tap Sight Holes		11/6/90	FAB
618	Polish Barrel <i>POB</i>		11/7/90	WB
620	Apply Coatings (Barrel Action)		11/26/90	TH
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		11/30/90	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11/30/90	KS
	C) Inspect Ejector Hole for Chamfer		11/30/90	KS
	D) Oil Firing Pin Ass'y		11/30/90	KS
	E) Adjust Trigger Pull to Min Setting and Stake		12/3/90	TH

op. #	BARBER - M24 0024192	READINGS			DATE	INIT
625 cont.	F) Safety On Force	5	5	5	12/3/90	WB
	G) Safety Off Force	2	2	2	12/3/90	WB
	H) Trigger Pull Test & Retainability				12/3/90	JH
	I) Firing Pin Indent	.0205	.021	.021	12/3/90	WB
	J) Assemble Stock				12/4/90	KS
	K) Assemble Swivel Studs				12-8-90	QSS
	L) Attach Front and Rear Sight Assemblies				12/4/90	KS
	M) Iron Sight Alignment				12/4/90	KS
	N) Detach Front & Rear Sights & place in numbered container				12/4/90	KS
	O) Attach Scope to Rifle				12/4/90	KS
	P) Detach & Attach Scope 20 Times				12/4/90	KS
640	Gallery Target & Test				12-7-90	AC
	A) Time				12-7-90	AC
	B) Malfunctions				12-7-90	AC
	C) Pierced Primers				12-7-90	AC
	D) Optical Clarity of Scope				12-7-90	AC
645	Inspect for Live Ammo				12-7-90	AC
655	Final Inspection					
	A) Headspace				12-8-90	QSS
	B) Trigger Pull	244	244	244 243 241	12-8-90	QSS
	C) Function				12-8-90	QSS
660	Pack				12-19-90	DH

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. 26587637DATE 12-3-90TESTER JG

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.50	2.29	2.27	2.44	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.49	2.27	2.25	2.44	
PULL #3	2.30	2.27	2.26	2.44	
PULL #4	2.30	2.28	2.26	2.43	
PULL #5	2.31	2.28	2.24	2.41	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.17	3.24		
PULL #2	3.21	3.22		
PULL #3	3.16	3.22		
PULL #4	3.26	3.16		
PULL #5	3.16	3.23		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.35	4.43		4.42
PULL #2	4.38	4.39		4.41
PULL #3	4.35	4.36		4.44
PULL #4	4.39	4.36		4.43
PULL #5	4.23	4.43		4.36
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6587637
7 Dec 1990

CENTROIDAL DISTANCES

0 TO	1	.224439
1 TO	2	.191982
1 TO	3	.436005
1 TO	4	.374286
1 TO	5	.414162

8.21 <----POA

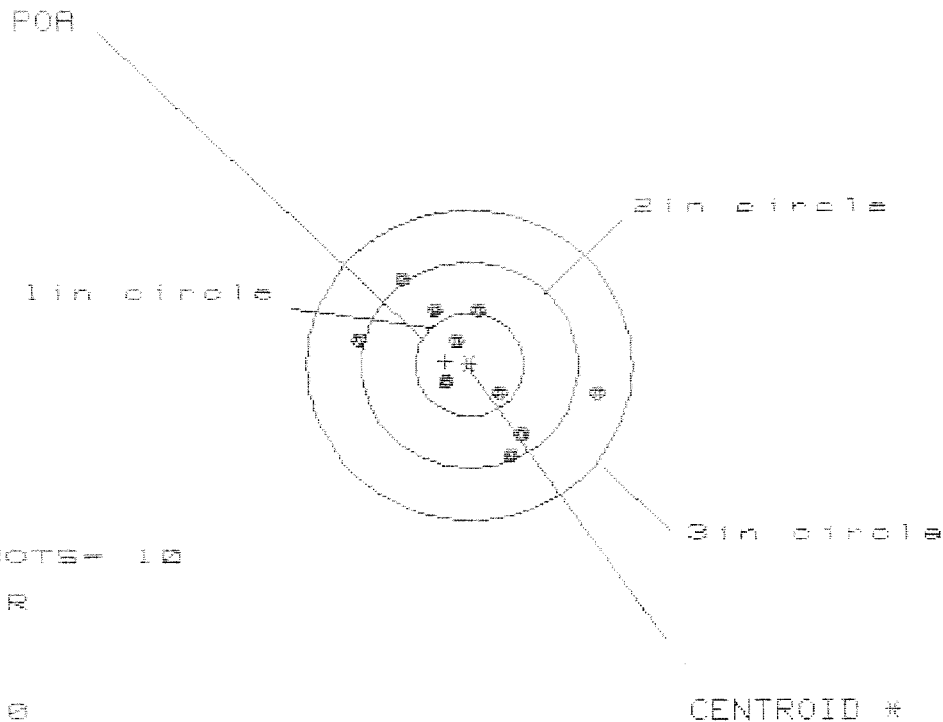
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0286
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .057
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0637727
THE AMR FOR THIS RIFLE IS: .841

