

G 646 1559
Replaced
C. 622 528E

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: **RE00092202** Serial: C6225286 Model: M24 SWS Center Fire Caliber: 7.62 NATO Produced: 03/21/1998 Repairman: Status: Closed 2/17/2005 7:07:46 AM

Verify Repair

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
A017	Scope Base	1
A026	Scope	1
A057	Front and Rear Sgt Base	1

Repair Search Refresh Close

start 3 3

C6225286 (New)

Serial Number: **C6225286**

Model: **M24 SWS**



RE00092202

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: G6461559.___0
FILE DATE AND TIME: 08/09/2005 11:21

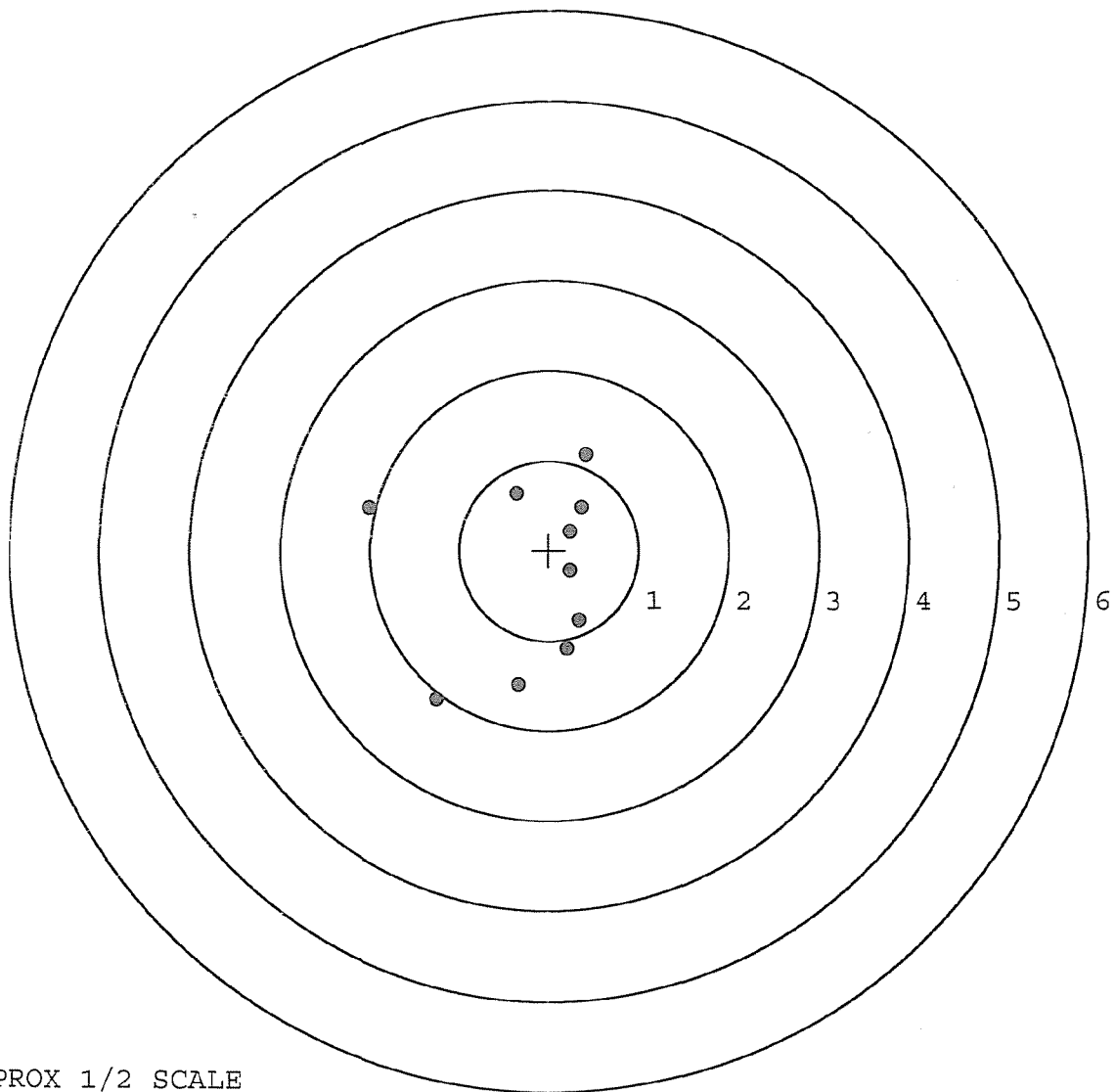
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.070
The Average Y Centroid of the Five Target Set:	-0.019
The Average Point of Impact of the Five Target Set:	0.073
The Average Mean Radius of the Five Target Set:	1.061
The Distance from POA to Centroid Target #1:	0.324
The Distance from Centroid Target #2 to Centroid Target #1:	0.567
The Distance from Centroid Target #3 to Centroid Target #1:	0.490
The Distance from Centroid Target #4 to Centroid Target #1:	0.388
The Distance from Centroid Target #5 to Centroid Target #1:	0.388

