

06348944

MODEL 700™ M24



RECORDS CONTROL SCHEDULE

RECORDS CATEGORY OR TITLE:

873 - APPROVAL FOR ATTENDANCE AT

TECHNICAL MEETINGS

COPY "O" (OFFICIAL) ☒ "X" (EXTRA) ☐

TOTAL RETENTION: UNTIL SUPERSEDED

OR OBSOLETE

GS-11050 Rev. 8/78

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

M2400042260

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: **RE00087147** Serial: C6348944 Model: M24 SWS Center Fire Caliber: 7.62 NATO Repairman: Status: Closed 10/27/2004 2:48:59 PM

Verify Repair

Address Information

Customer: ☒ Received From Return To: ☐ Received From

Name: TRANSPORTATION DIV DFEL TRANSPORTATION DIV DFEL

Address 1: BLDG 1036 BLDG 1036

Address 2: 6759 MITCHELL AVE PO Box: 6759 MITCHELL AVE PO Box:

City: FORT BENNING FORT BENNING

State: GA Zip Code: 31905 Country: US State: GA Zip Code: 31905 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
C000	F AND R SGT BASES	1

Repair Search Refresh Close

negletj 10/27/2004 3:31 PM CAPS NUM INS SCPL

start 2 3 2

Serial Number: **C6348944**

Model: **M24 SWS**



RE00087147

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

R & E NUMBER	87147		
SERIAL NUMBER	C-6348944		
LOG-IN DATE	10-27-04		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	11-2-04	RA
560 A	RE-BARREL	N/A	N/A
B	DRILL AND TAP		
575	ASSEMBLE		
600	PROOF		
605	CHECK HEADSPACE		
610	DIS-ASSEMBLE GUN		
612	MAGNAFLUX		
615	ROLLMARK CALIBER		
618	ROTO-BLAST	11-6-04	LB
620	APPLY COATINGS	11/9	#2
625 A	FINAL ASSEMBLY	11-19-04	RV
B	TRIGGER PULL TEST	N/A	N/A
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET		
655	FINAL INSPECT	11-23-04	AC
660	PACK	11/24/04	RA
		SHIP DATE	
		QAR INSPECTION DATE	

Remington Arms Company, Inc.

870 Remington Dr. P.O. Box 700

Madison, NC 27025-0700

Parts/Repairs

800-243-9700

Fax

336-548-7801

www.remington.com info@remington.com

REPAIR DOCUMENT

REPAIR DOCUMENT

Repair Order Number ² RE00057379 Account # - R-	Description/Serial Number C6348944 Model 700 Center Fire Caliber: 7.62 NATO M-24 (SWS)	Date Received - 12/12/2002 Estimate Date - Current Date - 12/13/2002
Customer USAIC DFEL SUPPLY DIV BLDG 490 FORT BENNING. GA 31905 US	Return To USAIC DFEL SUPPLY DIV BLDG 490 FORT BENNING. GA 31905 US	
Phone (H) Phone (W)	Fax Email	

Problems	
Reported	Found
M993 REFURBISH	

Technician's Comments	
Condition	REC'D IN HARD CASE W/ OTHER GUN.

Serial Number: C6348944	
Material #	Material
Model: 700	
	
Total:	intv (Y/N)
RE00057379	

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6348944.___0

FILE DATE AND TIME: 01/16/2003 14:25

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.058
The Average Y Centroid of the Five Target Set:	-0.033
The Average Point of Impact of the Five Target Set:	0.067
The Average Mean Radius of the Five Target Set:	0.528
The Distance from POA to Centroid Target #1:	0.243
The Distance from Centroid Target #2 to Centroid Target #1:	0.274
The Distance from Centroid Target #3 to Centroid Target #1:	0.253
The Distance from Centroid Target #4 to Centroid Target #1:	0.251
The Distance from Centroid Target #5 to Centroid Target #1:	0.195

SERIAL NUMBER: C6348944. 0

TARGET NUMBER: 1

FILE DATE: 01/16/2003

FILE TIME: 14:25

POINT#	X	Y
1:	-0.035	-1.014
2:	-0.233	-1.250
3:	-0.562	-0.047
4:	-0.081	-0.433
5:	0.213	-0.293
6:	0.242	0.213
7:	-0.047	0.308
8:	-0.429	0.368
9:	-0.259	0.088
10:	0.015	-0.062