7 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08587637

CENTERFIRE PATTERNS

1



OF SHOTS= 10

IN CIR

1in = 3

2in = 7

3in = 10

HS= 2.263

VS= 1.782

QS= 2.312

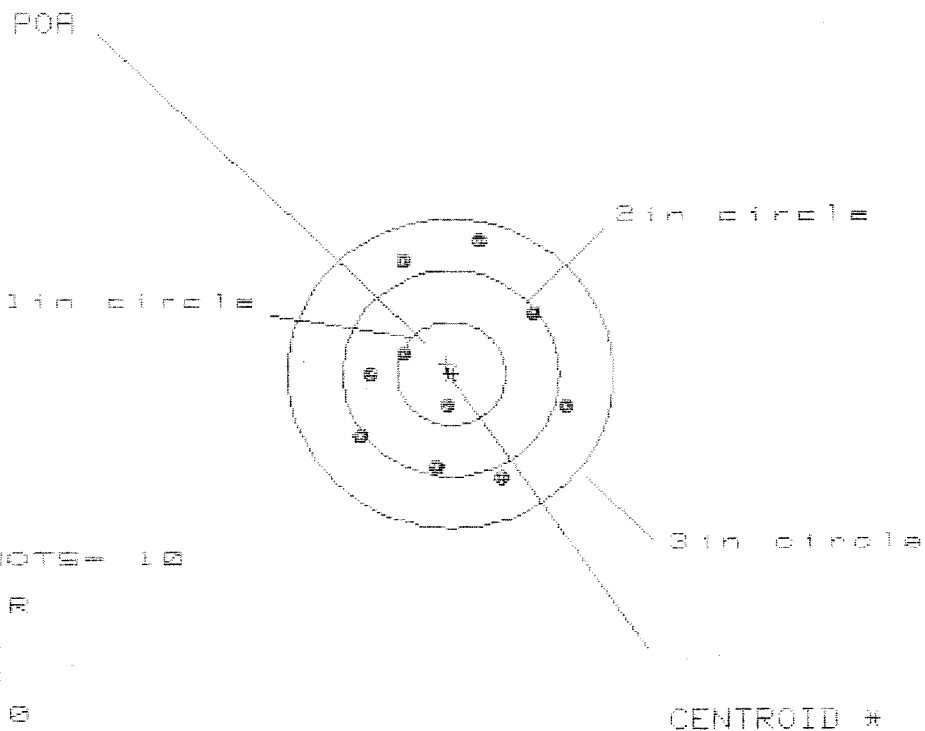
CENTROID #

PATTERN #	1	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.196	.613	.496
MINIMUM X	-1.067	-.934	-.587
MAXIMUM Y	.866	.833	.852
MINIMUM Y	-.916	-.949	-.930
CENTROID X	.222	.089	.206
CENTROID Y	-.033	-.000	-.019
POA TO CENTROID in.	.225	.089	.207
MIN RADIUS	.219	.169	.200
MEAN RADIUS	.726	.656	.616
MAX RADIUS	1.231	1.077	1.035
HORIZONTAL SPREAD	2.263	1.547	1.083
VERTICAL SPREAD	1.782	1.782	1.782
EXTREME SPREAD	2.312	2.034	2.034
NUMBER IN ONE INCH CIRCLE	= 3		
NUMBER IN TWO INCH CIRCLE	= 7		
NUMBER IN THREE INCH CIRCLE	= 10		

