

G641 4426
Rep/19220
C-6225475-

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: **RE00088164** Serial: C6225475 Model: M24 SWS Center Fire Caliber: 7.62 NATO Repairman: Status: Closed 11/19/2004 9:43:46 AM

Address Information

Customer: ☒ Received From Return To: ☐ Received From

Name: **TRANSPORTATION OFFICER** **TRANSPORTATION OFFICER**

Address 1: **COOK DR and KNOX ST** **COOK DR and KNOX ST**

Address 2: **PO Box:** **PO Box:**

City: **FORT BRAGG** **FORT BRAGG**

State: **NC** Zip Code: **28310** Country: **US** State: **NC** Zip Code: **28310** 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 Studs	3
A010	Hard Case	1
A017	Scope Bases	3
A026	Scope	1
A045	Bi Pod	1

Repair Search Refresh Close

noletj 11/19/2004 10:47 AM CAPS NUM INS SCPL

start 9 7 2 5 6 7

~~C6414429~~
 C6414426 (IKM)

Serial Number: ~~C6225475~~

Model: M24 SWS

RE00088164

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: G6414426.__1
FILE DATE AND TIME: 12/15/2004 08:11

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.020
The Average Y Centroid of the Five Target Set:	-0.087
The Average Point of Impact of the Five Target Set:	0.089
The Average Mean Radius of the Five Target Set:	0.885
The Distance from POA to Centroid Target #1:	0.152
The Distance from Centroid Target #2 to Centroid Target #1:	0.406
The Distance from Centroid Target #3 to Centroid Target #1:	0.266
The Distance from Centroid Target #4 to Centroid Target #1:	0.260
The Distance from Centroid Target #5 to Centroid Target #1:	0.364

BARBER - M24 0152241

SERIAL NUMBER: G6414426. 0

TARGET NUMBER: 1

FILE DATE: 12/15/2004

FILE TIME: 08:10

POINT#	X	Y
1:	-0.471	-1.523
2:	0.090	-0.937
3:	0.045	-0.612
4:	-0.001	-0.055
5:	0.322	0.322
6:	0.399	0.627
7:	0.045	1.086
8:	-1.002	0.401
9:	-1.266	0.152
10:	0.346	0.849

X CENTROID: -0.149

Y CENTROID: 0.031

POA TO CENTROID: 0.152

HORZ SPREAD: 1.665

VERT SPREAD: 2.609

GROUP SPREAD: 2.660

MIN RADIUS: 0.171

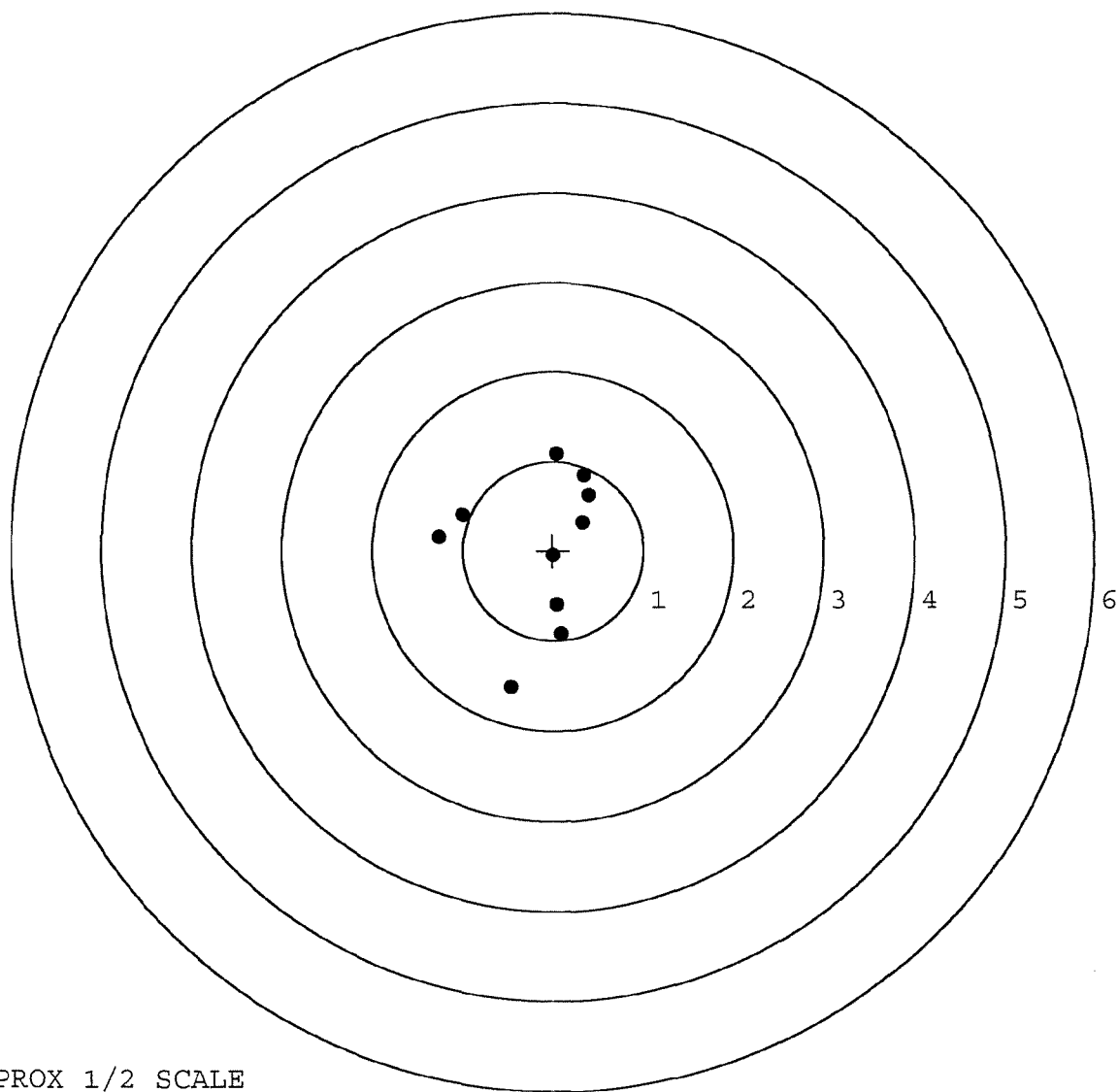
MAX RADIUS: 1.587

MEAN RADIUS: 0.887

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

BARBER - M24 0152242

SERIAL NUMBER: G6414426. __ 0

TARGET NUMBER: 2

FILE DATE: 12/15/2004

FILE TIME: 08:10

POINT#	X	Y
1:	0.366	-1.474
2:	0.060	-1.188
3:	0.273	-1.177
4:	0.697	-0.348
5:	0.934	0.538
6:	-0.171	0.772
7:	-0.162	0.533
8:	-0.168	0.359
9:	0.167	0.097
10:	-0.151	-0.105

X CENTROID: 0.184

Y CENTROID: -0.199

POA TO CENTROID: 0.272

HORZ SPREAD: 1.105

VERT SPREAD: 2.246

GROUP SPREAD: 2.309

MIN RADIUS: 0.297

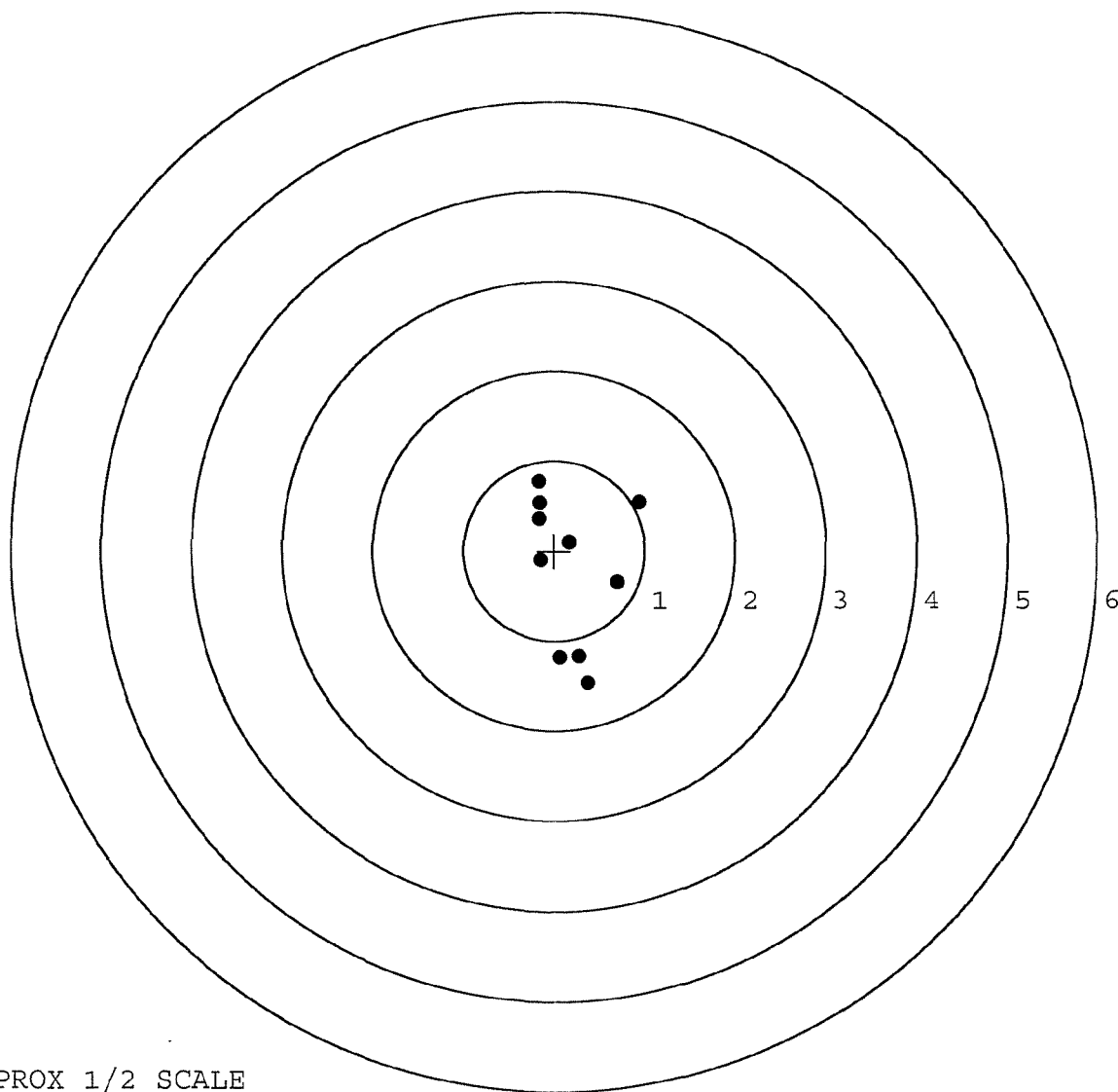
MAX RADIUS: 1.288

MEAN RADIUS: 0.800

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

BARBER - M24 0152243

SERIAL NUMBER: G6414426. __0

TARGET NUMBER: 3

FILE DATE: 12/15/2004

FILE TIME: 08:10

POINT#	X	Y
1:	0.278	-2.169
2:	0.672	-0.640
3:	0.772	0.546
4:	0.323	1.016
5:	-0.024	1.237
6:	0.182	0.169
7:	-0.388	0.189
8:	-0.421	-0.141
9:	-0.213	-0.595
10:	-0.529	-0.882