X CENTROID: -0.118

Y CENTROID: -0.212

POA TO CENTROID: 0.243

HORZ SPREAD: 0.804

VERT SPREAD: 1.618

GROUP SPREAD: 1.630

MIN RADIUS: 0.200

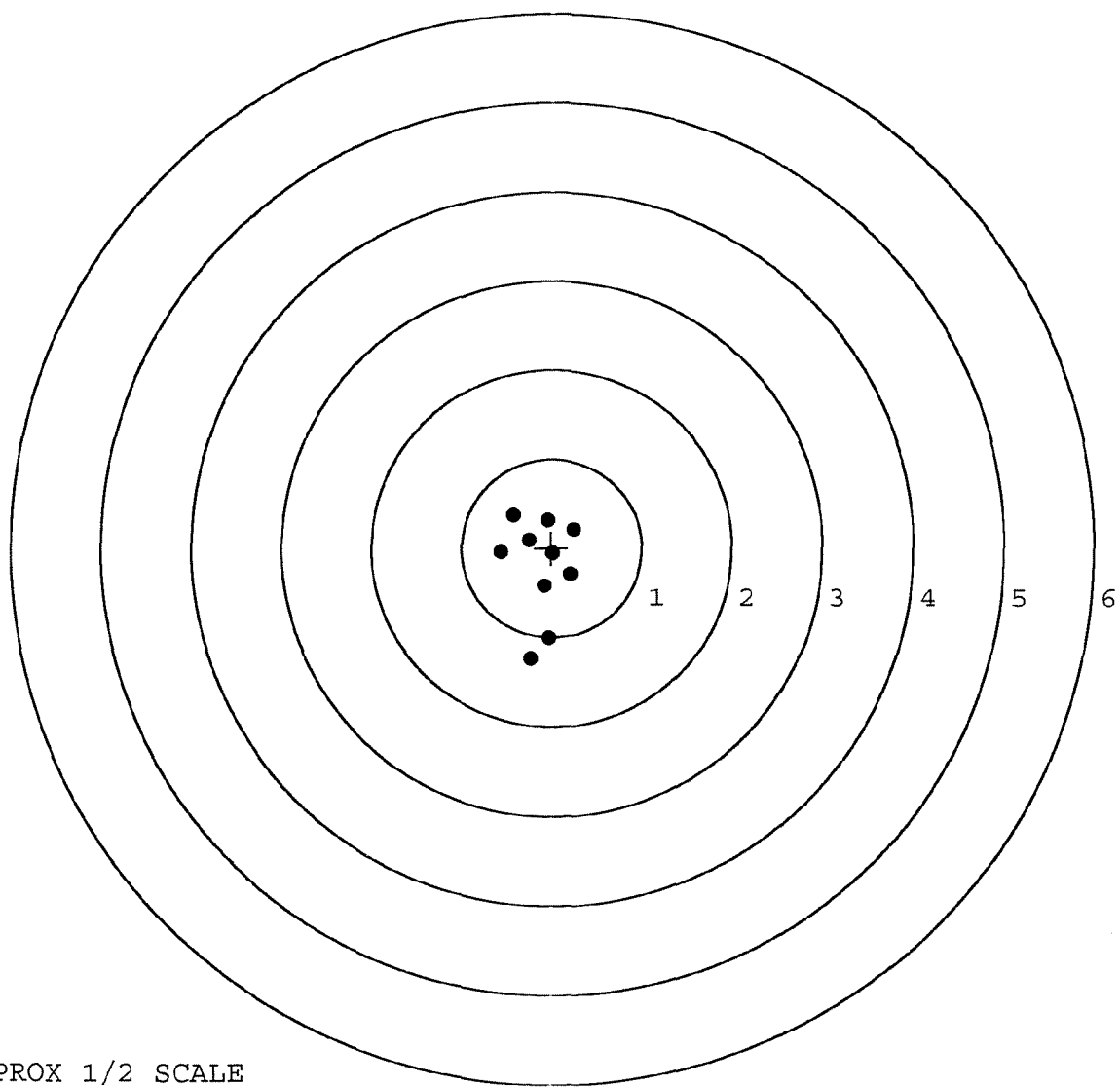
MAX RADIUS: 1.044

MEAN RADIUS: 0.516

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

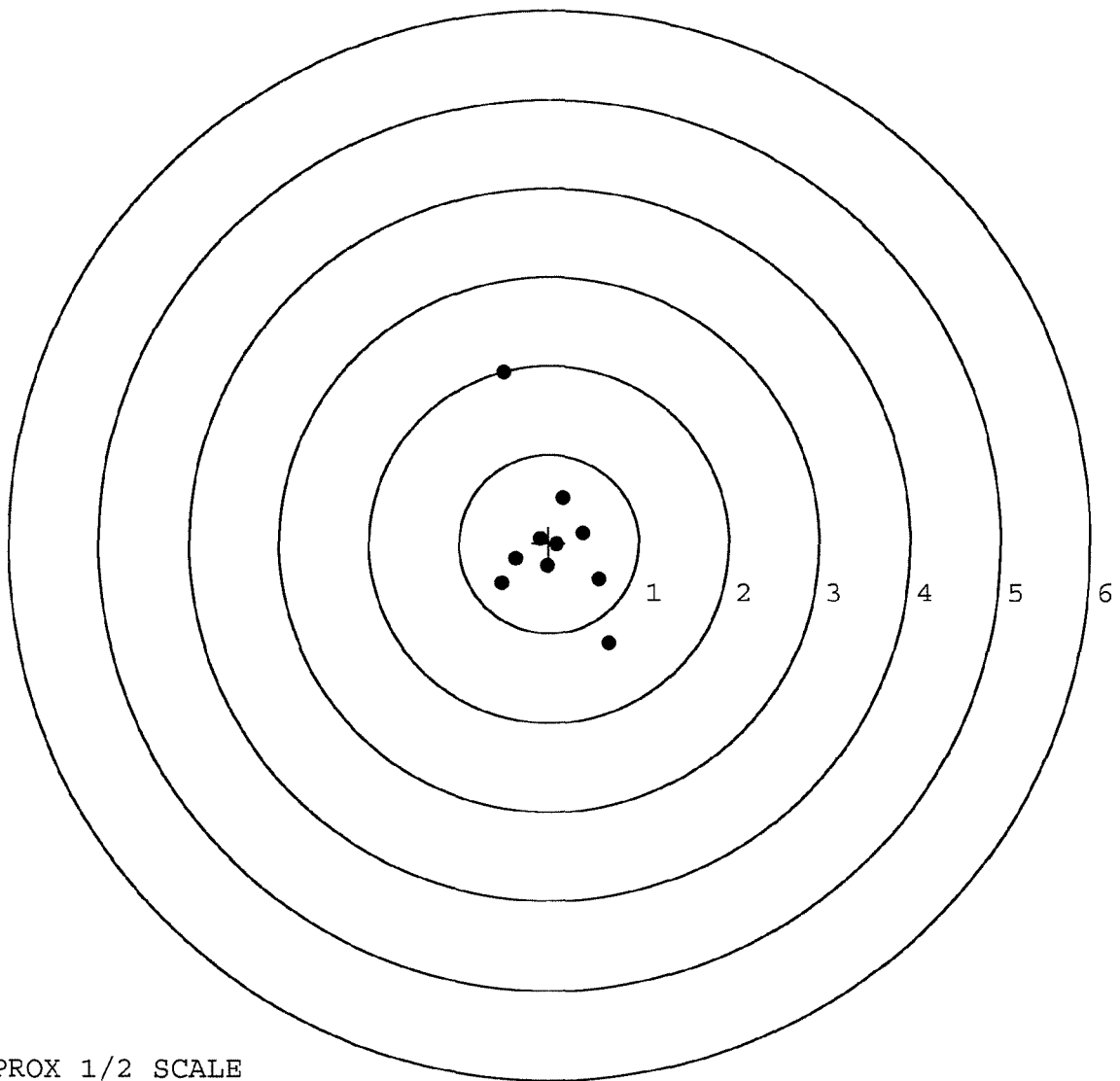


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348944. __0
TARGET NUMBER: 2
FILE DATE: 01/16/2003
FILE TIME: 14:25

POINT#	X	Y
1:	0.664	-1.119
2:	0.556	-0.403
3:	-0.506	1.926
4:	0.376	0.114
5:	0.158	0.507
6:	-0.524	-0.447
7:	-0.367	-0.179
8:	-0.015	-0.259
9:	-0.099	0.050
10:	0.088	-0.019

X CENTROID: 0.033
Y CENTROID: 0.017
POA TO CENTROID: 0.037
HORZ SPREAD: 1.188
VERT SPREAD: 3.045
GROUP SPREAD: 3.262
MIN RADIUS: 0.066
MAX RADIUS: 1.984
MEAN RADIUS: 0.647
IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348944. 0

TARGET NUMBER: 3

FILE DATE: 01/16/2003

FILE TIME: 14:25

POINT#	X	Y
1:	0.797	-0.560
2:	-0.325	-0.501
3:	0.330	-0.130
4:	0.360	0.368
5:	-0.150	-0.016
6:	-0.378	-0.084
7:	-1.068	-0.062
8:	-0.143	0.402
9:	-0.428	0.449
10:	-0.258	0.544