7 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06587637

CENTERFIRE PATTERNS # 2



OF SHOTS = 10

IN CIR

1 in = 2

2 in = 5

3 in = 10

HS = 1.830

VS = 2.236

GS = 2.242

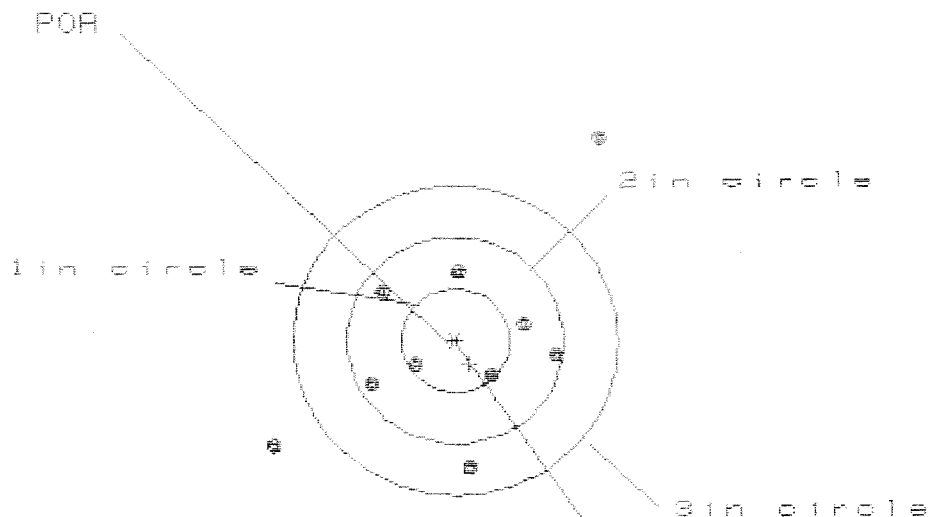
PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.042	1.075	1.030
MINIMUM X	:	-.888	-.855	-.900
MAXIMUM Y	:	1.279	1.204	.852
MINIMUM Y	:	-.957	-.815	-.664
CENTROID X	:	.041	.008	.053
CENTROID Y	:	-.097	-.239	-.390
POA TO CENTROID in.	:	.105	.239	.393
MIN RADIUS	:	.330	.191	.038
MEAN RADIUS	:	.902	.831	.750
MAX RADIUS	:	1.312	1.256	1.126
HORIZONTAL SPREAD	:	1.930	1.930	1.930
VERTICAL SPREAD	:	2.236	2.019	1.516
EXTREME SPREAD	:	2.242	2.191	1.981
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		10	