X CENTROID: 0.065

Y CENTROID: -0.127

POA TO CENTROID: 0.143

HORZ SPREAD: 1.301

VERT SPREAD: 3.406

GROUP SPREAD: 3.419

MIN RADIUS: 0.318

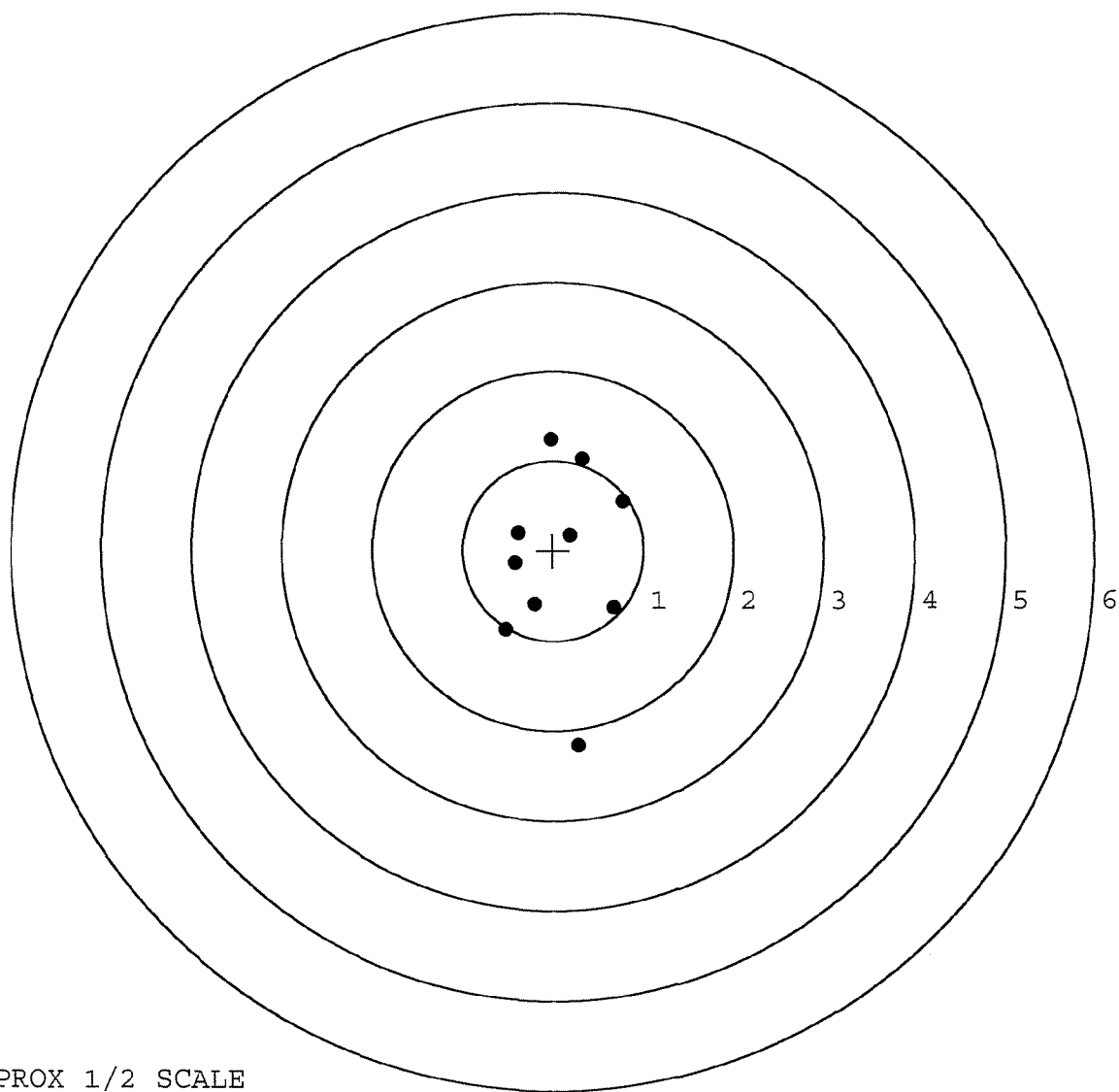
MAX RADIUS: 2.053

MEAN RADIUS: 0.922

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

BARBER - M24 0152244

SERIAL NUMBER: G6414426.____0

TARGET NUMBER: 4

FILE DATE: 12/15/2004

FILE TIME: 08:10

POINT#	X	Y
1:	1.244	0.757
2:	0.638	1.286
3:	0.281	0.553
4:	-0.155	0.730
5:	-0.809	1.353
6:	-0.255	0.117
7:	-0.368	-0.307
8:	-0.247	-0.809
9:	0.020	-0.926
10:	0.339	-1.027

X CENTROID: 0.069

Y CENTROID: 0.173

POA TO CENTROID: 0.186

HORZ SPREAD: 2.053

VERT SPREAD: 2.380

GROUP SPREAD: 2.642

MIN RADIUS: 0.329

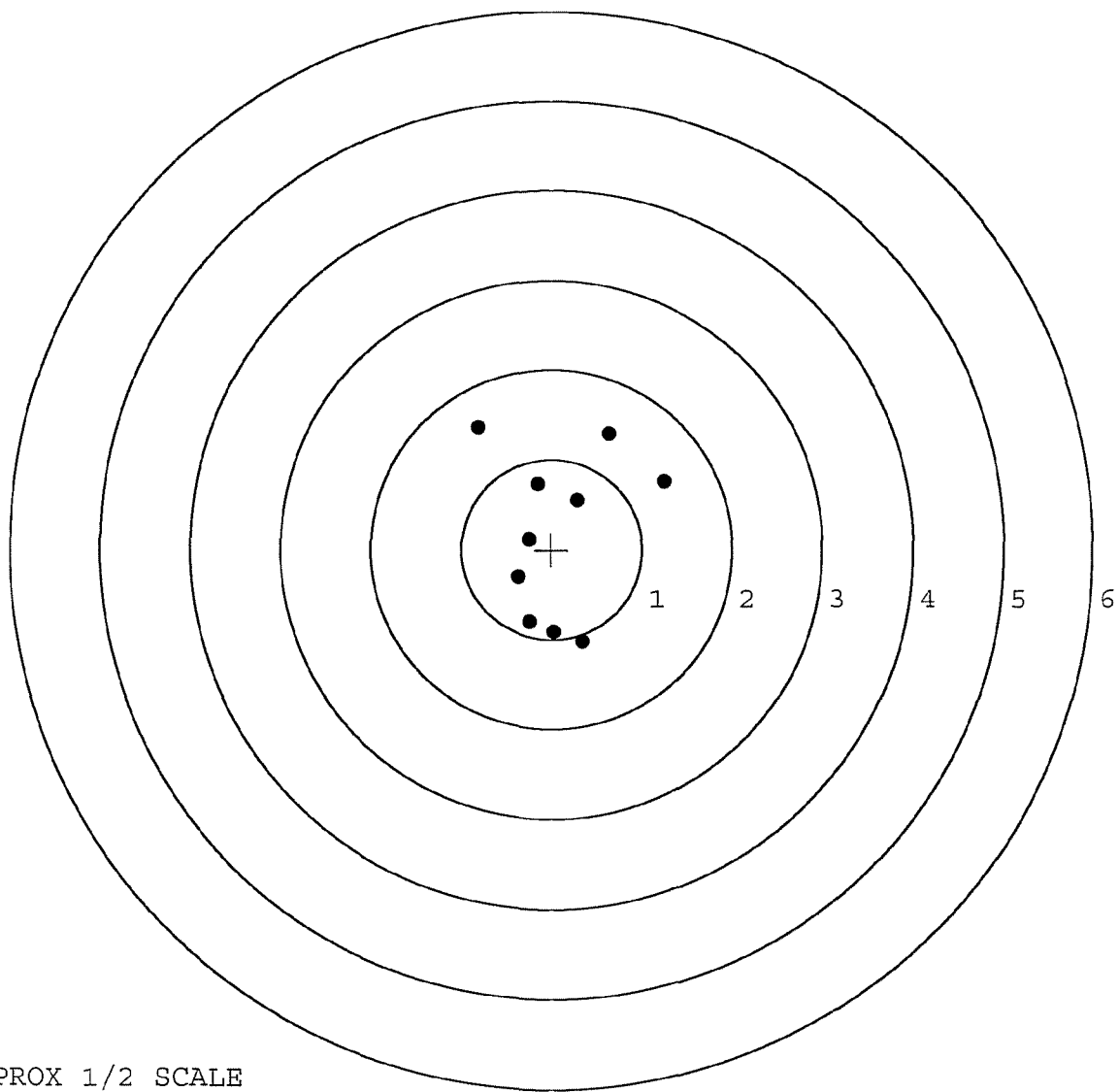
MAX RADIUS: 1.471

MEAN RADIUS: 0.941

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 4

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

BARBER - M24 0152245

SERIAL NUMBER: G6414426. __0

TARGET NUMBER: 5

FILE DATE: 12/15/2004

FILE TIME: 08:10

POINT#	X	Y
1:	0.059	-0.979
2:	-0.130	-0.908
3:	-0.532	-0.934
4:	-0.921	-1.182
5:	-1.834	-0.602
6:	-0.468	-0.203
7:	0.524	0.209
8:	0.263	0.175
9:	-0.024	0.466
10:	0.366	0.828

X CENTROID: -0.270

Y CENTROID: -0.313

POA TO CENTROID: 0.413

HORZ SPREAD: 2.358

VERT SPREAD: 2.010

GROUP SPREAD: 2.624

MIN RADIUS: 0.227

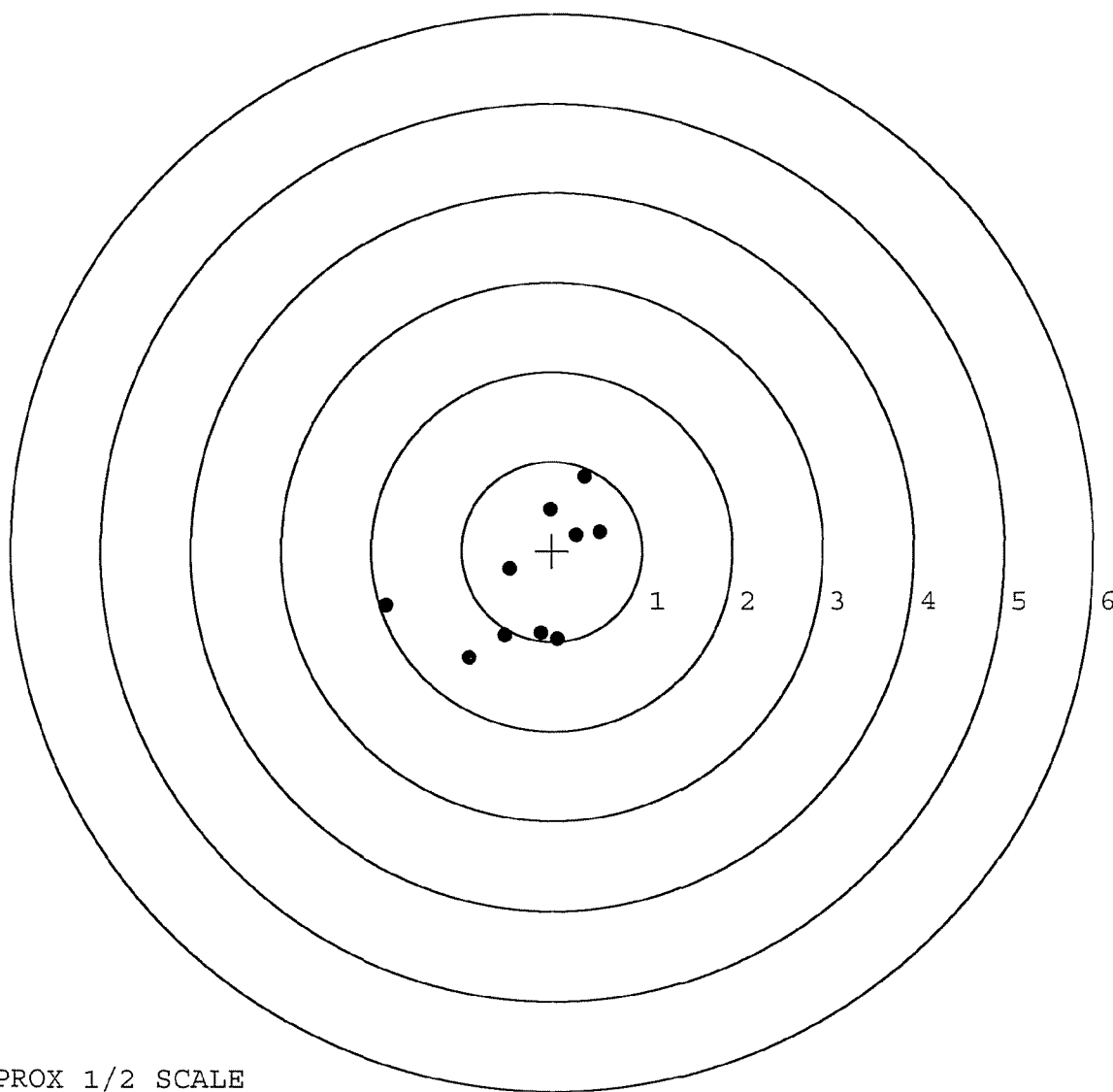
MAX RADIUS: 1.591

MEAN RADIUS: 0.873

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

AVERAGE PULL FORCE BETWEEN

SERIAL NO.