X CENTROID: -0.126

Y CENTROID: 0.041

POA TO CENTROID: 0.133

HORZ SPREAD: 1.865

VERT SPREAD: 1.104

GROUP SPREAD: 1.930

MIN RADIUS: 0.062

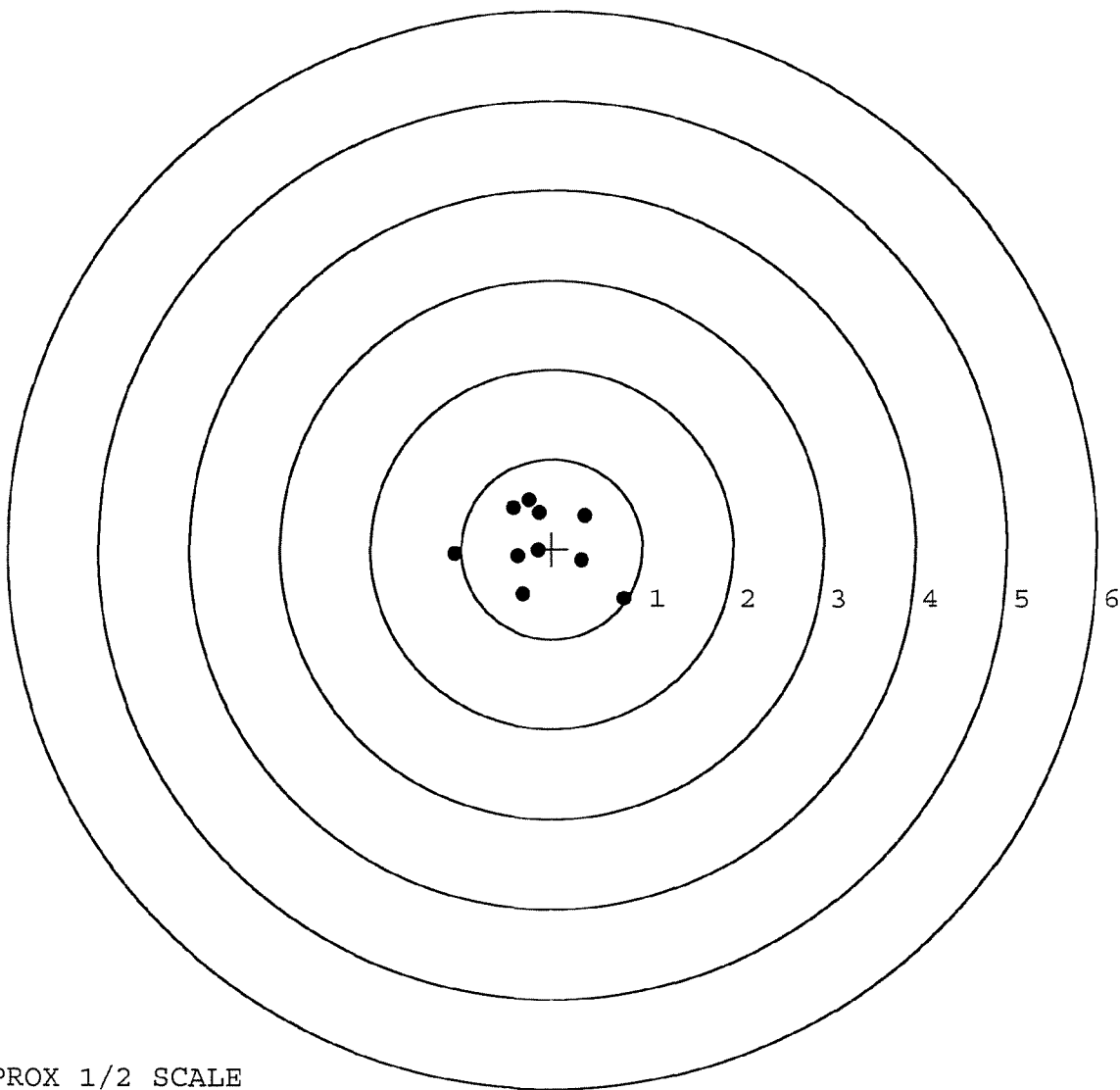
MAX RADIUS: 1.102

MEAN RADIUS: 0.543

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348944. __0

TARGET NUMBER: 4

FILE DATE: 01/16/2003

FILE TIME: 14:25

POINT#	X	Y
--------	---	---

1:	0.680	0.152
----	-------	-------

2:	-1.266	0.105
----	--------	-------

3:	-0.023	-0.405
----	--------	--------

4:	-0.422	0.112
----	--------	-------

5:	0.119	0.353
----	-------	-------

6:	-0.066	0.167
----	--------	-------

7:	-0.030	-0.048
----	--------	--------

8:	0.306	-0.050
----	-------	--------

9:	0.106	0.118
----	-------	-------

10:	0.042	-0.193
-----	-------	--------

X CENTROID: -0.055

Y CENTROID: 0.031

POA TO CENTROID: 0.064

HORZ SPREAD: 1.946

VERT SPREAD: 0.758

GROUP SPREAD: 1.947

MIN RADIUS: 0.083

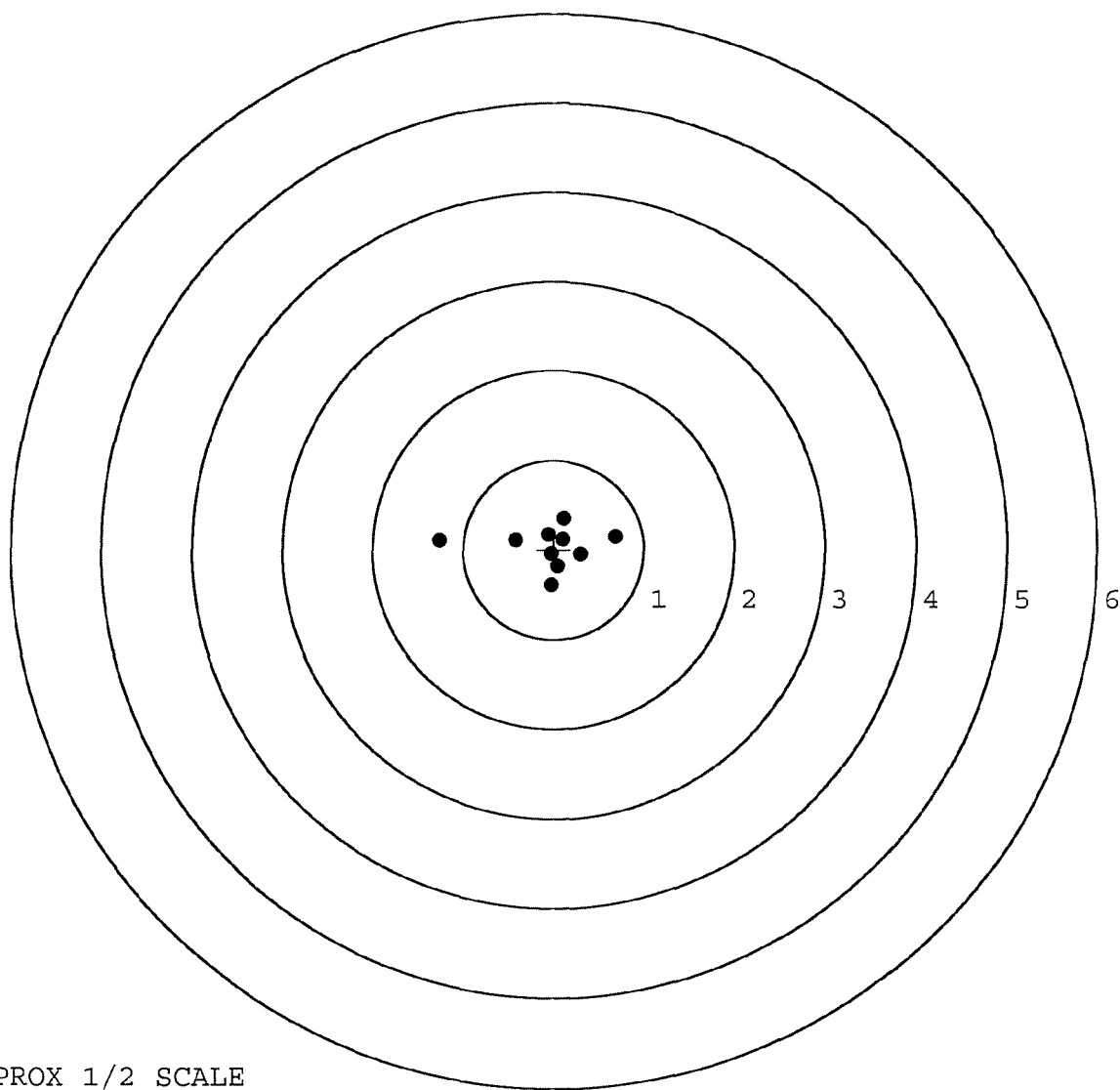
MAX RADIUS: 1.213

MEAN RADIUS: 0.415

IN 1 IN DIAMETER: 8

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348944. __0

TARGET NUMBER: 5

FILE DATE: 01/16/2003

FILE TIME: 14:25

POINT#	X	Y
--------	---	---

1:	0.509	0.535
----	-------	-------

2:	-0.010	0.352
----	--------	-------

3:	-0.269	0.824
----	--------	-------

4:	-0.353	-0.033
----	--------	--------

5:	0.430	-0.049
----	-------	--------

6:	0.361	-0.211
----	-------	--------

7:	-0.049	-0.375
----	--------	--------

8:	-0.409	-0.463
----	--------	--------

9:	-0.301	-0.607
----	--------	--------

10:	-0.155	-0.383
-----	--------	--------

X CENTROID: -0.025

Y CENTROID: -0.041

POA TO CENTROID: 0.048

HORZ SPREAD: 0.918

VERT SPREAD: 1.431

GROUP SPREAD: 1.431

MIN RADIUS: 0.328

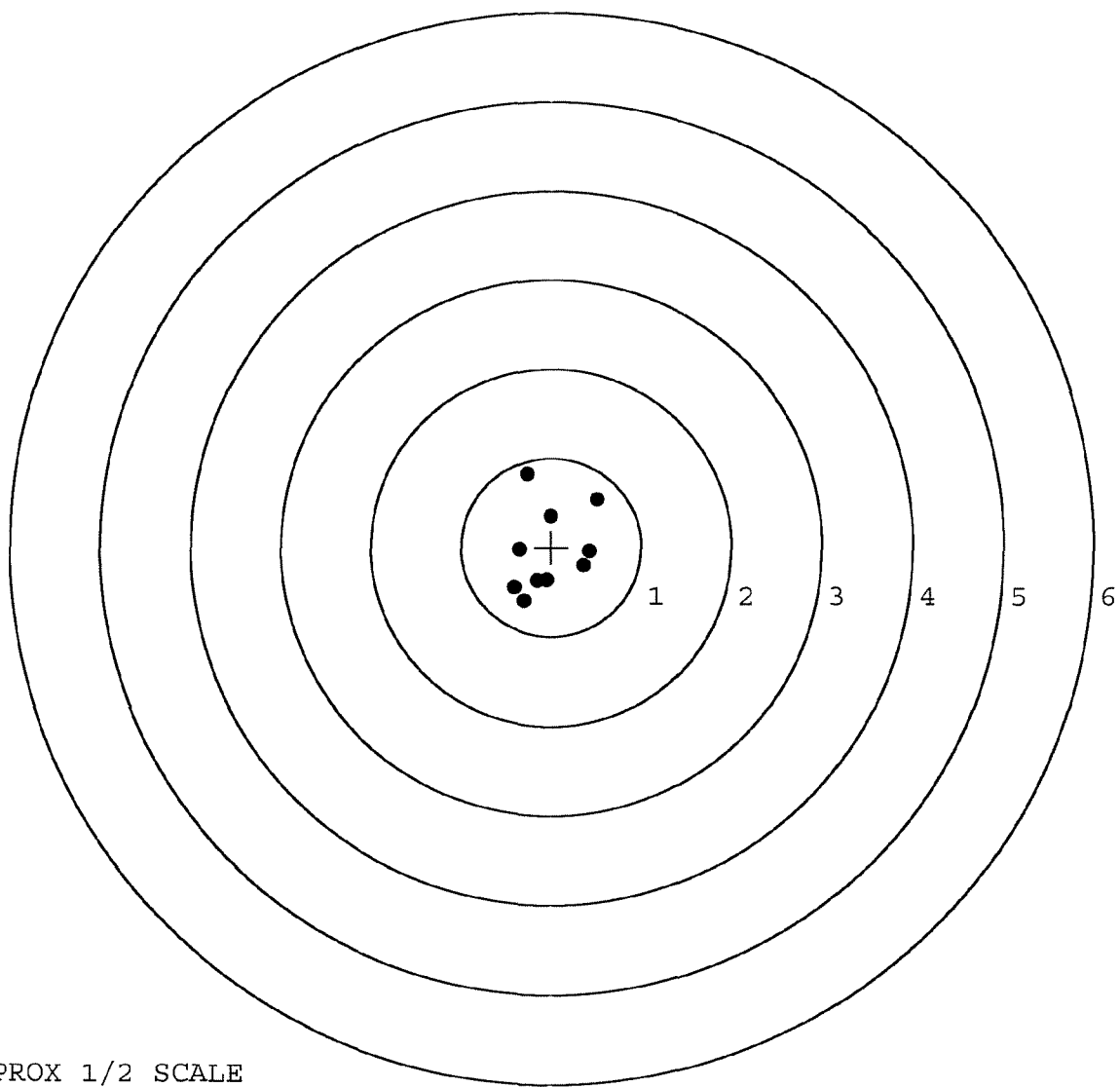
MAX RADIUS: 0.899

MEAN RADIUS: 0.518

IN 1 IN DIAMETER: 6

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

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

DATE 1-02-03

TESTER TRW

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	2.61	2.45	2.51	MIN. SETTING,
PULL #2	2.53	2.44	2.43	NO AVG. OF 5
PULL #3	2.52	2.40	2.33	READINGS ACCEPT
PULL #4	2.53	2.42	2.44	ABLE LESS THAN
PULL #5	2.46	2.37	2.42	
TOTAL	12.65	12.08	12.13	
AVG.	2.53	2.41	2.42	

	3.00# INITIAL	3.00# AFTER 20 CYCLES	COMMENTS
PULL #1	3.07	3.18	
PULL #2	3.14	3.04	
PULL #3	3.15	3.09	
PULL #4	3.12	2.97	
PULL #5	3.18	3.14	
TOTAL	15.66	15.42	
AVG.	3.13	3.08	

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# TARGET & ACCU
PULL #1	4.11	4.03		4.14
PULL #2	4.05	4.33		4.21
PULL #3	4.01	4.40		4.23
PULL #4	4.05	4.39		4.16
PULL #5	4.04	4.42	1.1	4.18
TOTAL	20.26	21.57		20.92
AVG.	4.05	4.31		4.18

FINAL INSPECTION CHECKLIST M-24 REPAIRS
CONTRACT #: DAAE-20-02-D-0127

SERIAL # C6348944 INSPECTED BY: RTL

DATE REC'D: 12-12-02 DATE RET'D: 1-16-03

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:

M-24 INSPECTION CHECKLIST
CONTRACT #: DAAE-20-97-C-242

R & E NUMBER	57379		
SERIAL NUMBER	C6348944		
LOG-IN DATE	12-12-02		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	1-2-03	RTL
560 A	RE-BARREL	1-3-03	DA
B	DRILL AND TAP	1-7-03	TRW
575	ASSEMBLE	1-7-03	RL
600	PROOF	1-7-03	RW
605	CHECK HEADSPACE	1-7-03	RW
610	DIS-ASSEMBLE GUN	1-7-03	RW
612	MAGNAFLUX	1-8-03	AD
615	ROLLMARK CALIBER	1-7-03	RW
618	ROTO-BLAST	1-8-03	RL
620	APPLY COATINGS	1-10	TA
625 A	FINAL ASSEMBLY	1-14-03	RL
B	TRIGGER PULL TEST	1-16-03	TRW
C	SAFETY "ON" FORCE	1-16-03	TRW
D	SAFETY "OFF" FORCE	1-16-03	TRW
E	FIRING PIN INDENT		
640	TARGET	1-15-03	AC
655	FINAL INSPECT	1-16-03	RL
660	PACK	1/16/03	DA
		SHIP DATE	
	QAR INSPECTION DATE		

RECEIVING AND ESTIMATING REPORT

COMMENTS

ORDER

R 99-20523

INITIAL CUSTOMER ORDER NO.

