

G6360880
Replaced
C-6225117

Repair Inquiry

Repair Number: RE00092945

Serial: C6225117 Model: M24 SWS Center Fire
Caliber: 7.62 NATO Produced: 10/23/1996

Repairman:

Verify Repair:

Status:

Closed 2/10/2005 1:14:26 PM

Address Information

Customer

Received From

Return To

Received From

Name: DEF DIST DEPOT ANNISTON

DEF DIST DEPOT ANNISTON

Address 1:

Address 2:

PO Box

PO Box

City: ANNISTON

ANNISTON

State: AL

Zip Code: 362014199

Country: US

State: AL

Zip Code: 362014199

Country: US

FFL

Contact / Condition

Problems

Estimate

History / Status

Shipping / Billing

Contact Information

Phone:

Fax:

Email:

Comments:

Received Condition

Good

Condition

Notes:

CSR

Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	3
A010	Hard Case	1
A017	Scope Base	1
A025	Scope	1
A057	Front and Rear Sct Base	1

Repair Search

Refresh

Close

haclet

2/14/2005

9:19 AM

CAPS

NUM

INS

SCPL

start

5

2

4

M24 SWS

Serial Number:

C6225117

Model: M24 SWS



RE00092945

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: G6360880.___0

FILE DATE AND TIME: 06/14/2005 10:05

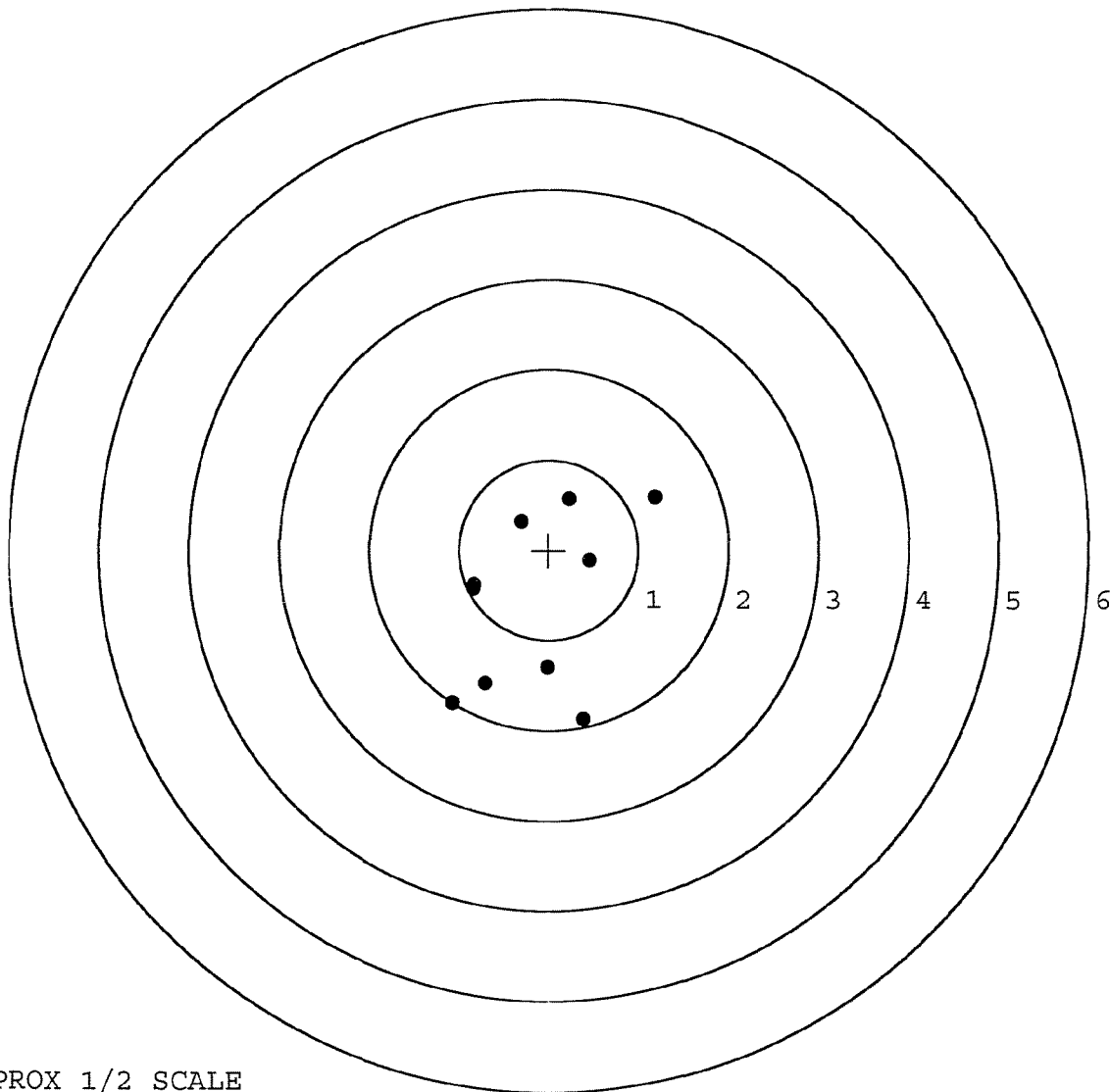
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.019
The Average Y Centroid of the Five Target Set:	-0.142
The Average Point of Impact of the Five Target Set:	0.143
The Average Mean Radius of the Five Target Set:	0.750
The Distance from POA to Centroid Target #1:	0.603
The Distance from Centroid Target #2 to Centroid Target #1:	0.807
The Distance from Centroid Target #3 to Centroid Target #1:	0.557
The Distance from Centroid Target #4 to Centroid Target #1:	0.520
The Distance from Centroid Target #5 to Centroid Target #1:	0.539

SERIAL NUMBER: G6360880. 0
 TARGET NUMBER: 1
 FILE DATE: 06/14/2005
 FILE TIME: 10:05

POINT#	X	Y
1:	-0.839	-0.381
2:	0.384	-1.885
3:	-0.019	-1.307
4:	-0.712	-1.486
5:	-1.078	-1.700
6:	-0.843	-0.428
7:	1.177	0.592
8:	-0.308	0.321
9:	0.223	0.567
10:	0.455	-0.118

X CENTROID: -0.156
 Y CENTROID: -0.582
 POA TO CENTROID: 0.603
 HORZ SPREAD: 2.255
 VERT SPREAD: 2.477
 GROUP SPREAD: 3.215
 MIN RADIUS: 0.704
 MAX RADIUS: 1.777
 MEAN RADIUS: 1.074
 # IN 1 IN DIAMETER: 0
 # IN 2 IN DIAMETER: 5
 # in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

BARBER - M24 0084392

SERIAL NUMBER: G6360880. __0

TARGET NUMBER: 2

FILE DATE: 06/14/2005

FILE TIME: 10:05

POINT#	X	Y
1:	1.309	0.024
2:	0.883	0.114
3:	0.169	-0.038
4:	0.208	-0.484
5:	0.296	-0.730
6:	-0.434	-0.430
7:	0.454	0.797
8:	-0.087	0.698
9:	-0.102	1.169
10:	0.386	-0.339

X CENTROID: 0.308

Y CENTROID: 0.078

POA TO CENTROID: 0.318

HORZ SPREAD: 1.743

VERT SPREAD: 1.899

GROUP SPREAD: 1.940

MIN RADIUS: 0.181

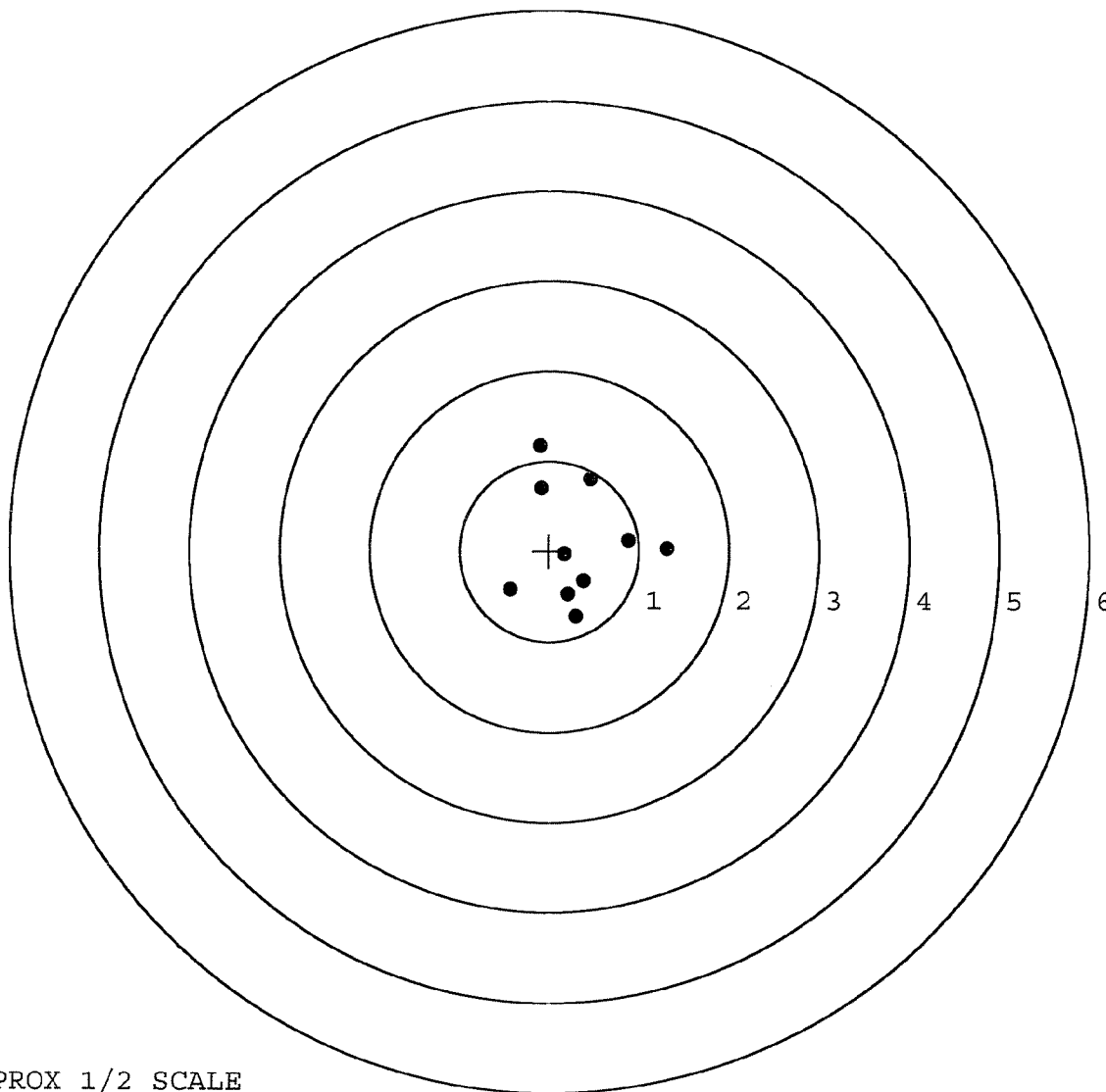
MAX RADIUS: 1.165

MEAN RADIUS: 0.710

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

BARBER - M24 0084393

SERIAL NUMBER: G6360880. __0

TARGET NUMBER: 3

FILE DATE: 06/14/2005

FILE TIME: 10:05

POINT#	X	Y
1:	0.004	-0.002
2:	1.102	-0.586
3:	0.343	1.079
4:	0.262	0.389
5:	-0.254	0.420
6:	-0.636	-0.606
7:	-0.345	-0.353
8:	-0.004	-0.719
9:	0.158	-0.259
10:	0.356	-0.229

