

G 652 1336
Replaced
C. 6225091

Repair Inquiry

Repair Number: RE00133022

Serial: C6225091 Model M24 SWS Center Fire
Caliber: 7.62 NATO Produced: 12/20/1988

Repairman:

Verify Repair

High Priority

Status:

Closed 8/22/2007 7:13:43 AM

Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name: TRANSPORTATION OFFICER

TRANSPORTATION OFFICER

Address 1: XR WOK8 USA ROCK ISL ARSENAL

XR WOK8 USA ROCK ISL ARSENAL

Address 2: BLDG 299 GILLESPIE AVE BECK PO Box:

BLDG 299 GILLESPIE AVE BECK PO Box:

City: ROCK ISLAND

ROCK ISLAND

State: IL

Zip Code: 61299

Country: US

State: IL

Zip Code: 61299

Country: US

FFL:

Contact / Condition

Problems

Estimate

History / Status

Shipping / Billing

Contact Information

Phone: NN

Fax:

Email:

Comments:

Received Condition

Poor

Condition
Notes:CSR
Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	3
A017	Scope Base	1
A057	Fit and Rear Sgt Base	1

Repair Search

Refresh

Close

naglet

8/22/2007

7:53 AM

CAPS

NUM

INS

SCRL



Inbox - Micr...

Calendar - M...

FW: Restrict...

Arms Service...



7:53 AM

Serial
Number:~~C6225091~~

Model: M24 SWS



RE00133022

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6521336.__0
FILE DATE AND TIME: 11/30/2007 12:15

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.010
The Average Y Centroid of the Five Target Set:	0.071
The Average Point of Impact of the Five Target Set:	0.071
The Average Mean Radius of the Five Target Set:	0.699
The Distance from POA to Centroid Target #1:	0.148
The Distance from Centroid Target #2 to Centroid Target #1:	0.064
The Distance from Centroid Target #3 to Centroid Target #1:	0.155
The Distance from Centroid Target #4 to Centroid Target #1:	0.207
The Distance from Centroid Target #5 to Centroid Target #1:	0.314

BARBER - M24 0099507

SERIAL NUMBER: C6521336. __0

TARGET NUMBER: 1

FILE DATE: 11/30/2007

FILE TIME: 12:15

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

1:	1.248	-0.006
----	-------	--------

2:	1.318	0.687
----	-------	-------

3:	0.639	0.047
----	-------	-------

4:	0.268	-0.378
----	-------	--------

5:	-0.187	0.482
----	--------	-------

6:	-0.578	0.003
----	--------	-------

7:	-0.763	-0.225
----	--------	--------

8:	-0.530	-0.675
----	--------	--------

9:	-1.478	0.182
----	--------	-------

10:	-1.076	0.821
-----	--------	-------

X CENTROID: -0.114

Y CENTROID: 0.094

POA TO CENTROID: 0.148

HORZ SPREAD: 2.796

VERT SPREAD: 1.496

GROUP SPREAD: 2.841

MIN RADIUS: 0.395

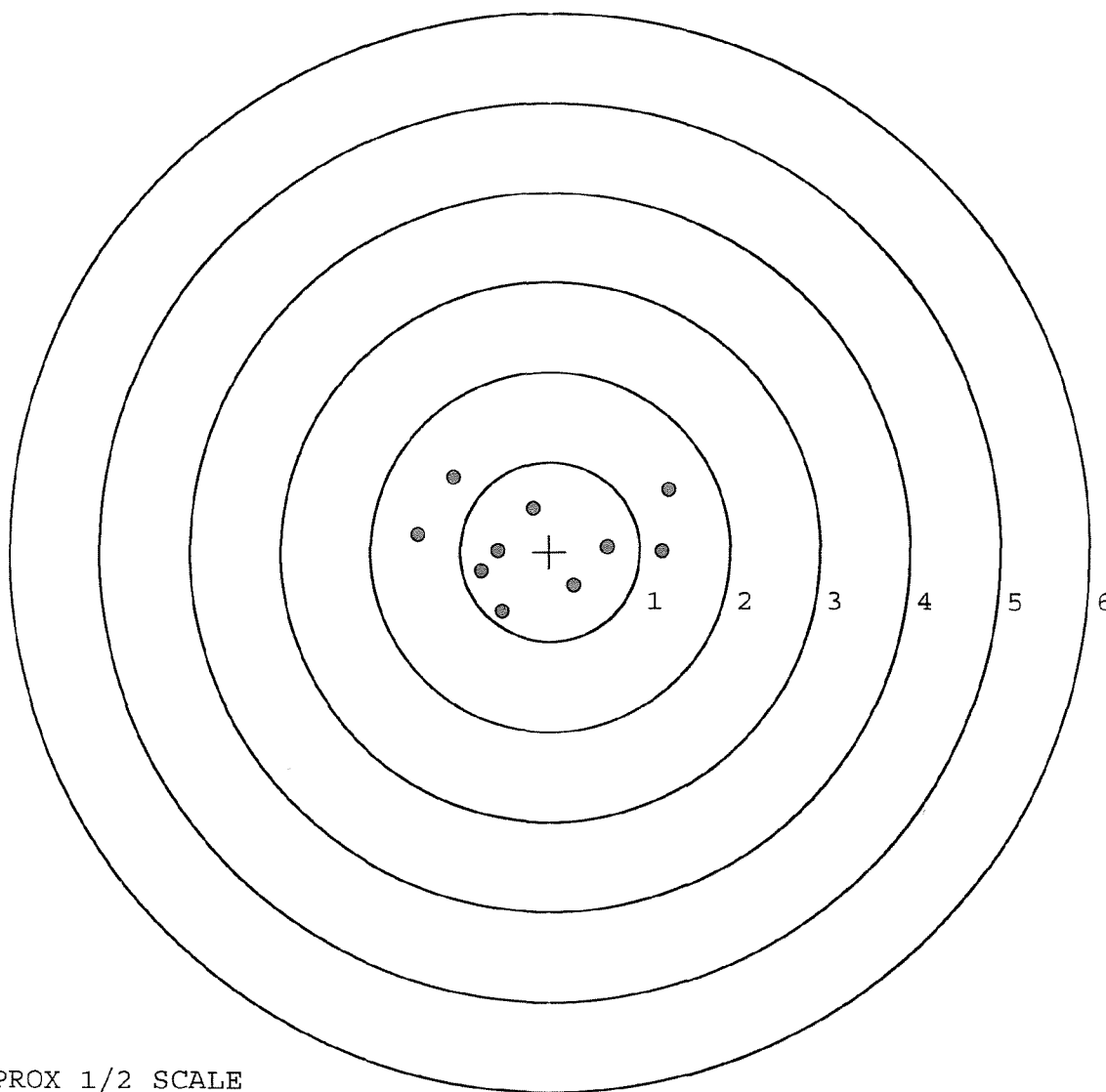
MAX RADIUS: 1.550

MEAN RADIUS: 0.932

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

BARBER - M24 0099508

SERIAL NUMBER: C6521336. __0

TARGET NUMBER: 2

FILE DATE: 11/30/2007

FILE TIME: 12:15

POINT#	X	Y
1:	0.256	-1.086
2:	-0.138	-0.349
3:	0.135	-0.393
4:	0.439	-0.151
5:	0.467	0.131
6:	-0.125	0.339
7:	-0.322	0.301
8:	-0.433	0.076
9:	-1.109	0.650
10:	-0.951	1.450

