

C6349138

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



Repair Inquiry

Repair Number: **RE00066531**

Serial: C6349138 Model 700 Center Fire Caliber:
308 SWS M24

Repairman:

Verify Repair

High Priority

Status:

New 6/12/2003 1:16:55 PM

Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name: **TRANSPORTATION OFFICER**

TRANSPORTATION OFFICER

Address 1: **BLDG 49015, CRSP**

BLDG 49015, CRSP

Address 2: **SANTA FE AVE**

PO Box:

SANTA FE AVE

PO Box:

City: **FORT HOOD**

FORT HOOD

State: **TX**

Zip Code: **76544**

Country: **US**

State: **TX**

Zip Code: **76544**

Country: **US**

FFL:

Contact / Condition

Problems

Estimate

History / Status

Shipping / Billing

Contact Information

Phone:

Fax:

Email:

Comments:

Received Condition

Fair

Condition Notes:

CSR Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	3
A026	Scope	1
A045	Bi Pod	1
C000	SCOPE CASE	1
C0001	DEPLOYMENT KIT	1
C002	FRONT AND REAR B.	1

Repair Search

Refresh

Close

negleij

6/17/2003

9:44 AM

CAPS

NUM

INS

SCPL

start

Microsoft

Part Search

RACD01-100-

Material Where

Arms Services

9:44 AM

Serial Number: **C6349138**

Model: **700**



RE00066531

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6349138.___0
FILE DATE AND TIME: 06/25/2003 07:07

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

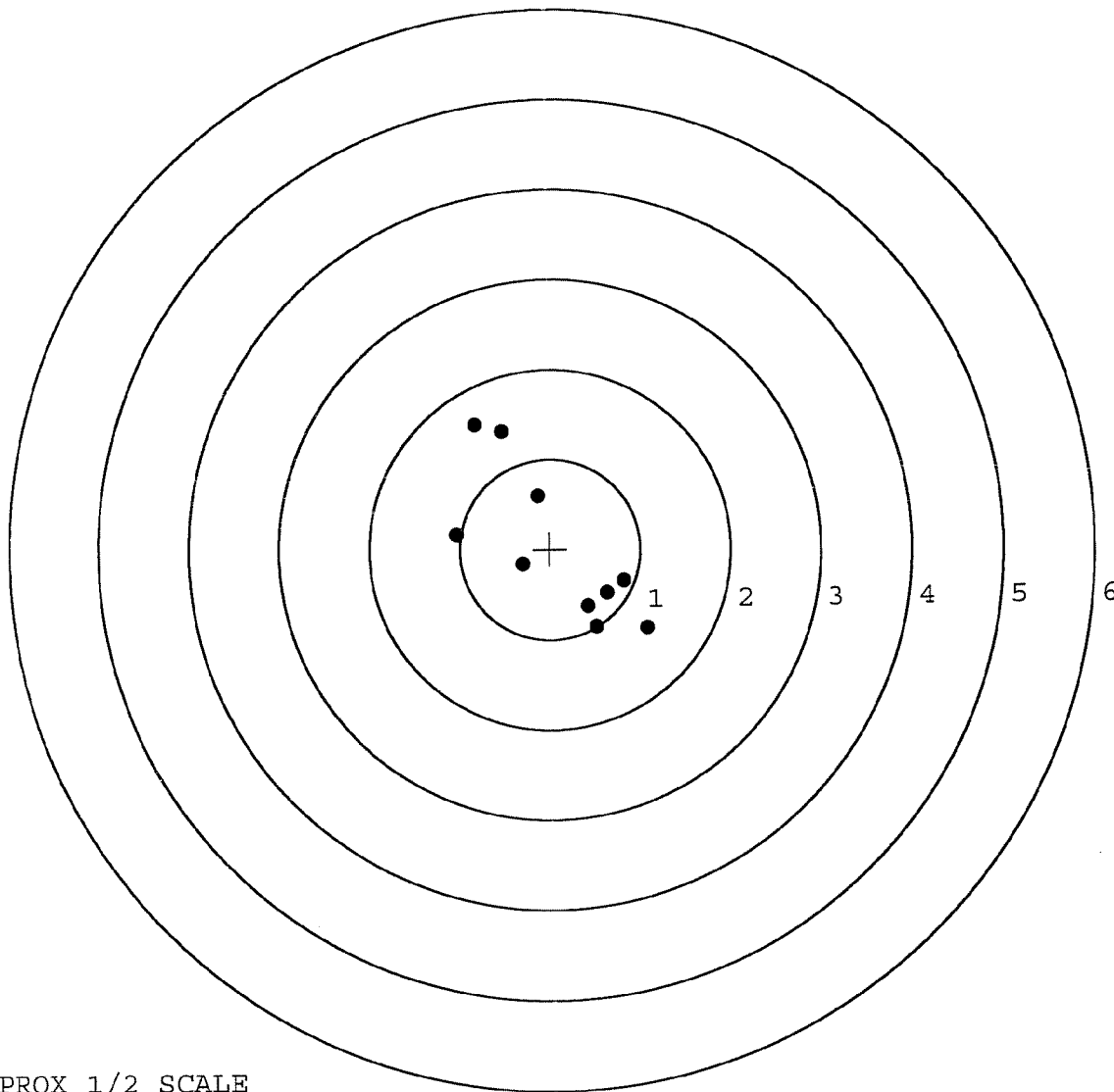
The Average X Centroid of the Five Target Set:	0.011
The Average Y Centroid of the Five Target Set:	-0.028
The Average Point of Impact of the Five Target Set:	0.030
The Average Mean Radius of the Five Target Set:	0.972
The Distance from POA to Centroid Target #1:	0.064
The Distance from Centroid Target #2 to Centroid Target #1:	0.226
The Distance from Centroid Target #3 to Centroid Target #1:	0.148
The Distance from Centroid Target #4 to Centroid Target #1:	0.104
The Distance from Centroid Target #5 to Centroid Target #1:	0.260