INITIAL 2.50 LBS TESTS
BARBER - M24 0152246

2.50 LBS (plus or minus 0.50 LBS)

DATE 12-7-04

3.00 LBS (plus or minus 0.75 LBS)

TESTER TRC

4.00 LBS (plus or minus 1.00 LBS)

	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50 LBS		COMMENTS
PULL #1	2.48	2.77		2.19	
PULL #2	2.81	2.79		2.32	
PULL #3	2.79	2.52		2.06	
PULL #4	2.75	2.52		2.25	
PULL #5	2.59	2.43		2.21	
TOTAL	13.42	13.03		11.03	
AVERAGE	2.68	2.60		2.20	

	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES		COMMENTS
PULL #1	3.22	3.33		
PULL #2	3.25	3.38		
PULL #3	3.35	3.20		
PULL #4	3.34	3.37		
PULL #5	3.34	3.37		
TOTAL	16.50	16.65		
AVERAGE	3.30	3.33		

	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	4.35	4.25		4.38
PULL #2	4.38	4.26		4.38
PULL #3	4.33	4.29		4.32
PULL #4	4.39	4.30		4.40
PULL #5	4.36	4.30		4.46
TOTAL	21.81	21.40		21.94
AVERAGE	4.36	4.28		4.38

R & E NUMBER	88172		
SERIAL NUMBER	06225475 064144 ²⁶ RTZ		
LOG-IN DATE	11-19-04		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	11-24-04	AC
560 A	RE-BARREL	12-1-04	RTZ
B	DRILL AND TAP	12-3-04	TRW
575	ASSEMBLE	12-2-04	RTZ
600	PROOF	12-2-04	RTZ
605	CHECK HEADSPACE	12-2-04	RTZ
610	DIS-ASSEMBLE GUN	12-3-04	RTZ
612	MAGNAFLUX	12-3-04	SB
615	ROLLMARK CALIBER	12-6-04	LB
618	ROTO-BLAST	12-7-04	HP
620	APPLY COATINGS	12-13-04	RTZ
625 A	FINAL ASSEMBLY		
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	12-14-04	TRW
655	FINAL INSPECT	12-15-04	AC
660	PACK	12-17-04	RTZ
		SHIP DATE	
		QAR INSPECTION DATE	

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C 6225475

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

BARBER - M24 0152249		READINGS					DATE	INIT
op. #	OP. NAME							
625 cont.	F) Safety On Force							
	G) Safety Off Force							
	H) Trigger Pull Test & Retainability							
	I) Firing Pin Indent							
	J) Assemble Stock							
	K) Assemble Swivel Studs							
	L) Attach Front and Rear Sight Assemblies							
	M) Iron Sight Alignment							
	N) Detach Front & Rear Sights & place in numbered container							
	O) Attach Scope to Rifle							
	P) Detach & Attach Scope 20 Times							
640	Gallery Target & Test							
	A) Time							
	B) Malfunctions							
	C) Pierced Primers							
	D) Optical Clarity of Scope							
645	Inspect for Live Ammo							
655	Final Inspection							
	A) Headspace							
	B) Trigger Pull	2.52	2.52	2.63	2.57	2.53	4/9/90	RW
	C) Function							
660	Pack						4/10/90	DH

RECEIVING AND ESTIMATING REPORT

BARBER - M24 0152289

COMMENTS

W/ 10X LEUPOLD SCOPE
M-24

INITIAL CUSTOMER ORDER NO.

RLP

DATE RECEIVED	DATE OPENED	DATE CODE	SERIAL NUMBER	MODEL AND GRADE	ORDER
02/12/90	02/15/90	DI 3/89	C6225475	9999 7.62 NATO	R 90-06409
ACCESSORIES					HARD CASE

FROM:

COMMANDER D C O
782ND MAINTENANCE BLDG
ATTN: ARMAMENT SECTION
FORT BRAGG NC 28307-5100

SHIP TO:

COMMANDER D C O
782ND MAINTENANCE BLDG
ATTN: ARMAMENT SECTION
FORT BRAGG NC
28307-5100

ACCOUNT NUMBER

ACCOUNT NUMBER N/C

WRITE ☐

PROM. DATE

ESTIMATED

VIA

UPS

REPAIR CHARGE

TAX

INSURANCE

UPS

PARCEL POST

TOTAL

GUN CONDITION:

☐ NEW

☒ SLIGHTLY WORN

☐ VERY WORN

☐ MISUSED

☐ MARRED

CUSTOMER'S REQUEST

PIKE FIRES WHEN PUSHING SAFE OFF

MAIN FAULT

Broken Trigger Assembly

Revolving

PARTS

PARTS MISSING

1- 96043- FRONT SCOPE DUST COVER

1- 96044- REAR SCOPE DUST COVER

1- 96114 BORE BRUSH

1- 96106 M-16 CLEANING BRUSH

1- 96091 CLEANING ROD ASSY

1- 96115 OIL BOTTLE

1- 16935 CHAMBER BRUSH

SYSTEM HAS 2 :

96053 LENS CLEANING KITS

SETS OF ACCESSORIES AC

REPAIRMAN

PROOF

CLEAN

TEST

TARGET

PATTERN

GALLERY TESTER

DATE

DATE

DATE

DATE

DATE

RD6925 REV. 6/88

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 0152289

[illegible]

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

SERIAL NO. C6225475
DATE 4/9/80
TESTER AW

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	2.38	2.51	2.52	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.38	2.44	2.52	
PULL #3	2.34	2.56	2.63	
PULL #4	2.34	2.53	2.57	
PULL #5	2.41	2.54	2.53	
TOTAL	11.85	12.58	12.77	
AVG.	2.37	2.52	2.55	

	3.00# INITIAL	3.00# AFTER 20 CYCLES	COMMENTS
PULL #1	3.19	3.15	
PULL #2	3.25	3.18	
PULL #3	3.24	3.07	
PULL #4	3.23	3.21	
PULL #5	3.32	3.16	
TOTAL	16.23	15.77	
AVG.	3.25	3.15	

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.12	4.10		
PULL #2	4.14	4.06		
PULL #3	4.08	4.00		
PULL #4	4.15	4.05		
PULL #5	4.11	4.04		
TOTAL	20.60	20.25		
AVG.	4.12	4.05		

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225475

OP. #	OP. NAME	READINGS	DATE	INITIAL
575 & 580	Assemble Action and stock	8	9/88	FB
600	Proof	9	7/88	RW
607	Check Headspace	9	7/88	RW
610	Dis-assemble gun	9	7/88	RW
612	Magnaflux Barrel Action		9-14-88	RFL.
	Magnaflux Bolt		9-14-88	RFL.
615	Rollmark Caliber		9-20-88	G-5
617	Drill & Tap Sight Holes		9-27-88	FB
618	Polish Barrel		9-27-88	BT
620	Apply Coatings (Barrel Action)		10-31-88	TJA
	Apply Coatings (Bolt)		10-31-88	TJA
625	Final Assembly A) Clean inside of Bolt Assembly		1/10/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		1/10/89	RW
	C) Inspect Ejector Hole for Chamfer		1/10/89	RW

OVER

OP.#		READINGS	DATE	INITIAL
625 cont.	D) Oil Firing Pin Ass'y		1/10/89	RLW
	E) Adjust Trigger Pull to Min. Setting and Stake		1/9/89	RLS
	F) Safety on Force	5 5 5	1/10/89	RLS
	G) Safety off Force	3 3 3	1/10/89	RLS
	H) Trigger Pull Test & Retainability		1/9/89	RLS
	I) Firing Pin Indent	.020 .020 .0205	1/10/89	RLS
	J) Assemble Stock		1/10/89	RLW
	K) Assemble Swivel Studs			
	L) Attach Front & Rear Sight Assemblies		1/10/89	RLW
	M) Iron Sight Alignment		1/10/89	RLW
	N) Detach Front & Rear Sights & place in numbered container		1/10/89	RLW
	O) Attach Scope to Rifle		16 Jan 89	RLS
	P) Detach & Attach Scope 20 times		16 Jan 89	RLS
640	Gallery Target & Test	38R 115L	Jan 20, 89	DH
	A) Optical Clarity of Scope		Jan 20, 89	DH
645	Inspect for Live Ammo		Jan 20, 89	DH
655	Final Inspection			
	A) Headspace		29 Jan 89	RLS
	B) Trigger Pull		27 Jan 89	RLS
	C) Function		27 Jan 89	RLS
660	Pack		22 Mar 89	RLS

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6225475

DATE 9 Jan 89

TESTER J. J. + D. S.

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.45	2.35	2.55	2.37	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.33	2.31	2.51	2.34	
PULL #3	2.33	2.28	2.47	2.31	
PULL #4	2.30	2.32	2.56	2.32	
PULL #5	2.28	2.32	2.49	2.32	
TOTAL	11.69	11.58	12.58	11.66	
AVG.	2.338	2.316	2.516	2.332	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.32	3.37		
PULL #2	3.34	3.38		
PULL #3	3.33	3.39		
PULL #4	3.36	3.42		
PULL #5	3.34	3.41		
TOTAL	16.69	16.97		
AVG.	3.338	3.394		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.10	4.16		4.22
PULL #2	4.12	4.15		4.20
PULL #3	4.09	4.18		4.18
PULL #4	4.03	4.15		4.24
PULL #5	4.16	4.15		4.23
TOTAL	20.50	20.79		21.07
AVG.	4.10	4.158		4.214

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225475
26 Jan 1989

CENTROIDAL DISTANCES

0 TO 1	.425735
1 TO 2	.839002
1 TO 3	.565632
1 TO 4	.289443
1 TO 5	1.45367

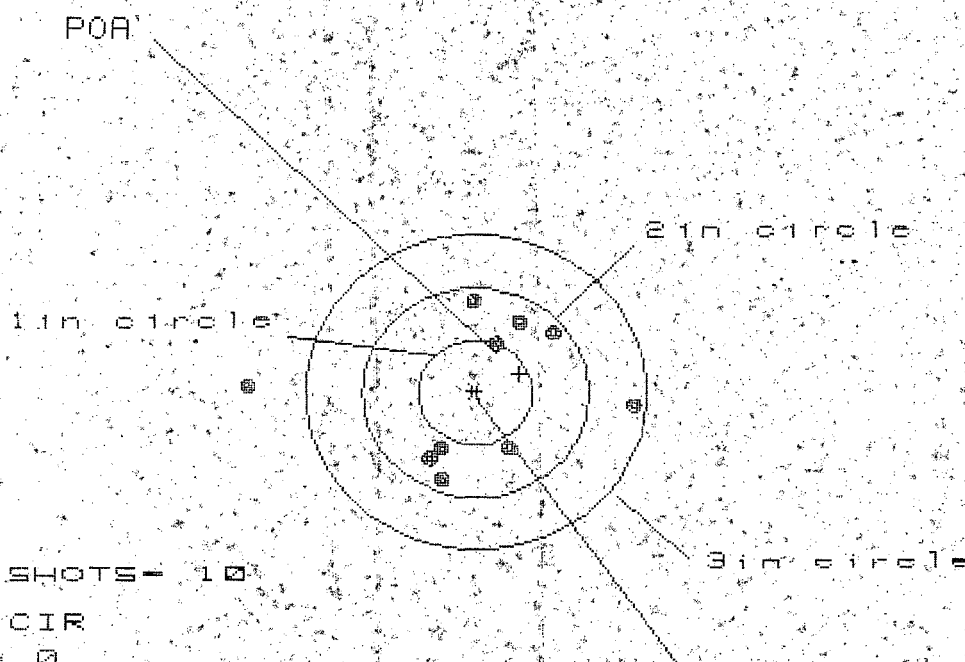
5
32
1+ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.304
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .4096
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .510086
THE AMR FOR THIS RIFLE IS: .9612

23 Jan 1989

FILE: PATTERNING/CENTERFIRE_PATT/C6225475

CENTERFIRE PATTERNS # 1



OF SHOTS - 10

IN CIR

1 in = 0

2 in = 8

3 in = 9

HS = 3.472

VS = 1.651

GS = 3.477

CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.434	1.208	.641
MINIMUM X	-2.038	-1.597	-.446
MAXIMUM Y	.825	.829	.810
MINIMUM Y	-.826	-.822	-.841
CENTROID X	-.389	-.163	-.314
CENTROID Y	-.173	-.177	-.158
POA TO CENTROID in.	.426	.240	.351
MIN RADIUS	.540	.516	.506
MEAN RADIUS	.940	.800	.736
MAX RADIUS	2.038	1.217	.912
HORIZONTAL SPREAD	3.472	1.805	1.087
VERTICAL SPREAD	1.651	1.651	1.651
EXTREME SPREAD	3.477	1.877	1.718
NUMBER IN ONE INCH CIRCLE	= 0		
NUMBER IN TWO INCH CIRCLE	= 8		
NUMBER IN THREE INCH CIRCLE	= 9		