X CENTROID: -0.178

Y CENTROID: 0.097

POA TO CENTROID: 0.203

HORZ SPREAD: 1.576

VERT SPREAD: 2.536

GROUP SPREAD: 2.809

MIN RADIUS: 0.248

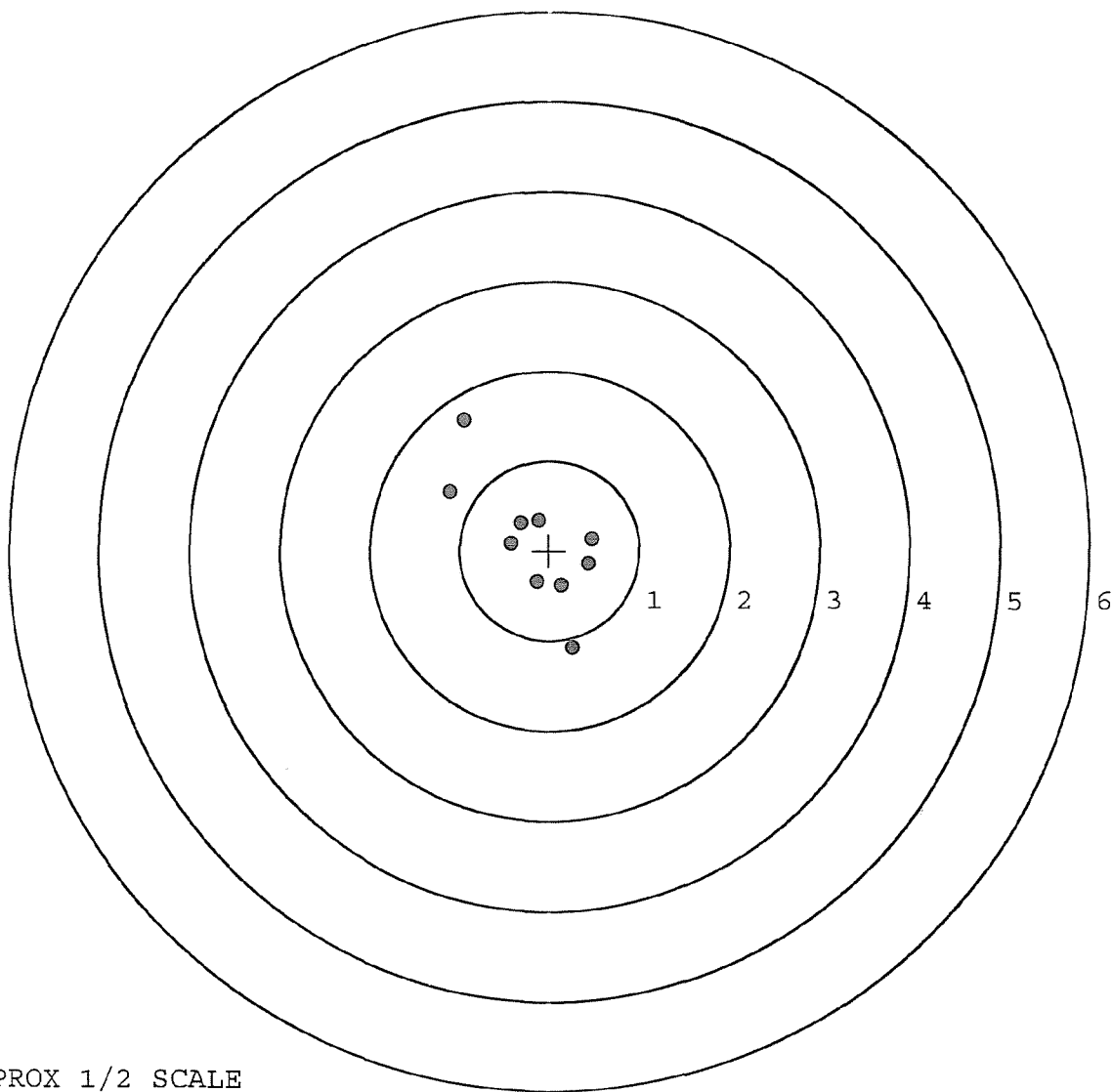
MAX RADIUS: 1.558

MEAN RADIUS: 0.699

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

BARBER - M24 0099509

SERIAL NUMBER: C6521336.___0

TARGET NUMBER: 3

FILE DATE: 11/30/2007

FILE TIME: 12:15

POINT#	X	Y
1:	0.193	0.836
2:	0.600	0.620
3:	0.413	0.456
4:	0.146	0.217
5:	0.140	-0.549
6:	-0.086	-0.537
7:	-0.038	-0.216
8:	-0.483	-0.329
9:	-0.781	-0.360
10:	-0.238	-0.374

X CENTROID: -0.013

Y CENTROID: -0.024

POA TO CENTROID: 0.027

HORZ SPREAD: 1.381

VERT SPREAD: 1.385

GROUP SPREAD: 1.693

MIN RADIUS: 0.194

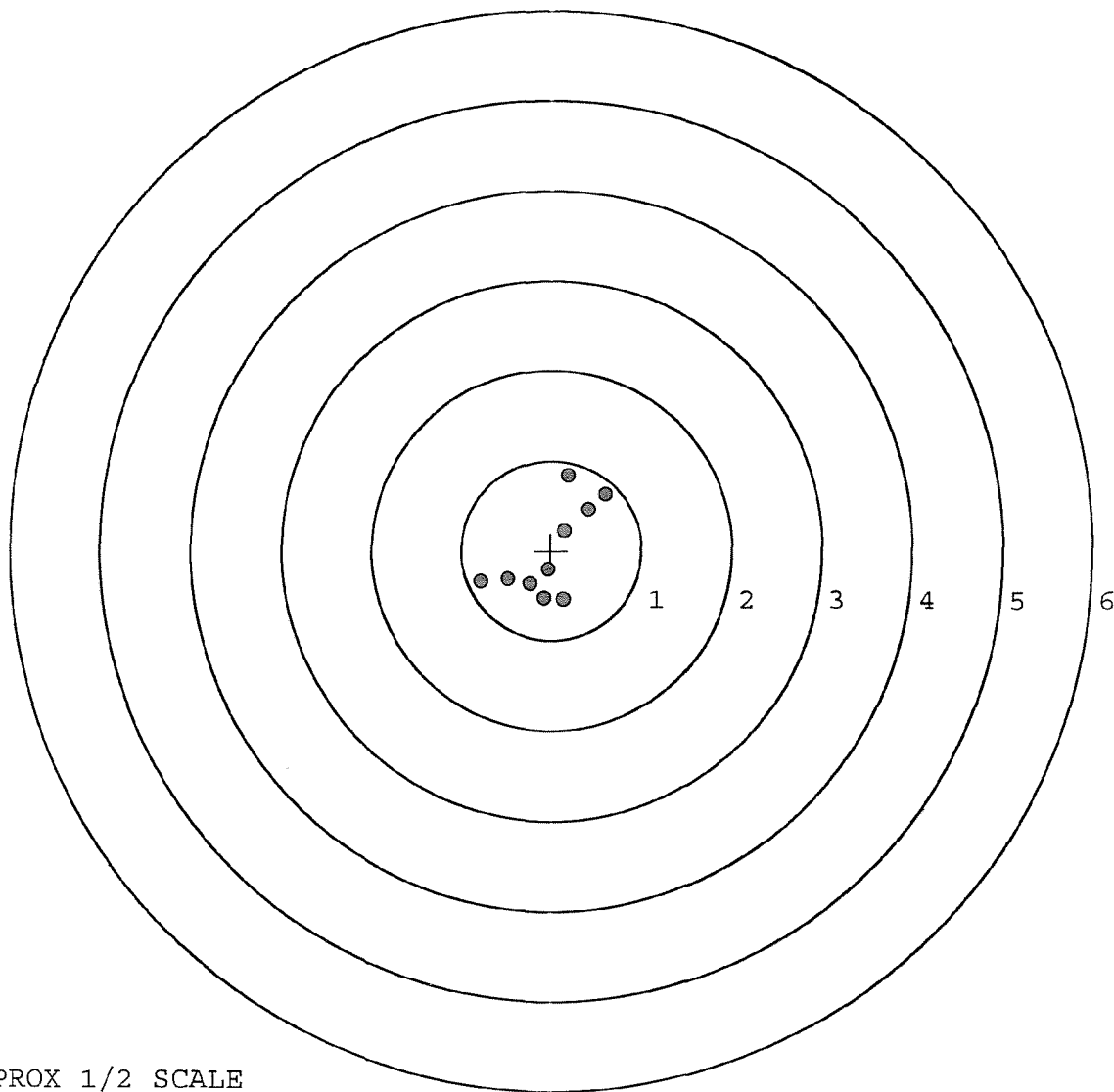
MAX RADIUS: 0.889

MEAN RADIUS: 0.578

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

BARBER - M24 0099510

SERIAL NUMBER: C6521336. __ 0

TARGET NUMBER: 4

FILE DATE: 11/30/2007

FILE TIME: 12:15

POINT#	X	Y
1:	1.190	-0.058
2:	0.478	0.304
3:	-0.047	0.663
4:	0.343	1.126
5:	-0.764	0.120
6:	-0.565	-0.186
7:	0.133	-0.195
8:	-0.179	-0.091
9:	-0.126	0.121
10:	0.228	0.093