X CENTROID: 0.099

Y CENTROID: -0.087

POA TO CENTROID: 0.131

HORZ SPREAD: 1.738

VERT SPREAD: 1.798

GROUP SPREAD: 1.949

MIN RADIUS: 0.127

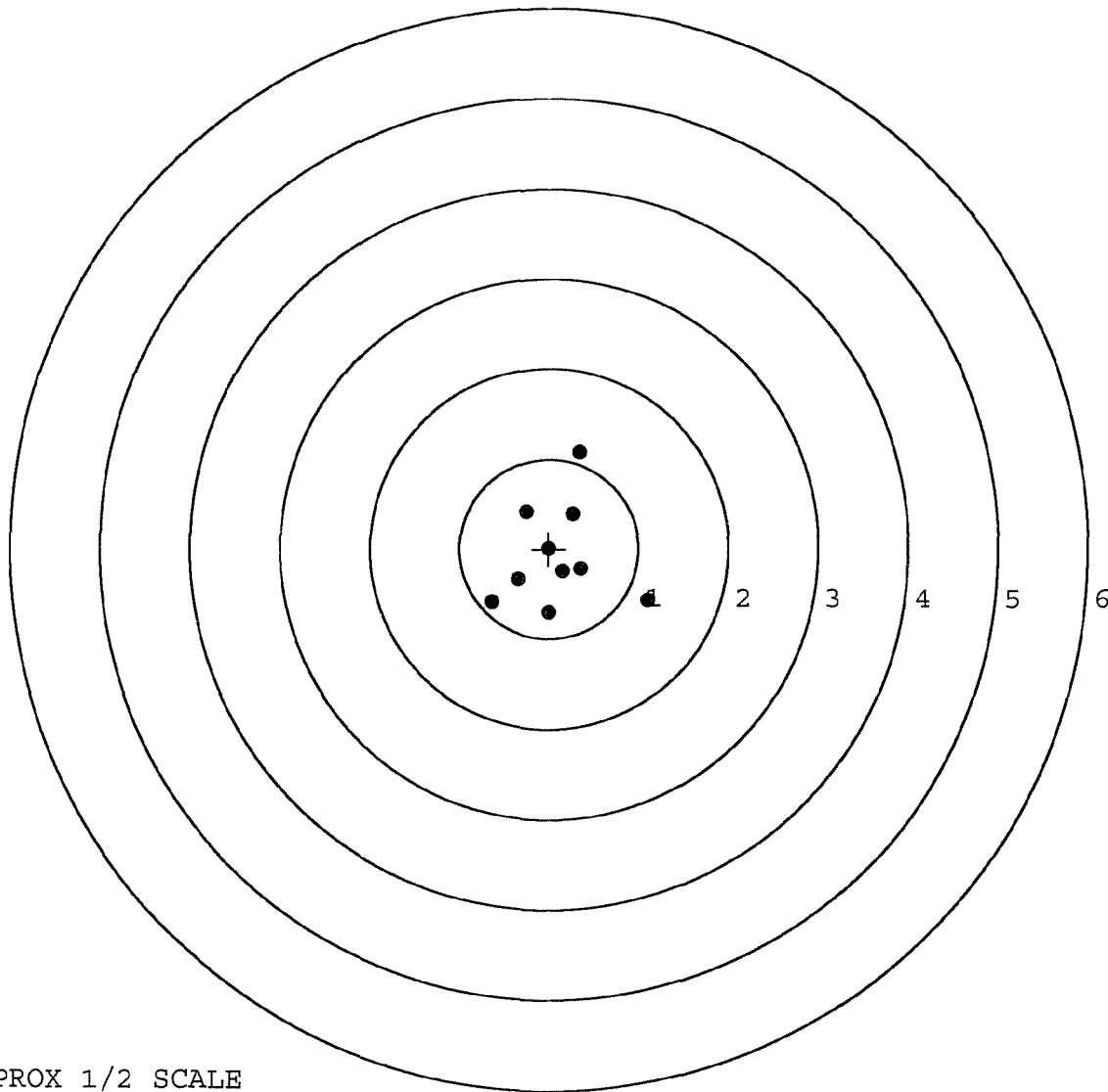
MAX RADIUS: 1.191

MEAN RADIUS: 0.609

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

BARBER - M24 0084394

SERIAL NUMBER: G6360880. 0

TARGET NUMBER: 4

FILE DATE: 06/14/2005

FILE TIME: 10:05

POINT#	X	Y
1:	1.097	0.369
2:	0.325	-0.676
3:	-1.171	0.624
4:	-0.379	-0.433
5:	-0.153	-0.391
6:	0.061	-0.142
7:	-0.275	-0.160
8:	0.003	0.337
9:	-0.211	-0.037
10:	-0.235	-0.155

X CENTROID: -0.094

Y CENTROID: -0.066

POA TO CENTROID: 0.115

HORZ SPREAD: 2.268

VERT SPREAD: 1.300

GROUP SPREAD: 2.282

MIN RADIUS: 0.121

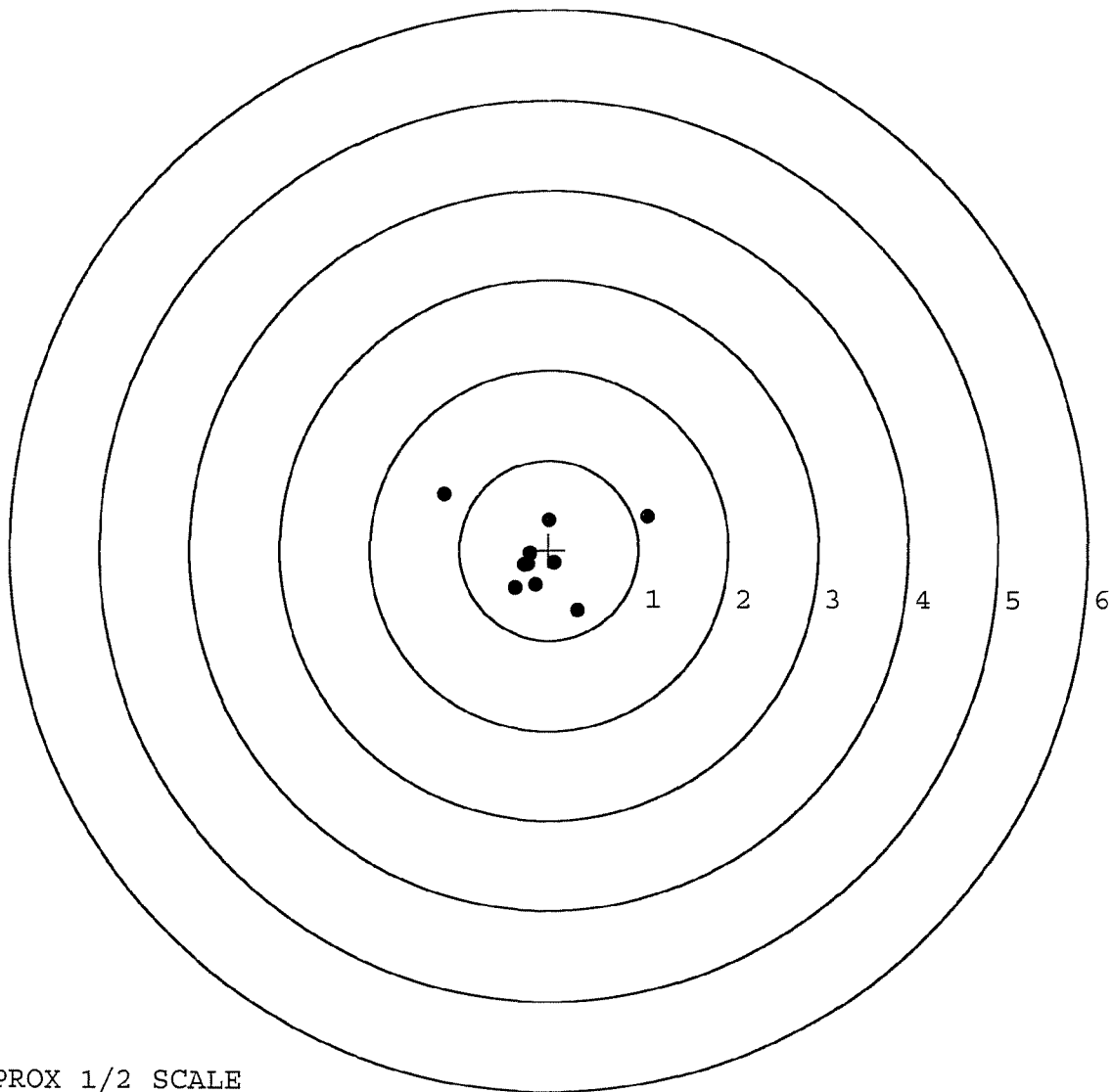
MAX RADIUS: 1.279

MEAN RADIUS: 0.516

IN 1 IN DIAMETER: 7

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

BARBER - M24 0084395

SERIAL NUMBER: G6360880. 0

TARGET NUMBER: 5

FILE DATE: 06/14/2005

FILE TIME: 10:05

POINT#	X	Y
1:	-0.702	-0.701
2:	-1.035	-0.273
3:	-0.384	-0.033
4:	0.206	-0.255
5:	0.395	-0.085
6:	0.839	0.208
7:	0.548	-0.879
8:	0.531	0.964
9:	-0.354	1.249
10:	-0.685	-0.711