BARBER - M24 0108561

SERIAL NUMBER: C6349138. __0
 TARGET NUMBER: 1
 FILE DATE: 06/25/2003
 FILE TIME: 07:07

POINT#	X	Y
1:	-0.824	1.387
2:	-0.525	1.319
3:	-0.131	0.590
4:	-1.034	0.160
5:	-0.302	-0.173
6:	0.819	-0.358
7:	1.071	-0.874
8:	0.510	-0.864
9:	0.419	-0.639
10:	0.633	-0.492

X CENTROID: 0.064
 Y CENTROID: 0.006
 POA TO CENTROID: 0.064
 HORZ SPREAD: 2.105
 VERT SPREAD: 2.261
 GROUP SPREAD: 2.950
 MIN RADIUS: 0.407
 MAX RADIUS: 1.642
 MEAN RADIUS: 0.986
 # IN 1 IN DIAMETER: 1
 # IN 2 IN DIAMETER: 6
 # in 3 IN DIAMETER: 9



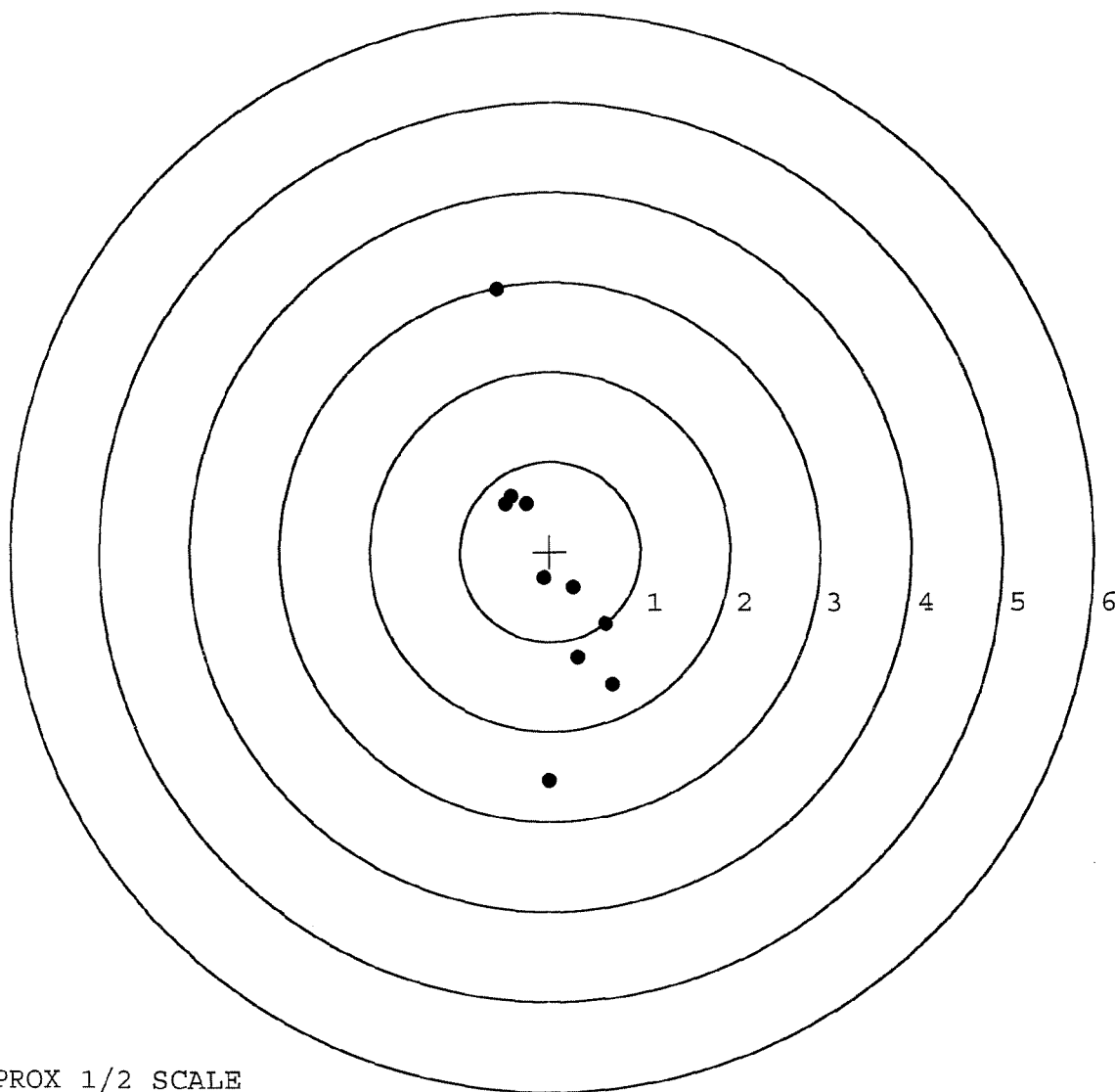
TARGET APPROX 1/2 SCALE

BARBER - M24 0108562

SERIAL NUMBER: C6349138. 0
 TARGET NUMBER: 2
 FILE DATE: 06/25/2003
 FILE TIME: 07:07

POINT#	X	Y
1:	-0.497	0.530
2:	-0.271	0.537
3:	-0.073	-0.294
4:	0.257	-0.399
5:	0.616	-0.804
6:	0.313	-1.176
7:	0.696	-1.477
8:	-0.006	-2.555
9:	-0.597	2.914
10:	-0.434	0.609