X CENTROID: 0.069

Y CENTROID: 0.190

POA TO CENTROID: 0.202

HORZ SPREAD: 1.954

VERT SPREAD: 1.321

GROUP SPREAD: 1.962

MIN RADIUS: 0.186

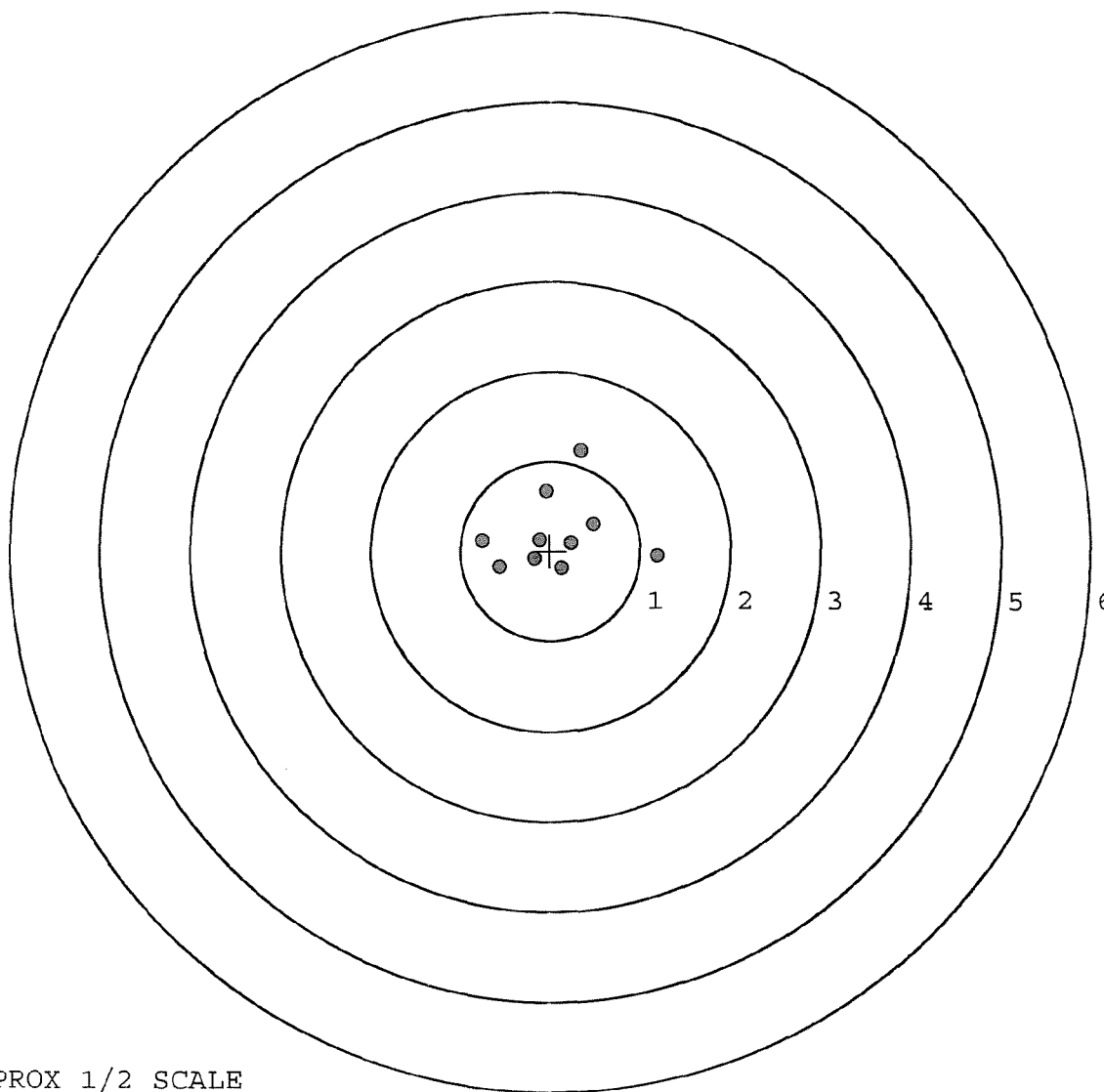
MAX RADIUS: 1.148

MEAN RADIUS: 0.577

IN 1 IN DIAMETER: 6

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

BARBER - M24 0099511

SERIAL NUMBER: C6521336. __0

TARGET NUMBER: 5

FILE DATE: 11/30/2007

FILE TIME: 12:15

POINT#	X	Y
1:	1.521	0.437
2:	0.895	0.412
3:	0.537	-0.103
4:	0.292	-0.816
5:	-0.318	-0.713
6:	-0.573	-0.443
7:	-0.092	0.015
8:	0.005	0.186
9:	0.135	0.458
10:	-0.554	0.536