X CENTROID: -0.064

Y CENTROID: -0.052

POA TO CENTROID: 0.082

HORZ SPREAD: 1.874

VERT SPREAD: 2.128

GROUP SPREAD: 2.311

MIN RADIUS: 0.320

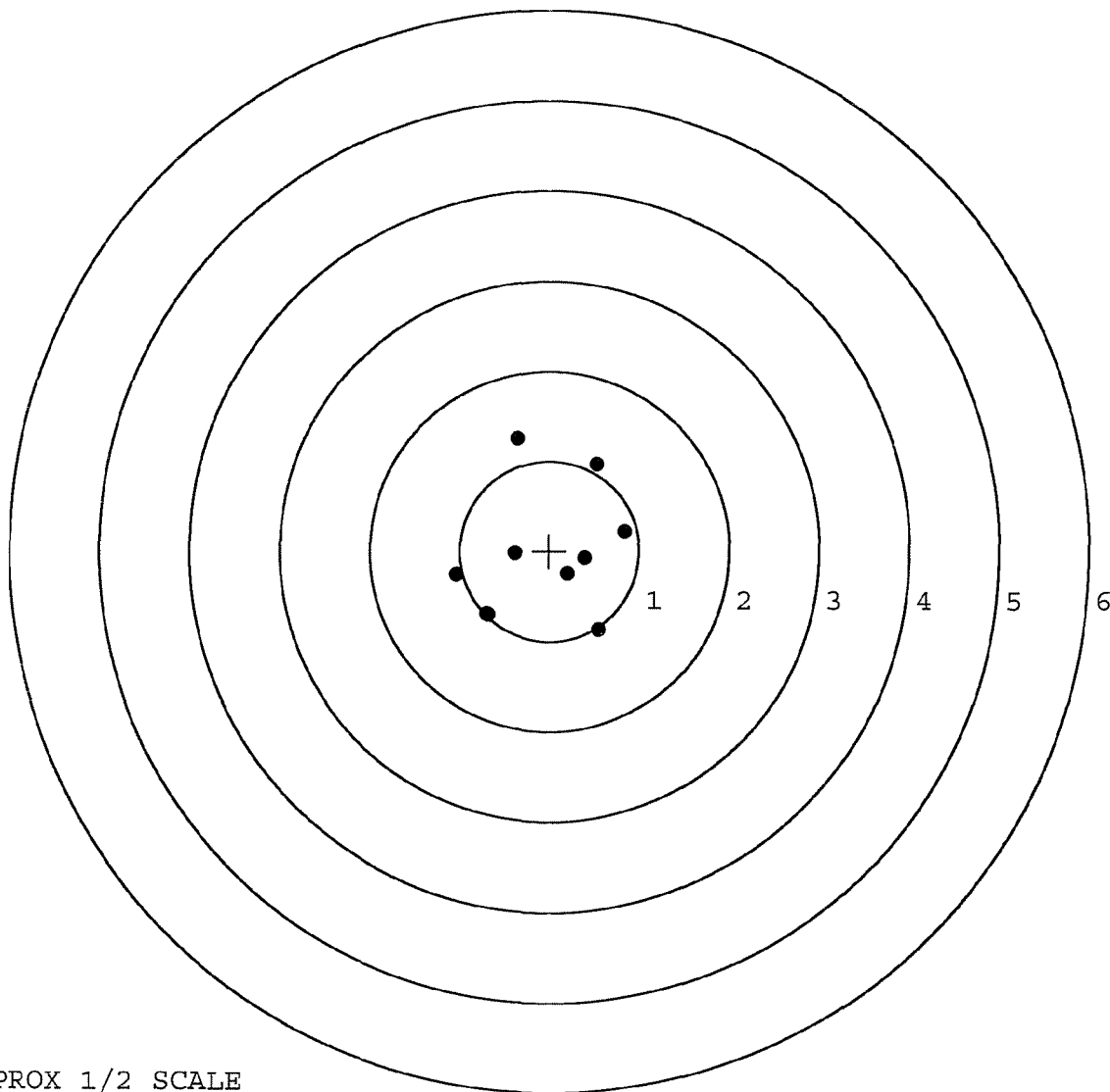
MAX RADIUS: 1.333

MEAN RADIUS: 0.841

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

R & E NUMBER	92945		
SERIAL NUMBER	C6225H7	C6360880	New
LOG-IN DATE	2-10-05		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	4-26-05	RTZ
560 A	RE-BARREL	5-3-05	RTZ
B	DRILL AND TAP	5-5-05	TRW
575	ASSEMBLE	5-3-05	RTZ
600	PROOF	5-4-05	AC
605	CHECK HEADSPACE	5-4-05	AC
610	DIS-ASSEMBLE GUN	5-3-05	RTZ
612	MAGNAFLUX		
615	ROLLMARK CALIBER	5-9-05	CW
618	ROTO-BLAST	5-9-05	LB
620	APPLY COATINGS	5-16-05	W
625 A	FINAL ASSEMBLY	6-9-05	RTZ
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE	6-28-05	AC
D	SAFETY "OFF" FORCE	6-28-05	AC
E	FIRING PIN INDENT	6-28-05	AC
640	TARGET	6-14-05	AC
655	FINAL INSPECT	6-28-05	AC
660	PACK	9-7-05	DA
		SHIP DATE	
QAR INSPECTION DATE			

RECEIVING AND ESTIMATING REPORT

COMMENTS

ORDER
R 93-15586

INITIAL CUSTOMER ORDER NO.

ATTN: FRED MARTIN M-24 W/10X-M3A SCOPE

FPS

DATE RECEIVED	DATE OPENED	DATE CODE	SERIAL NUMBER	NEW SERIAL NUMBER	MODEL AND GRADE
07/21/93	07/21/93	PM 6-92	C6225117		700 7.62 NATO
ACCESSORIES	W/STUDS	W/SWIVELS	HARD CASE	SCOPE MNTS	SCOPE BASE

FROM:

SHIP TO:

CONSOLIDATED EQUIP POOL
ATTN TERRY MAJORS
FT BENNING GA 31905

CONSOLIDATED EQUIP POOL
ATTN TERRY MAJORS
FT BENNING GA 31905

CUST NO: 059697 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
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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	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 0084397 4436

MAINTENANCE REQUEST				PAGE NO. 1	NO. OF PAGES 1	REQUIREMENTS CONTROL SYMBOL CSGLD - 1047(R1)			
SECTION I - EQUIPMENT DATA									
CONTROL NUMBER		WORK ORDER NO.		WESDC		ORG. PD 03		PD AUTHENTICATION <i>[Signature]</i>	
☒ Work Request ☐ MWO ☐ Warranty Claim		1A. ORGANIZATION <i>Consolidated Equip Pool</i>		B. LOCATION <i>FT. Benning, GA 31905</i>			C. UNIT IDENT CODE <i>W04253</i>		
2. SERIAL NO. <i>06225117</i>		3. NOUN NOMENCLATURE <i>Rifle Sniper</i>		4. LINE NO. <i>R95387</i>		5. MODEL <i>M24</i>		6. NATIONAL STOCK NUMBER <i>1005-01-240-2136</i>	
7A. MAINTENANCE ACTIVITY		B. LEVEL <i>H</i>	8. UTILIZATION CODE <i>Q</i>	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 ☐ B Handling ☒ D Normal Op ☐ F Inspection ☐ H Other					☐ 068 Inoperative ☐ 258 Overheating ☐ 790 Out of Adjustment ☐ 008 Noisy ☐ 387 Low Performance ☒ Other				
16A. DESCRIBE DEFICIENCIES OR SYMPTOMS ON THE BASIS OF COMPLETE CHECKOUT AND DIAGNOSTIC PROCEDURE IN EQUIPMENT TM (Do not prescribe repairs). <i>Rd Count Exceeds 5,000.</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)					22. Data Transcribed				
☐ 1 Parts ☐ 2 Manpower ☐ 3 Facilities ☐ 4 Funds ☐ 5 Tools									
23. SUBMITTED BY <i>JDM</i>		24. RECEIVED BY		25. WORK STARTED BY		26. INSPECTED BY		27. ACCEPTED BY	
JULIAN DATE		JULIAN DATE		JULIAN DATE		JULIAN DATE		JULIAN DATE	
28. DISPOSITION (Select One)									
☐ A To User ☐ D Evacuated ☐ B To Stock ☐ E Cannibalization ☐ C Salvaged									

SHIP TO FROM		BARBER - M24 0084401		ACQUISITION NUMBER		DATE		SERIAL		ADDRESS		COUNTRY		PROJECT		REC'D DEL DATE		DOLLARS	
A5AAWI		1005-01-240-2136		EA 00004		W33BQ9		3194-0102		CMBBAN MGZ		03		AWI AF		5145.00			

Supply & Services Division Remington Arm Co. Inc.
 Whse 224 ATTN: Custom Shop
 Fort Benning, GA 31905-5182 14 Hoefler Ave.
 Contract: #DAA21-87-G001

2 JAAI
 3194 F 4
 SN: C6225117, B6896620
 C6225236, C6225136

Rifle 7.62 MM M24 (Sniper) REF: W33V5Z 3189-0001

RT. 3196 BX 236
 RT. 3196 4 26

SHIP US REGISTERED
 RETURN RECEIPT REQUESTED

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C 6225117

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 RB		7/24/89	WLB
620	Apply Coatings (Barrel Action)		7/25/89	TA
	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		7/26/89	JU

op. #	BARBER - M24 0084403 OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force							
	G) Safety Off Force							
	H) Trigger Pull Test & Retainability						7/28/89	J.C.
	I) Firing Pin Indent							
	J) Assemble Stock						7/30/89	RW.
	K) Assemble Swivel Studs						7/31/89	WB
	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						8/2/89	JS.
	A) Headspace							
	B) Trigger Pull	2.74	2.32	2.36	2.42	2.44	8/2/89	JS.
	C) Function						8/2/89	JS.
660	Pack						8/3/89	WB

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

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

SERIAL NO. C6225117

DATE 28 July 89

TESTER JLL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.75		2.49	2.24	MIN. SETTING,
PULL #2	2.73		2.52	2.32	NO AVG. OF 5
PULL #3	2.68		2.42	2.36	READINGS ACCEPT-
PULL #4	2.78		2.29	2.47	ABLE LESS THAN 2#
PULL #5	2.49		2.46	2.44	
TOTAL	13.43		12.18	11.78	
AVG.	2.686		2.436	2.356	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1				
PULL #2				
PULL #3				
PULL #4				
PULL #5				
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.01			
PULL #2	3.98			
PULL #3	3.95			
PULL #4	3.95			
PULL #5	3.97			
TOTAL	19.86			
AVG.	3.972			

5091

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # *C6225117*

OPERATION		DATE	INT
#	NAME		
575-580	ASSEMBLY	1/22	FB
600	PROOF	1/28/88	RW
615	MAGNAFLUX BARREL	4/18/88	P/C
	MAGNAFLUX BOLT	5/13/88	P/R
620	COATING	8/11/88	JA
625-630	FINAL ASSEMBLY		
635	TEST		
640	TARGET		
	FIRING PIN INDENT		
660	PACK		

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225117

OP.#	OP. NAME	READINGS	DATE	INITIAL
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 & Tap Sight Holes			
618	Polish Barrel			
620	Apply Coatings (Barrel Action)			
	Apply Coatings (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		8/23/88	AW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/23/88	AW
	C) Inspect Ejector Hole for Chamfer		8/23/88	AW

OVER

OP.#		READINGS	DATE	INITIAL
625 cont.	D) Oil Firing Pin Ass'y		8/23/88	RW
	E) Adjust Trigger Pull to Min. Setting and Stake		24 Aug 88	J.V. W.B.
	F) Safety on Force	3 1/2 37 37	24 Aug 88	J.V. W.B.
	G) Safety off Force	3 1/4 43 43	24 Aug 88	J.V. W.B.
	H) Trigger Pull Test & Retainability		24 Aug 88	J.V. W.B.
	I) Firing Pin Indent	.0205 .021 .021	24 Aug 88	J.V. W.B.
	J) Assemble Stock		8/25/88	RW
	K) Assemble Swivel Studs			
	L) Attach Front & Rear Sight Assemblies		9/6/88	RW
	M) Iron Sight Alignment		9/6/88	RW
	N) Detach Front & Rear Sights & place in numbered container		9/6/88	RW
	O) Attach Scope to Rifle	90R 84L 47E	9/8/88	RW
	P) Detach & Attach Scope 20 times		9/8/88	W.B.
640	Gallery Target & Test	TIME 13:20 W.B.	9/9/88	D.H.
	A) Optical Clarity of Scope		9/9/88	D.H.
645	Inspect for Live Ammo		9/10/88	W.B.
655	Final Inspection			
	A) Headspace	OK	9/29/88	OK
	B) Trigger Pull	OK	9/29/88	OK
	C) Function	OK	9/29/88	OK
660	Pack		10-20-88	W.B.

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C 6225 117

DATE 24 AUG 88

TESTER J. U. W. B.

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	^{1 3} 2.38	¹ 2.35	^{2 2} 2.54	2.64	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.37	2.41	2.46	2.63	
PULL #3	2.38	2.41	2.50	2.64	
PULL #4	2.43	2.41	2.46	2.66	
PULL #5	2.36	2.41	2.48	2.69	
TOTAL	11.92	11.99	12.44	32.6	
AVG.	2.38	2.39	2.49	2.652	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	^{1 2} 3.38	^{1 2} 3.34		
PULL #2	3.39	3.43		
PULL #3	3.40	3.37		
PULL #4	3.42	3.39		
PULL #5	3.38	3.33		
TOTAL	16.97	16.86		
AVG.	3.39	3.37		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	^{4 2} 4.35	^{4 2} 4.28		4.31
PULL #2	4.38	4.29		4.35
PULL #3	4.34	4.34		4.40
PULL #4	4.37	4.40		4.38
PULL #5	4.43	4.42		4.41
TOTAL	21.87	21.73		21.85
AVG.	4.37	4.35		4.37