2 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08587637

CENTERFIRE PATTERNS

3



OF SHOTS = 10

IN CIR

1 in = 2

2 in = 7

3 in = 8

HS = 2.994

VS = 3.202

GS = 4.237

CENTROID #

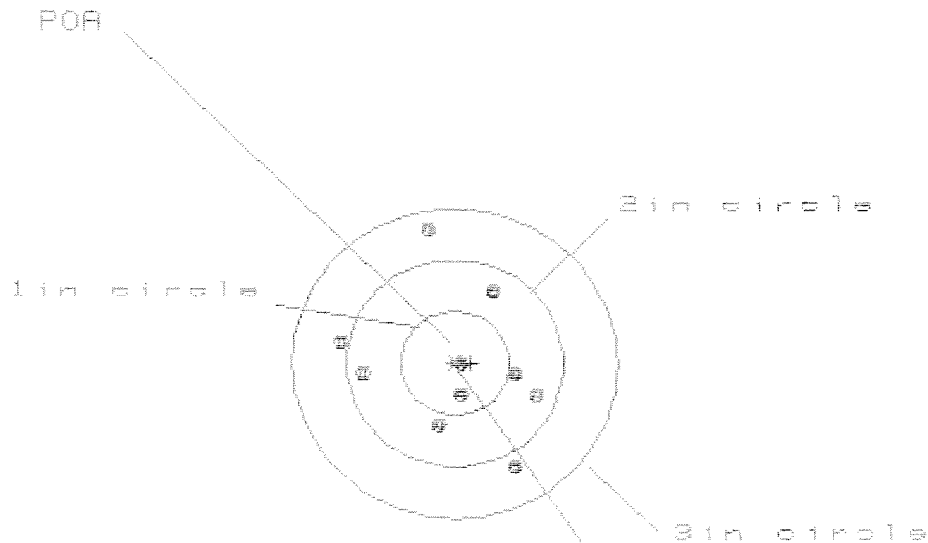
PATTERN #	3
SHOTS (BEST OF)	10
MAXIMUM X	1.347
MINIMUM X	-1.647
MAXIMUM Y	1.971
MINIMUM Y	-1.231
CENTROID X	-.128
CENTROID Y	.227
POA TO CENTROID in.	.261
MIN RADIUS	.373
MEAN RADIUS	1.041
MAX RADIUS	2.387
HORIZONTAL SPREAD	2.994
VERTICAL SPREAD	3.202
EXTREME SPREAD	4.237
NUMBER IN ONE INCH CIRCLE	2
NUMBER IN TWO INCH CIRCLE	7
NUMBER IN THREE INCH CIRCLE	8

7 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6587637

CENTERFIRE PATTERNS

4



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 7

3 in = 10

HS= 1.847

VS= 2.252

GS= 2.375

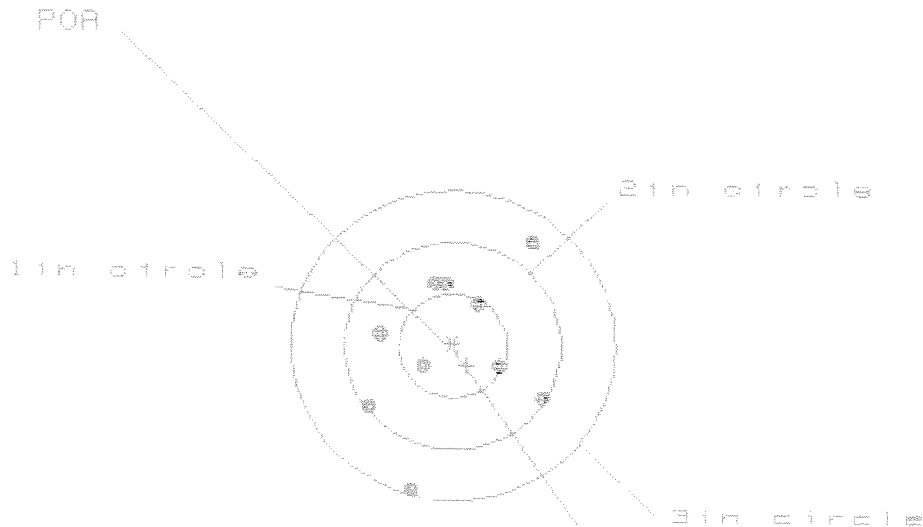
CENTROID *

PATTERN #		4		
SHOTS (BEST OF)		10	9	8
MAXIMUM X		.769	.747	.813
MINIMUM X		-1.079	-1.100	-1.034
MAXIMUM Y		1.294	.846	.744
MINIMUM Y		-.958	-.814	-.535
CENTROID X		-.151	-.129	-.195
CENTROID Y		-.002	-.146	-.044
POA TO CENTROID in.		.151	.195	.200
MIN RADIUS		.032	.130	.091
MEAN RADIUS		.749	.670	.638
MAX RADIUS		1.310	1.142	1.055
HORIZONTAL SPREAD		1.847	1.847	1.847
VERTICAL SPREAD		2.252	1.660	1.279
EXTREME SPREAD		2.375	1.977	1.893
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