X CENTROID: 0.185

Y CENTROID: -0.003

POA TO CENTROID: 0.185

HORZ SPREAD: 2.094

VERT SPREAD: 1.352

GROUP SPREAD: 2.271

MIN RADIUS: 0.261

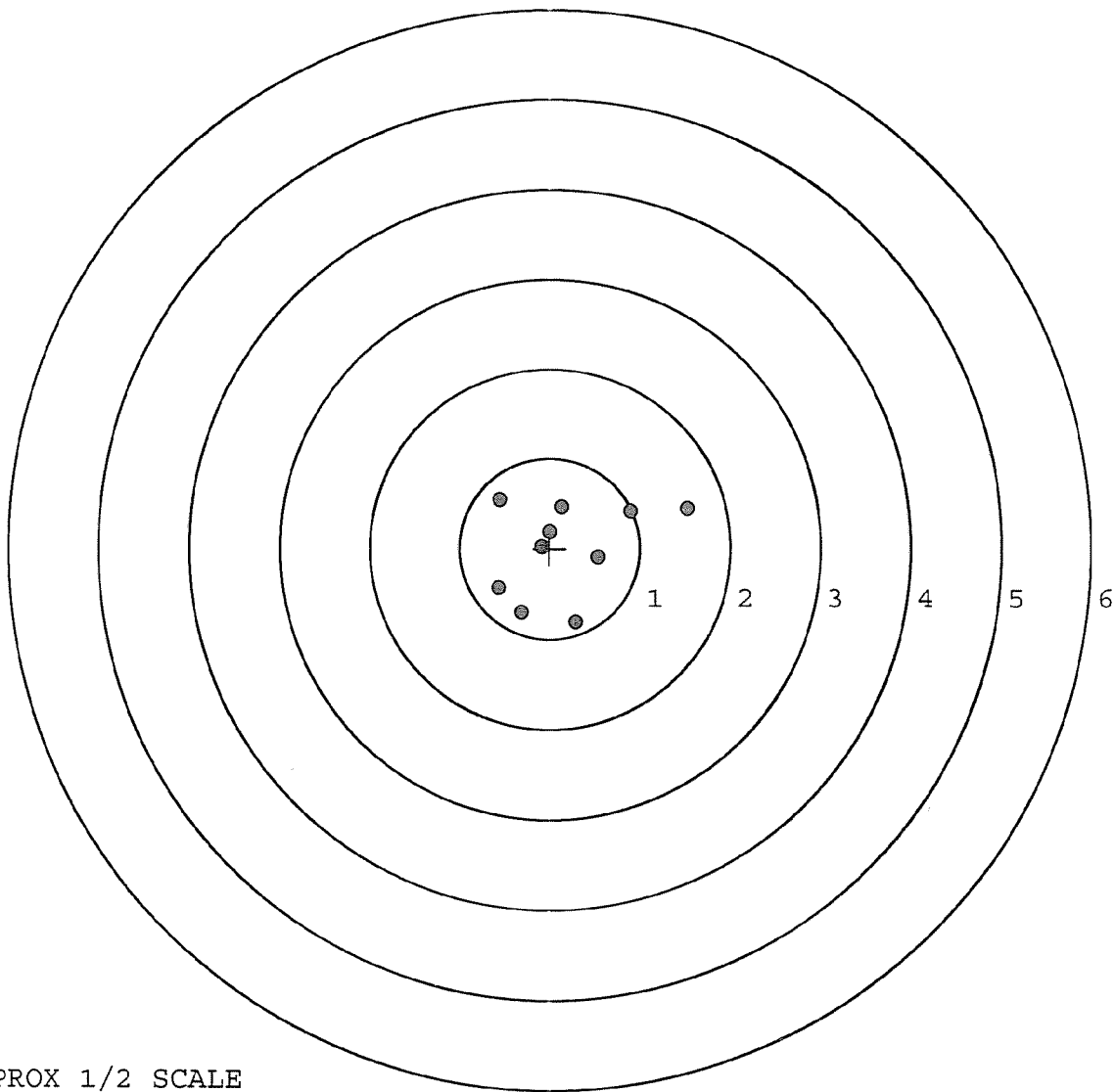
MAX RADIUS: 1.407

MEAN RADIUS: 0.708

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

R & E NUMBER	133022			
SERIAL NUMBER	C6225091 G6521336 (New)			
LOG-IN DATE	133022			
OPERATION #	OPERATION NAME		DATE	INITIAL
500	DIS-ASSEMBLE GUN		11-6-07	RTL
505	RE-BARREL			
560	ASSEMBLE		11-7-07	TRW
600	PROOF	MAGNA-FLUX	11-7-07	TRW
605	CHECK HEADSPACE	2007	11-7-07	TRW
610	DIS-ASSEMBLE GUN		11-08-07	J.P.R.
612	MAGNAFLUX	OPERATOR JB	11-14-07	JB
510	DRILL AND TAP		11-8-07	S.D
615	ROLLMARK CALIBER		11-3-07	CW
618	ROTO-BLAST		11-14-07	YH
620	APPLY COATINGS		11/27/07	TRW
625	FINAL ASSEMBLY		11-29-07	RTL
640	FUNCTION TEST AND	PASS FAIL	11-29-07	TRW
650	TARGET	PASS FAIL	11-29-07	TRW
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION	11-29-07	J.P.R.
670	FINAL INSPECTION		11-29-07	RTL
	A) HEADSPACE	PASS FAIL	11-29-07	RTL
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	2.18 2.17 2.18 2.01 2.01 11-29-07	RTL
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS MAX	5.0 5.0 5.25 11-29-07	RTL
	G) SAFETY OFF FORCE	2 LBS MIN	2.75 3.0 2.75 11-29-07	RTL
	I) FIRING PIN INDENT	.020	.022 .022 .022 11-29-07	RTL
690	PACK		11-30-07	RTL

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6225091

Score #
1188

OP.#	OP. NAME	READINGS	DATE	INITIAL
575 & 580	Assemble Action and stock	9 12 88		FB
600	Proof	9 19 88		RW
607	Check Headspace	9 19 88		RW
610	Dis-assemble gun	9 12 88		RW
612	Magnaflux Barrel Action		9-22-88	Pfl.
	Magnaflux Bolt		9-22-88	Pfl.
615	Rollmark Caliber		10/12	WC
617	Drill & Tap Sight Holes		10/12	FB
618	Polish Barrel		10/20	WT
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		11/9/88	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11/9/88	RW
	C) Inspect Ejector Hole for Chamfer		11/9/88	RW

OVER

OP.#		READINGS	DATE	INITIAL
625	D) Oil Firing Pin Ass'y		11/9/88	RW
cont.	E) Adjust Trigger Pull to Min. Setting and Stake		10/NOV/88	JSJ
	F) Safety on Force	4 : 4 : 4	11/NOV/88	JSJ
	G) Safety off Force	4 : 4 : 4	11/NOV/88	JSJ
	H) Trigger Pull Test & Retainability		10/NOV/88	JSJ
	I) Firing Pin Indent	1021 : 1021 : 1021	11/NOV/88	JSJ
	J) Assemble Stock		11/14/88	RW
	K) Attach Front & Rear Sight Assemblies		11/14/88	RW
	L) Iron Sight Alignment		11/14/88	RW
	M) Detach Front & Rear Sights & place in numbered container		11/14/88	RW
	N) Attach Scope to Rifle		11/14/88	W.B
	O) Detach & Attach Scope 20 times		11/14/88	W.B
640	Gallery Target & Test	71 R 81L	11/14/88	DH
	A) Optical Clarity of Scope		11/14/88	DH
645	Inspect for Live Ammo		11/14/88	DH
655	Final Inspection			
	A) Headspace		30/NOV/88	JSJ
	B) Trigger Pull	249 : 255 : 260	266 : 274	JSJ
	C) Function		30/NOV/88	JSJ
	D) Assemble Swivel Studs		30/NOV/88	JSJ
660	Pack		12/15/88	RW

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6225091

DATE 10/10/88

TESTER J. H. J. J.

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.52	2.56	2.75	2.49	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.48	2.57	2.73	2.55	
PULL #3	2.46	2.55	2.72	2.60	
PULL #4	2.44	2.55	2.77	2.66	
PULL #5	2.44	2.64	2.77	2.74	
TOTAL	12.34	12.87	13.71	13.04	
AVG.	2.468	2.574	2.742	2.608	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.00	3.03		
PULL #2	3.05	3.03		
PULL #3	3.05	3.02		
PULL #4	3.09	3.05		
PULL #5	3.09	3.05		
TOTAL	15.28	15.18		
AVG.	3.056	3.036		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.22	4.14		4.26
PULL #2	4.20	4.22		4.31
PULL #3	4.22	4.24		4.31
PULL #4	4.27	4.26		4.34
PULL #5	4.22	4.19		4.39
TOTAL	21.13	21.05		21.61
AVG.	4.226	4.21		4.322