SERIAL NUMBER: G6461559. __0
TARGET NUMBER: 1
FILE DATE: 08/09/2005
FILE TIME: 11:21

X CENTROID: -0.222
Y CENTROID: -0.236
POA TO CENTROID: 0.324
HORZ SPREAD: 2.417
VERT SPREAD: 2.718
GROUP SPREAD: 2.719
MIN RADIUS: 0.456
MAX RADIUS: 1.933
MEAN RADIUS: 1.102
IN 1 IN DIAMETER: 1
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 8

POINT#	X	Y
1:	0.201	-1.091
2:	0.337	-0.774
3:	0.234	-0.229
4:	0.230	0.211
5:	0.360	0.481
6:	0.401	1.068
7:	-0.368	0.638
8:	-0.341	-1.492
9:	-1.257	-1.650
10:	-2.016	0.483

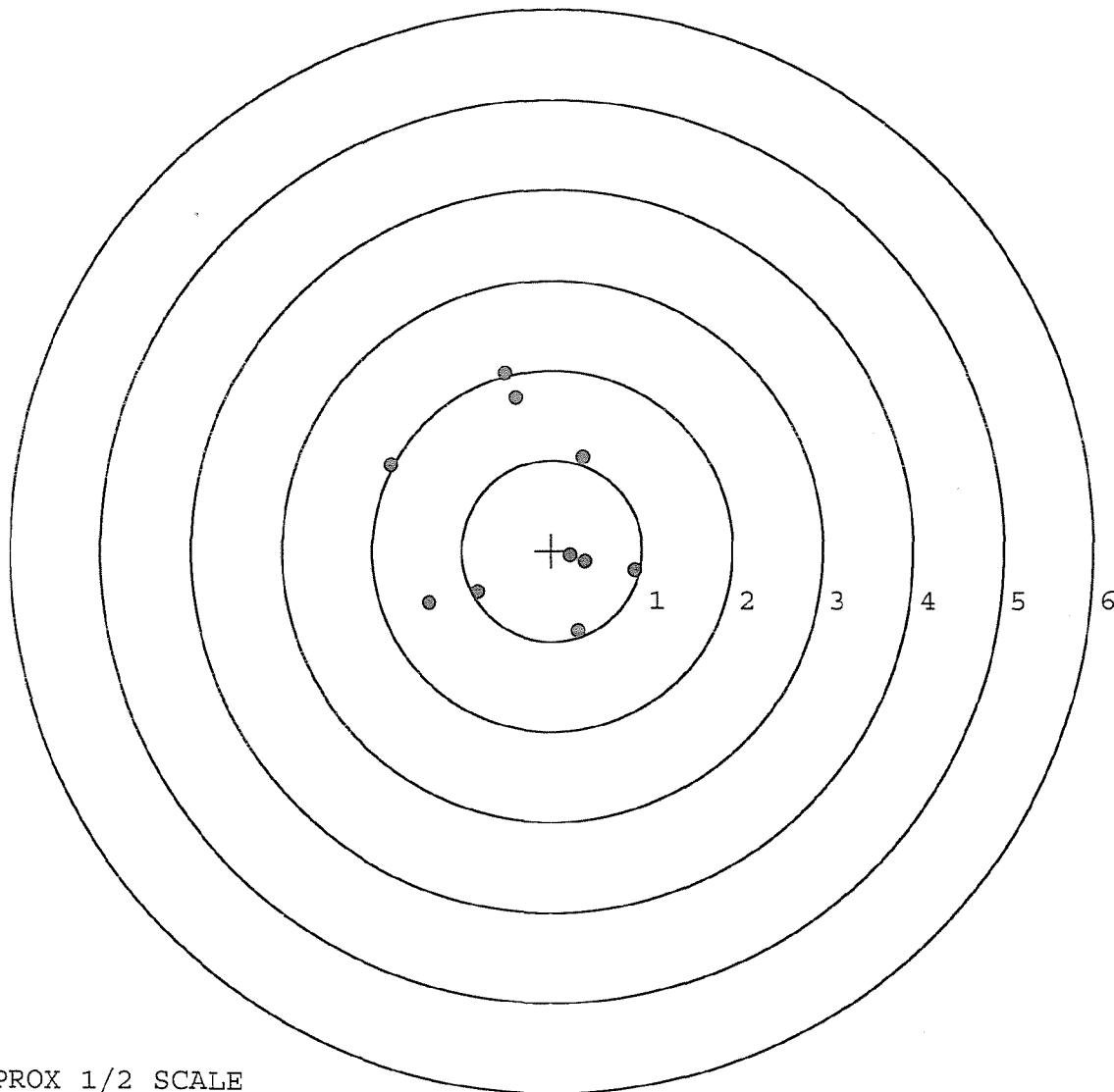


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6461559. __0
TARGET NUMBER: 2
FILE DATE: 08/09/2005
FILE TIME: 11:21

POINT#	X	Y
1:	0.925	-0.223
2:	0.295	-0.892
3:	0.368	-0.124
4:	0.210	-0.055
5:	0.341	1.032
6:	-0.825	-0.466
7:	-1.366	-0.585
8:	-1.794	0.942
9:	-0.406	1.691
10:	-0.528	1.965

X CENTROID: -0.278
Y CENTROID: 0.328
POA TO CENTROID: 0.430
HORZ SPREAD: 2.719
VERT SPREAD: 2.857
GROUP SPREAD: 2.973
MIN RADIUS: 0.621
MAX RADIUS: 1.655
MEAN RADIUS: 1.206
IN 1 IN DIAMETER: 0
IN 2 IN DIAMETER: 4
in 3 IN DIAMETER: 8