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225117

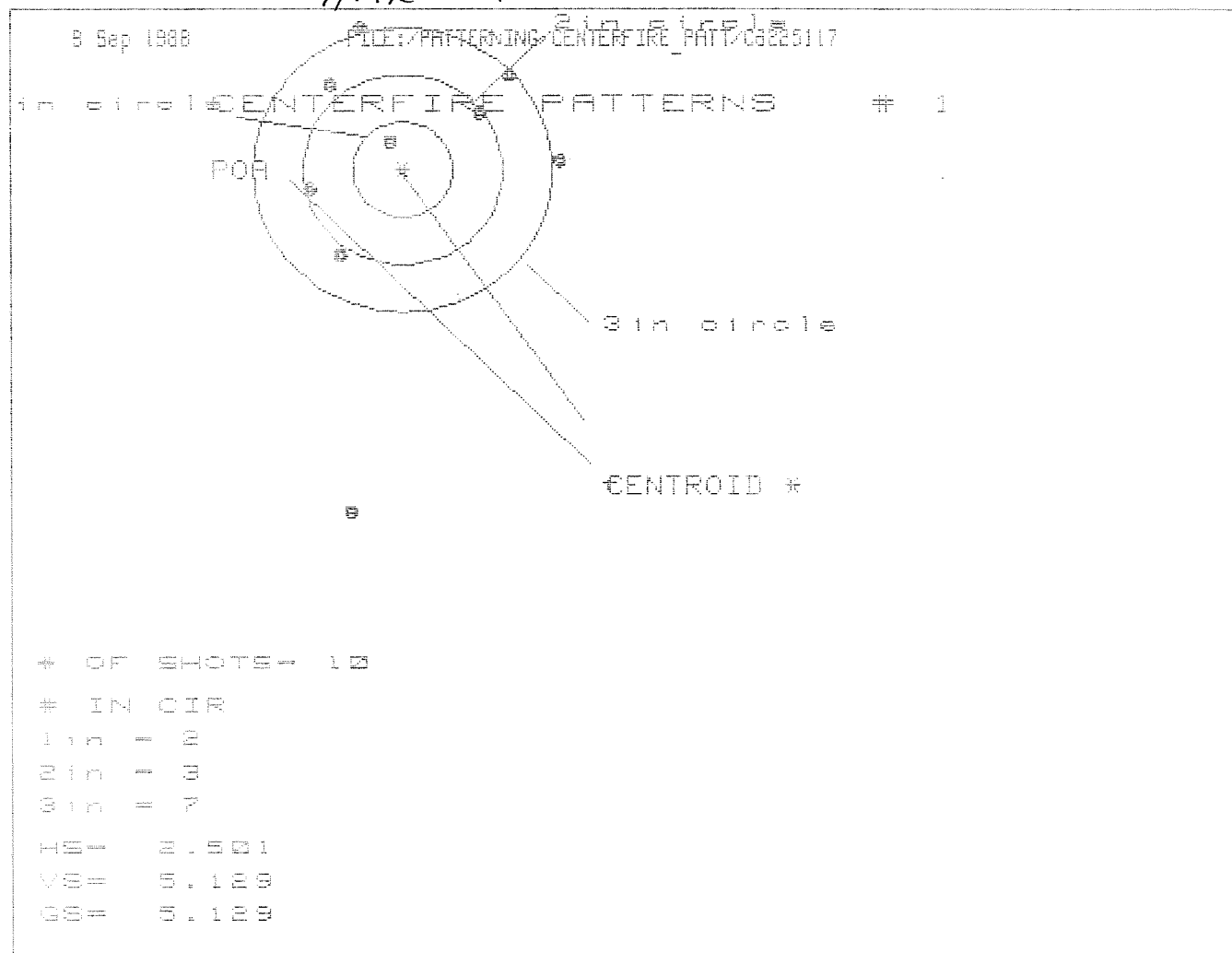
CENTROIDAL DISTANCES

0 TO	1	3.89772
1 TO	2	.199865
1 TO	3	.516899
1 TO	4	.150921
1 TO	5	.382562

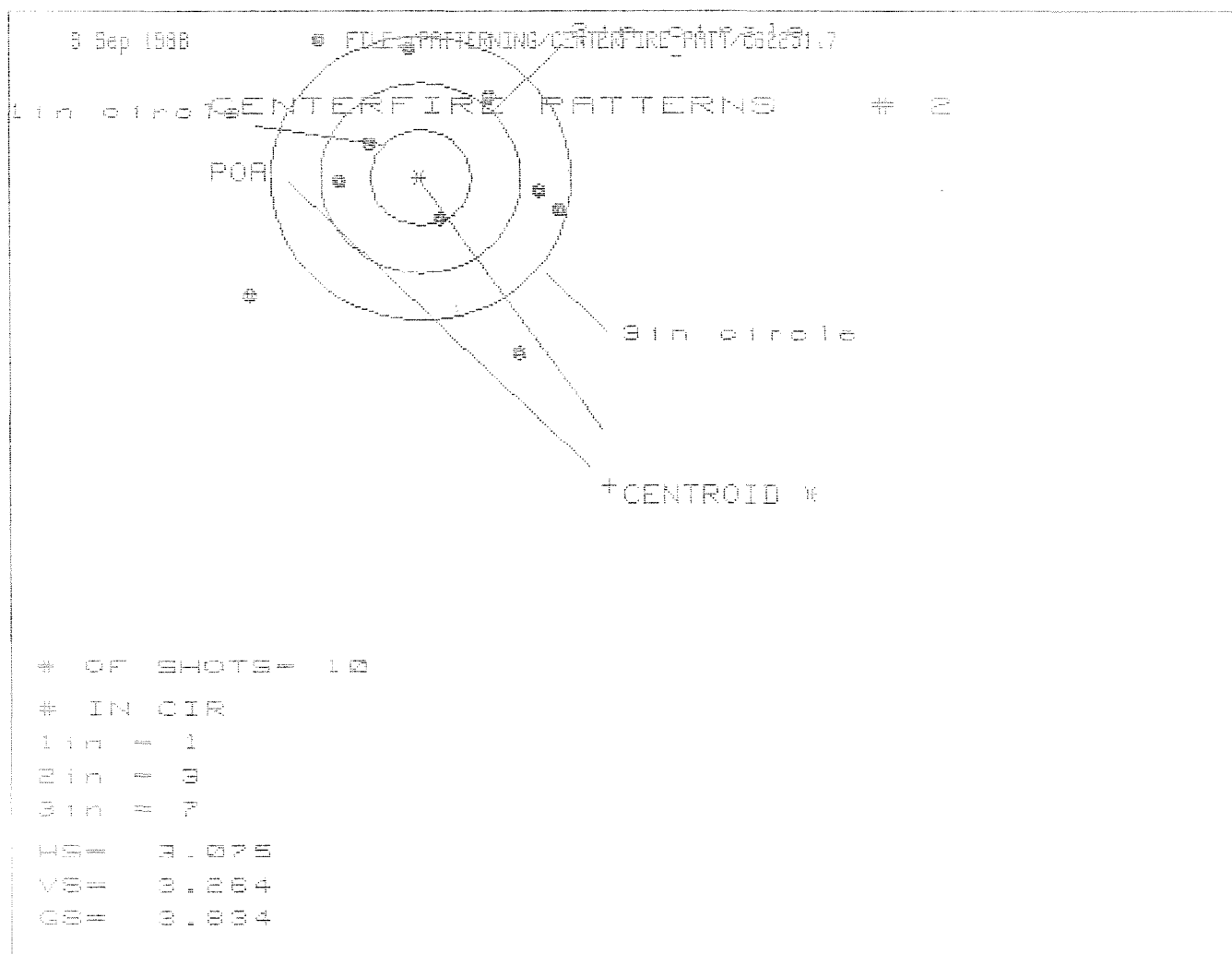
72
5

+ <----POR

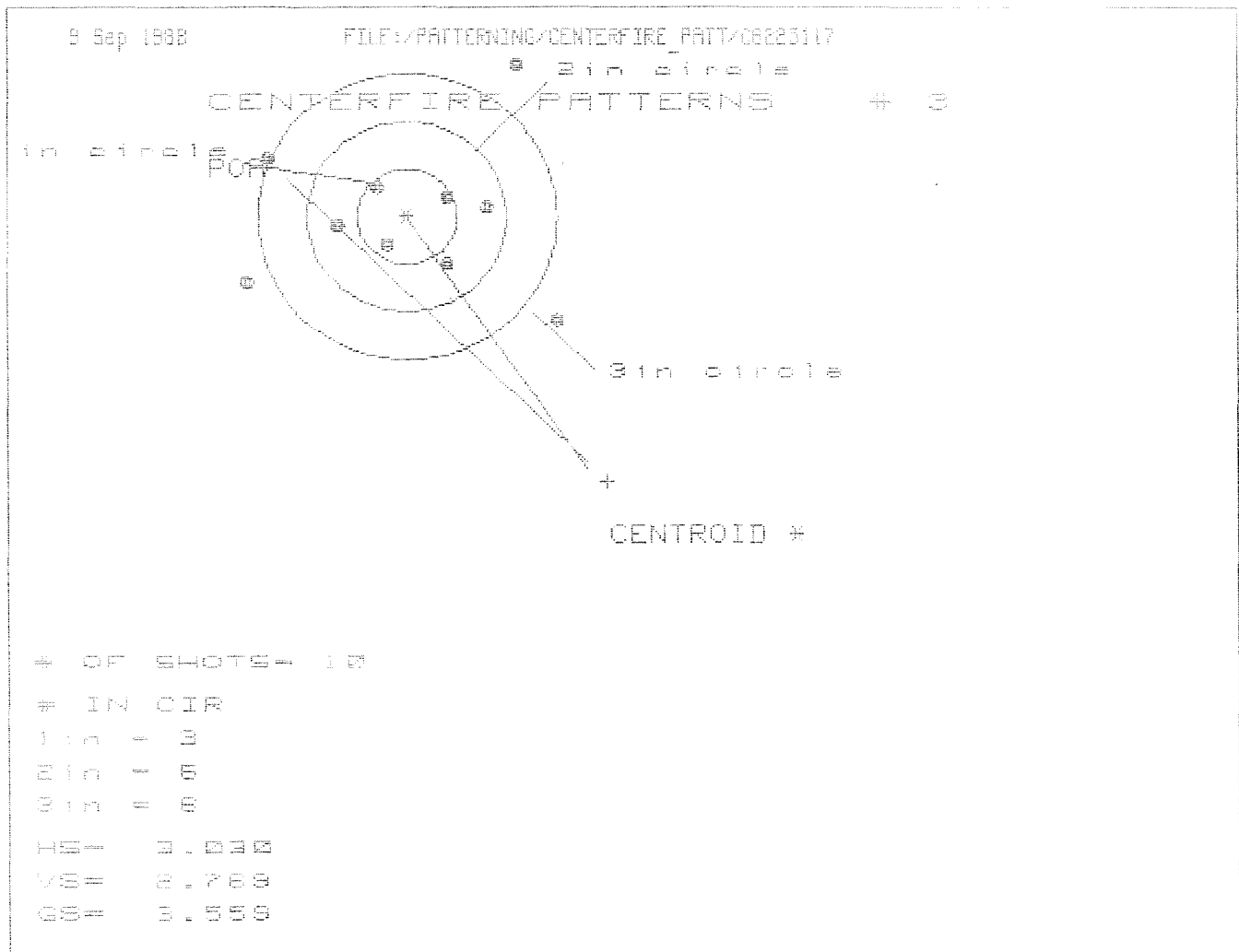
AMR = 1.12



PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.604	1.551	1.179
MINIMUM X	-0.897	-0.950	-0.756
MAXIMUM Y	1.524	1.123	1.081
MINIMUM Y	-3.605	-1.320	-1.361
CENTROID X	-2.071	-2.018	-2.212
CENTROID Y	3.302	3.703	3.744
POA TO CENTROID in.	3.898	4.217	4.349
MIN RADIUS	.298	.209	.150
MEAN RADIUS	1.310	.969	.861
MAX RADIUS	3.637	1.586	1.443
HORIZONTAL SPREAD	2.501	2.501	1.935
VERTICAL SPREAD	5.129	2.443	2.443
EXTREME SPREAD	5.129	2.521	2.521
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	3		
NUMBER IN THREE INCH CIRCLE =	7		



PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	3
MAXIMUM X	1.301	1.171	1.266
MINIMUM X	-1.714	-1.250	-1.155
MAXIMUM Y	1.457	1.323	1.080
MINIMUM Y	-1.807	-1.941	-1.846
CENTROID X	-1.882	-1.692	-1.787
CENTROID Y	3.237	3.371	3.614
POB TO CENTROID in.	3.744	3.772	4.032
MIN RADIUS	.494	.604	.620
MEAN RADIUS	1.289	1.186	1.053
MAX RADIUS	2.099	2.085	1.581
HORIZONTAL SPREAD	3.075	2.421	2.421
VERTICAL SPREAD	3.264	3.264	1.926
EXTREME SPREAD	3.834	3.834	3.006
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	3		
NUMBER IN THREE INCH CIRCLE =	7		