SWS

M/24
W/SCOPE

Scope S/N 87-1137

DATE RECEIVED DATE OPENED DATE CODE

10/10/99 10/20/99

SERIAL NUMBER

C6348944

NEW SERIAL NUMBER

MODEL AND GRADE

700 7.62 NATO

ACCESSORIES

W/STUDS

W/SWIVELS

HARD CASE

SCOPE MNTS

SCOPE BASE

FROM:

SHIP TO:

U S ARMY
CO O 2/29 INF REGT
BLDG 73
FT BENNING

GA 31905

U S ARMY
CO O 2/29 INF REGT
BLDG 73
FT BENNING

GA

31905

CUST NO: 187354 C.O.D.L

ACCOUNT NUMBER

ACCOUNT NUMBER N/C

WRITE ☐

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

BBL
BOLT ASSY
EXTRACTOR

96003
96005
91816

REPAIRMAN

PROOF

CLEAN

TEST

TARGET

PATTERN

GALLERY TESTER

DATE

DATE

DATE

DATE

DATE

1-27-00

2-2-00

2-2-00

OFFICE COPY

RD5925 REV. 7/97

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

M2400042273

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # c6348944

7 Feb 2000

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .047

THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1236

THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .132234

THE AMR FOR THIS RIFLE IS: 1.226

CENTROIDAL DISTANCES

0 TO 1	.286225
1 TO 2	.177767
1 TO 3	.499625
1 TO 4	.668205
1 TO 5	.139714

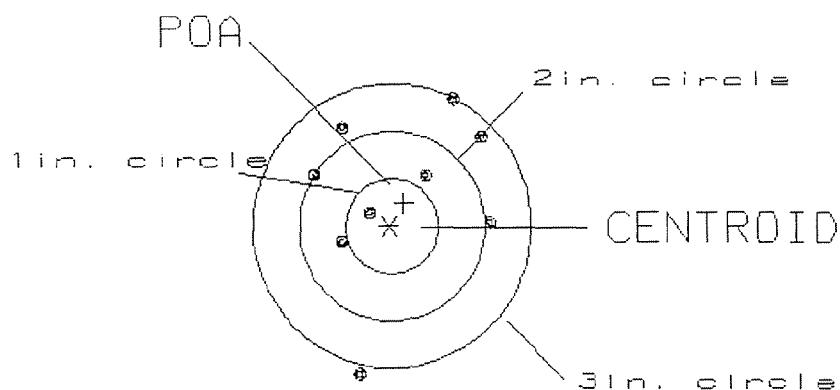
2+ 3⁴ <----POA
1
5

PATTERN #: 1
 POA TO CENTROID: .287
 MIN RADIUS : .309
 MEAN RADIUS : 1.214
 MAX RADIUS : 2.915
 CENTROID X : -.159
 CENTROID Y : -.238

7 Feb 2000

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6348944

CENTERFIRE PATTERN # 1



OF SHOTS= 10

IN CIRCLE

HS= 1.96

1

VS= 4.28

3

GS= 4.40

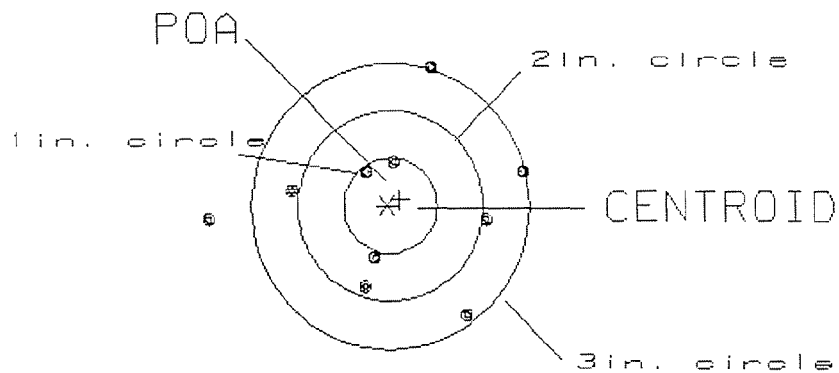
7

PATTERN #: 2
 POA TO CENTROID: .148
 MIN RADIUS : .477
 MEAN RADIUS : 1.089
 MAX RADIUS : 1.960
 CENTROID X : -.134
 CENTROID Y : -.062

7 Feb 2000

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6348944

CENTERFIRE PATTERN # 2



OF SHOTS= 10

IN CIRCLE

HS= 3.39

2

VS= 2.60

4

GS= 3.43

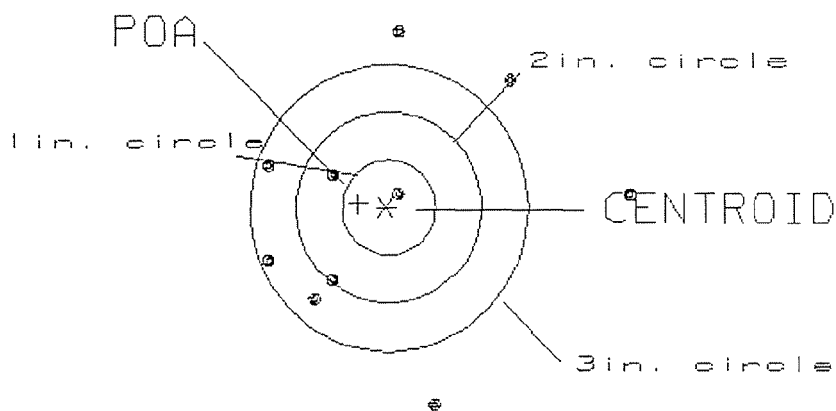
9

PATTERN #: 7 3 0
 POA TO CENTROID: .304
 MIN RADIUS : .149
 MEAN RADIUS : 1.440
 MAX RADIUS : 2.648
 CENTROID X : .301
 CENTROID Y : -.043

7 Feb 2000

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6348944

CENTERFIRE PATTERN # 3



OF SHOTS= 10

IN CIRCLE

HS= 3.96

1

VS= 3.97

3

GS= 4.02

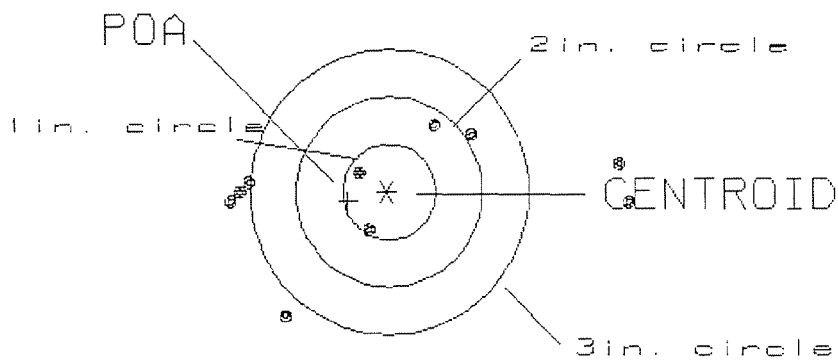
6

PATTERN #: 4
 POA TO CENTROID: .430
 MIN RADIUS : .373
 MEAN RADIUS : 1.429
 MAX RADIUS : 2.563
 CENTROID X : .418
 CENTROID Y : .099

7 Feb 2000

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6348944

CENTERFIRE PATTERN # 4



OF SHOTS= 10

IN CIRCLE

HS= 4.26

2

VS= 2.04

3

GS= 4.26

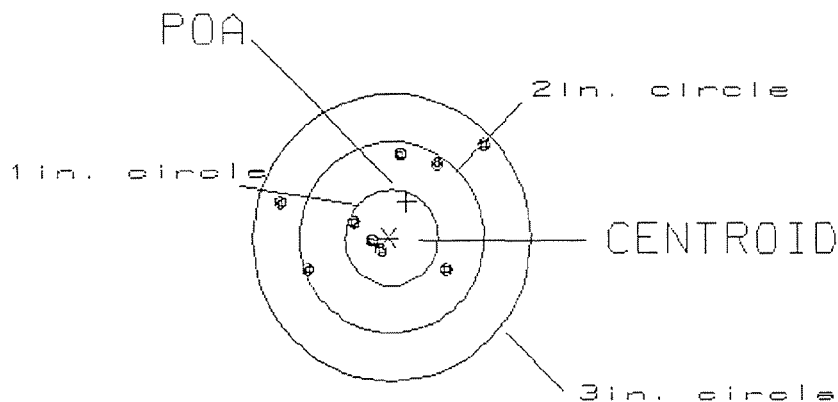
5

PATTERN #: 5
 POA TO CENTROID: .420
 MIN RADIUS : .167
 MEAN RADIUS : .958
 MAX RADIUS : 2.545
 CENTROID X : -.191
 CENTROID Y : -.374

7 Feb 2000

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/c6348944

CENTERFIRE PATTERN # 5



OF SHOTS= 10

IN CIRCLE

HS= 2.16

3

VS= 3.45

7

GS= 3.47

9

21 DAY TURN - AROUND

M-24

CONTRACT # DAAA09-92-C-0834

R&E NO.