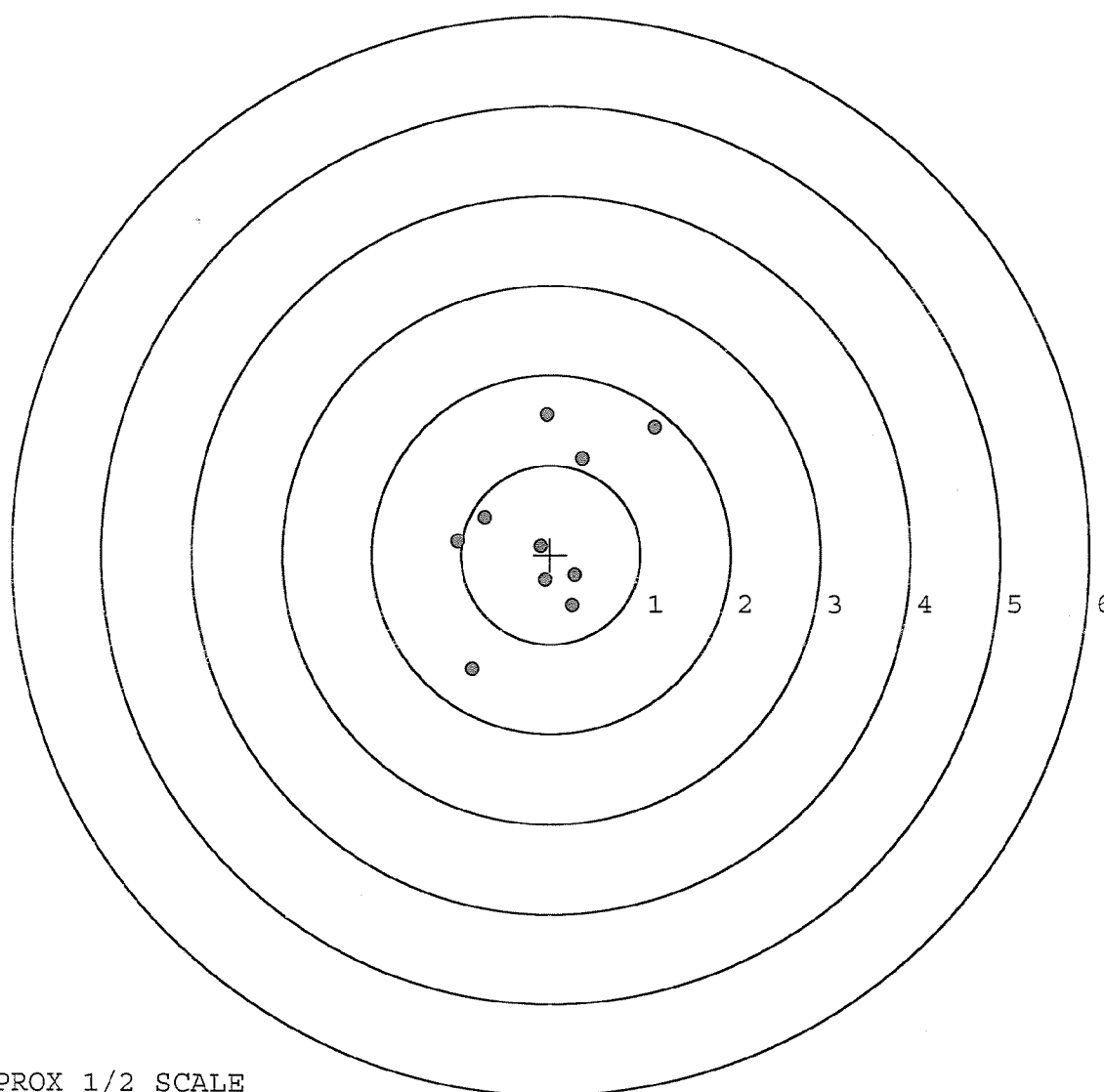


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6461559. __0
TARGET NUMBER: 3
FILE DATE: 08/09/2005
FILE TIME: 11:21

X CENTROID: -0.085
Y CENTROID: 0.235
POA TO CENTROID: 0.250
HORZ SPREAD: 2.189
VERT SPREAD: 2.838
GROUP SPREAD: 3.380
MIN RADIUS: 0.141
MAX RADIUS: 1.714
MEAN RADIUS: 0.944
IN 1 IN DIAMETER: 1
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 8

POINT#	X	Y
1:	-0.879	-1.280
2:	-0.740	0.414
3:	-1.035	0.155
4:	0.358	1.069
5:	-0.044	1.558
6:	1.154	1.420
7:	-0.108	0.096
8:	-0.066	-0.284
9:	0.269	-0.229
10:	0.244	-0.570



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6461559. __0

TARGET NUMBER: 4

FILE DATE: 08/09/2005

FILE TIME: 11:21

POINT#	X	Y
1:	0.273	-3.319
2:	0.465	-1.662
3:	0.027	-0.704
4:	-0.406	-0.869
5:	-0.258	-0.251
6:	-0.412	0.118
7:	0.031	0.403
8:	0.330	0.375
9:	0.933	0.587
10:	0.316	1.340