7 Dec 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C6587637

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 2

2in = 8

3in = 10

HS= 1.587

VS= 2.467

GS= 2.730

CENTROID *

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.841	.797	.889
MINIMUM X	-.746	-.790	-.698
MAXIMUM Y	1.052	.895	.545
MINIMUM Y	-1.415	-.701	-.589
CENTROID X	-.127	-.083	-.175
CENTROID Y	.190	.347	.235
POA TO CENTROID in.	.228	.357	.293
MIN RADIUS	.346	.365	.334
MEAN RADIUS	.787	.691	.629
MAX RADIUS	1.469	1.156	1.021
HORIZONTAL SPREAD	1.587	1.587	1.587
VERTICAL SPREAD	2.467	1.596	1.134
EXTREME SPREAD	2.730	2.205	1.589
NUMBER IN ONE INCH CIRCLE	= 2		
NUMBER IN TWO INCH CIRCLE	= 8		
NUMBER IN THREE INCH CIRCLE	= 10		

RECEIVING AND ESTIMATING REPORT

COMMENTS

ORDER

R 93-02469

INITIAL CUSTOMER ORDER NO.

WOG 17 OF 30 W/10X SCOPE & DEPLOYMENT KIT
M-24

DATE RECEIVED

DATE OPENED

DATE CODE

SERIAL NUMBER

NEW SERIAL NUMBER

MODEL AND GRADE

NATO

01/25/93

01/25/93

RK 11-90

C6587637

700 7-62

ACCESSORIES

W/STUDS

W/SWIVELS

SOFT CASE

SCOPE BASE

FROM:

SHIP TO:

MCHALE, EDWARD J CPT;SF
HSC 3RD BN 3RD SFG (A)
FT BRAGG

NC 28307

MCHALE, EDWARD J CPT;SF
HSC 3RD BN 3RD SFG (A)
FT BRAGG

NC

28307

CUST NO: 073985 C.O.D

ACCOUNT NUMBER

ACCOUNT NUMBER N/C

WRITE ☐

CLEAN/TEST

PROM. DATE

ESTIMATED

VIA

UPS

GUN CONDITION

- ☐ NEW
☐ LIGHTLY WORN
☐ WORN
☐ VERY WORN
☐ UNREPAIRABLE
☐ MARRED

REPAIR CHARGE

EXCISE

TAX

INSURANCE

UPS

PARCEL POST

TOTAL

CUSTOMER CONCERN	AMMO	FUNCTION	FINISH	ACCURACY	FIT	INSPECT
CYCLE	A1	B1				
TRIGGER GROUP		B2			E1	F1
BOLT ASSY.		B3			E2	F2
BARREL ASSY.		B4		D1	E3	F3
REC. ASSY.		B5		D2	E4	F4
WOOD			C1	D3	E5	F5
METAL			C2			

MAIN FAULT

Rust on Gun

PARTS COMMENTS

Magazine Spring - 15627 Zinc phosphate Scope Base,
Trigger Assy - 96024 Scope Rings, Swivels & Swivel Studs.
Magazine - 96013 Re-powder Coat Floor plate, latch,
Barrel Assy Complete - 96001 Trigger Guard, Front & Rear Sight
Front Guard Screw - 96010 Base.
Rear Guard Screw - 96015
Front Sight Assy - 96118
Rear Sight Assy - 96119

REPAIRMAN PROOF CLEAN TEST TARGET PATTERN

RW

✓

✓

✓

✓

GALLERY TESTER DATE DATE DATE DATE DATE

RW

2/4/93

3/11/93

3/1/93

3/1/93

OFFICE COPY

RD6925 REV. 1/92

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 002400024239