SERIAL NO. *C6348944*

LOG IN DATE: / /		DATE	INT.
INSPECT & VERIFY:			
OP. #	OP. NAME		
550	DIS-ASSEMBLE GUN		
560 A	RE-BARREL AT CUSTOM SHOP		
B	DRILL & TAP		
C	POLISH		
575	ASSEMBLE		
600	PROOF	<i>12-12-99</i>	<i>RW</i>
605	CHECK HEADSPACE	<i>12-12-99</i>	<i>RW</i>
610	DIS-ASSEMBLE		
612	MAGNAFLUX		
615	ROLLMARK CALIBER		
618	ROTO-BLAST		
620	APPLY COATINGS		
625 A	FINAL ASSEMBLY		
B	TRIGGER PULL TEST		
C	SAFETY ON FORCE		
D	SAFETY OFF FORCE		
E	FIRING PIN INDENT		
640	TARGET	<i>2-2-00</i>	<i>RW</i>
655	FINAL INSPECT	<i>2-8-00</i>	<i>RW</i>
660	PACK		

QAR INSPECTION

SHIP DATE

Final Inspection

Sn: C6348944

DATE REC'D: 10-18-99

DATE RET'D:

Auditor: RW

Item:

Barrel Assy.

☒ Barrel☒ Receiver☒ Front Sight Block☒ Rear Sight Block☒ Screws☒ Finish

Scope Assy.

☒ Scope☒ Scope Rings☒ Mounting Screws☒ Mounting Base☒ Screws☒ Finish☒ Looseness☒ Clarity

Misc.

☐ DD-250☐ BAR CODE☐ PACKAGING

Item:

Stock Assy.

☒ Stock☒ Sling Swivel Studs☒ Adjustable Butt Plate☒ Lock Nuts☒ Barrel Clearance☒ Color/Finish

Systems Case

☐ Scope Case☐ Iron Sights☐ Deployment Kit

Trigger

☒ Safety Operation☒ Set

Comments:

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#
3.00# ± .75#
4.00# ± 1.00#

SERIAL NO. C634 8944

DATE _____

TESTER _____

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	2.55	2.48	2.50	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.45	2.58	2.45	
PULL #3	2.53	2.47	2.51	
PULL #4	2.57	2.43	2.54	
PULL #5	2.28	2.54	2.40	
TOTAL	12.38	12.50	12.40	
AVG.	2.476	2.5	2.48	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.50	3.38		
PULL #2	3.28	3.44		
PULL #3	3.36	3.15		
PULL #4	3.32	3.11		
PULL #5	3.44	3.42		
TOTAL	16.90	16.50		
AVG.	3.38	3.3		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.14	4.29		4.27
PULL #2	4.52	4.31		4.57
PULL #3	4.42	4.49		4.41
PULL #4	4.43	4.43		4.38
PULL #5	4.44	4.48		4.45
TOTAL	21.95	21.99		22.08
AVG.	4.39	4.398		4.416




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

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

MODEL 700™ H24

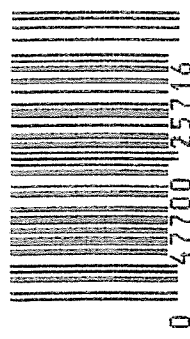
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.

SERIAL NO.	06348944
ORDER NO.	5716



5716 06348944

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6348944

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	10-9	89	RW
600	Proof	10-9	89	RW
607	Check Headspace	10-9	89	RW
610	Dis-assemble Gun	10-9	89	RW
612	Magnaflux Barrel Action		11/6/89	KCR
	Magnaflux Bolt		11/2/89	KCR
615	Rollmark Caliber		11/2/89	G.S.
7	Drill and Tap Sight Holes			
618	Polish Barrel			
620	Apply Coatings (Barrel Action)		11-3-89	TJA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		11/6/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11/6/89	RW
	C) Inspect Ejector Hole for Chamfer		11/6/89	RW
	D) Oil Firing Pin Ass'y		11/6/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		11/6/89	GD

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			11-14-89	JK
	G) Safety Off Force	3	3	3			11-14-89	JK
	H) Trigger Pull Test & Retainability						14 Nov 89	JK
	I) Firing Pin Indent	.0225	.0225	.0225			11-14-89	JK
	J) Assemble Stock						11/15/89	RW
	K) Assemble Swivel Studs						27 Nov 89	JK
	L) Attach Front and Rear Sight Assemblies						11/15/89	RW
	M) Iron Sight Alignment						11/15/89	RW
	N) Detach Front & Rear Sights & place in numbered container						11/15/89	RW
	O) Attach Scope to Rifle						15 Nov 89	JK
	P) Detach & Attach Scope 20 Times						15 Nov 89	JK
640	Gallery Target & Test						11-16-89	DH
	A) Time						11-16-89	DH
	B) Malfunctions						11-16-89	DH
	C) Pierced Primers						11-16-89	DH
	D) Optical Clarity of Scope						11-16-89	DH
645	Inspect for Live Ammo						11-16-89	DH
655	Final Inspection							
	A) Headspace						27 Nov 89	JK
	B) Trigger Pull	266	278	275	266	2.82	27 Nov 89	JK
	C) Function						27 Nov 89	JK
660	Pack						15 Dec 89	JK

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06348944
16 Nov 1989

CENTROIDAL DISTANCES

0 TO	1	.480833
1 TO	2	.290396
1 TO	3	.44041
1 TO	4	.715268
1 TO	5	.52

4
3
2
1

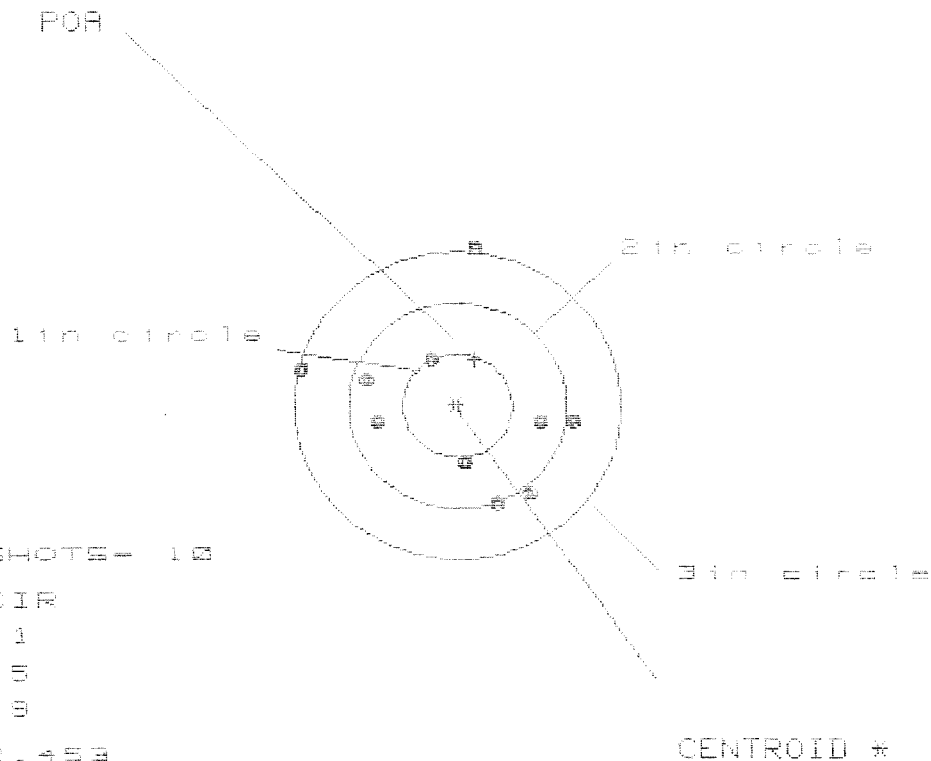
<----FOR

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.1442
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0854
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .167591
THE AMR FOR THIS RIFLE IS: .957

18 Nov 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6340944

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 5

3 in = 9

HS= 2.453

VS= 2.529

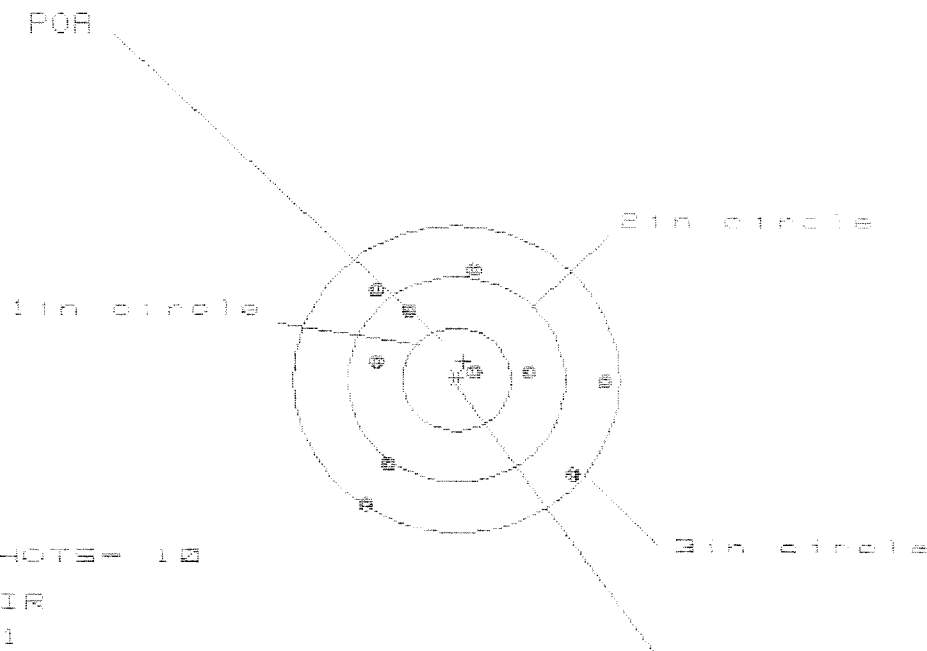
GS= 2.540

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.049	1.066	.893
MINIMUM X	:	-1.404	-1.387	-.997
MAXIMUM Y	:	1.572	.596	.668
MINIMUM Y	:	-.957	-.782	-.710
CENTROID X	:	-.164	-.181	-.008
CENTROID Y	:	-.452	-.627	-.699
POA TO CENTROID in.	:	.481	.652	.699
MIN RADIUS	:	.463	.351	.257
MEAN RADIUS	:	.962	.872	.764
MAX RADIUS	:	1.580	1.502	1.133
HORIZONTAL SPREAD	:	2.453	2.453	1.890
VERTICAL SPREAD	:	2.529	1.378	1.378
EXTREME SPREAD	:	2.540	2.505	1.932
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