23 Jan 1989

FILE: PATTERNING/CENTERFIRE_PATT/C6225475

CENTERFIRE PATTERNS # 2

POA

1 in circle

2 in circle

3 in circle

OF SHOTS - 10

IN CIR

1 in = 6

2 in = 8

3 in = 9

HS = 1.546

VS = 2.833

GS = 3.012

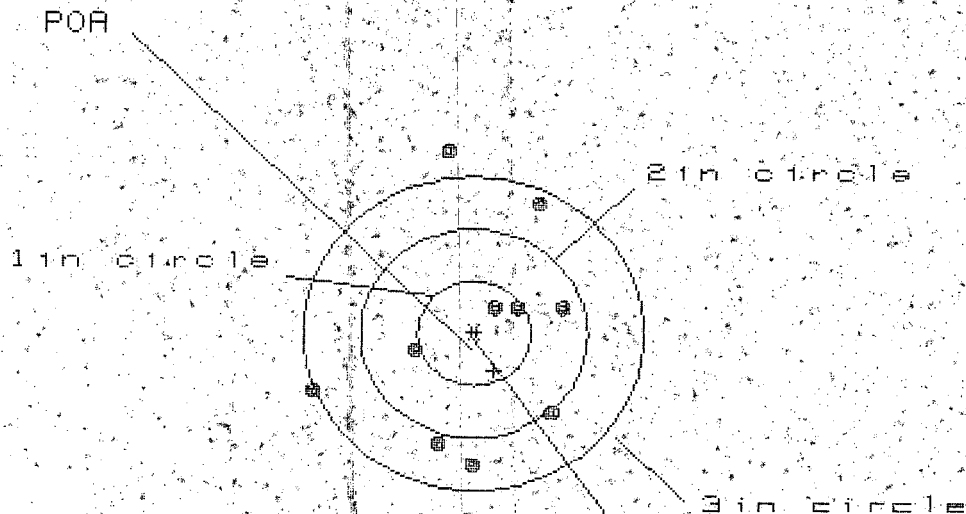
CENTROID #

PATTERN #	2	3	4
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.866	.904	.823
MINIMUM X	-.680	-.642	-.410
MAXIMUM Y	1.202	1.020	.324
MINIMUM Y	-1.631	-.320	-.192
CENTROID X	.116	.078	.159
CENTROID Y	.497	.679	.551
POA TO CENTROID in.	.511	.683	.574
MIN RADIUS	.068	.053	.045
MEAN RADIUS	.627	.504	.408
MAX RADIUS	1.667	1.206	.846
HORIZONTAL SPREAD	1.546	1.546	1.233
VERTICAL SPREAD	2.833	1.340	.516
EXTREME SPREAD	3.012	2.046	1.271
NUMBER IN ONE INCH CIRCLE	= 6		
NUMBER IN TWO INCH CIRCLE	= 8		
NUMBER IN THREE INCH CIRCLE	= 9		

23 Jan 1989

FILE: PATTERNING/CENTERFIRE_PATT/C6225475

CENTERFIRE PATTERNS # 3



OF SHOTS - 10

IN CIR

1 in = 2

2 in = 5

3 in = 8

HS = 2.166

VS = 2.931

GS = 2.935

PATTERN #	3	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.762	.742	.564
MINIMUM X	-1.404	-1.424	-1.764
MAXIMUM Y	1.726	1.468	1.419
MINIMUM Y	-1.205	-1.013	-1.062
CENTROID X	-.181	-.161	.017
CENTROID Y	.353	.161	.210
POA TO CENTROID in.	.396	.228	.210
MIN RADIUS	.302	.462	.384
MEAN RADIUS	1.013	.926	.831
MAX RADIUS	1.735	1.557	1.460
HORIZONTAL SPREAD	2.166	2.166	1.328
VERTICAL SPREAD	2.931	2.481	2.481
EXTREME SPREAD	2.935	2.688	2.542
NUMBER IN ONE INCH CIRCLE =	2	2	2
NUMBER IN TWO INCH CIRCLE =	5	5	5
NUMBER IN THREE INCH CIRCLE =	8	8	8

23 Jan 1989

FILE: /PATTERNING/CENTERFIRE_PATT/C6225475

CENTERFIRE PATTERNS

4

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS - 10

IN CIR

1 in 10

2 in 5

3 in 7

H0 = 2.591

VS = 3.218

GS = 3.463

PATTERN #

4

SHOTS (BEST OF)

10

9

8

MAXIMUM X

1.290

1.258

1.079

MINIMUM X

-1.401

-1.433

-1.163

MAXIMUM Y

2.000

1.848

.734

MINIMUM Y

-1.218

+.996

-1.110

CENTROID X

-.405

-.373

-.194

CENTROID Y

.146

-.106

.008

POA TO CENTROID in.

.422

.388

.194

MIN RADIUS

.655

.653

.451

MEAN RADIUS

1.195

1.101

.988

MAX RADIUS

2.021

1.697

1.354

HORIZONTAL SPREAD

2.691

2.691

2.242

VERTICAL SPREAD

3.218

1.844

1.844

EXTREME SPREAD

3.463

2.739

2.554

NUMBER IN ONE INCH CIRCLE =

0

NUMBER IN TWO INCH CIRCLE =

5

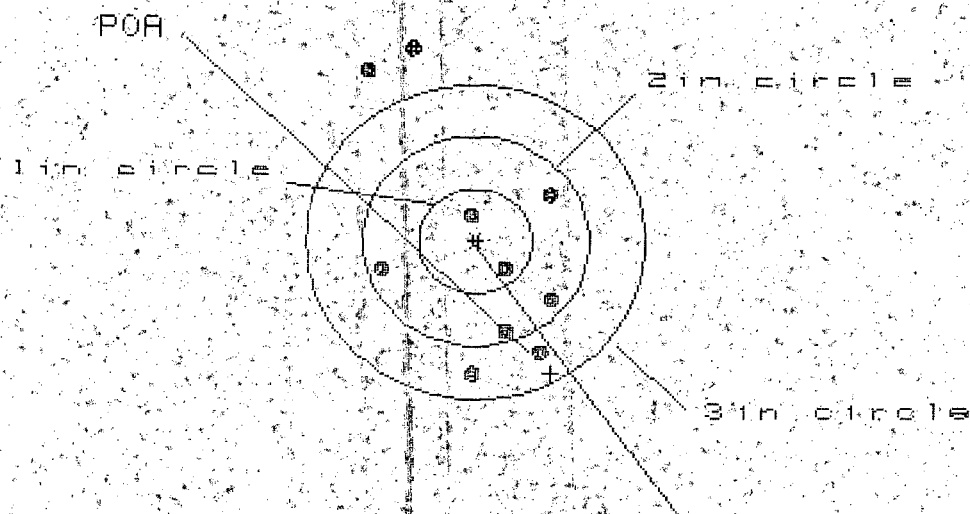
NUMBER IN THREE INCH CIRCLE =

7

23 Jan 1989

FILE: /PATTERNING/CENTERFIRE_PATT/C6225475

CENTERFIRE PATTERNS # 5



OF SHOTS - 10

IN CIR

1 in = 2

2 in = 6

3 in = 8

HS = 1.553

VS = 3.103

GS = 3.152

CENTROID *

PATTERN #

5

SHOTS (BEST OF)

10

9

8

MAXIMUM X

.647

.587

.466

MINIMUM X

-.906

-.966

-1.066

MAXIMUM Y

1.891

1.900

.871

MINIMUM Y

-1.212

-1.002

-.765

CENTROID X

-.661

-.601

-.480

CENTROID Y

1.255

1.045

.808

POA TO CENTROID in.

1.419

1.205

.939

MIN RADIUS

.210

.182

.155

MEAN RADIUS

1.031

.877

.663

MAX RADIUS

1.968

2.132

1.087

HORIZONTAL SPREAD

1.553

1.553

1.532

VERTICAL SPREAD

3.103

2.902

1.636

EXTREME SPREAD

3.152

3.099

1.758

NUMBER IN ONE INCH CIRCLE =

2

NUMBER IN TWO INCH CIRCLE =

6

NUMBER IN THREE INCH CIRCLE =

8

Remington®

MODEL 700™ H24

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

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

REMINGTON-UMC
REG. U.S. PAT. & T.M. OFF.

SERIAL NO.
C6225473

ORDER NO.
5716

0 47700 25716 7

5716 C6225473

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6225475

OP. #	OP. NAME	READINGS	DATE	INITIAL
575 & 580	Assemble Action and Stock		8/3/92	RW
600	Proof		8/3/92	RW
607	Check Headspace		8/3/92	RW
610	Dis-assemble Gun		8/3/92	RW
612	Magnaflux Barrel Action			
	Magnaflux Bolt			
615	Rollmark Caliber			
617	Drill and Tap Sight Holes			
618	Polish Barrel			
620	Apply Coatings (Barrel Action)			
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly			
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head			
	C) Inspect Ejector Hole for Chamfer			
	D) Oil Firing Pin Ass'y			
	E) Adjust Trigger Pull to Min Setting and Stake			

op. #	NAME BARBER M24 0152264	READINGS					DATE	INIT
625 cont.	F) Safety On Force							
	G) Safety Off Force							
	H) Trigger Pull Test & Retainability							
	I) Firing Pin Indent							
	J) Assemble Stock							
	K) Assemble Swivel Studs							
	L) Attach Front and Rear Sight Assemblies							
	M) Iron Sight Alignment							
	N) Detach Front & Rear Sights & place in numbered container							
	O) Attach Scope to Rifle							
	P) Detach & Attach Scope 20 Times							
640	Gallery Target & Test						8-11-92	DH
	A) Time						8-11-92	DH
	B) Malfunctions						8-11-92	DH
	C) Pierced Primers						8-11-92	DH
	D) Optical Clarity of Scope						8-11-92	DH
645	Inspect for Live Ammo						8-11-92	DH
655	Final Inspection							
	A) Headspace						8/11/92	aw
	B) Trigger Pull	2.18	2.27	2.07	2.21	2.22	8/11/92	aw
	C) Function						8/11/92	aw
660	Pack							

RECEIVING AND ESTIMATING REPORT

BARBER-M24 0152265

COMMENTS

ORDER
R 92-14799

INITIAL JJM	CUSTOMER ORDER NO.		M-24 SNIPER			
DATE RECEIVED 07/21/92	DATE OPENED 07/21/92	DATE CODE DI 9-88	SERIAL NUMBER C6225475	NEW SERIAL NUMBER	MODEL AND GRADE 700 7162	NATO
ACCESSORIES W/STUDS		SCOPE BASE		HARD CASE		

FROM:

D CO 782ND MAINTANCE BA
FORT BRAGG NC 28307

SHIP TO:

D CO 782ND MAINTANCE BA
FORT BRAGG NC
28307

CUST NO: 045582 CJO.DL

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						

PARTS	COMMENTS <i>Seare Spring missing in Fire Control</i>					
	REPAIRMAN	PROOF	CLEAN	TEST	TARGET	PATTERN
	GALLERY TESTER	DATE	DATE	DATE	DATE	DATE

OFFICE COPY

RD6925 REV. 1/92

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 0152265 52304

MAINTENANCE REQUEST						PAGE NO		NO OF PAGES		REQUIREMENTS CONTROL SYMBOL CSGLD - 1047(R1)	
For use of this form, see DA PAM 738-750; the proponent agency is DCSLOG											
SECTION I - EQUIPMENT DATA											
CONTROL NUMBER		WORK ORDER NO.			WESDC		ORG. PD		PD AUTHENTICATION		
☐ Work Request ☐ MWO ☒ Warranty Claim		1A. ORGANIZATION <i>DCo 782d M + Bn</i>			B. LOCATION <i>FE Bragg NC 28307-5100</i>			C. UNIT IDENT CODE <i>WABY DO</i>			
2. SERIAL NO. <i>C60225475</i>		3. NOUN NOMENCLATURE <i>Sniper Rifle 7.62mm</i>			4. LINE NO. <i>11</i>		5. MODEL <i>M24</i>		6. NATIONAL STOCK NUMBER <i>1005-01-240-2136</i>		
7A. MAINTENANCE ACTIVITY <i>Remington Arms</i>		B. LEVEL <i>D</i>	8. UTILIZATION CODE	9A. MCSR ITEM	9B. ERC	9C. PACING ITEM	10. HOURS	11. MILES	12. ROUNDS	13. STARTS	
14. FAILURE DETECTED DURING (Select one - use ☒ or X)						15. FIRST INDICATION OF TROUBLE (Select one - use ☒ or X)					
☐ A Sch. Main.		☐ C Test		☐ E Storage		☐ G Flight		☐ 058 Inoperative		☐ 258 Overheating	
☐ B Handling		☐ D Normal Op		☐ F Inspection		☐ H Other		☐ 008 Noisy		☐ 387 Low Performance	
☐ 790 Out of Adjustment		☐ Other									
16A. DESCRIBE DEFICIENCIES OR SYMPTOMS ON THE BASIS OF COMPLETE CHECKOUT AND DIAGNOSTIC PROCEDURE IN EQUIPMENT TM (Do not prescribe repairs). <i>Worn Chamber</i>											
B. REMARKS											
SECTION II - WORK ACCOMPLISHED											
17A. REPAIR ORGANIZATION/ACTIVITY				C. UNIT IDENT. CODE		18. TYPE ORGANIZATION/ACTIVITY ACCOMPLISHING WORK (Select one - use ☒ or X)			19. AMS ACCT. CODE		
B. LOCATION						☐ 1 TOE ☐ 2 TD ☐ 3 Contractor					
20A. ACT. CODE	B. FAILURE CODE	C. COMPONENT/PART NOUN, SVC, OR MWO NO.			D. MANHOURS (Hrs. & tenths)	E. NATIONAL STOCK NUMBER		F. PART SOURCE CODE	G. QTY.	H. PARTS COST	
		(1) CB CODE	(2) REF DESIGN.	(3) MFR. CODE							
					.					\$	
					.					\$	
					.					\$	
					.					\$	
					.					\$	
					.					\$	
					.					\$	
					.					\$	
					.					\$	
					.					\$	
					.					\$	
					I. TOTAL MANHOURS		J. TOTAL MANHOURS COST \$		K. TOTAL PARTS COST \$		
21. DELAY (Select One)					☐ 1 Parts	☐ 2 Manpower	☐ 3 Facilities	☐ 4 Funds	☐ 5 Tools	22. Data Transcribed	
23. SUBMITTED BY <i>[Signature]</i>		24. RECEIVED BY		25. WORK STARTED BY		26. INSPECTED BY		27. ACCEPTED BY		28. DISPOSITION (Select One)	
JULIAN DATE <i>2192</i>		JULIAN DATE		JULIAN DATE		JULIAN DATE		JULIAN DATE		☐ A To User ☐ D Evacuated ☐ B To Stock ☐ E Cannibalization ☐ C Salvaged	