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225091

CENTROIDAL DISTANCES

0 TO	1	.522031
1 TO	2	.786009
1 TO	3	.252438
1 TO	4	.520116
1 TO	5	.358176

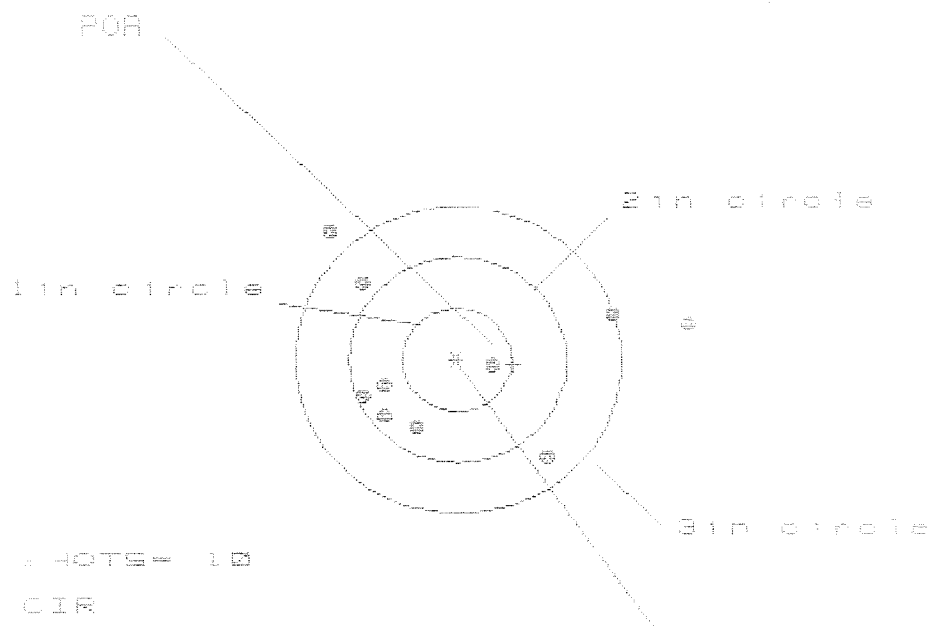
$\frac{1}{5} \sum_{i=1}^5$ <----PDR

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.1633
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0026
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .172038
THE AMR FOR THIS RIFLE IS: 1.043

AUG 1983

FILE:/PATTERNING/CENTERFIRE_PATT/C6285081

CENTERFIRE PATTERNS # 1



SHOTS = 10

IN CIR

1 in = 1

2 in = 5

3 in = 7

HS = 2.230

VS = 2.243

GS = 3.360

CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	2.095	1.681	1.569
MINIMUM X	-1.135	-0.903	-0.805
MAXIMUM Y	1.262	1.300	.937
MINIMUM Y	-0.981	-0.943	-0.781
CENTROID X	-0.520	-0.752	-0.640
CENTROID Y	.046	.008	-0.154
POA TO CENTROID in.	.522	.752	.638
MIN RADIUS	.287	.435	.436
MEAN RADIUS	1.125	.965	.872
MAX RADIUS	2.122	1.742	1.686
HORIZONTAL SPREAD	3.230	2.584	2.374
VERTICAL SPREAD	2.243	2.243	1.718
EXTREME SPREAD	3.360	2.953	2.497
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	7		

14 Nov 1986

FILE:/PATTERNING/CENTERFIRE_PATT/C6225651

CENTERFIRE PATTERNS # 2

POR

1 in circle

2 in circle

3 in circle

CENTROID +

OF SHOTS= 12

IN CIR

1 in = 5

2 in = 8

3 in = 9

PS= .977

VS= 2.995

GS= 3.008

PATTERN #

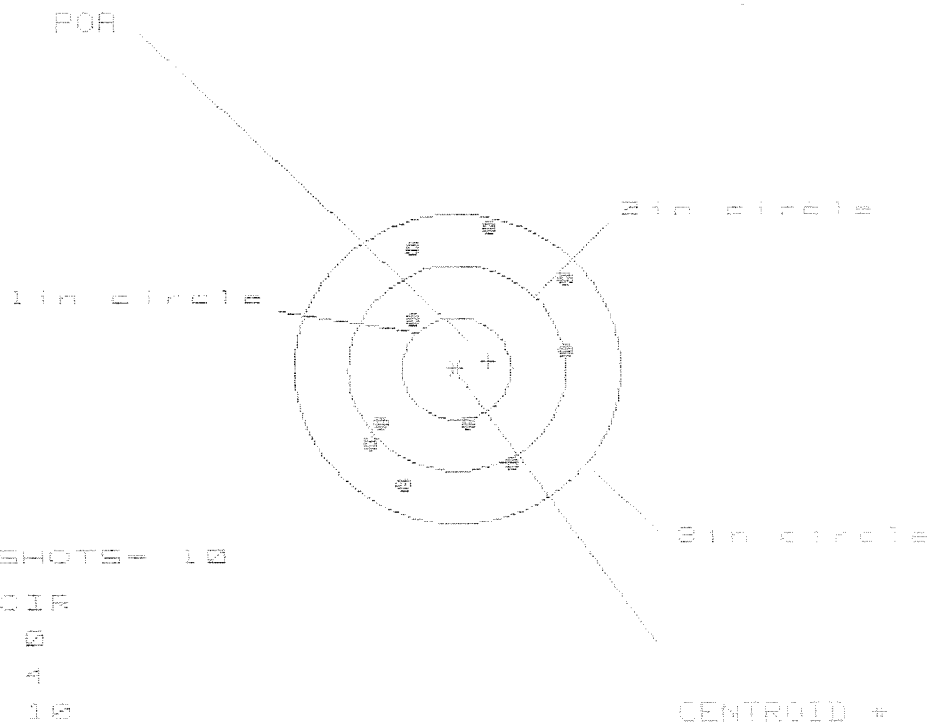
2

SHOTS (BEST OF)	10	9	8
MAXIMUM X	.438	.399	.397
MINIMUM X	-.547	-.578	-.581
MAXIMUM Y	1.491	1.324	.771
MINIMUM Y	-1.504	-.880	-.715
CENTROID X	.163	.194	.196
CENTROID Y	-.343	-.176	-.341
POR TO CENTROID in.	.388	.261	.394
MIN RADIUS	.109	.223	.081
MEAN RADIUS	.698	.624	.491
MAX RADIUS	1.529	1.324	.817
HORIZONTAL SPREAD	.977	.977	.977
VERTICAL SPREAD	2.995	2.284	1.486
EXTREME SPREAD	3.008	2.244	1.502
NUMBER IN ONE INCH CIRCLE =		5	
NUMBER IN TWO INCH CIRCLE =		8	
NUMBER IN THREE INCH CIRCLE =		9	

14 NOV 1988

FILE:/PATTERNING/CENTERFIRE_PATT/08225891

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1in = 0

2in = 4

3in = 10

HS= 1.798

VS= 2.511

GS= 2.646

PATTERN #

3

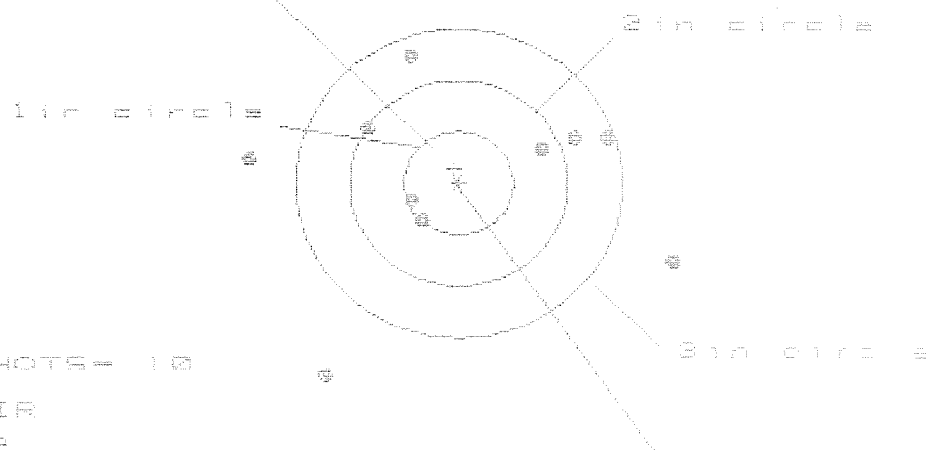
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.984	1.618	1.122
MINIMUM X	-.814	-.780	-.653
MAXIMUM Y	1.339	1.310	1.433
MINIMUM Y	-1.172	-1.024	-.901
CENTROID X	-.299	-.333	-.468
CENTROID Y	-.076	-.224	-.347
POA TO CENTROID in.	.308	.401	.576
MIN RADIUS	.528	.387	.336
MEAN RADIUS	1.029	.967	.879
MAX RADIUS	1.373	1.412	1.452
HORIZONTAL SPREAD	1.798	1.798	1.775
VERTICAL SPREAD	2.511	2.334	2.334
EXTREME SPREAD	2.646	2.496	2.336
NUMBER IN ONE INCH CIRCLE =		0	
NUMBER IN TWO INCH CIRCLE =		4	
NUMBER IN THREE INCH CIRCLE =		10	