X CENTROID: 0.000
 Y CENTROID: -0.211
 POA TO CENTROID: 0.212
 HORZ SPREAD: 1.293
 VERT SPREAD: 5.469
 GROUP SPREAD: 5.501
 MIN RADIUS: 0.110
 MAX RADIUS: 3.182
 MEAN RADIUS: 1.188
 # IN 1 IN DIAMETER: 2
 # IN 2 IN DIAMETER: 6
 # in 3 IN DIAMETER: 8



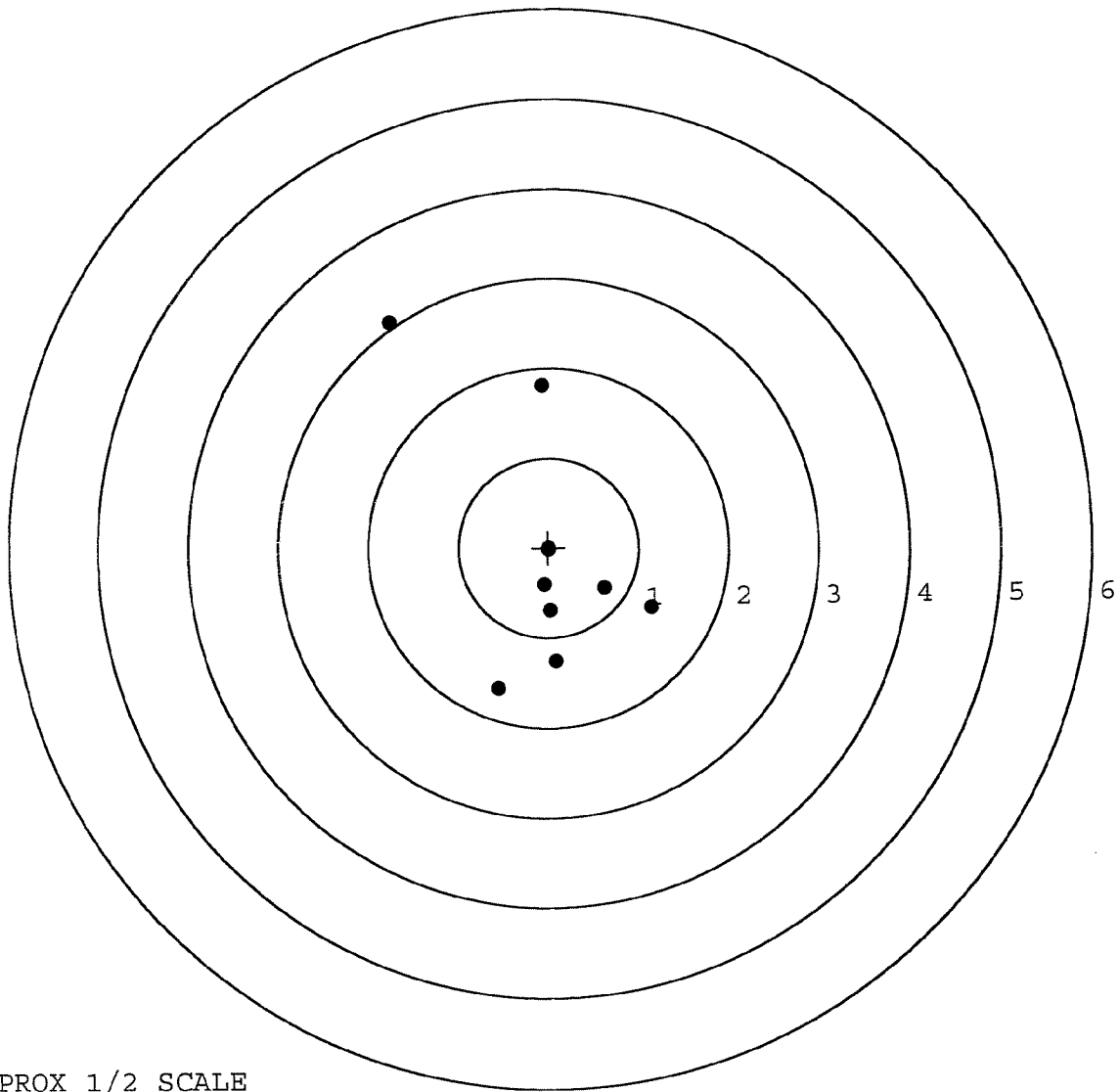
TARGET APPROX 1/2 SCALE

BARBER - M24 0108563

SERIAL NUMBER: C6349138. __0
 TARGET NUMBER: 3
 FILE DATE: 06/25/2003
 FILE TIME: 07:07

POINT#	X	Y
1:	-0.572	-1.566
2:	0.078	-1.273
3:	0.018	-0.701
4:	0.001	-0.032
5:	0.619	-0.454
6:	1.136	-0.676
7:	-0.059	1.802
8:	-1.745	2.523
9:	0.006	-0.007
10:	-0.052	-0.420