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225475
11 Aug 1992

CENTROIDAL DISTANCES

0 TO	1	.386804
1 TO	2	.453035
1 TO	3	.238288
1 TO	4	.673131
1 TO	5	.239401

slg (---)POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .2596
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0984
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .277623
THE PMR FOR THIS RIFLE IS: 1.11

11 Aug 1992

FILE: PATTERNING/CENTERFIRE_PATT/C6225475

CENTERFIRE PATTERNS # 1

POB

1.0 circle

2.0 circle

3.0 circle

CENTROID *

+ OF SHOTS - 10

9 IN CH

8 IN CH

7 IN CH

6 IN CH

5 IN CH 3.606

4 IN CH 3.549

3 IN CH 3.455

PATTERN #

10

SHOTS BEST OF

10

9

8

MINIMUM

1.727

1.197

1.062

MINIMUM

-1.279

-1.081

-.967

MAXIMUM

1.315

1.370

1.240

MINIMUM

-1.204

-1.179

-1.389

CENTROID X

.296

.098

.233

CENTROID Y

.219

.194

.324

POB TO CENTROID IN.

.387

.217

.399

1.0 RADIUS

.152

.202

.230

2.0 RADIUS

1.035

.954

.871

3.0 RADIUS

1.854

1.501

1.333

HORIZONTAL SPREAD

3.066

2.278

2.029

VERTICAL SPREAD

2.549

2.549

2.549

EXTREME SPREAD

3.455

2.762

2.562

NUMBER IN ONE INCH CIRCLE =

3

NUMBER IN TWO INCH CIRCLE =

3

NUMBER IN THREE INCH CIRCLE =

8

11 Aug 1992

FILE: \PATTERNING\CENTERFIRE_PATT\08225475

CENTERFIRE PATTERNS # 2

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS - 10

IN CIR

1 in = 0

2 in = 3

3 in = 6

1st 2.555

2nd 2.908

3rd 3.315

PATTERN #

024

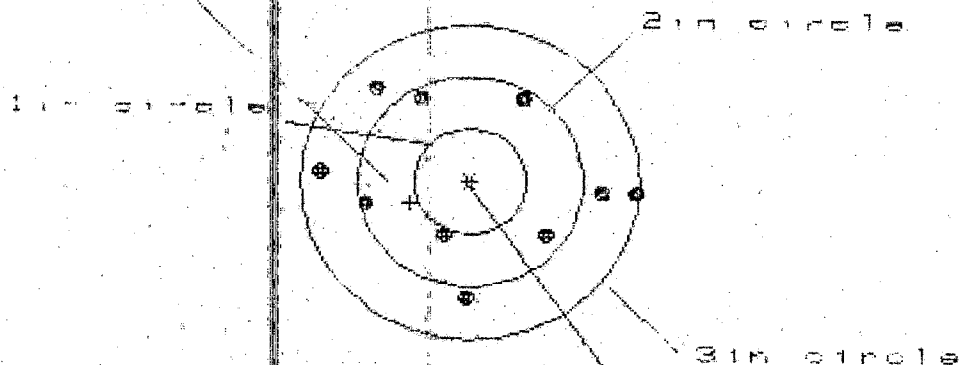
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.080	1.197	1.014
MINIMUM X	-1.586	-1.469	-1.175
MAXIMUM Y	1.590	1.446	1.426
MINIMUM Y	-1.488	-1.241	-1.261
CENTROID X	.667	.550	.733
CENTROID Y	-.011	-.178	-.158
POA TO CENTROID in.	.667	.578	.750
MIN RADIUS	.552	.415	.528
MEAN RADIUS	1.196	1.094	1.056
MAX RADIUS	1.837	1.565	1.485
HORIZONTAL SPREAD	2.666	2.666	2.189
VERTICAL SPREAD	2.908	2.687	2.687
EXTREME SPREAD	3.315	2.872	2.872
NUMBER IN ONE INCH CIRCLE =		0	
NUMBER IN TWO INCH CIRCLE =		3	
NUMBER IN THREE INCH CIRCLE =		6	

1. Aug 1982

FILE: PATTERNING/CENTERFIRE_PATT/C8225475

CENTERFIRE PATTERNS # 3

FOR



OF SHOTS - 10

IN CIR

1 in = 5

2 in = 5

3 in = 10

HORIZ = 2.732

VERT = 2.077

EXTRE = 2.734

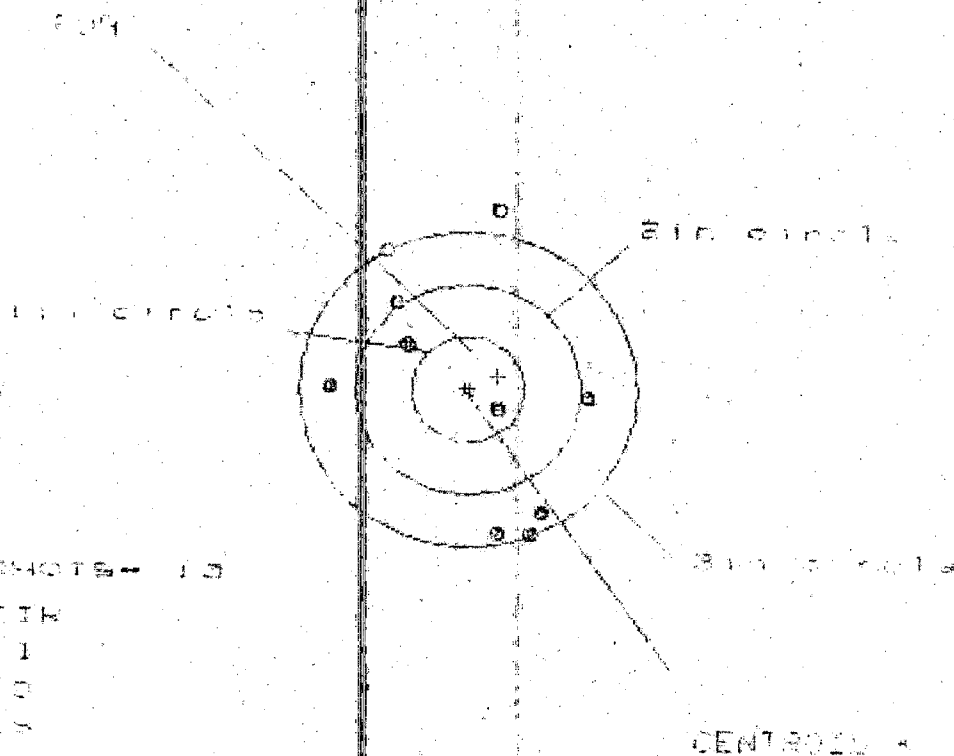
CENTROID *

PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.441	1.373	1.232
MINIMUM X	-1.291	-1.131	-.941
MAXIMUM Y	.927	.921	.936
MINIMUM Y	-1.150	-1.156	-1.151
CENTROID X	.530	.370	.512
CENTROID Y	.204	.210	.205
POA TO CENTROID in.	.558	.426	.351
1 in RADIUS	.572	.527	.564
MEAN RADIUS	1.054	.996	.975
MA. RADIUS	1.442	1.377	1.236
HORIZONTAL SPREAD	2.732	2.504	2.172
VERTICAL SPREAD	2.077	2.077	2.077
EXTREME SPREAD	2.734	2.509	2.271
NUMBER IN ONE INCH CIRCLE	= 5	= 5	= 5
NUMBER IN TWO INCH CIRCLE	= 10	= 10	= 10
NUMBER IN THREE INCH CIRCLE	= 10	= 10	= 10

11 Aug 1992

FILE: PATTERNING/CENTERFIRE_PATT/06223475

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

100 = 1

200 = 2

300 = 3

100 = 2.283

200 = 2.136

300 = 2.152

CENTROID *

GOTEN # :

741

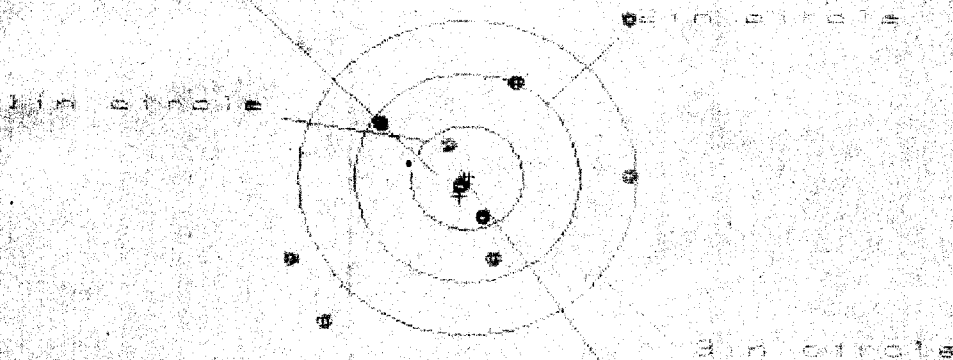
FACTS base OF :	10	9	8
MAXIMUM X :	1.033	1.062	1.143
MINIMUM X :	-1.253	-1.221	-1.140
IF MINIMUM Y :	1.742	1.505	1.455
MINIMUM Y :	-1.345	-1.201	-1.337
CENTROID X :	-1.263	-1.295	-1.376
CENTROID Y :	-1.186	-1.319	-1.169
FOR TO CENTROID IN :	.291	.435	.412
MIN RADIUS :	.335	.290	.430
MAX RADIUS :	1.179	1.102	1.060
HORIZONTAL SPREAD :	1.766	1.658	1.498
VERTICAL SPREAD :	2.283	2.283	2.283
SPREAD SPREAD :	3.136	2.706	2.682
SPREAD SPREAD :	3.152	3.019	2.851
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		3	
NUMBER IN THREE INCH CIRCLE =		8	

11 Aug 1992

FILE: PATTERNING/CENTERFIRE_PATT/06225475

CENTERFIRE PATTERNS # 5

POA



OF SHOTS = 10

IN CIR

1 in = 3

2 in = 5

3 in = 7

HS = 2.088

VS = 2.993

GS = 3.969

CENTROID #

PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.481	1.573	1.341
MINIMUM X	-1.605	-1.441	-1.573
MAXIMUM Y	1.513	1.131	.979
MINIMUM Y	-1.385	-1.216	-1.792
CENTROID X	.068	.096	.036
CENTROID Y	.176	.007	.159
POA TO CENTROID in.	.188	.097	.163
MIN RADIUS	.093	.154	.069
MEAN RADIUS	1.085	.974	.858
MAX RADIUS	2.121	1.613	1.761
HORIZONTAL SPREAD	3.086	3.014	3.014
VERTICAL SPREAD	2.993	2.347	1.771
EXTREME SPREAD	3.969	3.132	3.132
NUMBER IN ONE INCH CIRCLE =	3	3	3
NUMBER IN TWO INCH CIRCLE =	5	5	5
NUMBER IN THREE INCH CIRCLE =	7	7	7

RECEIVING AND ESTIMATING REPORT

COMMENTS

ORDER

R 94-02455

INITIAL	CUSTOMER ORDER NO.	M24 W/ULTRA 10X-M3A SCOPE/ATTN: FRED MARTIN			
FPS					
DATE RECEIVED	DATE OPENED	DATE CODE	SERIAL NUMBER	NEW SERIAL NUMBER	MODEL AND GRADE
01/18/94	01/19/94	0M 7-92	C6225475		700 7.62 NATO
ACCESSORIES	W/STUDS SCOPE MNTS SCOPE BASE				

FROM:

DEPT OF THE ARMY
ARMS ROOM
HHC 3/504TH P.I.R.
FORT BRAGG

NC 28307

SHIP TO:

DEPT OF THE ARMY
ARMS ROOM
HHC 3/504TH P.I.R.
FORT BRAGG

NC

28307

CUST NO: 090958 C.E.D L

ACCOUNT NUMBER	ACCOUNT NUMBER N/C	WRITE ☐	PROM. DATE	ESTIMATED	VIA
					R760136643

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

Bolt Stop Doesn't Work
New Barrel

PARTS

COMMENTS

Barrel Assy - 76002

Re zinc - Scope Base, Scope Rings
Swivel Studs
Re powder Chest, Floor plate,
latch, Trigger Guard, Front &
Rear Sight Bases.