14 Nov 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C8225091

CENTERFIRE PATTERNS # 4

FOR



OF SHOTS = 10

IN CIR

1 in = 2

2 in = 4

3 in = 7

HS = 3.977

VS = 3.104

GS = 4.098

CENTROID *

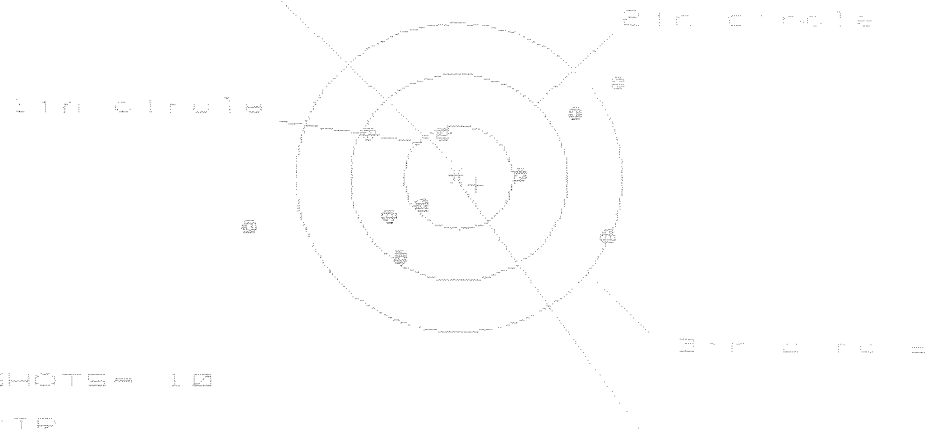
PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.993	1.854	1.457
MINIMUM X	-1.984	-2.123	-1.891
MAXIMUM Y	1.281	1.078	.957
MINIMUM Y	-1.823	-.972	-.708
CENTROID X	.035	.174	-.058
CENTROID Y	-.142	.061	.182
FOR TO CENTROID in.	.146	.184	.191
MIN RADIUS	.452	.649	.587
MEAN RADIUS	1.304	1.192	1.065
MAX RADIUS	2.209	2.123	1.894
HORIZONTAL SPREAD	3.977	3.977	3.348
VERTICAL SPREAD	3.104	2.050	1.665
EXTREME SPREAD	4.098	4.098	3.352
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		4	
NUMBER IN THREE INCH CIRCLE =		7	

14 Nov 1988

FILE:/PATTERNING/CENTERFIRE PATT/0522503

CENTERFIRE PATTERNS # 5

POA



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 6

3 in = 8

MEAN = 3.479

VS = 1.732

GC = 3.752

PATTERN #	1	5	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.568	1.298	1.258
MINIMUM X	-1.978	-1.098	-1.837
MAXIMUM Y	.963	.914	.761
MINIMUM Y	-.768	-.818	-.783
CENTROID X	-.168	.055	-.102
CENTROID Y	.075	.125	.010
POA TO CENTROID in.	.186	.136	.166
MIN RADIUS	.447	.343	.451
MEAN RADIUS	1.061	.958	.853
MAX RADIUS	2.020	1.581	1.375
HORIZONTAL SPREAD	3.479	2.388	2.193
VERTICAL SPREAD	1.732	1.732	1.404
EXTREME SPREAD	3.752	2.686	2.436
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		8	

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225091

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		8/18/93	RW
600	Proof		8/18/93	RW
607	Check Headspace		8/18/93	RW
610	Dis-assemble Gun		8/18/93	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		8/30/93	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/30/93	RW
	C) Inspect Ejector Hole for Chamfer		8/30/93	RW
	D) Oil Firing Pin Ass'y		8/30/93	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							
	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						8/30/93	RW
	A) Time							
	B) Malfunctions							
	C) Pierced Primers							
	D) Optical Clarity of Scope							
645	Inspect for Live Ammo						8/30/93	RW
655	Final Inspection						8/31/93	RW
	A) Headspace						8/31/93	RW
	B) Trigger Pull	2.27	2.21	2.18	2.21	2.27	8/31/93	RW
	C) Function						8/30/93	RW
660	Pack							

RECEIVING AND ESTIMATING REPORT

BARBER M24 0099524

COMMENTS

ORDER

R 93-16856

INITIAL FPS	CUSTOMER ORDER NO.	ATTN: FRED MARTIN M24 W/ULTRA 10X-M3A SCOPE W/HARD CASE, SCOPE MNTS				
DATE RECEIVED 08/17/93	DATE OPENED 08/17/93	DATE CODE DI 9-88	SERIAL NUMBER C6225091	NEW SERIAL NUMBER	MODEL AND GRADE 700 7.62	NATO
ACCESSORIES W/STUDS		SCOPE BASE				

FROM:

CDR, 1ST BN 75TH RANGER REGT
ATTN: B CO. 1/75 RGR
BLDG 1279A
HAAF

GA 31409

SHIP TO:

CDR, 1ST BN 75TH RANGER REGT
ATTN: B CO. 1/75 RGR
BLDG 1279A
HAAF

GA

31409

CUST NO: 059608 C.O.D L

ACCOUNT NUMBER	ACCOUNT NUMBER N/C	WRITE ☐	PROM. DATE	ESTIMATED	VIA UPS
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GUN CONDITION	REPAIR CHARGE
☐ NEW	EXCISE
☐ LIGHTLY WORN	TAX
☐ WORN	INSURANCE
☐ VERY WORN	UPS
☐ UNREPAIRABLE	PARCEL POST
☐ MARRED	TOTAL

CUSTOMER CONCERN	AMMO	FUNCTION	FINISH	ACCURACY	FIT	INSPECT
CYCLE	A1	B1				
TRIGGER GROUP		B2			F1	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 10,000 Rds on Gun
left side of Barrel Touches Stock

PARTS	COMMENTS
Barrel Assy - 96002	New Barrel Rebed Stock to fit Action Re-zinc - Scope Base, Scope Rings, Swivels & Swivel Studs Re-powder Coat - Floorplate, Latch, Trigger Guard, Front & Rear Sight Bases.
REPAIRMAN RW	PROOF ✓
GALLERY TESTER RW	DATE 8/18/93
	CLEAN ✓
	DATE 8/30/93
	TEST ✓
	DATE 8/30/93
	TARGET ✓
	DATE 8/30/93
	PATTERN
	DATE