X CENTROID: 0.130

Y CENTROID: -0.398

POA TO CENTROID: 0.419

HORZ SPREAD: 1.345

VERT SPREAD: 4.659

GROUP SPREAD: 4.659

MIN RADIUS: 0.323

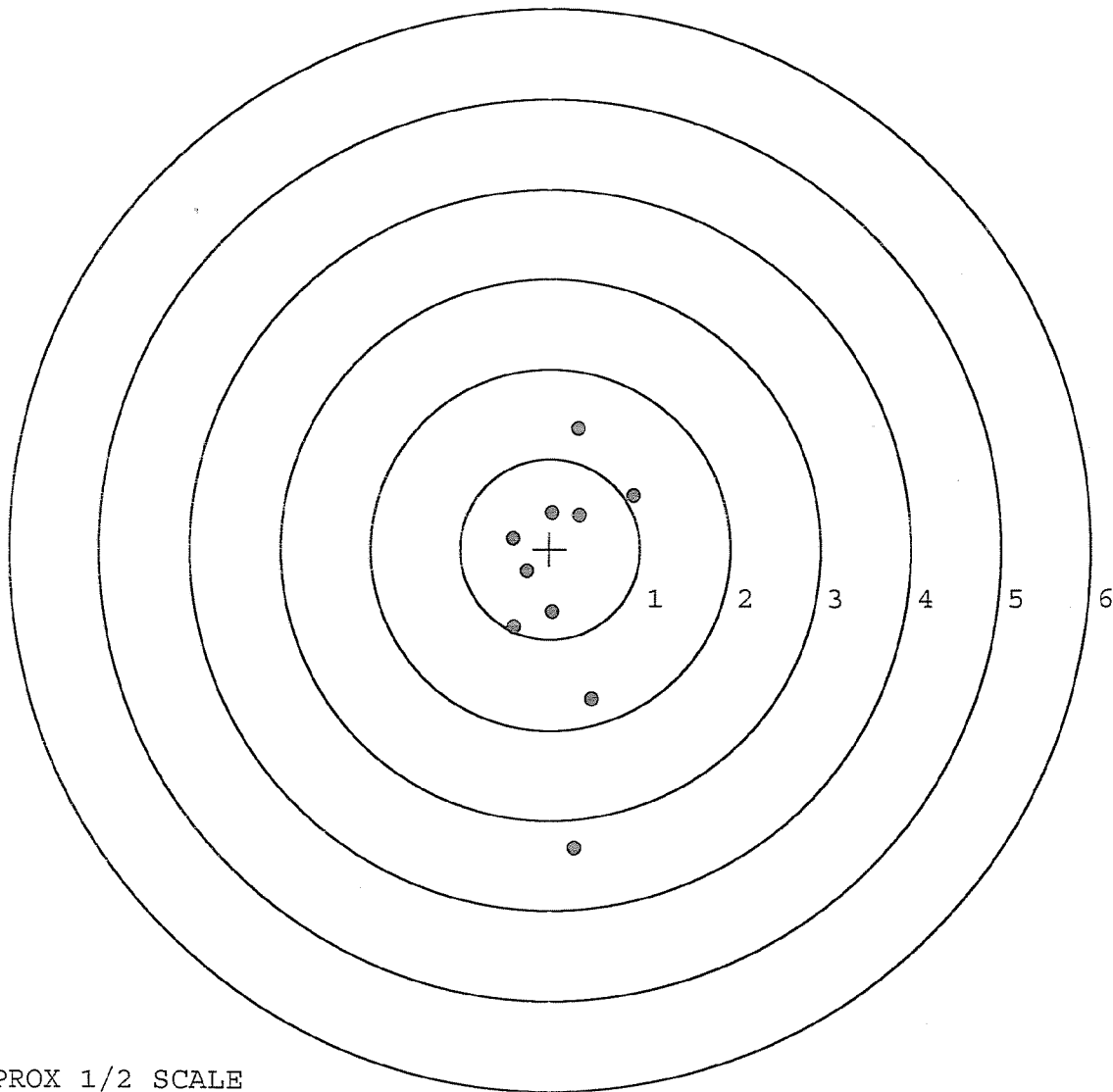
MAX RADIUS: 2.924

MEAN RADIUS: 1.106

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 8

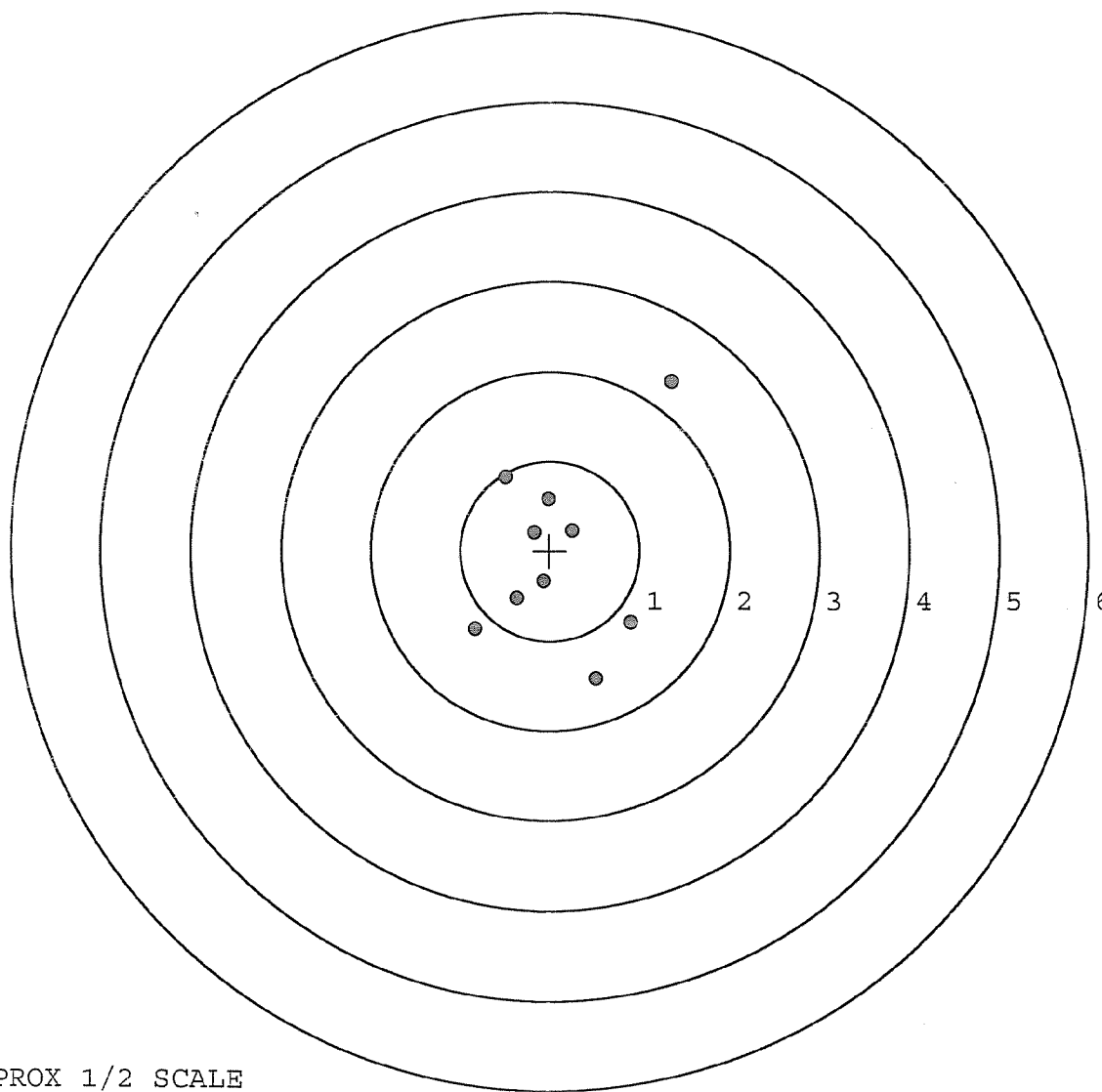


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6461559. __0
TARGET NUMBER: 5
FILE DATE: 08/09/2005
FILE TIME: 11:21

X CENTROID: 0.104
Y CENTROID: -0.025
POA TO CENTROID: 0.107
HORZ SPREAD: 2.189
VERT SPREAD: 3.312