W 35 H 094030 H 227

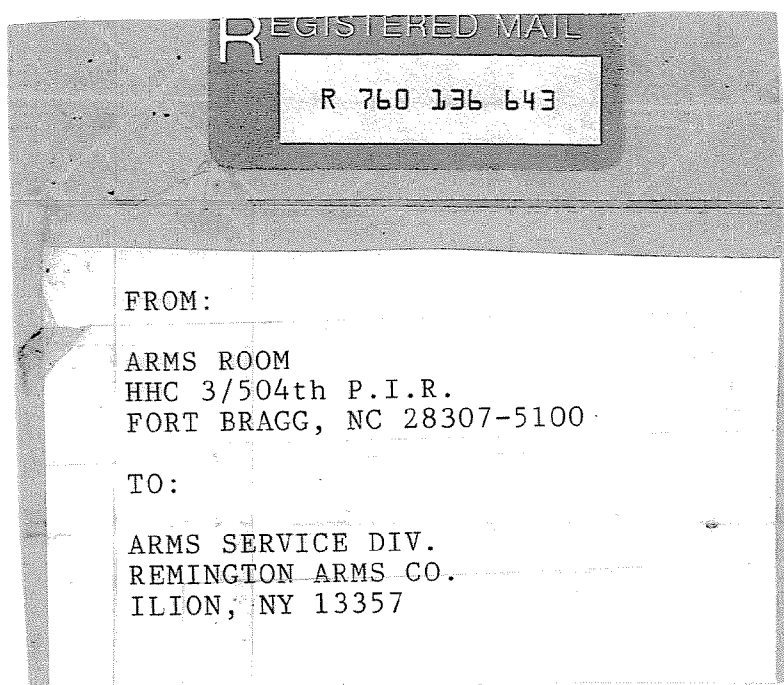
REPAIRMAN	PROOF	CLEAN	TEST	TARGET	PATTERN
RW	✓	✓	✓	✓	
GALLERY TESTER	DATE	DATE	DATE	DATE	DATE
RW	1/19/94	2/2/94	2/2/94	2/2/94	

OFFICE COPY

RD5925 REV. 1/92

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 0152275 52314



1

GUN SERIAL #

C6225475

OP. #	OP. NAME	READINGS	DATE	INITIAL
575 & 580	Assemble Action and Stock		1/19/94	RW
600	Proof		1/19/94	RW
607	Check Headspace		1/19/94	RW
610	Dis-assemble Gun		1/19/94	RW
612	Magnaflux Barrel Action			
	Magnaflux Bolt			
615	Rollmark Caliber			
617	Drill and Tap Sight Holes			
618	Polish Barrel			
620	Apply Coatings (Barrel Action)			
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		2/2/94	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		2/2/94	RW
	C) Inspect Ejector Hole for Chamfer		2/2/94	RW
	D) Oil Firing Pin Ass'y		2/2/94	RW
	E) Adjust Trigger Pull to Min Setting and Stake		2/2/94	RW

op. #	OP. NAME	READINGS					DATE	INIT
635 Cont.	F) Safety On Force							
	G) Safety Off Force							
	H) Trigger Pull Test & Retainability							
	I) Firing Pin Indent							
	J) Assemble Stock							
	K) Assemble Swivel Studs							
	L) Attach Front and Rear Sight Assemblies							
	M) Iron Sight Alignment							
	N) Detach Front & Rear Sights & place in numbered container							
	O) Attach Scope to Rifle							
	P) Detach & Attach Scope 20 Times							
640	Gallery Target & Test						2/7/94	RW
	A) Time							
	B) Malfunctions							
	C) Pierced Primers							
	D) Optical Clarity of Scope							
645	Inspect for Live Ammo						2/7/94	RW
655	Final Inspection						2/8/94	RW
	A) Headspace						2/8/94	RW
	B) Trigger Pull	1.24	1.22	1.28	1.32	1.24	2/8/94	RW
	C) Function						2/8/94	RW
660	Pack							

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225475
24 Feb 1994

CENTROIDAL DISTANCES

Ø TO	1	.395032
1 TO	2	.572496
1 TO	3	.218506
1 TO	4	.892121
1 TO	5	.312835

2⁴
3¹ ←---POA

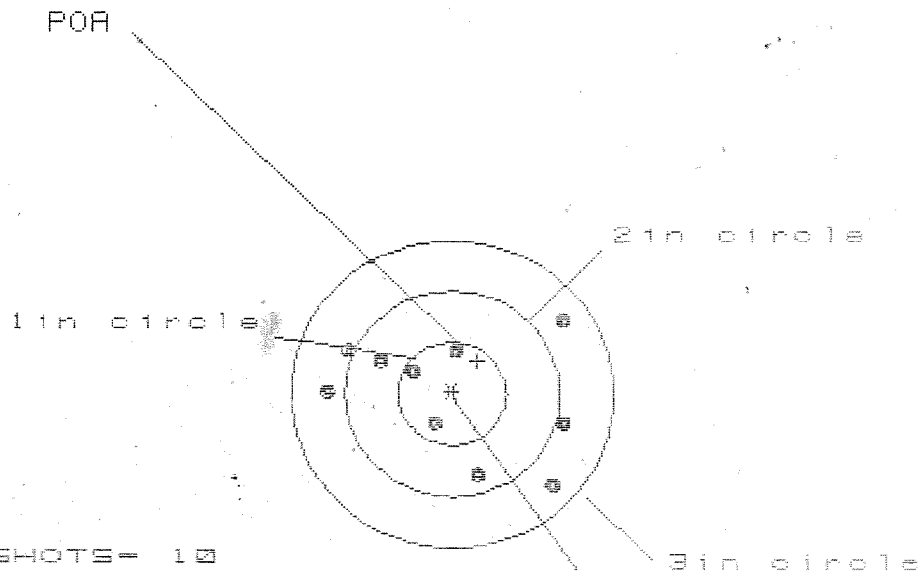
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.292
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.113
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: 1303798

THE AMR FOR THIS RIFLE IS: .8896

24 Feb 1994

FILE:/PATTERNING/CENTERFIRE_PATT/08225475

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1in = 3

2in = 5

3in = 10

HS= 2.207

VS= 1.521

GS= 2.295

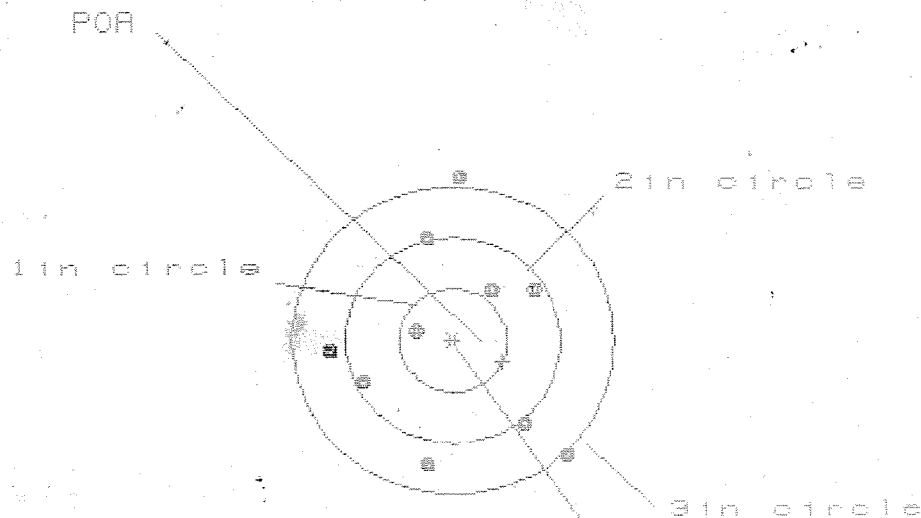
CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.067	1.185	1.318
MINIMUM X	-1.140	-1.022	-0.889
MAXIMUM Y	.685	.522	.427
MINIMUM Y	-.836	-.760	-.756
CENTROID X	-.233	-.351	-.484
CENTROID Y	-.319	-.395	-.300
POA TO CENTROID in.	.395	.529	.569
MIN RADIUS	.307	.200	.225
MEAN RADIUS	.858	.792	.698
MAX RADIUS	1.264	1.304	1.345
HORIZONTAL SPREAD	2.207	2.207	2.207
VERTICAL SPREAD	1.521	1.282	1.183
EXTREME SPREAD	2.295	2.295	2.227
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	10		

24 Feb 1994

FILE:/PATTERNING/CENTERFIRE_PATT/06225475

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in - 1

2in - 5

3in - 8

HS= 2.163

VS= 2.760

GS= 2.829

CENTROID *

PATTERN #

2

SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.060	1.071	.868
MINIMUM X	-1.103	-1.092	-.959
MAXIMUM Y	1.577	1.123	1.009
MINIMUM Y	-1.183	-1.008	-1.122
CENTROID X	-.459	-.470	-.604
CENTROID Y	.207	.032	.146
POA TO CENTROID in.	.503	.471	.621
MIN RADIUS	.386	.458	.283
MEAN RADIUS	1.022	.962	.876
MAX RADIUS	1.580	1.404	1.130
HORIZONTAL SPREAD	2.163	2.163	1.826
VERTICAL SPREAD	2.760	2.131	2.131
EXTREME SPREAD	2.829	2.410	2.131
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		8	

24 Feb 1994

FILE:/PATTERNING/CENTERFIRE_PATT/06225475

CENTERFIRE PATTERNS # 3

POA

1in circle

2in circle

3in circle

CENTROID #

OF SHOTS= 10

IN CIR

1in = 3

2in = 8

3in = 10

HS= 1.864

VS= 2.018

GS= 2.271

PATTERN #	3	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.958	.857	.862
MINIMUM X	-.906	-.867	-.862
MAXIMUM Y	1.103	1.002	.689
MINIMUM Y	-.915	-.561	-.436
CENTROID X	-.389	-.288	-.293
CENTROID Y	-.472	-.371	-.496
POA TO CENTROID in.	.612	.470	.576
MIN RADIUS	.122	.263	.179
MEAN RADIUS	.751	.700	.640
MAX RADIUS	1.287	1.003	.903
HORIZONTAL SPREAD	1.864	1.724	1.724
VERTICAL SPREAD	2.018	1.563	1.125
EXTREME SPREAD	2.271	1.787	1.787
NUMBER IN ONE INCH CIRCLE	= 3		
NUMBER IN TWO INCH CIRCLE	= 8		
NUMBER IN THREE INCH CIRCLE	= 10		

24 Feb 1994

FILE:/PATTERNING/CENTERFIRE_PATT/C6225475

CENTERFIRE PATTERNS

4

POA

1in circle

2in circle

3in circle

OF SHOTS - 10

IN CIR

1in = 4

2in = 7

3in = 10

HS= 1.356

VS= 2.422

GS= 2.522

CENTROID #

PATTERN #

4

SHOTS (BEST OF)

10

9

8

MAXIMUM X

.768

.740

.792

MINIMUM X

-.588

-.616

-.564

MAXIMUM Y

1.283

.968

.835

MINIMUM Y

-1.139

-.997

-1.000

CENTROID X

.189

.217

.165

CENTROID Y

.467

.325

.449

POA TO CENTROID in.