OFFICE COPY

RD6925 REV. 1/92

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 009952499563



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>BCG 1/55 RGR RGT</i>		B. LOCATION <i>BLDG 1279A HAAF GA 31409</i>		C. UNIT IDENT CODE <i>WHL380</i>	
2. SERIAL NO. <i>C6225091</i>		3. NOUN NOMENCLATURE <i>7.62 mm Rifle</i>		4. LINE NO. <i>R95387</i>	5. MODEL <i>M24</i>	6. NATIONAL STOCK NUMBER <i>1055-01-240-2136</i>	
7A. MAINTENANCE ACTIVITY		B. LEVEL	8. UTILIZATION CODE	9A. MCSR ITEM	9B. ERC	9C. PACING ITEM	10. HOURS
							11. MILES
							12. ROUNDS <i>10,000+</i>
							13. STARTS
14. FAILURE DETECTED DURING (Select one - use ☒ or X)				15. FIRST INDICATION OF TROUBLE (Select one - use ☒ or X)			
☐ A Sch. Main. ☐ B Handling		☐ C Test ☒ D Normal Op		☐ E Storage ☐ F Inspection		☐ G Flight ☐ H Other	
				☐ 068 Inoperative ☐ 008 Noisy		☐ 258 Overheating ☒ 387 Low Performance	
16A. DESCRIBE DEFICIENCIES OR SYMPTOMS ON THE BASIS OF COMPLETE CHECKOUT AND DIAGNOSTIC PROCEDURE IN EQUIPMENT TM (Do not prescribe repairs). <i>Fired over 10,000 Rounds</i> <i>Left side of Barrel touches Stock</i>							
B. REMARKS <i>Scope #881188</i>							
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 (1) CB CODE	DEPARTMENT OF THE ARMY <i>Cdr 1/55 RGR</i> <i>ATTN: BCG 1/55 RGR BLDG 1279A</i> <i>HAAF GA 31409-5120</i> OFFICIAL BUSINESS PENALTY FOR PRIVATE USE, \$300 Remington Arms Company, Inc ATTN: Fabricated Products Department 14 Hoeftler Avenue Hion, New York 13357-1816 Contract No.: DAAA09-92-C-08		G. TY.		H. PARTS COST
						\$	
						\$	
						\$	
						\$	
						\$	
						\$	
						\$	
R REGISTERED MAIL R 418 454 834			RETURN RECEIPT REQUESTED		F.		
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		24. RECEIVED BY		25. WORK STARTED BY		26. INSPECTED BY	
JULIAN DATE		JULIAN DATE		JULIAN DATE		JULIAN DATE	
<i>93106</i>							
27. ACCEPTED BY		28. DISPOSITION (Select One)		☐ A To User ☐ B To Stock ☐ C Salvaged		☐ D Evacuated ☐ E Cannibalization	

Final Inspection

In: C6225091

DATE REC'D: 8/17/93

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: New Barrel /

OVER 10,000 Rds on old

Barrel

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06225091
31 Aug 1993

CENTROIDAL DISTANCES

0 TO	1	.439878
1 TO	2	.430593
1 TO	3	.66247
1 TO	4	.154305
1 TO	5	.57401

$\sum_{i=1}^n x_i^2$ <----POA

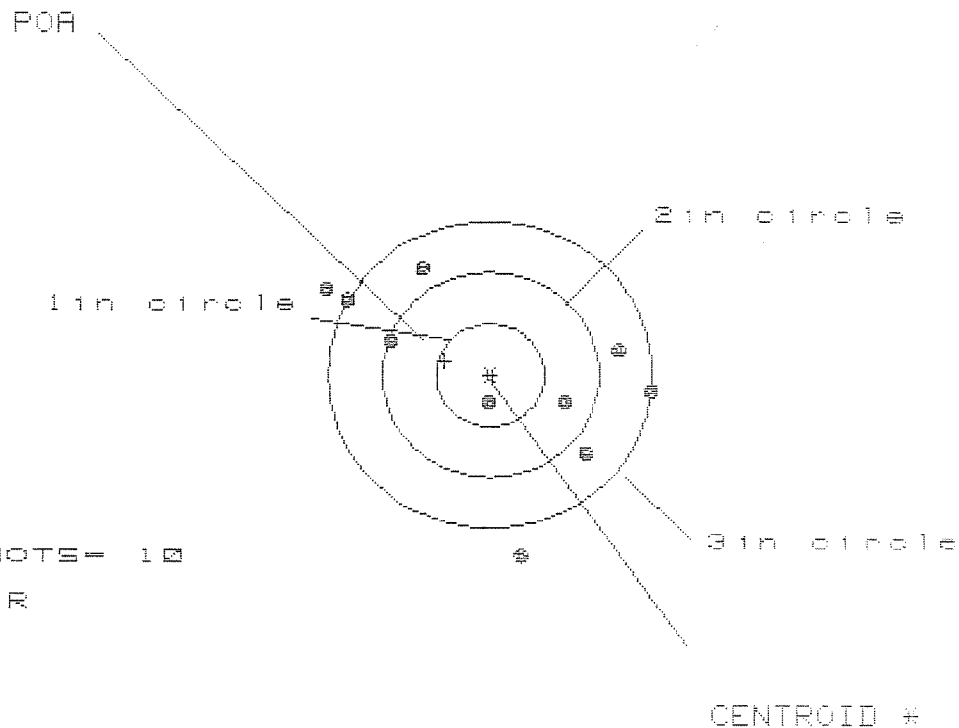
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .209
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.14
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .251557
THE AMR FOR THIS RIFLE IS: 1.021

31 Aug 1993

FILE:/PATTERNING/CENTERFIRE_PATT/06225081

CENTERFIRE PATTERNS

1



OF SHOTS= 10

IN CIR

1in = 1

2in = 2

3in = 7

HS= 2.850

VS= 2.774

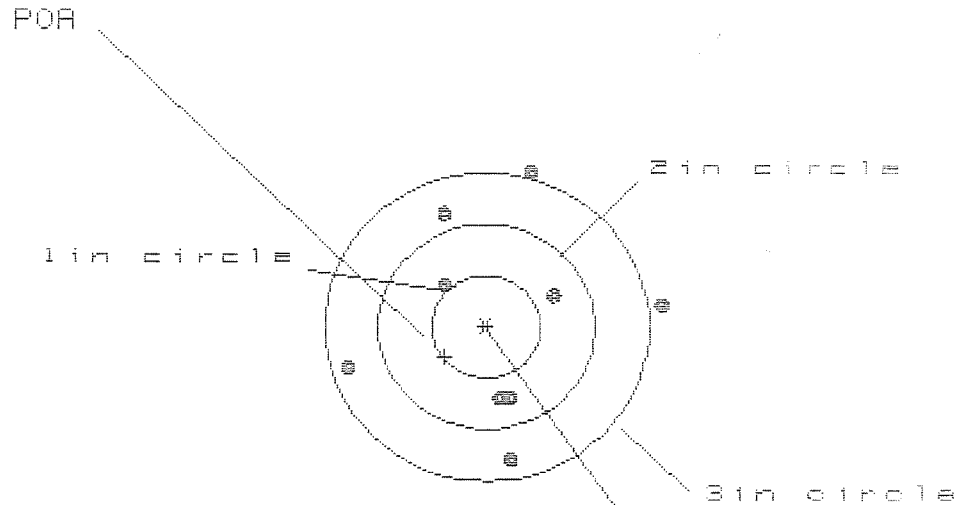
GS= 3.136

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.456	1.486	1.383
MINIMUM X	-1.494	-1.464	-1.511
MAXIMUM Y	1.061	.870	.956
MINIMUM Y	-1.713	-.943	-.857
CENTROID X	.418	.388	.571
CENTROID Y	-.137	.054	-.032
POA TO CENTROID in.	.439	.391	.572
MIN RADIUS	.296	.488	.422
MEAN RADIUS	1.211	1.160	1.073
MAX RADIUS	1.734	1.615	1.632
HORIZONTAL SPREAD	2.950	2.950	2.814
VERTICAL SPREAD	2.774	1.813	1.813
EXTREME SPREAD	3.136	3.136	2.959
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	2		
NUMBER IN THREE INCH CIRCLE =	7		