GROUP SPREAD: 3.520
MIN RADIUS: 0.288
MAX RADIUS: 2.282
MEAN RADIUS: 0.948
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 5
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.515	-1.425
2:	0.903	-0.798
3:	-0.839	-0.870
4:	-0.371	-0.530
5:	-0.070	-0.342
6:	-0.176	0.202
7:	0.248	0.225
8:	-0.018	0.578
9:	-0.497	0.821
10:	1.350	1.887



TARGET APPROX 1/2 SCALE

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

R & E NUMBER	92202		
SERIAL NUMBER	60225286 604601559 New		
LOG-IN DATE	2-1-05		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	6-13-05	RTZ
560 A	RE-BARREL	6-20-05	RTZ
B	DRILL AND TAP	6-22-05	TRW
575	ASSEMBLE	6-20-05	RTZ
600	PROOF	6-22-05	Ac
605	CHECK HEADSPACE	6-22-05	Ac
610	DIS-ASSEMBLE GUN	6-22-05	RTZ
612	MAGNAFLUX	6/23/05	meb
615	ROLLMARK CALIBER	6-23-05	CW
618	ROTO-BLAST	7/7/05	JS
620	APPLY COATINGS	7-8-05	WJ
625 A	FINAL ASSEMBLY	7-4-05	RTZ
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE	8-15-05	Ac
D	SAFETY "OFF" FORCE	8-15-05	Ac
E	FIRING PIN INDENT	8-15-05	Ac
640	TARGET	8-9-05	TRW
655	FINAL INSPECT	8-15-05	Ac
660	PACK	9-2-05	DA
		SHIP DATE	
		QAR INSPECTION DATE	