X CENTROID: -0.057
 Y CENTROID: -0.080
 POA TO CENTROID: 0.099
 HORZ SPREAD: 2.881
 VERT SPREAD: 4.089
 GROUP SPREAD: 4.305
 MIN RADIUS: 0.076
 MAX RADIUS: 3.103
 MEAN RADIUS: 1.100
 # IN 1 IN DIAMETER: 3
 # IN 2 IN DIAMETER: 5
 # in 3 IN DIAMETER: 7



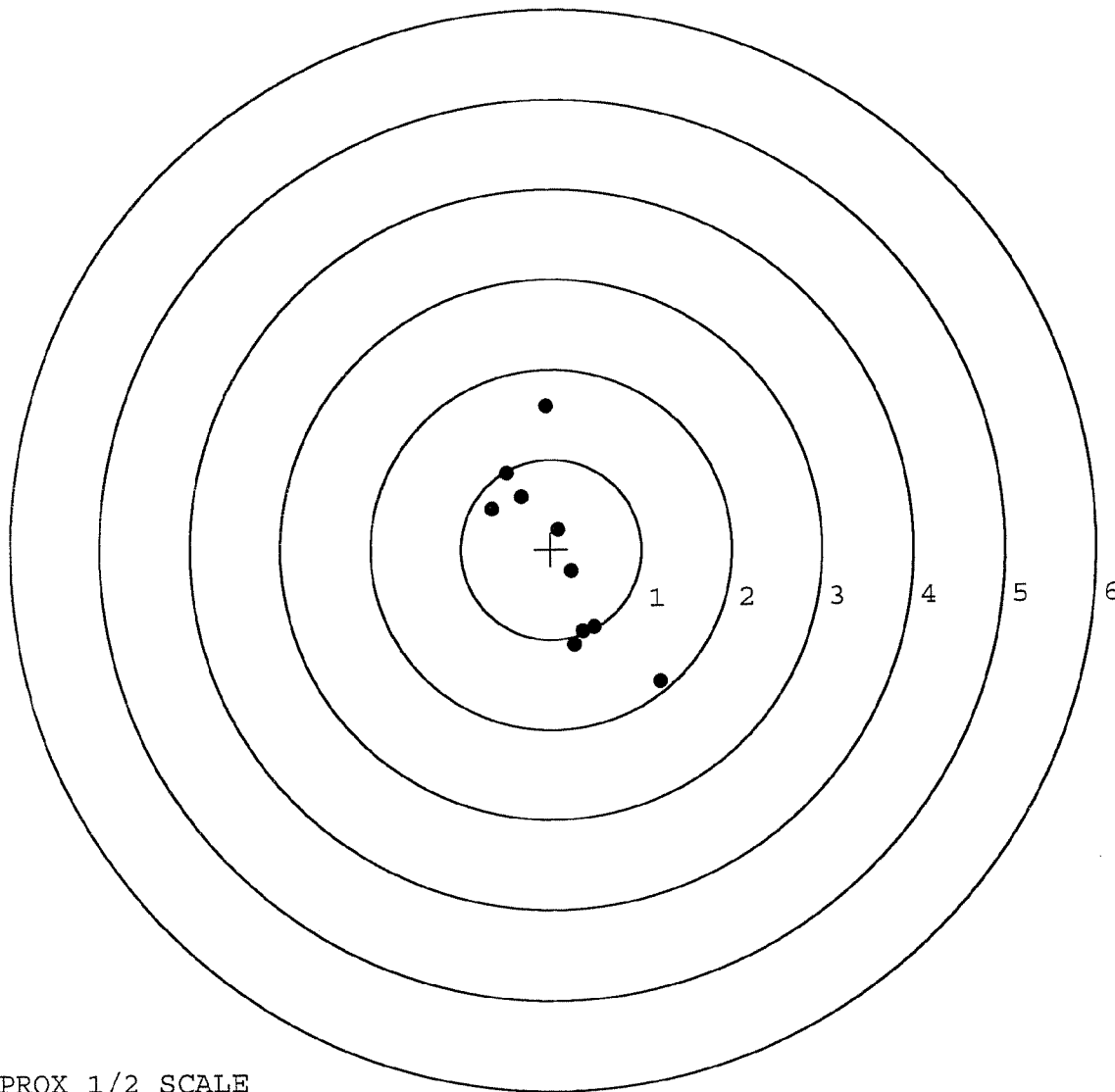
TARGET APPROX 1/2 SCALE

BARBER - M24 0108564

SERIAL NUMBER: C6349138. __0
 TARGET NUMBER: 4
 FILE DATE: 06/25/2003
 FILE TIME: 07:07

POINT#	X	Y
1:	-0.045	1.593
2:	-0.486	0.848
3:	-0.647	0.449
4:	-0.322	0.581
5:	0.084	0.216
6:	0.223	-0.251
7:	0.247	-1.064
8:	0.472	-0.873
9:	1.200	-1.474
10:	0.345	-0.915

X CENTROID: 0.107
 Y CENTROID: -0.089
 POA TO CENTROID: 0.139
 HORZ SPREAD: 1.847
 VERT SPREAD: 3.067
 GROUP SPREAD: 3.310
 MIN RADIUS: 0.199
 MAX RADIUS: 1.764
 MEAN RADIUS: 0.950
 # IN 1 IN DIAMETER: 2
 # IN 2 IN DIAMETER: 7
 # in 3 IN DIAMETER: 8