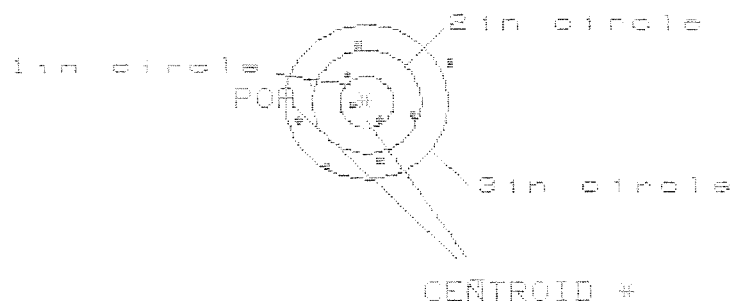


PATTERN #	:	1	2	3
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.460	1.582	1.133
MINIMUM X	:	-1.570	-1.448	-1.250
MAXIMUM Y	:	1.640	.803	.684
MINIMUM Y	:	-1.129	-.947	-.649
CENTROID X	:	-2.000	-2.122	-2.320
CENTROID Y	:	2.790	2.608	2.727
POA TO CENTROID in.	:	3.433	3.362	3.580
MIN RADIUS	:	.360	.143	.295
MEAN RADIUS	:	1.041	.923	.805
MAX RADIUS	:	1.975	1.844	1.408
HORIZONTAL SPREAD	:	3.030	3.030	2.383
VERTICAL SPREAD	:	2.769	1.750	1.333
EXTREME SPREAD	:	3.559	3.342	2.505
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		6	

8 Sep 1988

FILE:/PATTERNING/CENTERFIRE_PATT/08285117

CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 4

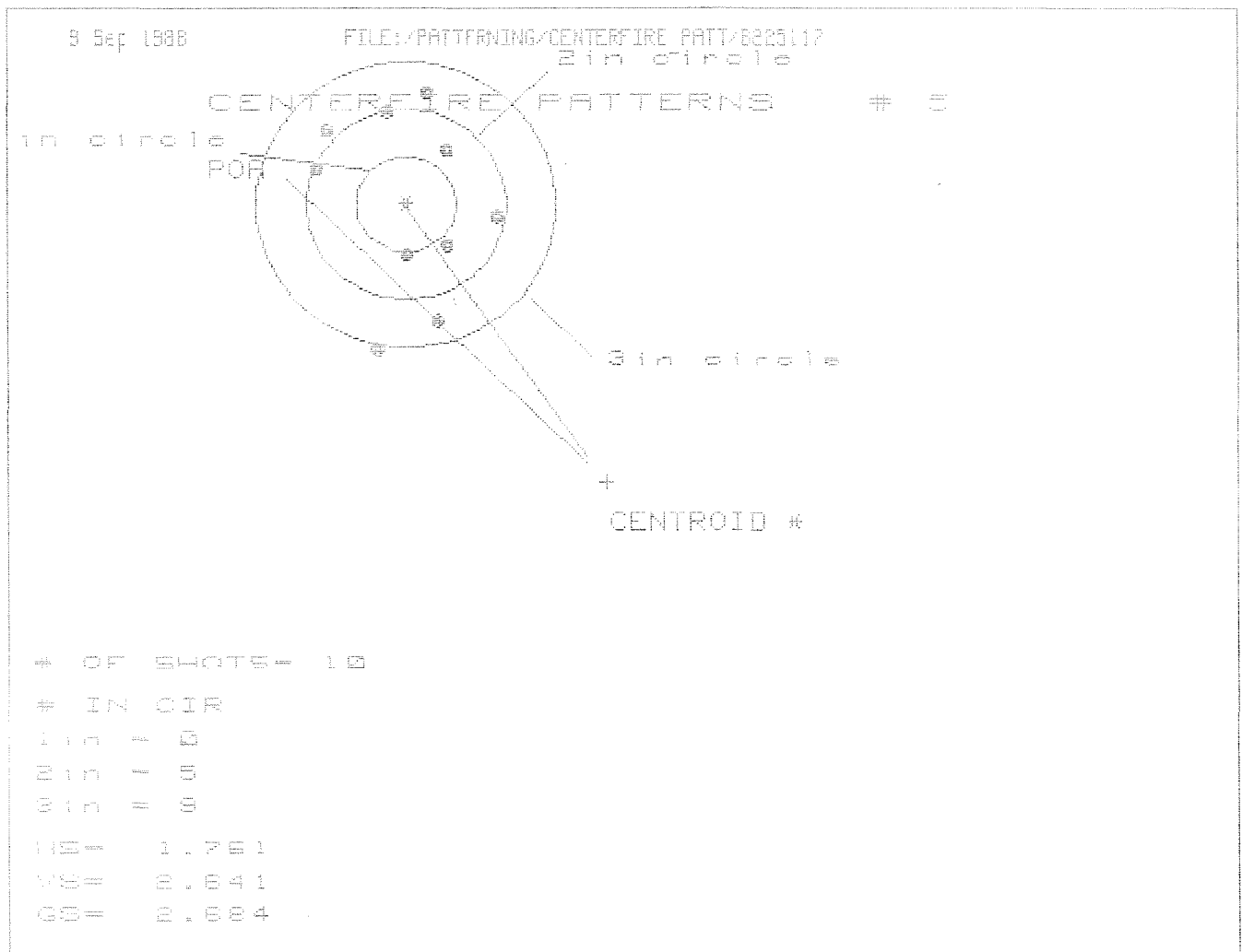
3 in = 8

HS= 2.793

VS= 2.433

GS= 3.657

PATTERN #	1	4	9
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.538	.972	.983
MINIMUM X	-1.245	-1.074	-1.143
MAXIMUM Y	1.138	1.223	1.072
MINIMUM Y	-1.295	-1.210	-1.197
CENTROID X	-2.047	-2.218	-2.149
CENTROID Y	3.451	3.366	3.517
POA TO CENTROID in.	4.012	4.031	4.122
MIN RADIUS	.227	.044	.181
MEAN RADIUS	.996	.895	.838
MAX RADIUS	1.717	1.329	1.230
HORIZONTAL SPREAD	2.783	2.046	2.046
VERTICAL SPREAD	2.433	2.433	2.259
EXTREME SPREAD	3.657	2.494	2.296
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		4	
NUMBER IN THREE INCH CIRCLE =		9	



PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.876	.842	.874
MINIMUM X	-.885	-.919	-.887
MAXIMUM Y	1.146	.974	.800
MINIMUM Y	-1.500	-1.387	-.865
CENTROID X	-2.005	-1.972	-2.004
CENTROID Y	2.925	3.092	3.266
POF TO CENTROID in.	3.547	3.668	3.831
MIN RADIUS	.525	.561	.492
MEAN RADIUS	.966	.890	.808
MAX RADIUS	1.530	1.410	1.013
HORIZONTAL SPREAD	1.761	1.761	1.761
VERTICAL SPREAD	2.641	2.361	1.665
EXTREME SPREAD	2.684	2.363	1.898
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	9		

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06225117

CENTROIDAL DISTANCES

0 TO	1	3.89772
1 TO	2	.199865
1 TO	3	.516899
1 TO	4	.150921
1 TO	5	.382562

12
5

+ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -2.0012
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: 3.141
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: 3.72434
THE AMR FOR THIS RIFLE IS: 1.12

RECEIVING AND ESTIMATING REPORT

COMMENTS

SNIPER M-24 W/10X LEUPOLD SCOPE

INITIAL JJM	CUSTOMER ORDER NO.					
DATE RECEIVED 08/08/90	DATE OPENED 08/16/90	DATE CODE	SERIAL NUMBER C6225117	MODEL AND GRADE 9999	7.65 NATO	ORDER R 90-22054
ACCESSORIES	SLING STRAP	W/STUDS	W/SWIVELS	HARD CASE		

FROM:

MAINTANCE DIVISION USAIC
ATTN ATZB-DL-MA-Q
BLDG 226
FORT BENNING GA 31905-5173

SHIP TO:

MAINTANCE DIVISION USAIC
ATTN ATZB-DL-MA-Q
BLDG 226
FORT BENNING GA
31905-5173

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

MAIN FAULT

PARTS

REPAIRMAN	PROOF	CLEAN	TEST	TARGET	PATTERN
GALLERY TESTER	DATE	DATE	DATE	DATE	DATE

RD6925 REV. 6/88

WITH GUN

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 0084417

MAINTENANCE REQUEST				PAGE NO. 1	NO. OF PAGES 1	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 03	PD AUTHENTICATION <i>Longman</i>	
☒ Work Request ☐ MWO ☐ Warranty Claim		1A. ORGANIZATION <i>Weapons Pool Bx MAINT Div, DOL</i>		B. LOCATION <i>Bldg 9106 Ft. Benning Ga 31905</i>		C. UNIT IDENT CODE <i>W041255</i>	
2. SERIAL NO. <i>C 6225117</i>		3. NOUN NOMENCLATURE <i>Rifle Sniper</i>		4. LINE NO. <i>R9S387</i>	5. MODEL <i>M24</i>	6. NATIONAL STOCK NUMBER <i>1005-01-240-2136</i>	
7A. MAINTENANCE ACTIVITY		B. LEVEL <i>H</i>	8. UTILIZATION CODE <i>C</i>	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 ☐ B Handling ☒ D Normal Op ☐ F Inspection ☐ H Other				☐ 068 Inoperative ☐ 258 Overheating ☐ 790 Out of Adjustment ☐ 008 Noisy ☐ 387 Low Performance ☐ Other			
16A. DESCRIBE DEFICIENCIES OR SYMPTOMS ON THE BASIS OF COMPLETE CHECKOUT AND DIAGNOSTIC PROCEDURE IN EQUIPMENT TM (Do not prescribe repairs). <i>Paint peeling off barrel, stock was fibers wearing through</i>							
B. REMARKS <i>Reconditioning Not Done - Rifle Checked & Repaired for Function Only - Remington Arm Co. Inc. J. J. Hall</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/PART NOUN, SVC, OR MWO NO.			D. MANHOURS (Hrs. & tenths)	E. NATIONAL STOCK NUMBER	F. PART SOURCE CODE
		(1) CB CODE	(2) REF DESIGN.	(3) MFR. CODE			G. QTY.
							H. PARTS COST
							\$
							\$
							\$
							\$
							\$
							\$
							\$
							\$
							\$
							\$
							\$
							\$
					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							
23. SUBMITTED BY <i>Longman</i>		24. RECEIVED BY		25. WORK STARTED BY		26. INSPECTED BY	
27. ACCEPTED BY		28. DISPOSITION (Select One)					
		☐ A To User ☐ D Evacuated ☐ B To Stock ☐ E Cannibalization ☐ C Salvaged					
JULIAN DATE		JULIAN DATE		JULIAN DATE		JULIAN DATE	

RECEIVED BARBER - M24 0084419 REPORT

COMMENTS

ORDER
R 92-13318

INITIAL CUSTOMER ORDER NO.

JIM

M-24 SNIPER W/LEUPOLD 10X ULTRA SCOPE

DATE RECEIVED	DATE OPENED	DATE CODE	SERIAL NUMBER	NEW SERIAL NUMBER	MODEL AND GRADE
06/17/92	06/17/92	KI 5-88	C6225117		700 7.62 NATO
ACCESSORIES SCOPE MNTS SCOPE BASE HARD CASE					

FROM:

CONSOLIDATED EQUIP POOL
ATTN TERRY MAJORS
FT BENNING

GA 31905

SHIP TO:

CONSOLIDATED EQUIP POOL
ATTN TERRY MAJORS
FT BENNING

GA

31905

CUST NO: 059697 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

REGISTERED MAIL

REMINGTON ARMS CO., INC.