16 Nov 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C634BS44

CENTERFIRE PATTERNS # 2



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 4

3 in = 10

HS = 2.127

VS = 2.244

CS = 2.529

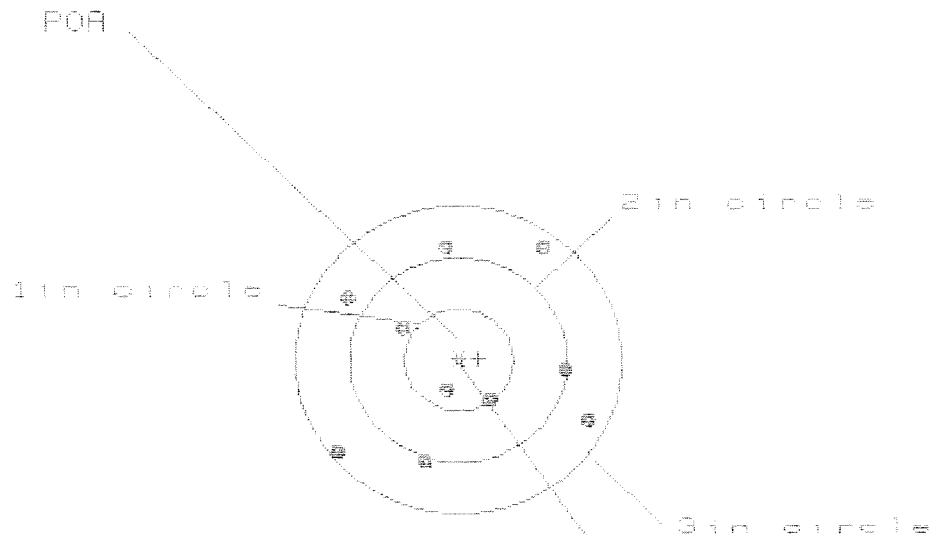
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.331	1.243	1.362
MINIMUM X	:	-1.795	-1.861	-1.742
MAXIMUM Y	:	1.047	.914	.780
MINIMUM Y	:	-1.197	-1.067	-1.054
CENTROID X	:	-1.065	.024	-1.095
CENTROID Y	:	-1.179	-.046	.088
POR TO CENTROID in.	:	.190	.051	.129
MIN RADIUS	:	.228	.136	.307
MEAN RADIUS	:	.993	.918	.844
MAX RADIUS	:	1.438	1.430	1.401
HORIZONTAL SPREAD	:	2.127	2.104	2.104
VERTICAL SPREAD	:	2.244	1.981	1.834
EXTREME SPREAD	:	2.529	2.529	2.243
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		10	

16 Nov 1988

FILE:/PATTERNING/CENTERFIRE_PATT/G0348344

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1in = 2

2in = 3

3in = 5

HS= 2.224

VS= 2.074

GS= 2.696

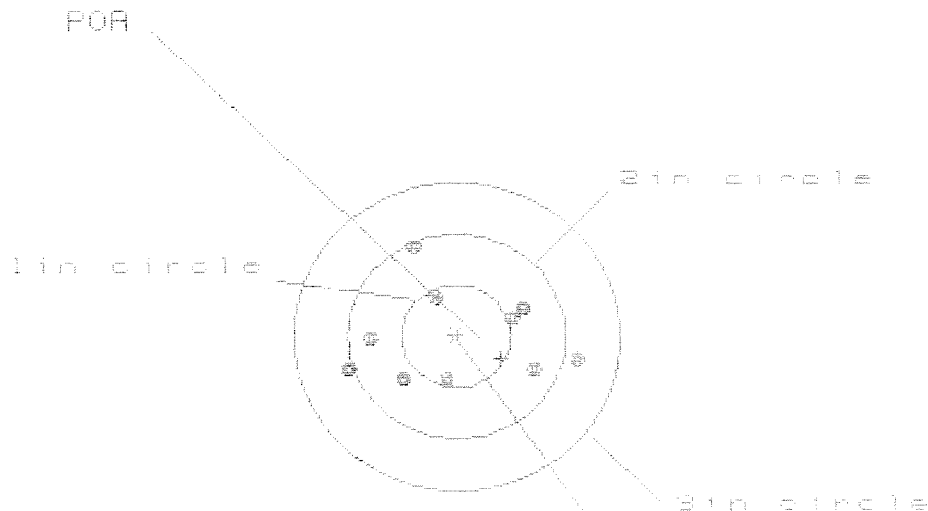
CENTROID #

PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.146	1.026	1.110
MINIMUM X	-1.078	-1.136	-1.052
MAXIMUM Y	1.100	1.004	1.127
MINIMUM Y	-0.974	-1.070	-0.947
CENTROID X	-0.183	-0.060	-0.147
CENTROID Y	-0.012	0.084	-0.039
POA TO CENTROID in.	0.183	0.105	0.153
MIN RADIUS	0.273	0.419	0.270
MEAN RADIUS	0.968	0.930	0.868
MAX RADIUS	1.379	1.255	1.262
HORIZONTAL SPREAD	2.224	2.162	2.162
VERTICAL SPREAD	2.074	2.074	2.074
EXTREME SPREAD	2.696	2.491	2.491
NUMBER IN ONE INCH CIRCLE	=	2	
NUMBER IN TWO INCH CIRCLE	=	3	
NUMBER IN THREE INCH CIRCLE	=	10	

16 Nov 1985

FILE:/PATTERNING/CENTERFIRE_PATT/C6346344

CENTERFIRE PATTERNS # 4



OF SHOTS - 10

IN CIR

1in = 2

2in = 8

3in = 10

HS = 2.120

VS = 1.363

GS = 2.121

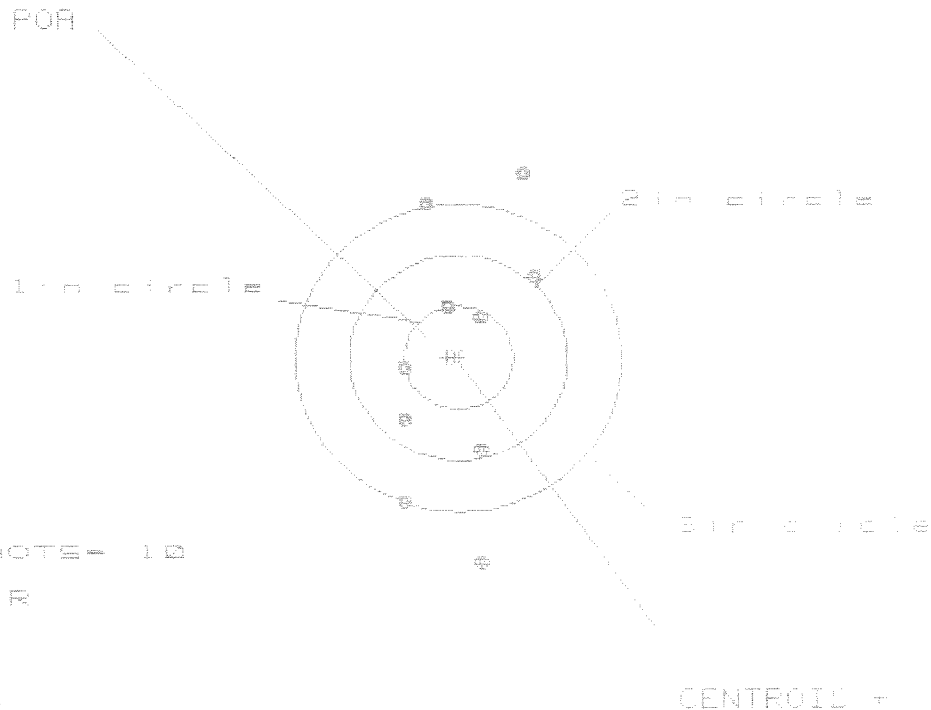
CENTROID #

PATTERN #	4		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.101	.877	.765
MINIMUM X	-1.019	-.896	-.785
MAXIMUM Y	.921	.895	.856
MINIMUM Y	-.442	-.468	-.507
CENTROID X	-.409	-.532	-.420
CENTROID Y	.220	.246	.285
POA TO CENTROID in.	.465	.586	.567
MIN RADIUS	.420	.349	.360
MEAN RADIUS	.746	.696	.658
MAX RADIUS	1.126	.949	.931
HORIZONTAL SPREAD	2.120	1.773	1.550
VERTICAL SPREAD	1.363	1.363	1.363
EXTREME SPREAD	2.121	1.773	1.655
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		8	
NUMBER IN THREE INCH CIRCLE =		10	

18 May 1989

FILE:/PATTERNING/CENTERFIRE_PAT_014004

CENTERFIRE PATTERN # 5



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 5

3 in = 8

HS= 1.245

VS= 3.734

GS= 3.757

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.731	.752	.829
MINIMUM X	:	-.914	-.493	-.416
MAXIMUM Y	:	1.759	1.539	1.427
MINIMUM Y	:	-1.975	-1.607	-1.414
CENTROID X	:	.188	.079	.082
CENTROID Y	:	.004	.316	.023
POB TO CENTROID IN.	:	.188	.238	.023
MIN RADIUS	:	.488	.384	.398
MEAN RADIUS	:	1.116	.991	.985
MAX RADIUS	:	1.984	1.681	1.474
HORIZONTAL SPREAD	:	1.245	1.245	1.245
VERTICAL SPREAD	:	3.734	3.146	2.841
EXTREME SPREAD	:	3.757	3.338	2.847
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

RECEIVING AND ESTIMATING REPORT

COMMENTS

ORDER

R 96-11758

INITIAL CUSTOMER ORDER NO.