.504

.391

.479

MIN RADIUS

.294

.318

.323

MEAN RADIUS

.772

.705

.652

MAX RADIUS

1.308

1.120

1.148

HORIZONTAL SPREAD

1.356

1.356

1.356

VERTICAL SPREAD

2.422

1.957

1.835

EXTREME SPREAD

2.522

2.195

1.835

NUMBER IN ONE INCH CIRCLE =

4

NUMBER IN TWO INCH CIRCLE =

7

NUMBER IN THREE INCH CIRCLE =

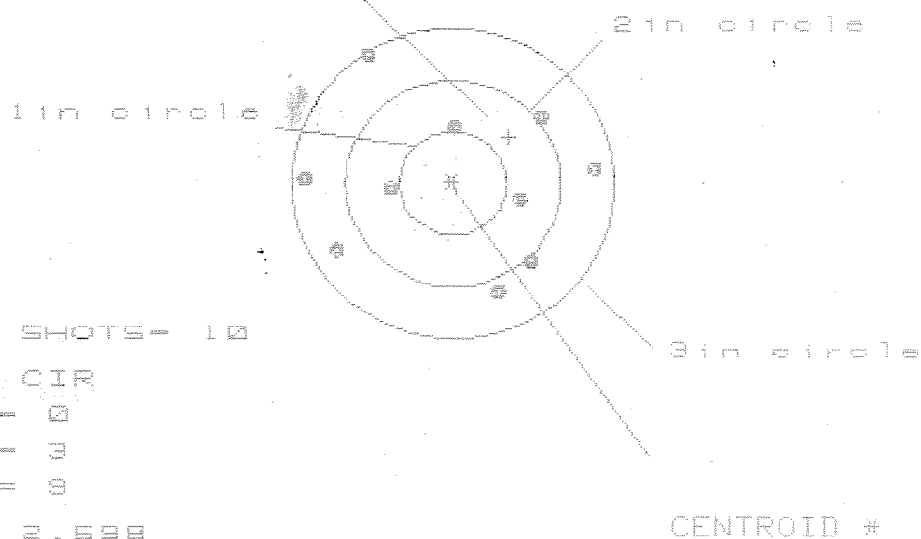
10

24 Feb 1934

FILE:/PATTERNING/CENTERFIRE PATT/C8225475

CENTERFIRE PATTERNS # 5

FOR



OF SHOTS= 10

IN CIR

1in = 0

2in = 3

3in = 9

HS= 2.598

VS= 2.316

GS= 2.700

PATTERN #

5

SHOTS (BEST OF)

10

9

8

MAXIMUM X

1.321

1.232

1.048

MINIMUM X

-1.377

-1.466

-1.366

MAXIMUM Y

1.272

.765

.784

MINIMUM Y

-1.044

-.902

-.882

CENTROID X

-.518

-.430

-.246

CENTROID Y

-.448

-.590

-.610

FOR TO CENTROID in.

.685

.730

.657

MIN RADIUS

.587

.507

.323

MEAN RADIUS

1.045

.981

.888

MAX RADIUS

1.503

1.475

1.440

HORIZONTAL SPREAD

2.698

2.698

2.414

VERTICAL SPREAD

2.316

1.667

1.667

EXTREME SPREAD

2.700

2.700

2.523

NUMBER IN ONE INCH CIRCLE =

0

NUMBER IN TWO INCH CIRCLE =

3

NUMBER IN THREE INCH CIRCLE =

9

R ORDER
99-02042

INITIAL SUS	CUSTOMER ORDER NO.
----------------	--------------------

DATE RECEIVED	DATE OPENED	DATE CODE	SERIAL NUMBER	NEW SERIAL NUMBER	MODEL AND GRADE
01/12/99	01/21/99		C6225475		700 7.62 NATO

ACCESSORIES

FROM:

SHIP TO:

COMMANDER
HHC 3/504TH FIR - BLDG C-4125
FT BRAGG NC 28307

COMMANDER
HHC 3/504TH PIR - BLDG C-4125
FT BRAGG NC
28307

CUST NO:188511 C.D.DL

ACCOUNT NUMBER

ACCOUNT NUMBER N/C

WRITE

PROM. DATE

ESTIMATED

YIA

UP 3

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

PARTS	COMMENTS
-------	----------

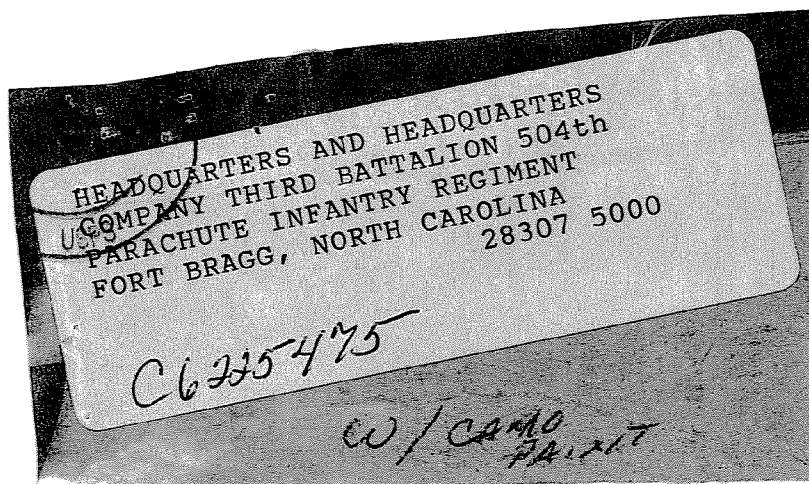
REPAIRMAN <i>RW</i>	PROOF <i>✓</i>	CLEAN <i>✓</i>	TEST <i>✓</i>	TARGET <i>✓</i>	PATTERN
GALLERY TESTER <i>RW</i>	DATE	DATE	DATE <i>3/11/99</i>	DATE <i>3/11/99</i>	DATE

OFFICE COPY

BD6925 REV 7/97

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 M2400152326



7 Jan 99

The Round count for this Rifle
was not accurate Before the month of
July, but there is a estimated guess
around 4000 Rounds fired through this
Barrel before 17 July 98
Thank You

WEAPON RECORD DATA

For use of this form, see DA PAMs 738-750 and 738-751; the proponent agency is DSCLOG

REQUIREMENT CONTROL SYMBOL
CSGLD-1051

1. TUBE SERIAL NO. <i>06225475</i>	2. CANNON TYPE, MODEL OR SERIES <i>M24</i>	3. ORGANIZATION (UIC) <i>HHC 3/504 PIR</i> <i>FT. BRAGG, N.C. 28307</i>	4. SPECIAL LIFE DATA
5. END ITEM IDENTIFICATION		6. RDS/EFC COMPUTATION	
7. CANNON SERIAL NO.	8. RETUBINGS	9. REBUSHINGS	

10. Date <i>a</i>	Projectile Type <i>b</i>	Zone or Charge <i>c</i>	Rounds Fired <i>d</i>	EFC RDS Fired <i>e</i>	Cumulative RDS Fired <i>f</i>	Cumulative EFC RDS <i>g</i>			Remaining Life (EFC RDS) <i>h</i>	Remarks: Recoil Exercise (RE), Gage or Velocity Reading, Safety Inspection (SI) <i>i</i>	Signature <i>j</i>
(Previous DA Form 2408-4 final entries)											
17 July 98	M118		60							Estimated guess on Round Count Before July is 4000 So a total of <u>5,240</u> Rounds through this Barrel	
18 July 98	M118		80								
19 July 98	M118		60								
20 July 98	M118		60		360						
21 July 98	M118		100								
22 July 98	M118		1								
15 Sept 98	M118		500		860						
2 Oct 98	M118		120		980						
6 Oct 98	M118		160		1140						
9 Oct 98	M118		120		1240						

CONTINUE ON REVERSE

DA FORM 1 JAN 79 2408-4

EDITION OF 1 DEC 77 WILL BE USED

10. Date <i>a</i>	Projectile Type <i>b</i>	Zone or Charge <i>c</i>	Rounds Fired <i>d</i>	EFC RDS Fired <i>e</i>	Cumulative RDS Fired <i>f</i>	Cumulative EFC RDS <i>g</i>		Remaining Life (EFC RDS) <i>h</i>	Remarks: Recoil Exercise (RE), Gage or Velocity Read- ing, Safety Inspection (SI) <i>i</i>	Signature <i>j</i>

NOTE: START A NEW FORM BEFORE MAILING THIS ONE

MAINTENANCE REQUEST For use of this form, see DA PAM 738-750 and 738-751; the proponent agency is DCSLOG				PAGE NO 1	NO OF PAGES 1	REQUIREMENT CONTROL SYMBOL CSGLD-1047(R1)
SECTION I - CUSTOMER DATA				SECTION II - MAINTENANCE ACTIVITY DATA		
1a. UIC CUSTOMER WHPXTO	1b. CUSTOMER UNIT NAME HHC 3/504th PIR	1c. PHONE NO 432-8229	3a. WORK ORDER NUMBER (WON)		3b. SHOP	3c. PHONE NO
2a. SAMS-2 UIC/SAMS-I/TDA	2b. UTILIZATION CODE	2c. MCSR	4a. UIC SUPPORT UNIT		4b. SUPPORT UNIT NAME	
SECTION III - EQUIPMENT DATA						
5. TYPE MNT REQ CODE	6. ID	7. NSN 1005-01-204-2136	15a. FAILURE DETECTED DURING/WHEN DISCOVERED CODE (Enter code) See DA Pamphlets 738-750 and 738-751			
8. MODEL M24	9. NOUN RIFLE, 7.62mm SNIPER		15b. FIRST INDICATION OF TROUBLE/HOW RECOGNIZED CODE (Enter Code) See DA Pamphlets 738-750 and 738-751		16. MILES/KILOMETERS/HOURS/ROUNDS M K H R	
10a. ORG WON/DOC NO	10b. EIC		17. PROJECT CODE (if assigned)		18. ACCOUNT PROCESSING CODE	19. IN WARRANTY? (enter Y or N)
11. SERIAL NUMBER C6223475	12. QTY 0001	13. PD	21. REIMBURSABLE CUSTOMER (if intransit customer enter Y or N)		20. ADMIN NO	
14. MALFUNCTION DESCRIPTION (for DSU, GSU/AVIM, DEPOT use)			22. LEVEL OF WORK		23. SIGNATURE	
24. DESCRIBE DEFICIENCIES OR SYMPTOMS ON THE BASIS OF COMPLETE CHECKOUT AND DIAGNOSTIC PROCEDURES IN EQUIPMENT TM (Do not prescribe repairs)						
Request a complete technical inspection be done on this weapon. Services should be done after						
25. REMARKS every 1,000 rounds fired and none have been done after approximately 6,000 rounds fired.						
POC for this request is SSG Penhollow or SSG Combs at DSN 239-8229. or commercial 1-910-432-8229						
PREPARATION INSTRUCTIONS FOR THIS PAGE						
SECTION I Block 1a. Enter UIC of submitting organization. Block 1b. Enter name of submitting organization. Block 1c. Enter number to be called when maint. is completed. Block 2a. Enter UIC of supporting SAMS-2/SAMS-I/TDA if work is requested while intransit and away from your support maintenance unit. Block 2b. Enter utilization code. See DA Pamphlets 738-750 and 738-751. Block 2c. Enter "Y" if reportable under AR 700-138. If not, leave blank.			SECTION III (Cont'd) Block 12. Enter the quantity of items being submitted. Block 13. Enter the maintenance priority designator determined from DA PAM 710-2-1. Block 14. For DSU, GSU/AVIM, DEPOT use. Block 15a. Enter the code that most accurately describes when the fault or deficiency was detected. See DA Pamphlets 738-750 and 738-751. Block 15b. Select one. Enter the code. See DA Pamphlets 738-750 and 738-751. Block 16. Enter the accumulated usage data in blocks, when equipment is subject to usage reporting. Block 17. Enter the project code if one has been assigned. If not, leave blank. Block 18. See DA Pamphlets 738-750 and 738-751. Block 19. Enter "Y" or "N" to indicate whether equipment is still under manufacturer's warranty. Block 20. Enter the admin number assigned for property control purposes for the equipment being submitted. Block 21. For DSU/GSU/AVIM/Depot use. Block 22. Enter level of work performed "O" for UNIT LEVEL/AVUM, "F" for DSU/AVIM, "H" for GSU, "D" for DEPOT, "K" for contractor or "L" for Spc Rpr Act. Block 23. Enter the signature of the CO or the CO's designated representative when the priority designator is 01-10. For priority designators 11-15, leave blank. Block 24. Enter a brief description of the deficiencies or symptoms that you feel require attention at this level of maint. Block 25. Self-explanatory.			
SECTION II Leave blank. To be completed by the support maintenance DSU/GSU/AVIM/DEPOT.						
SECTION III Block 5. Enter the Type Maintenance Request Code. See DA Pamphlets 738-750 and 738-751. Block 6. Enter ID associated with block 7. See DA Pamphlets 738-750 and 738-751. Block 7. Enter the NSN or stock number of the item being submitted. Block 8. Enter model of item being submitted. Block 9. Enter noun/nomenclature of item being submitted. Block 10a. Enter Work Order Number (WON)/DOC NO assigned when item is submitted. Otherwise, leave blank. Block 10b. Enter End Item Code. See AMDF. Block 11. Enter serial number of item being submitted.						
34a. SUBMITTED BY Scott C. Bellon	35a. ACCEPTED BY	35c. DATE	Block 34a. Enter first initial and last name of submitter. Block 34b. Enter ordinal date submitted (YYDDD). Block 35a. Enter first initial and last name of person accepting maint. request. Block 35b. Enter the initial status. See DA Pamphlets 738-750 and 738-751. Block 35c. Enter ordinal date accepted (YYDDD). Block 35d. Enter military time.			
34b. DATE	35b. STATUS	35d. TIME				