Sport Arms Division

REPAIR CHARGE

EXCISE

TAX

INSURANCE

UPS

PARCEL POST

TOTAL

CUSTOMER CONCERN	AMMO	FUNCTION	FINISH	ACCURACY	FIT	INSPECT
------------------	------	----------	--------	----------	-----	---------

CYCLE	A1	B1				
TRIGGER GROUP		B2				
BOLT ASSY.		B3				
BARREL ASSY.		B4				
REC. ASSY.		B5				
WOOD			C1			
METAL			C2			

MAIN FAULT

Replace Barrel
Repair Bolt Stop Release
Refinish Guard
Refinish Bbl/Rea
Repair Stock

REGISTERED MAIL

D1
D2 R.513 300 906 18.5
D3 61 LB 09.8 02

C2

TOTAL CHARGES \$ 46.350

PARTS

COMMENTS

REPAIRMAN	PROOF	CLEAN	TEST	TARGET	PATTERN
GALLERY TESTER	DATE	DATE	DATE	DATE	DATE

WITH GUN

RD6925 REV. 1/92

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 0084419 84458

MAINTENANCE REQUEST				PAGE NO. 1	NO OF PAGES 1	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 03	PD AUTHENTICATION <i>[Signature]</i>	
☒ Work Request ☐ MWO ☐ Warranty Claim		1A. ORGANIZATION Consolidated Equip Pool		B. LOCATION Ft. Benning G93195		C. UNIT IDENT CODE W04255	
2. SERIAL NO. 6225117		3. NOUN NOMENCLATURE Rifle Sniper		4. LINE NO.	5. MODEL M24	6. NATIONAL STOCK NUMBER 1005-01-240-2136	
7A. MAINTENANCE ACTIVITY Remington		B. LEVEL 4	8. UTILIZATION CODE 0	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) ☐ A Sch. Main. ☐ C Test ☐ E Storage ☐ G Flight ☐ B Handling ☒ D Normal Op ☐ F Inspection ☐ H Other				15. FIRST INDICATION OF TROUBLE (Select one - use ☒ or X) ☐ 068 Inoperative ☐ 258 Overheating ☐ 790 Out of Adjustment ☐ 008 Noisy ☒ 387 Low Performance ☐ Other			
16A. DESCRIBE DEFICIENCIES OR SYMPTOMS ON THE BASIS OF COMPLETE CHECKOUT AND DIAGNOSTIC PROCEDURE IN EQUIPMENT TM (Do not prescribe repairs). SEE ATTACHED DA Form 2404							
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)	
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
		(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)					
		☐ A To User ☐ D Evacuated ☐ B To Stock ☐ E Cannibalization ☐ C Salvaged					
JULIAN DATE		JULIAN DATE		JULIAN DATE		JULIAN DATE	

COMMENTS

ORDER
92-13318

M-24 SNIPER W/LEUPOLD 10X ULTRA SCOPE

DATE RECEIVED	DATE OPENED	DATE CODE	SERIAL NUMBER	NEW SERIAL NUMBER	MODEL AND GRADE
06/17/92	06/17/92	KI 5-88	C6225117		700 7.62 NATO
ACCESSORIES	SCOPE MNTS	SCOPE BASE	HARD CASE		

FROM:

SHIP TO:

CONSOLIDATED EQUIP POOL
ATTN TERRY MAJORS
FT BENNING GA 31905

CONSOLIDATED EQUIP POOL
ATTN TERRY MAJORS
FT BENNING GA 31905

CUST NO: 059697 CJO.DL

ACCOUNT NUMBER

ACCOUNT NUMBER N/C

WRITE ☐

CLEAN/TEST

PROM. DATE

ESTIMATED

VIA

UP S

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

REPLACE BARREL
REPAIR BOLT STOP RELEASE
REFINISH GUARD
REFINISH BAL/RES
REPAIR STOCK

PARTS

COMMENTS

REPAIRMAN	PROOF	CLEAN	TEST	TARGET	PATTERN
-----------	-------	-------	------	--------	---------

GALLERY TESTER	DATE	DATE	DATE	DATE	DATE
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OFFICE COPY

RD6925 BEV 1/92

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 0084421 M2400084460

BARBER - M24 0084422

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
DOC IDENT		RI FROM		M & S		STOCK NUMBER																		QUANTITY		DOCUMENT NUMBER										SUPPLEMENTARY ADDRESS										DISTRIBUTION		PROJECT		REQ'D DEL DATE		ADV		RI		UNIT PRICE																							
A5A		AWI				1005-01-243-2136																		EA		00005										W33BQ9 2161-0113										CMBBAN MGA														03						5145.00													
SHIPPED FROM																								SHIP TO																								MARK FOR										PROJECT										TOTAL PRICE											
SUPPLY AND SERVICES DIVISION																								REMINGTON ARMS CO INC																																		#1										DOLLARS		CTS.									
WHS 224 490																								ATTN: CUSTOM SHOP																																																							
FT BENNING GA 31905																								14 HOEFER AV																																																							
A																								ILTON NY 13357																																		CONTRACT # DAA21-87-G001												25,725.00									
WAREHOUSE LOCATION										TYPE OF CARGO					UNIT PACK					UNIT WEIGHT					UNIT CUBE					UFC					NMFC					FREIGHT RATE					DOCUMENT DATE					MAT COND					QUANTITY																								
F										G					H					I					J					K					L					M					N					O					F					Q					R					S									
SUBSTITUTE DATA (ITEM ORIGINALLY REQUESTED)																								FREIGHT CLASSIFICATION NOMENCLATURE																																																							
T																								RIFLE 7.62 MM M24 (SNIPER)																																																							
																								ITEM NOMENCLATURE																																																							
W																								X																																																							
SELECTED BY AND DATE										TYPE OF CONTAINER(S)										TOTAL WEIGHT										RECEIVED BY AND DATE										INSPECTED BY AND DATE																																							
RT 2164										BX										295										SN: C6349084																																																	
PACKED BY AND DATE										NO. OF CONTAINERS(S)										TOTAL CUBE										WAREHOUSED BY AND DATE										WAREHOUSE LOCATION																																							
RT 2164										5										32.5										C6225234																																																	
																														C6225255																																																	
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SHIP: US REGISTERED																																																																															
RETURN RECEIPT REQUESTED																																																																															
AA																								BB																																																							
FIRST DESTINATION ADDRESS																								DATE SHIPPED																																																							
11																								12																																																							
13 TRANSPORTATION CHARGEABLE TO																								14 BLADING, AWB, OR RECEIVER'S SIGNATURE (AND DATE)																				15 RECEIVER'S DOCUMENT NUMBER																																			

DD Form 1348-1, SEP 87

Jun 86 edition may be used.

FORM APPROVED. OMB NO. 0704-0188

DOD SINGLE LINE ITEM RELEASE/RECEIPT DOCUMENT

12 JUN 1992
ORIGINAL

U.S. Government Printing Office: 1989-244-058

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER

KINZER V. REMINGTON

BARBER - M24 0084422

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225117

OP. #	OP. NAME	READINGS	DATE	INITIAL
575 & 580	Assemble Action and Stock		7/9/92	RW
600	Proof		7/9/92	RW
607	Check Headspace		7/9/92	RW
610	Dis-assemble Gun		7/9/92	RW
612	Magnaflux Barrel Action			
	Magnaflux Bolt			
615	Rollmark Caliber			
617	Drill and Tap Sight Holes		7/9/92	RW
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. #	BARBER - M24 0084424	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				7-27-92	A
	A) Time				7-27-92	A
	B) Malfunctions				7-27-92	A
	C) Pierced Primers				7-27-92	A
	D) Optical Clarity of Scope				7-27-92	A
645	Inspect for Live Ammo				7-27-92	A
655	Final Inspection					
	A) Headspace					
	B) Trigger Pull					
	C) Function					
660	Pack					

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225117
27 Jul 1992

CENTROIDAL DISTANCES

0 TO 1	.481682
1 TO 2	.388376
1 TO 3	1.02544
1 TO 4	.489254
1 TO 5	.145279

3
4
5

<----POR

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0946
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.107
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .142822

THE AMR FOR THIS RIFLE IS: 1.059

27 Jul 1992

FILE:/PATTERNING/CENTERFIRE_PATT/C8225117

CENTERFIRE PATTERNS # 1

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS- 10

IN CIR

1in = 1

2in = 6

3in = 10

HS= 2.183

VS= 2.027

GS= 2.693

PATTERN #

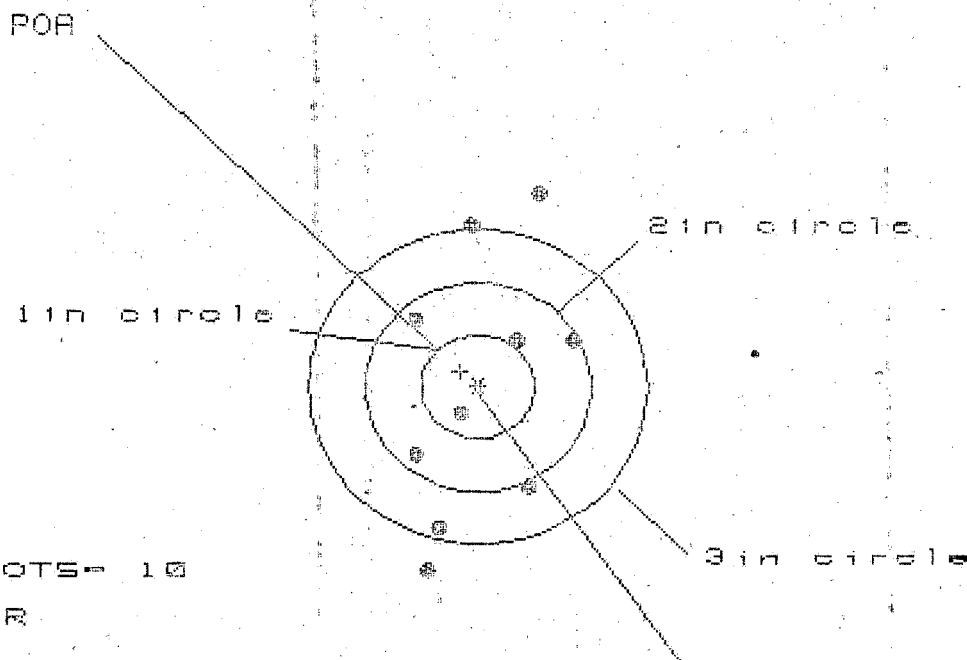
SHOTS (BEST OF)

	10	9	8
MAXIMUM X	.829	.678	.758
MINIMUM X	-1.354	-.927	-.847
MAXIMUM Y	.862	.914	.774
MINIMUM Y	-1.165	-1.113	-1.225
CENTROID X	.067	.218	.138
CENTROID Y	-.477	-.529	-.389
POA TO CENTROID in.	.482	.572	.413
MIN RADIUS	.483	.465	.495
MEAN RADIUS	.992	.921	.867
MAX RADIUS	1.432	1.427	1.489
HORIZONTAL SPREAD	2.183	1.605	1.605
VERTICAL SPREAD	2.027	2.027	1.999
EXTREME SPREAD	2.693	2.476	2.213
NUMBER IN ONE INCH CIRCLE	= 1		
NUMBER IN TWO INCH CIRCLE	= 6		
NUMBER IN THREE INCH CIRCLE	= 10		

27 Jul 1992

FILE:/PATTERNING/CENTERFIRE_PATT/CS225117

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 5

3 in = 7

HS= 1.462

VS= 3.615

GS= 3.753

PATTERN #

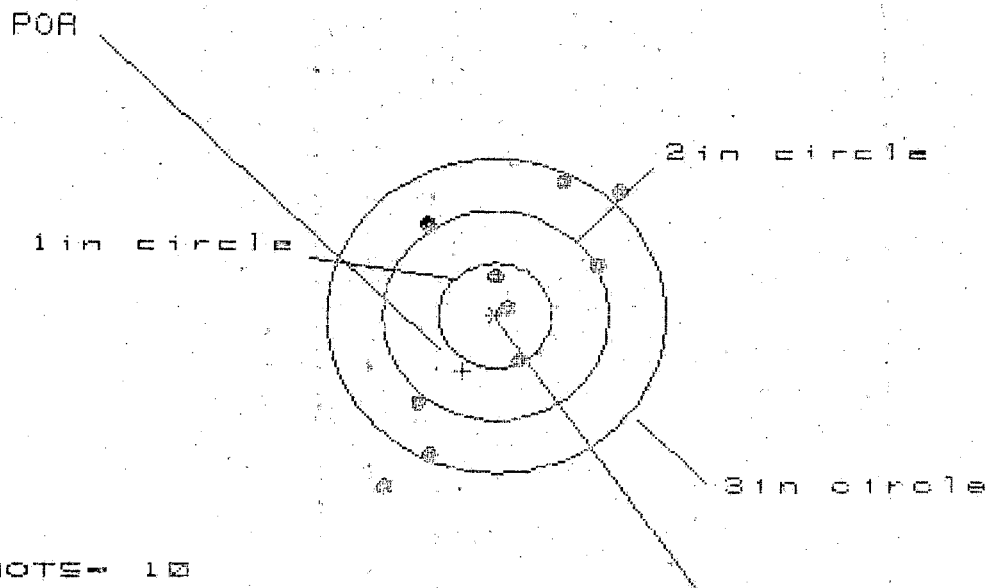
2

SHOTS (BEST OF)	10	9	8
MAXIMUM X	.970	.927	.872
MINIMUM X	-.592	-.535	-.590
MAXIMUM Y	1.872	1.767	1.575
MINIMUM Y	-1.743	-1.535	-1.376
CENTROID X	.154	.097	.152
CENTROID Y	-.150	-.358	-.166
POA TO CENTROID in.	.215	.371	.225
MIN RADIUS	.279	.100	.265
MEAN RADIUS	1.149	1.034	.966
MAX RADIUS	1.941	1.767	1.576
HORIZONTAL SPREAD	1.462	1.462	1.462
VERTICAL SPREAD	3.615	3.382	2.951
EXTREME SPREAD	3.753	3.329	2.967
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	7		