M24 W/ULTRA 10X-M3A SCOPE, & DEPLOYMENT KIT

FPS

DATE RECEIVED	DATE OPENED	DATE CODE	SERIAL NUMBER	NEW SERIAL NUMBER	MODEL AND GRADE
05/03/96	05/06/96	RJ 11-89	C6348944		700 7.62 NATO
ACCESSORIES	W/STUDS	SCOPE MNTS	SCOPE BASE	HARD CASE	

FROM:

SHIP TO:

SUPPLY & SERVICE DIVISION
WHSE. 224
FT. BENNING GA 31905

SUPPLY & SERVICE DIVISION
WHSE. 224
FT. BENNING GA 31905

CUST NO:080509 C.O.D.L

ACCOUNT NUMBER

ACCOUNT NUMBER N/C

WRITE ☐

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

Barrel - 96003
Stock - 96018

Replaster Coat Trigger Guard
Assy. Front & Rear Sight Bases
Retine Scope Base, Rings
& Swivel Studs

REPAIRMAN	PROOF	CLEAN	TEST	TARGET	PATTERN
RW	✓	✓	A	K	
GALLERY TESTER	DATE	DATE	DATE	DATE	DATE
A	5/8/96	5/14/96	5/14/96	5/14/96	

OFFICE COPY

RD6925 REV. 1/94

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

M2400042292

KINZER V. REMINGTON

[illegible]

DD Form 1348-1, JUL 91

PREVIOUS EDITION MAY BE USED

DOD SINGLE LINE ITEM RELEASE/RECEIPT DOCUMENT

M2400042293

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6348944

OP. #	OP. NAME	READINGS	DATE	INITIAL
575 & 580	Assemble Action and Stock		5/8/96	RW
600	Proof		5/8/96	RW
607	Check Headspace		5/8/96	RW
610	Dis-assemble Gun		5/8/96	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		5/15/96	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/15/96	RW
	C) Inspect Ejector Hole for Chamfer		5/15/96	RW
	D) Oil Firing Pin Ass'y		5/15/96	RW
	E) Adjust Trigger Pull to Min Setting and Stake			

op. #	OP. NAME	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				5/15/96	RW
	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				5/14/96	AT
	A) Time					
	B) Malfunctions					
	C) Pierced Primers					
	D) Optical Clarity of Scope					
645	Inspect for Live Ammo				5/14/96	AT
655	Final Inspection					
	A) Headspace				5/14/96	RW
	B) Trigger Pull				5/14/96	RW
	C) Function				5/14/96	RW
660	Pack					

Final Inspection

Sn: C6348944

DATE REC'D: 5/3/96

DATE RET'D:

AUDITOR: RW

Item:

Barrel Assy.

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

Scope Assy.

☒ Scope☒ Scope Rings☒ Mounting Screws☒ Mounting Base☒ SCREWS☒ FINISH☒ Looseness☒ CLARITY

Misc.

☐ DD-250☐ BAR CODE☐ PACKAGING

Item:

Stock Assy.

☒ Stock☒ Slings Swivel Studs☒ ADJUSTABLE BUTT PLATE☒ LOCK NUTS☒ BARREL CLEARANCE☒ COLOR/FINISH

Systems Case

☐ Scope Case☐ IRON SIGHTS☐ Deployment Kit

Trigger

☒ SAFETY OPERATION☒ SET

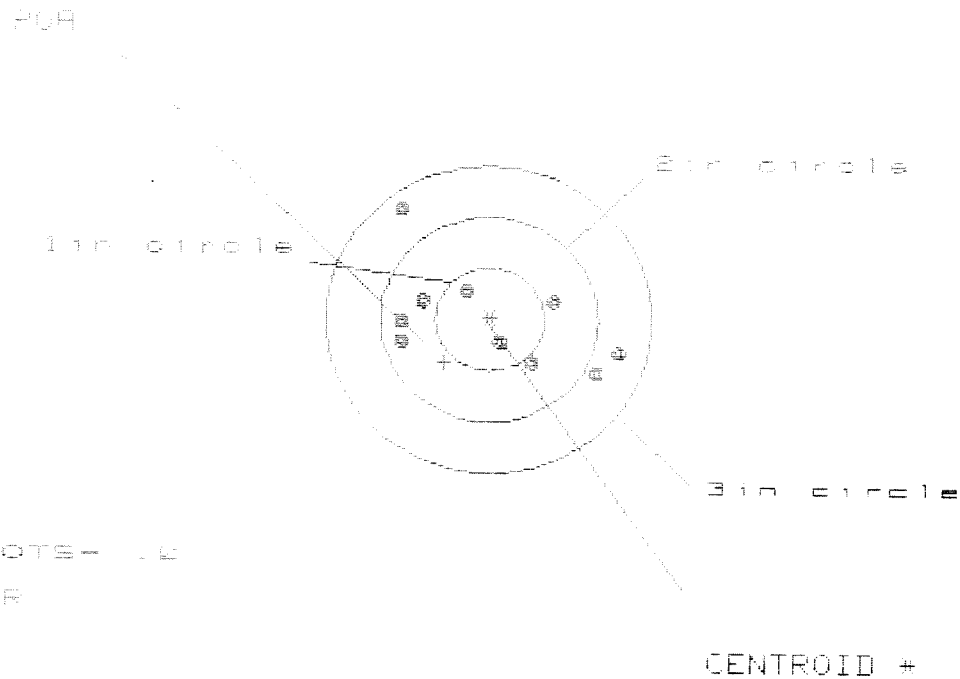
Comments:

THE AMP FOR THIS RIFLE IS: 1.028

16 Mar 1988

FILE:/PATTERNING/CENTERFIRE_PATT/00346944

CENTERFIRE PATTERNS # 1



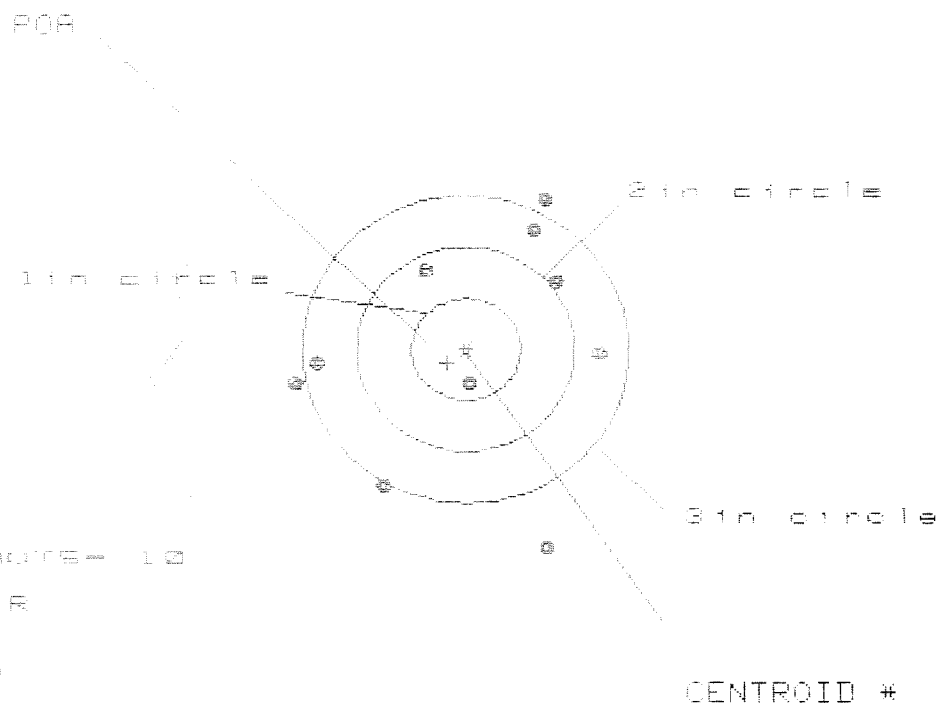
OF SHOTS - 10
 # IN CIR
 1 in = 2
 2 in = 7
 3 in = 10
 HSF = 1.887
 VSF = 1.832
 GSF = 2.427

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.156	1.078	1.033
MINIMUM X	-.841	-.927	-.794
MAXIMUM Y	1.119	.434	.407
MINIMUM Y	-.513	-.389	-.416
CENTROID X	.414	.500	.367
CENTROID Y	.421	.297	.324
POA TO CENTROID in.	.590	.582	.490
MIN RADIUS	.239	.089	.200
MEAN RADIUS	.778	.636	.644
MAX RADIUS	1.363	1.093	1.114
HORIZONTAL SPREAD	1.997	1.997	1.827
VERTICAL SPREAD	1.632	.823	.823
EXTREME SPREAD	2.427	2.001	1.849
NUMBER IN ONE INCH CIRCLE	=	2	
NUMBER IN TWO INCH CIRCLE	=	7	
NUMBER IN THREE INCH CIRCLE	=	10	