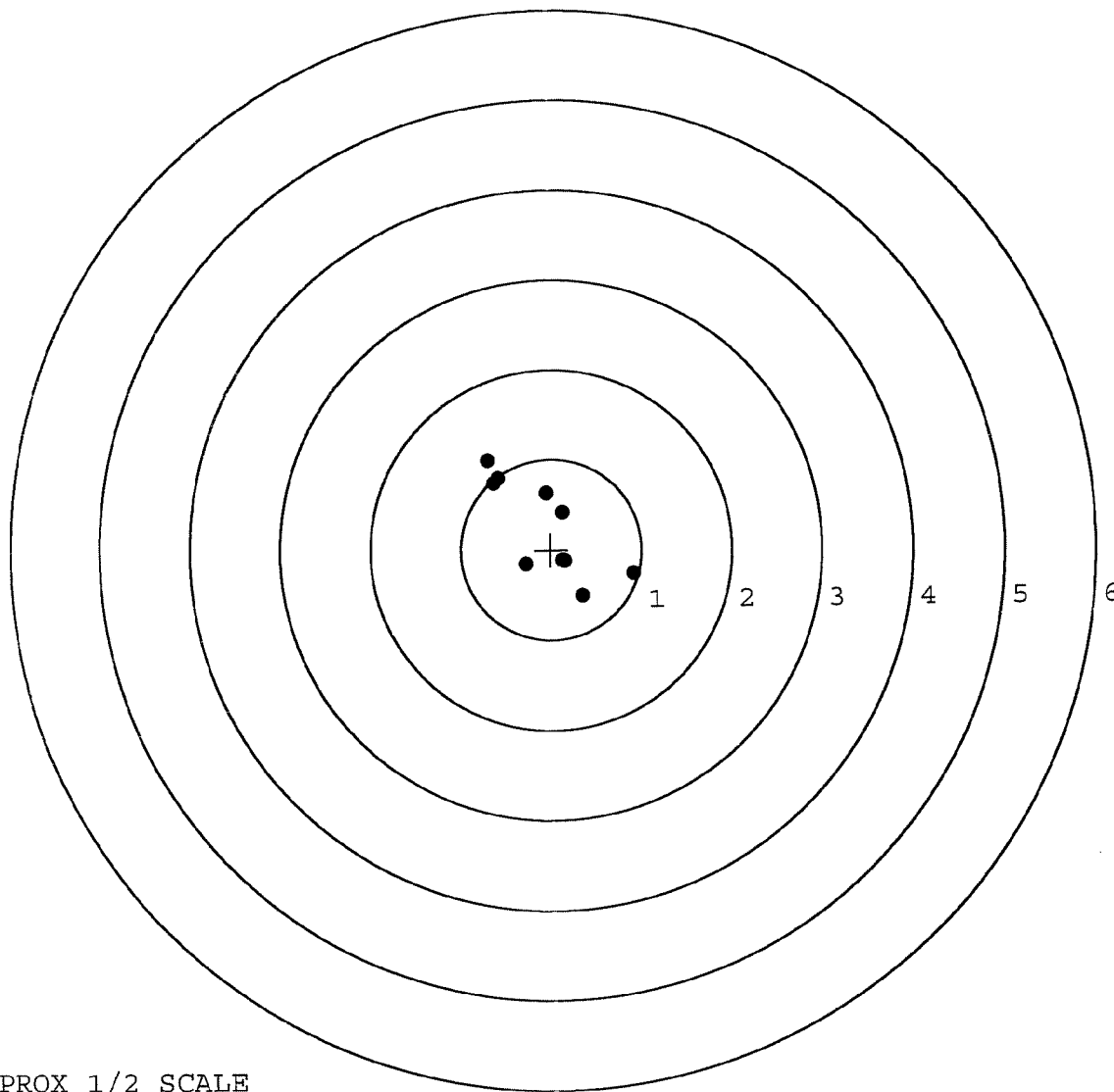
TARGET APPROX 1/2 SCALE

BARBER - M24 0108565

SERIAL NUMBER: C6349138. __0
 TARGET NUMBER: 5
 FILE DATE: 06/25/2003
 FILE TIME: 07:07

POINT#	X	Y
1:	-0.696	0.992
2:	-0.629	0.736
3:	-0.052	0.620
4:	0.132	0.413
5:	0.907	-0.268
6:	0.341	-0.516
7:	0.131	-0.124
8:	-0.286	-0.166
9:	-0.585	0.790
10:	0.147	-0.128

X CENTROID: -0.059
 Y CENTROID: 0.235
 POA TO CENTROID: 0.242
 HORZ SPREAD: 1.603
 VERT SPREAD: 1.508
 GROUP SPREAD: 2.039
 MIN RADIUS: 0.261
 MAX RADIUS: 1.089
 MEAN RADIUS: 0.638
 # IN 1 IN DIAMETER: 5
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL # C6349138 INSPECTED BY: RTC