DA FORM 2407, JUL 94

PREVIOUS EDITIONS OF DA FORM 2407 AND DA FORM 5504 ARE OBSOLETE

RECEIPT COPY 1

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24																			
DI	OD	CE	N	T	RI	FROM	M	S	UI	NS	IS	T	QUANTITY	SUPPLE-	MENTARY	ADDRESS	S	F	DIS-	TRI-	BU-	TION	PRO-	JECT	P	R	RDD	EEA	QLT	D	E	A	D	V	RI	OC	M	/	OG	P	NT	D
00001 W36QZ9													1. TOTAL PRICE											2. SHIP FROM HHC 3/504 Ft. Bragg DSN:239-2197			3. SHIP TO															
W36QZ9 8352-4000													UNIT PRICE											DOLLARS			CTS			4. MARK FOR WHPXTO												
R95387 1005-01-240-2136													5. DOC DATE											6. NMFC			7. FRT RATE			8. TYPE CARGO			9. PS									
00001 EA C/C F SERIAL # C6225475													10. QTY. REC'D											11. UP			12. UNIT WEIGHT			13. UNIT CUBE			14. UFC			15. SL						
REQUEST TO HAVE ITEM REPAIRED AND RETURNED AOE DOC # FOR RETURN OF EQUIPMENT IS W36QZ9													16. FREIGHT CLASSIFICATION NOMENCLATURE											17. ITEM NOMENCLATURE RIFLE 7.62mm SNIPER M24																		
													18. TY CONT											19. NO CONT			20. TOTAL WEIGHT			21. TOTAL CUBE												
													22. RECEIVED BY 82nd PBO Team # 1 Approved Int. 0001											23. DATE RECEIVED																		

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24																			
DI	OD	CE	N	T	RI	FROM	M	S	UI	NS	IS	T	QUANTITY	SUPPLE-	MENTARY	ADDRESS	S	F	DIS-	TRI-	BU-	TION	PRO-	JECT	P	R	RDD	EEA	QLT	D	E	A	D	V	RI	OC	M	/	OG	P	NT	D
00001 W36QZ9													1. TOTAL PRICE											2. SHIP FROM HHC 3/504 Ft. Bragg DSN:239-2197			3. SHIP TO															
W36QZ9 8352-4001													UNIT PRICE											DOLLARS			CTS			4. MARK FOR WHPXTO												
R95387 1005-01-240-2136													5. DOC DATE											6. NMFC			7. FRT RATE			8. TYPE CARGO			9. PS									
00001EA C/C F SERIAL # C6225475													10. QTY. REC'D											11. UP			12. UNIT WEIGHT			13. UNIT CUBE			14. UFC			15. SL						
REQUEST TO HAVE ITEM REPAIRED AND RETURNED ADE DOC # FOR RETURN OF EQUIPMENT IS: W36QZ9													16. FREIGHT CLASSIFICATION NOMENCLATURE											17. ITEM NOMENCLATURE RIFLE, 7.62mm SNIPER																		
													18. TY CONT											19. NO CONT			20. TOTAL WEIGHT			21. TOTAL CUBE												
													22. RECEIVED BY 82nd PBO Team # 1 Approved Int. 0001											23. DATE RECEIVED																		

DD FORM 1348-1A, JUL 91 ISSUE RELEASE/RECEIPT DOCUMENT

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	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	00																																																																																																														
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00001										W36QZ9										8352										4000										R95387										1005-01-240-2136										00001 EA										C/C F										SERIAL # C6225475										REQUEST TO HAVE ITEM REPAIRED AND RETURNED										AOE DOC # FOR RETURN OF EQUIPMENT IS W36QZ9																																																																																																													

5. DOC DATE										6. NMFC										7. FRT RATE										8. TYPE CARGO										9. PS																			
10. QTY. REC'D										11. UP										12. UNIT WEIGHT										13. UNIT CUBE										14. UFC										15. SL									
16. FREIGHT CLASSIFICATION NOMENCLATURE																																																											
17. ITEM NOMENCLATURE																																																											
RIFLE 7.62mm SNIPER M24																																																											
18. TY CONT										19. NO CONT										20. TOTAL WEIGHT										21. TOTAL CUBE																													
22. RECEIVED BY																				23. DATE RECEIVED																																							

PREVIOUS EDITION MAY BE USED

DD FORM 1348-1A, JUL 91 ISSUE RELEASE/RECEIPT DOCUMENT

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	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	00																																																																																																														
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00001										W36QZ9										8352										4001										R95387										1005-01-240-2136										00001EA										C/C F										SERIAL # C6225475										REQUEST TO HAVE ITEM REPAIRED AND RETURNED										ADE DOC # FOR RETURN OF EQUIPMENT IS: W36QZ9																																																																																																													

5. DOC DATE										6. NMFC										7. FRT RATE										8. TYPE CARGO										9. PS																			
10. QTY. REC'D										11. UP										12. UNIT WEIGHT										13. UNIT CUBE										14. UFC										15. SL									
16. FREIGHT CLASSIFICATION NOMENCLATURE																																																											
17. ITEM NOMENCLATURE																																																											
RIFLE, 7.62mm SNIPER																																																											
18. TY CONT										19. NO CONT										20. TOTAL WEIGHT										21. TOTAL CUBE																													
22. RECEIVED BY																				23. DATE RECEIVED																																							

PREVIOUS EDITION MAY BE USED

BARBER - M24 0152295

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # c6225475
24 Mar 1999

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0474
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.076
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0895699

THE AMR FOR THIS RIFLE IS: 1.118

CENTROIDAL DISTANCES

0 TO	1	.387939
1 TO	2	.0277308
1 TO	3	.898276
1 TO	4	.365411
1 TO	5	.444416

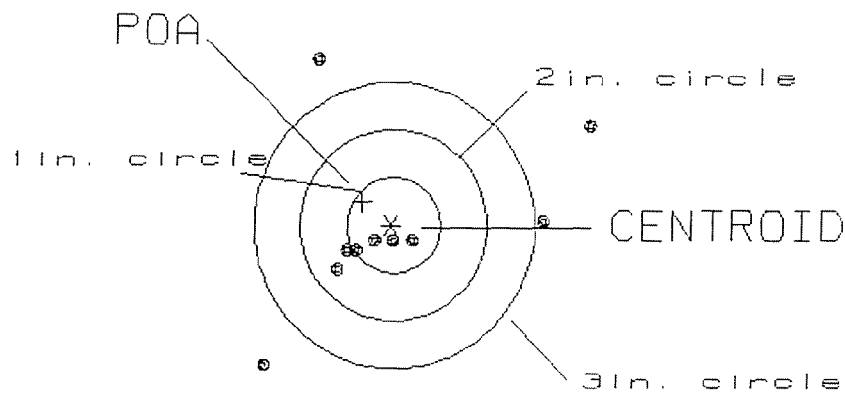
3 5
 # <----POA
 4

PATTERN #: 1
 POA TO CENTROID: .388
 MIN RADIUS : .170
 MEAN RADIUS : 1.032
 MAX RADIUS : 2.368
 CENTROID X : .304
 CENTROID Y : -.241

24 Mar 1999

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225475

CENTERFIRE PATTERN # 1



OF SHOTS= 10

IN CIRCLE

HS= 3.54
 VS= 3.26
 GS= 4.35

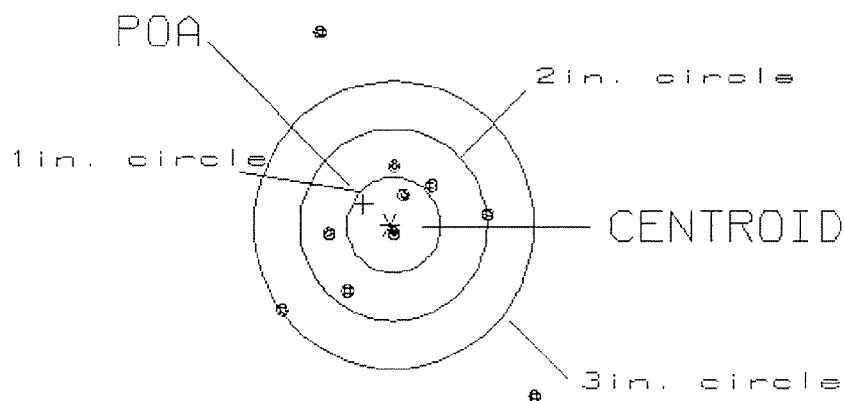
4
 6
 6

PATTERN #: 2
 POA TO CENTROID: .363
 MIN RADIUS : .093
 MEAN RADIUS : 1.014
 MAX RADIUS : 2.348
 CENTROID X : .292
 CENTROID Y : -.216

24 Mar 1999

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225475

CENTERFIRE PATTERN # 2



OF SHOTS= 10

IN CIRCLE

HS= 2.73

2

VS= 3.76

7

GS= 4.41

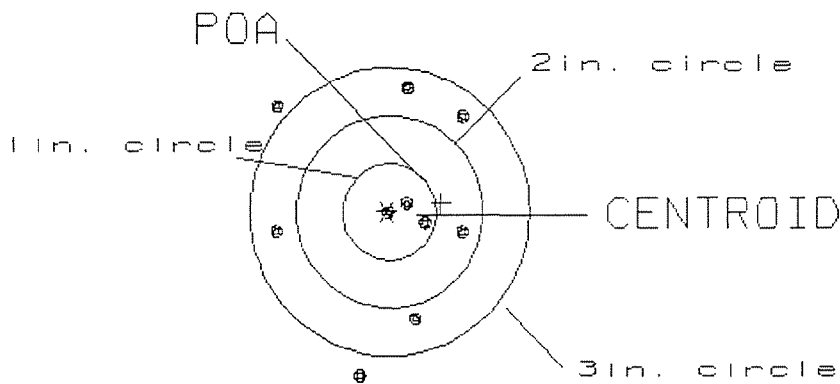
7

PATTERN #: 3
 POA TO CENTROID: .590
 MIN RADIUS : .034
 MEAN RADIUS : .964
 MAX RADIUS : 1.765
 CENTROID X : -.582
 CENTROID Y : -.093

24 Mar 1999

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225475

CENTERFIRE PATTERN # 3



OF SHOTS= 10

IN CIRCLE

HS= 2.00

3

US= 3.00

4

GS= 3.04

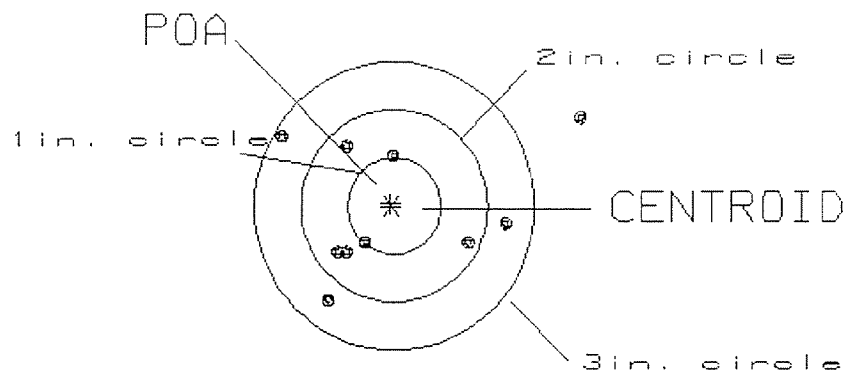
8

PATTERN #: 4
 POA TO CENTROID: .026
 MIN RADIUS : .488
 MEAN RADIUS : 1.027
 MAX RADIUS : 2.221
 CENTROID X : .010
 CENTROID Y : -.024

24 Mar 1999

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225475

CENTERFIRE PATTERN # 4



OF SHOTS= 10

IN CIRCLE

HS= 3.24

1

VS= 1.89

6

GS= 3.31

9

BARBER - M24 0152300

REMINGTON CENTERFIRE ACCURACY TEST

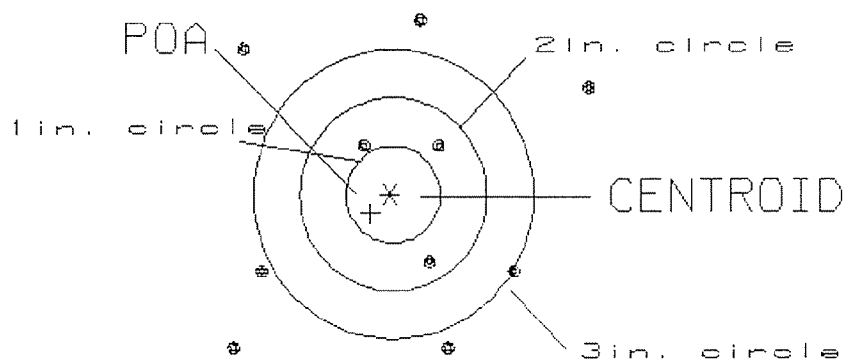
REMINGTON TEST LAB, ILION, N.Y.

PATTERN #: ☐ 5 ☐
 POA TO CENTROID: .287
 MIN RADIUS : .601
 MEAN RADIUS : 1.555
 MAX RADIUS : 2.382
 CENTROID X : .213
 CENTROID Y : .194

24 Mar 1999

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6225475

CENTERFIRE PATTERN # 5



OF SHOTS= 10

IN CIRCLE

HS= 3.82

0

VS= 3.42

3

GS= 4.68

4