18 Mar 1968

FILE: PATTERNING/CENTERFIRE_PATT/06248944

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 2

3 in = 0

HS= 0.837

VS= 3.401

CS= 3.402

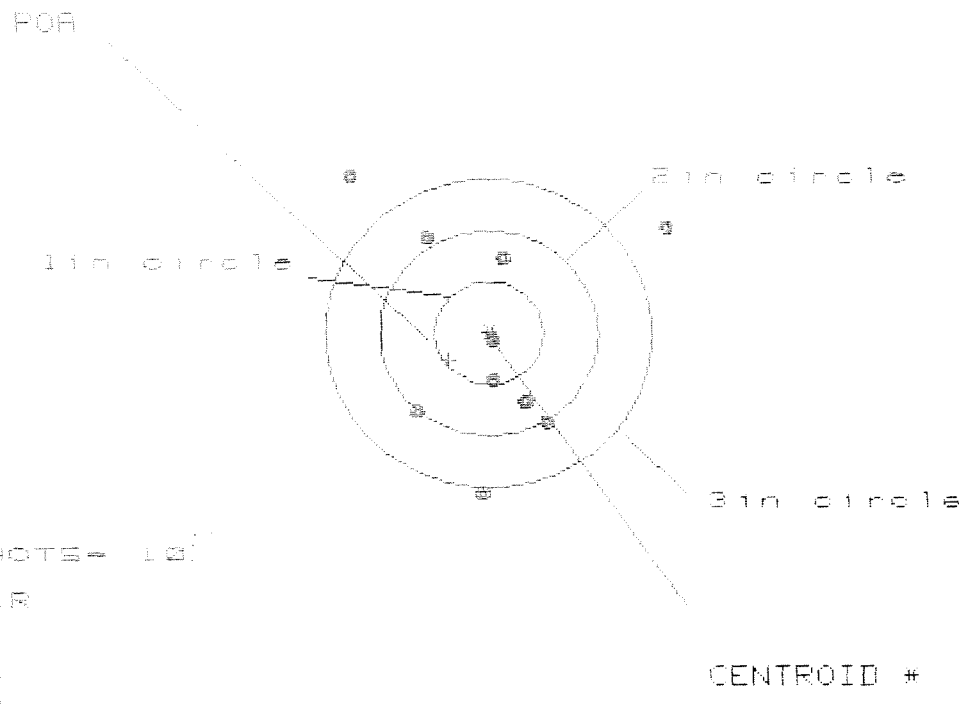
PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.235	1.319	1.130
MINIMUM X	-1.602	-1.518	-1.503
MAXIMUM Y	1.488	1.276	1.204
MINIMUM Y	-1.913	-1.576	-1.648
CENTROID X	.169	.085	.274
CENTROID Y	.133	.345	.417
POA TO CENTROID IN.	.215	.356	.499
MIN RADIUS	.368	.593	.650
MEAN RADIUS	1.325	1.228	1.150
MAX RADIUS	2.659	1.730	1.878
HORIZONTAL SPREAD	2.837	2.837	2.633
VERTICAL SPREAD	3.401	2.852	2.852
EXTREME SPREAD	3.402	3.215	3.215
NUMBER IN ONE INCH CIRCLE	=	1	
NUMBER IN TWO INCH CIRCLE	=	2	
NUMBER IN THREE INCH CIRCLE	=	6	

18 Mar 1988

FILE:/PATTERNING/CENTERFIRE_PATT/08348944

CENTERFIRE PATTERNS

3



OF SHOTS= 10

IN CIR

1in = 1

2in = 5

3in = 7

HE= 2.879

VE= 3.108

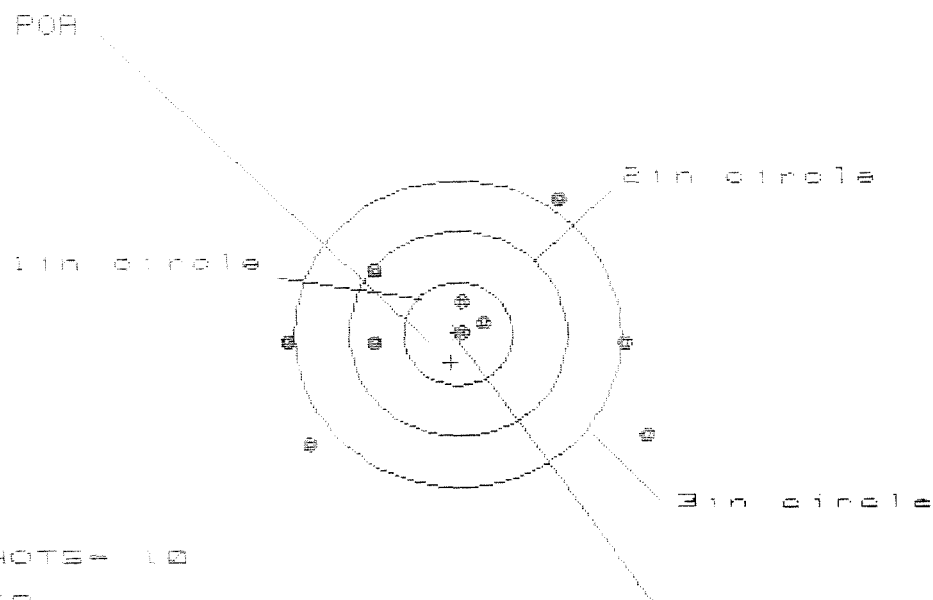
GE= 3.345

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.589	1.446	.545
MINIMUM X	:	-1.290	-.851	-.671
MAXIMUM Y	:	1.578	1.180	1.266
MINIMUM Y	:	-1.530	-1.355	-1.207
CENTROID X	:	.368	.511	.331
CENTROID Y	:	.265	.090	-.058
POR TO CENTROID IN.	:	.454	.519	.336
MIN RADIUS	:	.095	.144	.193
MEAN RADIUS	:	1.063	.917	.767
MAX RADIUS	:	2.038	1.866	1.374
HORIZONTAL SPREAD	:	2.879	2.297	1.216
VERTICAL SPREAD	:	3.108	2.535	2.473
EXTREME SPREAD	:	3.345	3.020	2.527
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		7	

18 Mar 1968

FILE:/PATTERNING/CENTERFIRE_PATT/06348944

CENTERFIRE PATTERNS # 4



OF SHOTS = 10

IN CIR

1in = 3

2in = 4

3in = 6

HS = 3.328

VS = 2.463

CS = 3.433

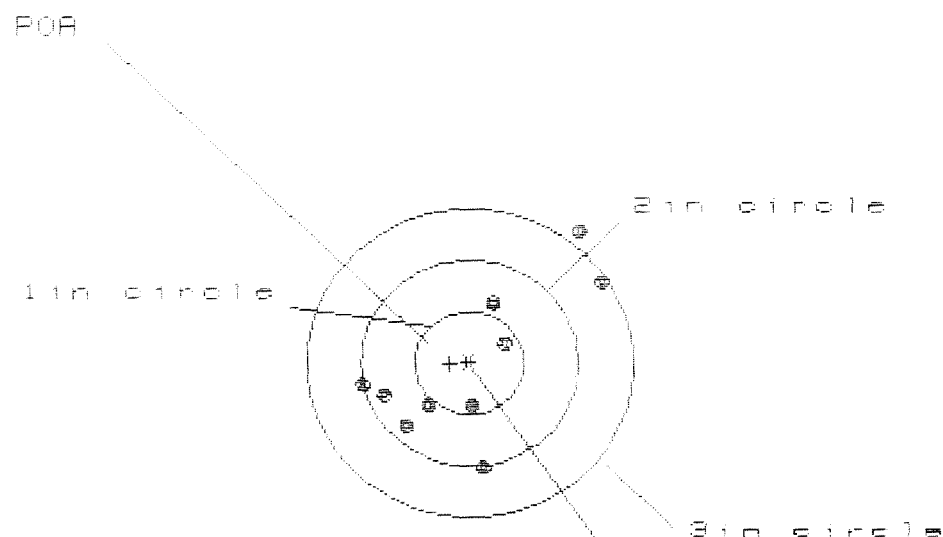
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.735	1.690	1.547
MINIMUM X	-1.593	-1.400	-1.543
MAXIMUM Y	1.338	1.228	1.074
MINIMUM Y	-1.125	-1.235	-1.389
CENTROID X	.067	-.126	.017
CENTROID Y	.280	.390	.544
POA TO CENTROID in.	.288	.409	.544
MIN RADIUS	.036	.253	.078
MEAN RADIUS	1.087	.984	.868
MAX RADIUS	1.997	1.698	1.591
HORIZONTAL SPREAD	3.328	3.090	3.090
VERTICAL SPREAD	2.463	2.463	1.463
EXTREME SPREAD	3.433	3.335	3.091
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	6		

18 MAR 1988

FILE:/PATTERNING/CENTERFIRE_PATT/08348944

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 7

3 in = 9

HS= 2.206

VS= 2.292

GS= 2.535

CENTROID #

PATTERN #	5		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.185	1.296	.623
MINIMUM X	-1.021	-.910	-.748
MAXIMUM Y	1.320	.975	.850
MINIMUM Y	-.972	-.826	-.704
CENTROID X	.184	.073	-.089
CENTROID Y	.011	-.135	-.257
POA TO CENTROID in.	.184	.154	.272
MIN RADIUS	.406	.300	.216
MEAN RADIUS	.888	.761	.601
MAX RADIUS	1.655	1.622	.989
HORIZONTAL SPREAD	2.206	2.206	1.371
VERTICAL SPREAD	2.292	1.801	1.554
EXTREME SPREAD	2.535	2.440	1.563
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		9	