DATE REC'D: 6-22-03 DATE RET'D: 6-26-03

ITEM

BARREL ASSEMBLY

☒ BARREL
☒ RECEIVER
☒ FRONT SIGHT BASE
☒ REAR SIGHT BASE
☒ SCREWS
☒ FINISH

SCOPE ASSEMBLY

☒ SCOPE
☒ SCOPE RINGS
☒ MOUNTING SCREWS
☒ MOUNTING BASE
☒ SCREWS
☒ FINISH
☒ CLARITY

ITEM

STOCK ASSEMBLY

☒ STOCK
☒ SLING AWIVEL STUDS
☒ ADJUSTABLE
☒ BUTT PLATE
☒ LOCK NUTS
☒ BARREL CLEARANCE
☒ COLOR / FINISH

SYSTEMS CASE

☒ SCOPE CASE
☒ IRON SIGHTS
☒ DEPLOYMENT KIT

TRIGGER ASSEMBLY

☒ SAFETY OPERATION
☒ RE-SET TO FACTORY SPECS

COMMENTS:

BARBER - M24 0108567 M-24 INSPECTION CHECKLIST
CONTRACT #: DAAE-20-02-D-0127

R & E NUMBER	60531		
SERIAL NUMBER	C6349138		
LOG-IN DATE	6-12-03		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	6-17-03	RTL
560 A	RE-BARREL	6-18-03	RTL
B	DRILL AND TAP	6-18-03	TRW
575	ASSEMBLE	6-18-03	RTL
600	PROOF	6-18-03	RTL
605	CHECK HEADSPACE	6-18-03	RTL
610	DIS-ASSEMBLE GUN	6-18-03	RTL
612	MAGNAFLUX	6-18-03	RTL
615	ROLLMARK CALIBER	6-18-03	RTL
618	ROTO-BLAST	6-18-03	JAB
620	APPLY COATINGS	6-19-03	TA
625 A	FINAL ASSEMBLY	6-24-03	RTL
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	6-25-03	TRW
655	FINAL INSPECT	6-26-03	RTL
660	PACK	6-26-03	DA
		SHIP DATE	
QAR INSPECTION DATE			

Remington [®]		DUPONT REG. U.S. PAT. & TM. OFF.	VERY IMPORTANT: Instruction Book enclosed to assure safe use of this firearm.
MODEL 700 TM M24		SERIAL NO. C6349138	ORDER NO. 5716
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat & Tm. Off, Marca Registrada Marque Deposee.		01	



5716 C6349138



CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6349138

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	3 31	90	RW
600	Proof	2 31	90	RW
607	Check Headspace	3 31	90	RW
610	Dis-assemble Gun	3 31	90	RW
612	Magnaflux Barrel Action	4-2-90		KCR
	Magnaflux Bolt	4-2-90		KCR
615	Rollmark Caliber	4-2-90		GL
617	Drill and Tap Sight Holes		4/4/90	FB
618	Polish Barrel RB		4/5/90	WB
620	Apply Coatings (Barrel Action)		4-9-90	JA
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly		4/18/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		4/18/90	RW
	C) Inspect Ejector Hole for Chamfer		4/18/90	RW
	D) Oil Firing Pin Ass'y		4/18/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		5/2/90	GL

BARBER - M24 0108570		READINGS					DATE	INIT
op. #	OP. NAME							
625 cont.	F) Safety On Force	4	4	4			5/7/90	DL
	G) Safety Off Force	3	3	3			5/7/90	DL
	H) Trigger Pull Test & Retainability						5/2/90	DL
	I) Firing Pin Indent	.020	.020	.0205			5/7/90	DL
	J) Assemble Stock						5/7/90	RW
	K) Assemble Swivel Studs						5/11/90	WB
	L) Attach Front and Rear Sight Assemblies						5/7/90	RW
	M) Iron Sight Alignment						5/7/90	RW
	N) Detach Front & Rear Sights & place in numbered container						5/7/90	RW
	O) Attach Scope to Rifle						5/7/90	DL
	P) Detach & Attach Scope 20 Times						5/7/90	DL
640	Gallery Target & Test						5-8-90	DH
	A) Time						5-8-90	DH
	B) Malfunctions						5-8-90	DH
	C) Pierced Primers						5-8-90	DH
	D) Optical Clarity of Scope						5-8-90	DH
645	Inspect for Live Ammo						5-8-90	DH
655	Final Inspection						5/11/90	WB
	A) Headspace						5/11/90	WB
	B) Trigger Pull	2.17	2.19	2.22	2.22	2.21	5/11/90	WB
	C) Function						5/11/90	WB
660	Pack						6-19-90	DH

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. 06349138

DATE 5/2/90

TESTER JRF

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.23	2.44	2.50	2.17	MIN. SETTING,
PULL #2	2.23	2.48	2.42	2.19	NO AVG. OF 5
PULL #3	2.48	2.40	2.51	2.22	READINGS ACCEPT-
PULL #4	2.44	2.43	2.43	2.22	ABLE LESS THAN 2#
PULL #5	2.47	2.50	2.51	2.21	
TOTAL	11.85	12.25	12.37		
AVG.	2.37	2.45	2.474		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.31	3.23		
PULL #2	3.28	3.47		
PULL #3	3.30	3.43		
PULL #4	3.25	3.45		
PULL #5	3.26	3.43		
TOTAL	16.40	17.01		
AVG.	3.28	3.402		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.23	4.38		4.33
PULL #2	4.51	4.37		4.36
PULL #3	4.51	4.34		4.39
PULL #4	4.37	4.37		4.16
PULL #5	4.40	4.37		4.36
TOTAL	22.02	21.83		21.60
AVG.	4.404	4.366		4.32