31 Aug 1993

FILE:/PATTERNING/CENTERFIRE_PATT/C6225091

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1 in = 0

2 in = 4

3 in = 8

HS= 2.940

VS= 2.725

GS= 2.002

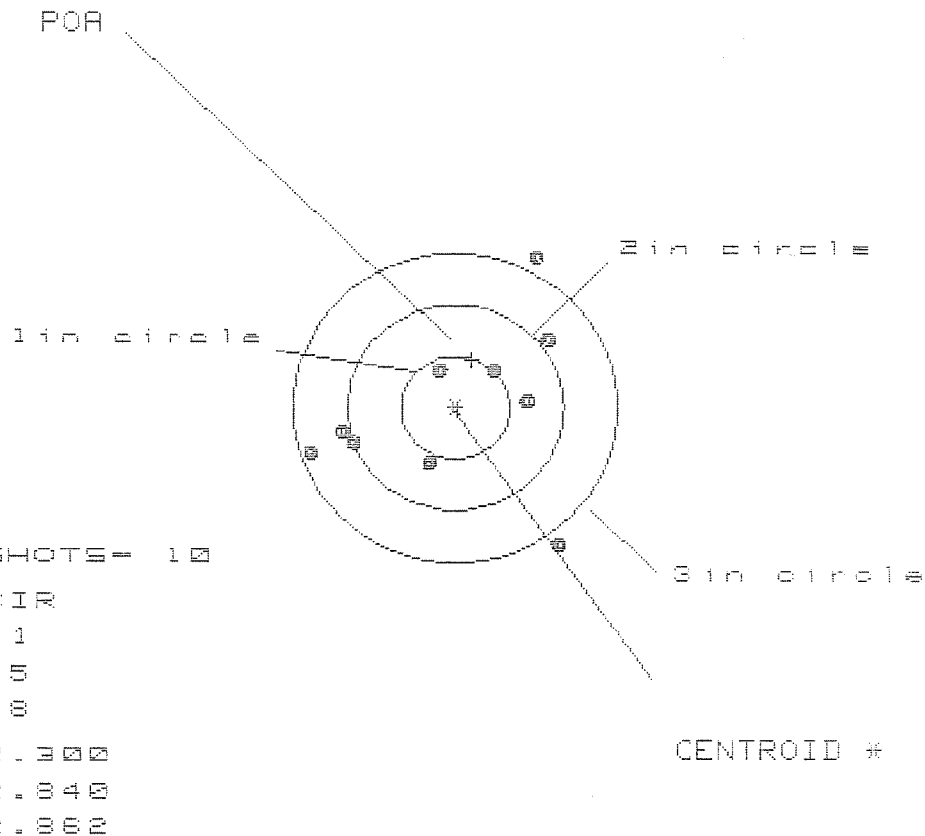
CENTROID *

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.658	.844	.922
MINIMUM X	:	-1.282	-1.098	-1.020
MAXIMUM Y	:	1.460	1.483	1.338
MINIMUM Y	:	-1.265	-1.242	-1.057
CENTROID X	:	.381	.197	.119
CENTROID Y	:	.292	.269	.084
POA TO CENTROID in.	:	.480	.334	.146
MIN RADIUS	:	.540	.458	.615
MEAN RADIUS	:	1.107	1.032	.943
MAX RADIUS	:	1.670	1.608	1.346
HORIZONTAL SPREAD	:	2.940	1.942	1.942
VERTICAL SPREAD	:	2.725	2.725	2.395
EXTREME SPREAD	:	3.002	2.734	2.477
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		8	

31 Aug 1993

FILE:/PATTERNING/CENTERFIRE_PATT/08225091

CENTERFIRE PATTERNS # 3



PATTERN #	3
SHOTS (BEST OF)	10
MAXIMUM X	.980
MINIMUM X	-1.320
MAXIMUM Y	1.474
MINIMUM Y	-1.366
CENTROID X	-.157
CENTROID Y	-.466
POA TO CENTROID in.	.492
MIN RADIUS	.380
MEAN RADIUS	1.009
MAX RADIUS	1.681
HORIZONTAL SPREAD	2.300
VERTICAL SPREAD	2.840
EXTREME SPREAD	2.862
NUMBER IN ONE INCH CIRCLE =	1
NUMBER IN TWO INCH CIRCLE =	5
NUMBER IN THREE INCH CIRCLE =	8

31 Aug 1993

FILE:/PATTERNING/CENTERFIRE_PATT/06225091

CENTERFIRE PATTERNS

4

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS = 10

IN CIR

1in = 0

2in = 5

3in = 10

HE = 2.290

VS = 2.281

GE = 2.862

PATTERN #

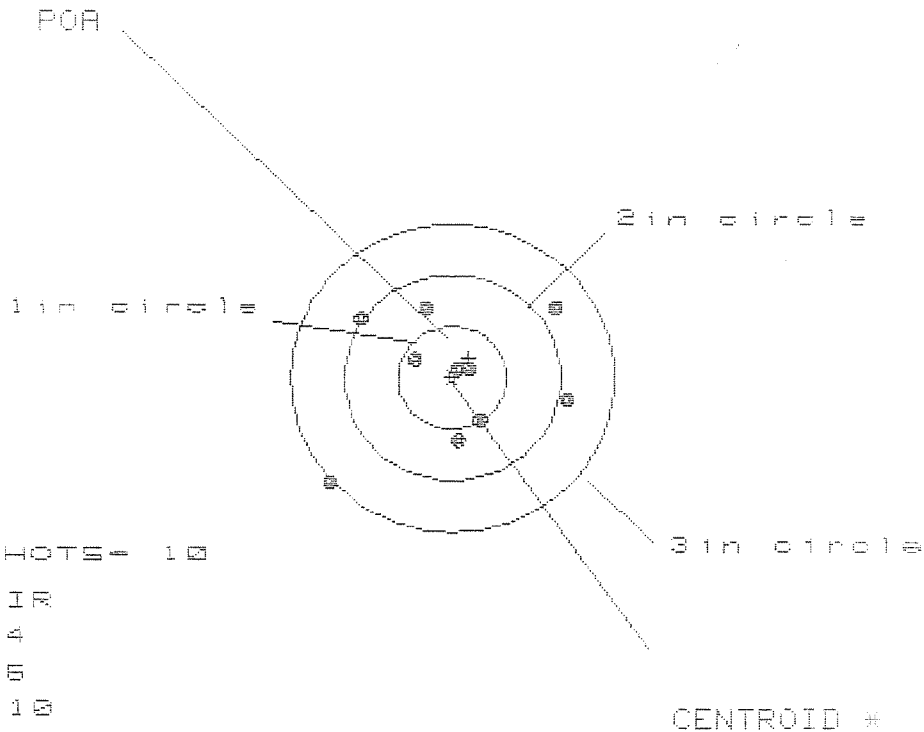
4

SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.219	1.089	1.042
MINIMUM X	:	-1.171	-.838	-.885
MAXIMUM Y	:	.887	.786	.600
MINIMUM Y	:	-1.395	-1.495	-.879
CENTROID X	:	.557	.687	.734
CENTROID Y	:	-.204	-.103	.083
POA TO CENTROID in.	:	.593	.695	.739
MIN RADIUS	:	.627	.675	.635
MEAN RADIUS	:	1.041	.984	.901
MAX RADIUS	:	1.478	1.542	1.080
HORIZONTAL SPREAD	:	2.390	1.927	1.927
VERTICAL SPREAD	:	2.281	2.281	1.479
EXTREME SPREAD	:	2.862	2.600	2.070
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		10	

31 Aug 1993

FILE:/PATTERNING/CENTERFIRE_PATT/C6225001

CENTERFIRE PATTERNS # 5



OF SHOTS = 10

IN CIR

1 in = 4

2 in = 6

3 in = 10

HS = 2.200

VS = 1.700

GS = 2.600

PATTERN #	5		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.091	.967	1.069
MINIMUM X	-1.111	-.957	-.855
MAXIMUM Y	.724	.615	.684
MINIMUM Y	-.982	-.764	-.695
CENTROID X	-.154	-.031	-.133
CENTROID Y	-.185	-.076	-.145
POA TO CENTROID in.	.241	.082	.197
MIN RADIUS	.126	.033	.086
MEAN RADIUS	.738	.632	.586
MAX RADIUS	1.483	1.064	1.111
HORIZONTAL SPREAD	2.202	1.924	1.924
VERTICAL SPREAD	1.706	1.379	1.379
EXTREME SPREAD	2.630	2.098	2.098
NUMBER IN ONE INCH CIRCLE =		4	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		10	