27 Jul 1992

FILE:/PATTERNING/CENTERFIRE_PATT/06225117

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 3

3 in = 8

HS= 2.138

VS= 2.880

GS= 3.506

CENTROID #

PATTERN #	3	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.114	1.000	.949
MINIMUM X	-1.024	-.769	-.644
MAXIMUM Y	1.258	1.078	1.200
MINIMUM Y	-1.622	-1.481	-1.359
CENTROID X	.294	.408	.283
CENTROID Y	.523	.703	.581
POA TO CENTROID in.	.600	.813	.647
MIN RADIUS	.186	.078	.169
MEAN RADIUS	1.060	.929	.878
MAX RADIUS	1.918	1.648	1.484
HORIZONTAL SPREAD	2.138	1.769	1.593
VERTICAL SPREAD	2.880	2.559	2.559
EXTREME SPREAD	3.506	3.001	2.812
NUMBER IN ONE INCH CIRCLE	= 3		
NUMBER IN TWO INCH CIRCLE	= 3		
NUMBER IN THREE INCH CIRCLE	= 8		

27 JUL 1992

FILE:/PATTERNING/CENTERFIRE_PATT/C6225117

CENTERFIRE PATTERNS

4

POA

1in circle

2in circle

3in circle

CENTROID #

OF SHOTS - 10

IN CIR

1in = 1

2in = 1

3in = 9

HS = 2.710

VS = 2.291

GS = 3.046

PATTERN #

4

SHOTS (BEST OF)

10

9

8

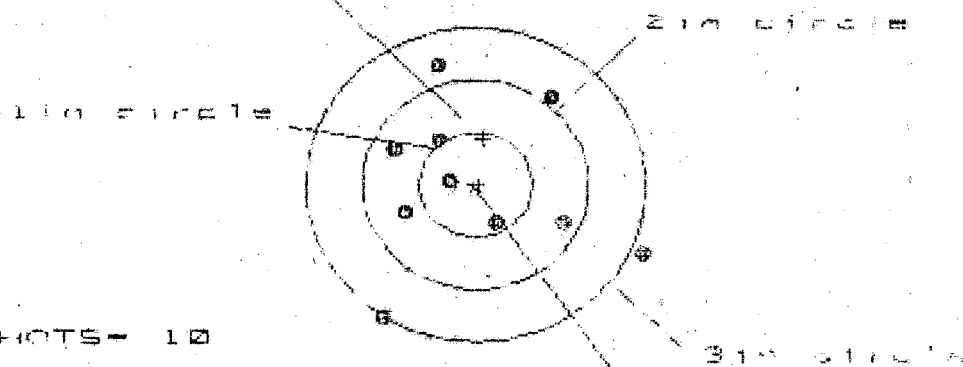
MAXIMUM X	:	1.304	1.148	1.016
MINIMUM X	:	-1.406	-1.436	-1.293
MAXIMUM Y	:	1.336	1.233	1.277
MINIMUM Y	:	-.955	-1.058	-1.014
CENTROID X	:	.032	.108	.045
CENTROID Y	:	.011	.114	.070
POA TO CENTROID IN.	:	.034	.220	.088
MIN RADIUS	:	.373	.222	.358
MEAN RADIUS	:	1.190	1.103	1.103
MAX RADIUS	:	1.687	1.463	1.342
HORIZONTAL SPREAD	:	2.710	2.584	2.309
VERTICAL SPREAD	:	2.291	2.291	2.291
EXTREME SPREAD	:	3.046	2.619	2.431
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	1		
NUMBER IN THREE INCH CIRCLE	=	9		

27 Jul 1992

FILE: PATTERNING/CENTERFIRE_PATT 06235117

CENTERFIRE PATTERNS # 5

FOR



OF SHOTS - 10

IN CIR

110 = 2

210 = 6

310 = 8

MS = 2.327

VS = 2.375

GS = 2.592

PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.433	.954	.869
MINIMUM X	-.844	-.680	-.596
MAXIMUM Y	1.139	1.061	.896
MINIMUM Y	-1.236	-1.314	-1.270
CENTROID X	-.074	-.238	-.154
CENTROID Y	-.442	-.364	-.149
POA TO CENTROID in.	.448	.435	.232
MIN RADIUS	.225	.058	.233
MEAN RADIUS	.904	.782	.707
MAX RADIUS	1.643	1.480	1.012
HORIZONTAL SPREAD	2.327	1.634	1.508
VERTICAL SPREAD	2.375	2.375	1.531
EXTREME SPREAD	2.592	2.592	1.912
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	9		

MAINTENANCE REQUEST				PAGE NO <i>1</i>		NO OF PAGES <i>1</i>		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 <i>03</i>		PD AUTHENTICATION <i>[Signature]</i>		
☒ Work Request ☐ MWO ☐ Warranty Claim		1A. ORGANIZATION <i>Consolidated Equip Pool</i>			B. LOCATION <i>Ft. Benning G93125</i>			C. UNIT IDENT CODE <i>W04255</i>			
2. SERIAL NO. <i>6625117</i>		3. NOUN NOMENCLATURE <i>Rifle Sniper</i>			4. LINE NO.		5. MODEL <i>1124</i>		6. NATIONAL STOCK NUMBER <i>1005-01-240-2136</i>		
7A. MAINTENANCE ACTIVITY <i>Remington</i>		B. LEVEL <i>H</i>		8. UTILIZATION CODE <i>Q</i>		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		☐ 068 Inoperative		☐ 258 Overheating	
☐ B Handling		☒ D Normal Op		☐ F Inspection		☐ H Other		☐ 008 Noisy		☒ 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>SEE ATTACHED DA FORM 2404</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		JULIAN DATE		JULIAN DATE		JULIAN DATE		JULIAN DATE		☐ A To User ☐ D Evacuated ☐ B To Stock ☐ E Cannibalization ☐ C Salvaged	

DA FORM 2404
1 APR 79

BARBER - M24 ~~0084492~~ **M3400084471**

BARBER - M24 008449584474

RECEIVING AND ESTIMATING REPORT

COMMENTS

ORDER

R 95-06905

INITIAL CUSTOMER ORDER NO.

FPS

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

DATE RECEIVED 02/24/95	DATE OPENED 02/24/95	DATE CODE PM 6-92	SERIAL NUMBER C6225117	NEW SERIAL NUMBER	MODEL AND GRADE 700 7.62 NATO
ACCESSORIES SLING STRAP		W/STUDS		W/SWIVELS	SCOPE MNTS SCOPE BASE
W/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

R649329025

GUN CONDITION

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

REPAIR CHARGE

EXCISE

TAX

INSURANCE

UPS

PARCEL POST

TOTAL

W52 409 5082 H226

CUSTOMER CONCERN	AMMO	FUNCTION	FINISH	ACCURACY	FIT	INSPECT
------------------	------	----------	--------	----------	-----	---------

CYCLE	A1	B1				
TRIGGER GROUP		B2			E1	F1
BOLT ASSY.	<i>Firing pin</i>	B3	<i>WORN & IN/op</i>		E2	F2
BARREL ASSY.	<i>New Barrel</i>	B4		D1	E3	F3
REC. ASSY.		B5		D2	E4	F4
WOOD			C1	D3	E5	F5
METAL			C2			

MAIN FAULT

Front & Rear Sight Assy Very Rusty - IN/op

PARTS

COMMENTS

<i>Barrel - 96003</i>	<i>Re powder Coat Trigger Guard</i>
<i>Firing pin Assy. 96007</i>	<i>Assy. Front & Rear Sight Bases</i>
<i>Rear Sight Assy - 96119</i>	<i>Re Zinc. Scope Base, Rings,</i>
<i>Front Sight Assy 96118</i>	<i>Swivels & Swivel Studs</i>

REPAIRMAN	PROOF	CLEAN	TEST	TARGET	PATTERN
-----------	-------	-------	------	--------	---------

GALLERY TESTER	DATE	DATE	DATE	DATE	DATE
<i>RW</i>	<i>3/1/95</i>	<i>3/20/95</i>	<i>7/21/95</i>	<i>3/21/95</i>	

OFFICE COPY

RD6925 REV. 1/94

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 006449884475

MAINTENANCE REQUEST				PAGE NO. <u>1</u>		NO. OF PAGES <u>1</u>		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 <u>03</u>		PD AUTHENTICATION <u>[Signature]</u>		
☒ Work Request ☐ MWO ☐ Warranty Claim		1A. ORGANIZATION <u>Consolidated Equip Pool</u>			B. LOCATION <u>FT. Benning Ga 31905</u>			C. UNIT IDENT CODE <u>W04255</u>			
2. SERIAL NO. <u>C6225117</u>		3. EQUIPMENT NOMENCLATURE <u>Rifle Sniper</u>			4. LINE NO. <u>R95387</u>		5. MODEL <u>1124</u>		6. NATIONAL STOCK NUMBER <u>1005012402136</u>		
7A. MAINTENANCE ACTIVITY <u>REPAIR</u>		B. LEVEL	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		☐ 065 Inoperative		☐ 258 Overheating	
☐ B Handling		☐ D Normal Op		☒ F Inspection		☐ H Other		☐ 008 Noisy		☐ 387 Low Performance	
16A. DESCRIBE DEFICIENCIES OR SYMPTOMS ON THE BASIS OF COMPLETE CHECKOUT AND DIAGNOSTIC PROCEDURE IN EQUIPMENT TM (Do not prescribe repairs). <u>SEE ATTACHED DA 2404</u>											
B. REMARKS <u>MR POC MATORS 706-544-3455</u>											
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)	RED MAIL R 649 329 025			E. PART PRICE 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 <u>[Signature]</u>		24. RECEIVED BY		25. WORK STARTED BY		26. INSPECTED BY		27. ACCEPTED BY		28. DISPOSITION (Select One)	
JULIAN DATE		JULIAN DATE		JULIAN DATE		JULIAN DATE		JULIAN DATE		☐ A To User ☐ D Evacuated ☐ B To Stock ☐ E Cannibalization ☐ C Salvaged	

DA FORM 2404
1 APR 79

BARBER - M24 ~~0084438~~ **M2400084477**

BARBER - M24 0084439 M2400084478

GUN SERIAL # C6225117

OP. #	OP. NAME	READINGS	DATE	INITIAL
575 & 580	Assemble Action and Stock		3/1/95	Rw
600	Proof		3/1/95	Rw
607	Check Headspace		3/1/95	Rw
610	Dis-assemble Gun		3/1/95	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		3/18/95	Rw
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		3/18/95	Rw
	C) Inspect Ejector Hole for Chamfer		3/18/95	Rw
	D) Oil Firing Pin Ass'y		3/18/95	Rw
	E) Adjust Trigger Pull to Min Setting and Stake		3/18/95	Rw

op. #	OP. NAME	READINGS			DATE	INIT
625 cont.	BARBER - M24 0084441 F) Safety On Force					
	G) Safety Off Force					
	H) Trigger Pull Test & Retainability					
	I) Firing Pin Indent	.022	.023	.022	3/18/95	Rw
	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				3/21/95	Rw
	A) Time					
	B) Malfunctions					
	C) Pierced Primers					
	D) Optical Clarity of Scope					
645	Inspect for Live Ammo				3/21/95	Rw
655	Final Inspection					
	A) Headspace				3/22/95	Rw
	B) Trigger Pull					
	C) Function				3/22/95	Rw
660	Pack					

Final Inspection

Sn: C6225117

DATE REC'D: 2/24/95

DATE RET'D:

AUDITOR: *PM*

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: _____

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06225117
28 Mar 1995

CENTROIDAL DISTANCES

0 TO	1	.082801
1 TO	2	.552819
1 TO	3	.258327
1 TO	4	.534329
1 TO	5	.181893

$\sigma_{\text{POI}}^2 = \frac{1}{n} \sum_{i=1}^n x_i^2 - (\bar{x})^2$

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0556
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0234
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0603235
THE AMR FOR THIS RIFLE IS: 1.123

28 Mar 1985

FILE:/PATTERNING/CENTERFIRE_PATT/08225117

CENTERFIRE PATTERNS # 1

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS = 10

IN CIR

1 in = 0

2 in = 5

3 in = 8

HS = 2.275

VS = 2.839

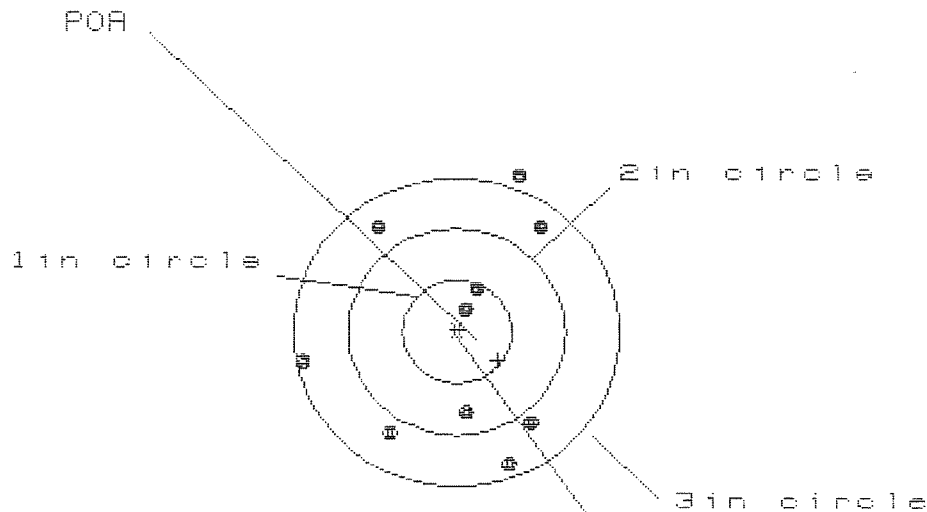
GS = 2.889

PATTERN #	:	1	2	3
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.210	1.252	1.318
MINIMUM X	:	-1.065	-1.023	-.957
MAXIMUM Y	:	1.120	.929	.714
MINIMUM Y	:	-1.719	-1.724	-1.149
CENTROID X	:	.066	.024	-.042
CENTROID Y	:	-.050	.141	.356
POA TO CENTROID in.	:	.083	.143	.359
MIN RADIUS	:	.630	.440	.226
MEAN RADIUS	:	1.075	.945	.767
MAX RADIUS	:	1.761	1.802	1.383
HORIZONTAL SPREAD	:	2.275	2.275	2.275
VERTICAL SPREAD	:	2.839	2.653	1.863
EXTREME SPREAD	:	2.889	2.727	2.307
NUMBER IN ONE INCH CIRCLE	=	0		
NUMBER IN TWO INCH CIRCLE	=	5		
NUMBER IN THREE INCH CIRCLE	=	8		

28 Mar 1995

FILE:/PATTERNING/CENTERFIRE_PATT/08225117

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 3

3 in = 9

HS= 2.120

VS= 2.856

GS= 2.861

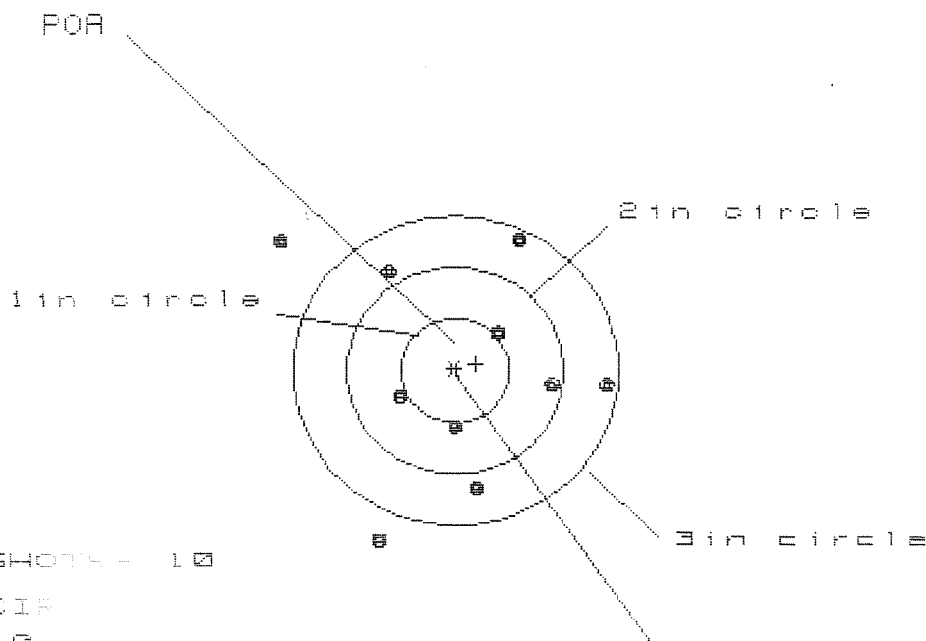
CENTROID *

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.730	.799	.633
MINIMUM X	:	-1.389	-1.321	-.821
MAXIMUM Y	:	1.554	1.237	1.218
MINIMUM Y	:	-1.302	-1.130	-1.149
CENTROID X	:	-.379	-.448	-.283
CENTROID Y	:	.278	.106	.125
POA TO CENTROID in.	:	.471	.460	.309
MIN RADIUS	:	.235	.418	.389
MEAN RADIUS	:	1.068	1.002	.944
MAX RADIUS	:	1.670	1.400	1.469
HORIZONTAL SPREAD	:	2.120	2.120	1.454
VERTICAL SPREAD	:	2.856	2.367	2.367
EXTREME SPREAD	:	2.861	2.639	2.639
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		9	

28 Mar 1995

FILE:/PATTERNING/CENTERFIRE_PATT/06225117

CENTERFIRE PATTERNS # 3



OF SHOTS = 10

IN CIP

1 in = 0

2 in = 4

3 in = 8

HS= 2.992

VS= 2.930

GS= 3.309

CENTROID #

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.415	1.240	1.127
MINIMUM X	:	-1.577	-.906	-.933
MAXIMUM Y	:	1.299	1.374	1.188
MINIMUM Y	:	-1.631	-1.487	-1.210
CENTROID X	:	-.192	-.017	.096
CENTROID Y	:	-.063	-.207	-.021
POA TO CENTROID in.	:	.202	.208	.098
MIN RADIUS	:	.543	.466	.360
MEAN RADIUS	:	1.155	1.032	.928
MAX RADIUS	:	2.043	1.741	1.276
HORIZONTAL SPREAD	:	2.992	2.146	2.060
VERTICAL SPREAD	:	2.930	2.861	2.398
EXTREME SPREAD	:	3.309	3.158	2.434
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		8	

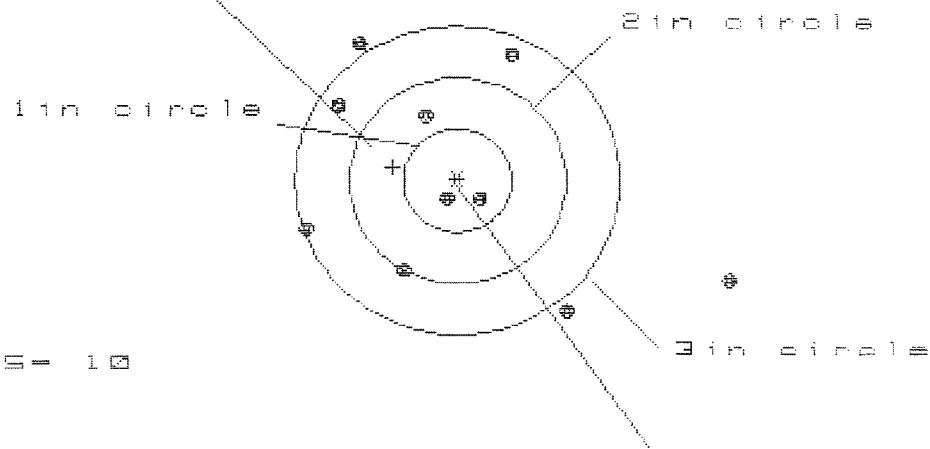
26 Mar 1995

FILE:/PATTERNING/CENTERFIRE_PATT/06225117

CENTERFIRE PATTERNS

4

POA



OF SHOTS- 10

IN CIR

1in = 2

2in = 3

3in = 7

HS= 3.930

VS= 2.542

GS= 4.102

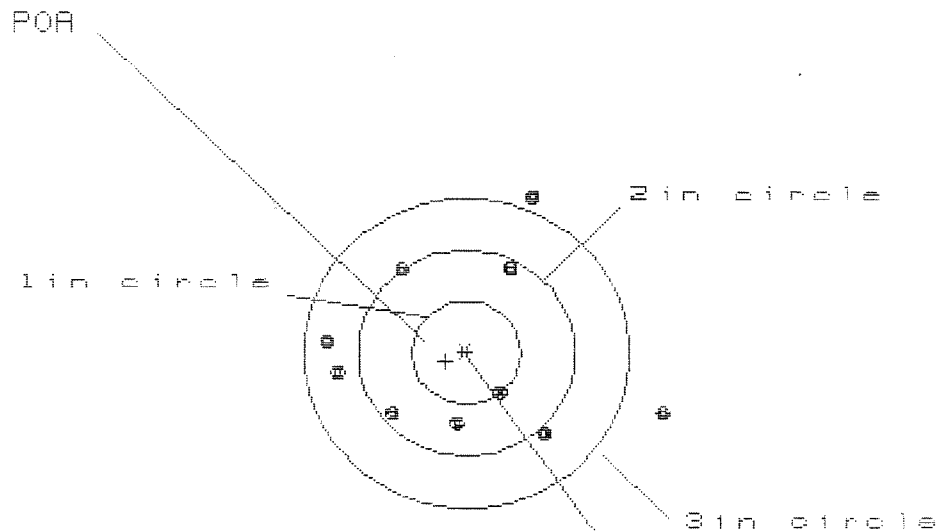
CENTROID #

PATTERN #	:	4	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	2.533	1.280	.981
MINIMUM X	:	-1.397	-1.116	-.956
MAXIMUM Y	:	1.310	1.202	1.034
MINIMUM Y	:	-1.232	-1.340	-1.181
CENTROID X	:	.594	.313	.153
CENTROID Y	:	-.132	-.024	.144
POA TO CENTROID in.	:	.609	.314	.210
MIN RADIUS	:	.170	.320	.367
MEAN RADIUS	:	1.221	1.037	.929
MAX RADIUS	:	2.714	1.854	1.369
HORIZONTAL SPREAD	:	3.930	2.396	1.937
VERTICAL SPREAD	:	2.542	2.542	2.215
EXTREME SPREAD	:	4.102	3.158	2.567
NUMBER IN ONE INCH CIRCLE =	:	2		
NUMBER IN TWO INCH CIRCLE =	:	3		
NUMBER IN THREE INCH CIRCLE =	:	7		

28 Mar 1995

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CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 5

3 in = 8

HS= 3.071

VS= 2.305

GS= 3.146

PATTERN #	5		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.775	.894	.994
MINIMUM X	-1.296	-1.098	-.998
MAXIMUM Y	1.491	1.425	.909
MINIMUM Y	-.814	-.880	-.701
CENTROID X	.189	-.009	-.108
CENTROID Y	.084	.150	-.029
POA TO CENTROID in.	.206	.150	.112
MIN RADIUS	.467	.654	.548
MEAN RADIUS	1.097	.999	.885
MAX RADIUS	1.872	1.634	1.216
HORIZONTAL SPREAD	3.071	1.992	1.992
VERTICAL SPREAD	2.305	2.305	1.610
EXTREME SPREAD	3.146	2.432	2.188
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		8	