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6349138
9 May 1990

CENTROIDAL DISTANCES

0 TO	1	.221775
1 TO	2	.257449
1 TO	3	.0678823
1 TO	4	.681617
1 TO	5	.242835

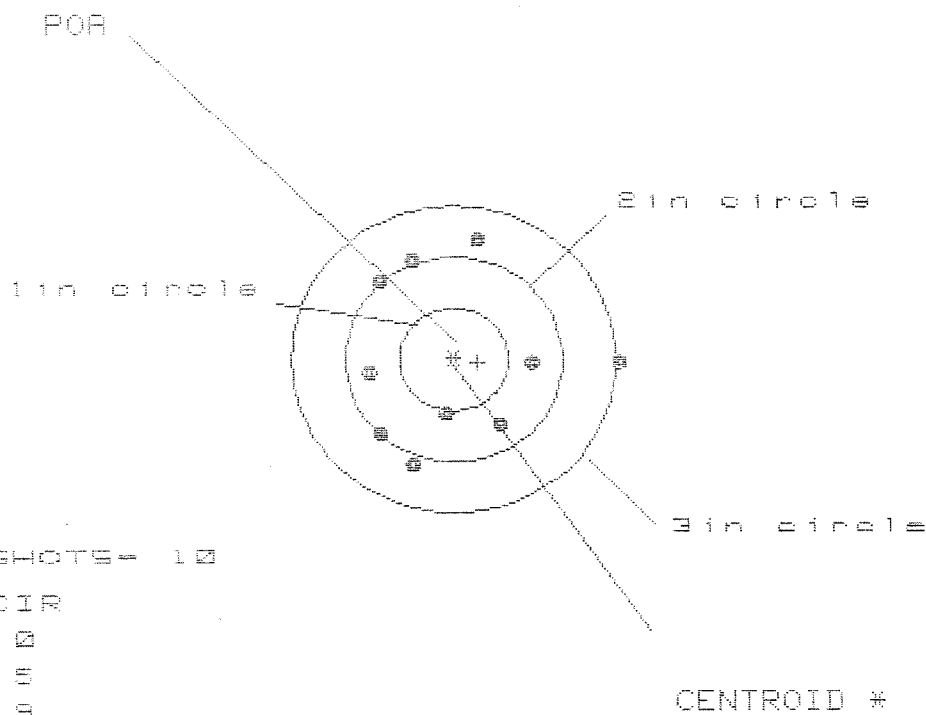
$\frac{35}{10}^4$ <----POR

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0338
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0892
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0953891
THE AMR FOR THIS RIFLE IS: .3806

9 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08349138

CENTERFIRE PATTERNS # 1



OF SHOTS - 10

IN CIR

1 in = 0

2 in = 5

3 in = 9

HS = 2.310

VS = 2.197

GS = 2.369

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.552	.884	.936
MINIMUM X	-.758	-.586	-.534
MAXIMUM Y	1.201	1.200	1.098
MINIMUM Y	-.996	-.997	-.847
CENTROID X	-.220	-.392	-.444
CENTROID Y	.028	.029	-.121
POA TO CENTROID in.	.222	.394	.460
MIN RADIUS	.532	.523	.386
MEAN RADIUS	.964	.882	.802
MAX RADIUS	1.552	1.269	1.106
HORIZONTAL SPREAD	2.310	1.470	1.470
VERTICAL SPREAD	2.197	2.197	1.945
EXTREME SPREAD	2.369	2.282	1.945
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	9		

9 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6349138

CENTERFIRE PATTERNS # 2

POA

1 in circle

2 in circle

3 in circle

OF SHOTS = 10

IN CIR

1 in = 2

2 in = 4

3 in = 10

HS = 2.338

VS = 1.783

GS = 2.407

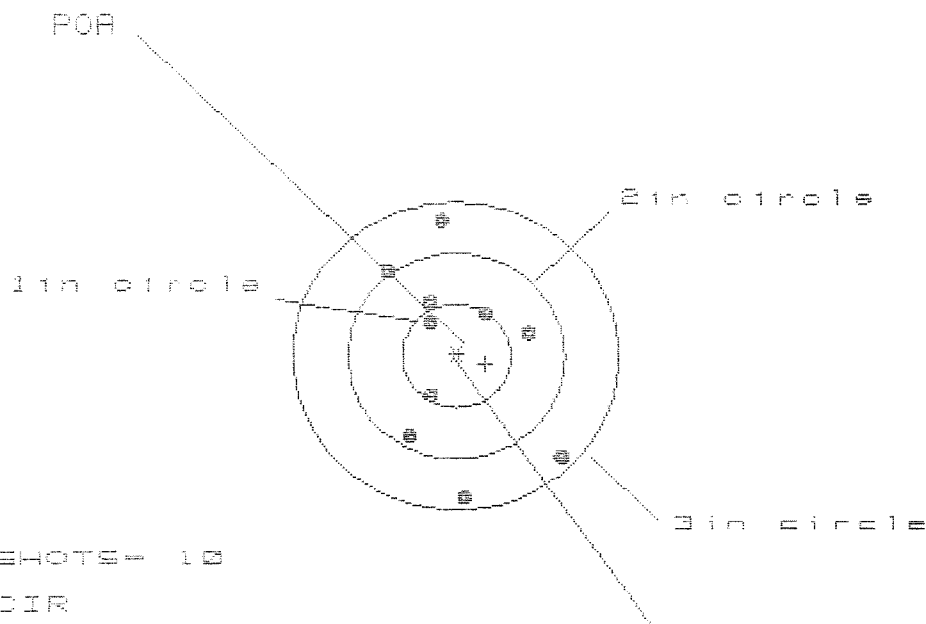
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.250	1.128	1.239
MINIMUM X	-1.088	-.949	-.838
MAXIMUM Y	.709	.759	.631
MINIMUM Y	-1.074	-1.024	-.662
CENTROID X	-.042	-.181	-.292
CENTROID Y	-.158	-.208	-.080
POA TO CENTROID in.	.164	.275	.303
MIN RADIUS	.392	.508	.544
MEAN RADIUS	.929	.880	.903
MAX RADIUS	1.326	1.357	1.362
HORIZONTAL SPREAD	2.338	2.077	2.077
VERTICAL SPREAD	1.783	1.783	1.293
EXTREME SPREAD	2.407	2.400	2.197
NUMBER IN ONE INCH CIRCLE	=	2	
NUMBER IN TWO INCH CIRCLE	=	4	
NUMBER IN THREE INCH CIRCLE	=	10	

9 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8349138

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1in = 3

2in = 6

3in = 10

HS= 1.570

VS= 2.670

GS= 2.681

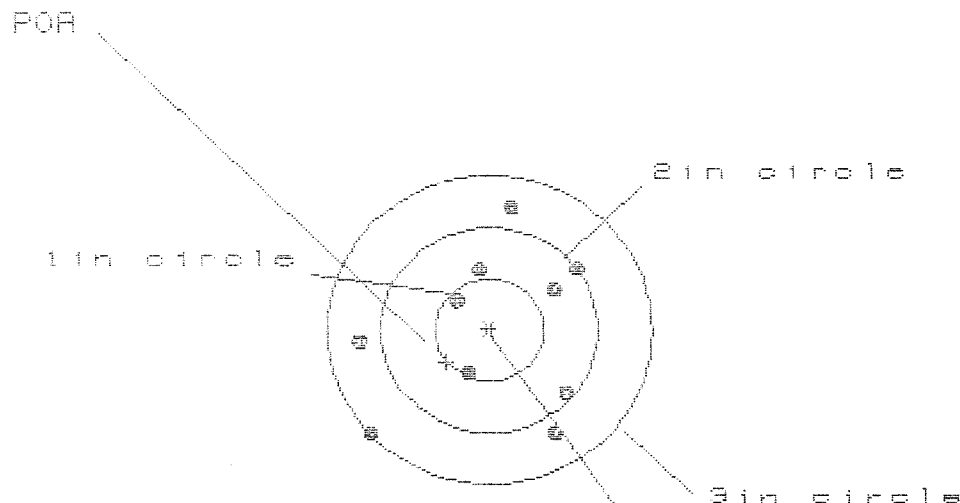
CENTROID *

PATTERN #	1	3	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.928	.937	.812
MINIMUM X	-.642	-.633	-.516
MAXIMUM Y	1.278	1.123	.981
MINIMUM Y	-1.392	-1.139	-1.084
CENTROID X	-.268	-.277	-.394
CENTROID Y	.076	.231	.373
POA TO CENTROID in.	.279	.360	.542
MIN_RADIUS	.389	.289	.143
MEAN_RADIUS	.861	.772	.646
MAX_RADIUS	1.394	1.475	1.123
HORIZONTAL SPREAD	1.570	1.570	1.328
VERTICAL SPREAD	2.670	2.262	2.065
EXTREME SPREAD	2.681	2.515	2.080
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		10	

9 May 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6349138

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 5

3 in = 10

HS= 1.992

VS= 2.184

GS= 2.536

CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.787	.667	.502
MINIMUM X	-1.205	-1.325	-.628
MAXIMUM Y	1.153	1.039	1.014
MINIMUM Y	-1.031	-1.078	-1.103
CENTROID X	.401	.521	.686
CENTROID Y	.309	.423	.448
POA TO CENTROID in.	.506	.671	.820
MIN RADIUS	.451	.499	.393
MEAN RADIUS	.914	.831	.754
MAX RADIUS	1.489	1.340	1.145
HORIZONTAL SPREAD	1.992	1.992	1.130
VERTICAL SPREAD	2.184	2.117	2.117
EXTREME SPREAD	2.536	2.150	2.150
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		10	

9 May 1990

FILE:/PATTERNING/CENTERFIRE_PATT/08349138

CENTERFIRE PATTERNS # 5

POA

1 in circle

2 in circle

3 in circle

OF SHOTS = 10

IN CIR

1 in = 3

2 in = 8

3 in = 10

HS = 2.002

VS = 1.382

GS = 2.021

CENTROID *

PATTERN #

5

SHOTS (BEST OF)	10	9	8
MAXIMUM X	.837	.708	.595
MINIMUM X	-1.165	-.902	-.790
MAXIMUM Y	.814	.795	.877
MINIMUM Y	-.568	-.587	-.488
CENTROID X	-.040	.089	.202
CENTROID Y	.191	.210	.111
POA TO CENTROID in.	.196	.228	.230
MIN RADIUS	.248	.138	.016
MEAN RADIUS	.735	.657	.547
MAX RADIUS	1.177	1.202	.928
HORIZONTAL SPREAD	2.002	1.610	1.385
VERTICAL SPREAD	1.382	1.382	1.365
EXTREME SPREAD	2.021	1.907	1.542
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		8	
NUMBER IN THREE INCH CIRCLE =		10	