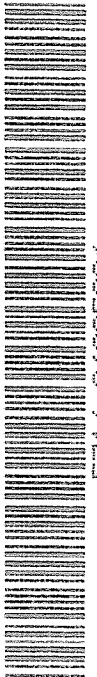
Remington[®]  REG. U.S. PAT. & TM. OFF.

MODEL 700TM M24

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

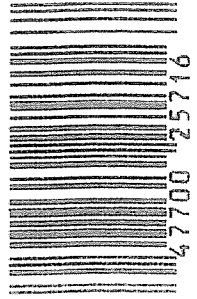
VERY IMPORTANT:
Instruction Book
enclosed to assure
safe use of this
firearm.

SERIAL NO. 06225286	ORDER NO. 5716
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5716 06225286

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # 06225286

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	12 9	88	RW
600	Proof	12 9	88	RW
607	Check Headspace	12 9	88	RW
610	Dis-assemble Gun	12 9	88	RW
612	Magnaflux Barrel Action		12/22/88	P/c.
	Magnaflux Bolt		1-3-89	P/c.
615	Rollmark Caliber		12/22/88	MBC
617	Drill and Tap Sight Holes	1 3	89	FB
618	Polish Barrel	12 2	88	WJL
620	Apply Coatings (Barrel Action)		1-16-89	TA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		2/7/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		2/7/89	RW
	C) Inspect Ejector Hole for Chamfer		2/7/89	RW
	D) Oil Firing Pin Ass'y		2/7/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		7 Feb 89	JH

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4	4	4			10 Feb 89	JS
	G) Safety Off Force	3	3	3			10 Feb 89	JS
	H) Trigger Pull Test & Retainability						7 Feb 89	JS
	I) Firing Pin Indent	.0205	.0205	.021			10 Feb 89	JS
	J) Assemble Stock						2/28/89	RW
	K) Assemble Swivel Studs						7 Mar 89	JS
	L) Attach Front and Rear Sight Assemblies						2/28/89	RW
	M) Iron Sight Alignment						2/28/89	RW
	N) Detach Front & Rear Sights & place in numbered container						2/28/89	RW
	O) Attach Scope to Rifle						3/1/89	WB
	P) Detach & Attach Scope 20 Times						3/1/89	WB
640	Gallery Target & Test	60R	93L				3-3-89	AC
	A) Time						"	AC
	B) Malfunctions				NONE		"	AC
	C) Pierced Primers				NONE		"	AC
	D) Optical Clarity of Scope				OK		"	AC
645	Inspect for Live Ammo				NONE		3-3-89	AC
655	Final Inspection							
	A) Headspace						7 Mar 89	JS
	B) Trigger Pull	2.34	2.49	2.39	2.34	2.34	7 Mar 89	JS
	C) Function						7 Mar 89	JS
660	Pack						22 Mar 89	JS

SWS TRIGGER PULL TEST

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

SERIAL NO. 5286
DATE 3-31-98
TESTER J. U.

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.23	2.33		2.35	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.28	2.35		2.25	
PULL #3	2.39	2.36		2.22	
PULL #4	2.36	2.31		2.27	
PULL #5	2.18	2.30		2.27	
TOTAL	11.44	11.65		11.36	
AVG.	2.288	2.33		2.272	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.37	3.35		
PULL #2	3.41	3.35		
PULL #3	3.37	3.37		
PULL #4	3.60	3.33		
PULL #5	3.50	3.35		
TOTAL	17.39	16.75		
AVG.	3.478	3.15		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.23	4.30		
PULL #2	4.23	4.36		
PULL #3	4.16	4.40		
PULL #4	4.39	4.41		
PULL #5	4.41	4.36		
TOTAL	21.42	21.83		
AVG.	4.284	4.366		

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225286
6 Mar 1989

CENTROIDAL DISTANCES

0 TO	1	1.43927
1 TO	2	.776723
1 TO	3	.477038
1 TO	4	.914904
1 TO	5	.586744

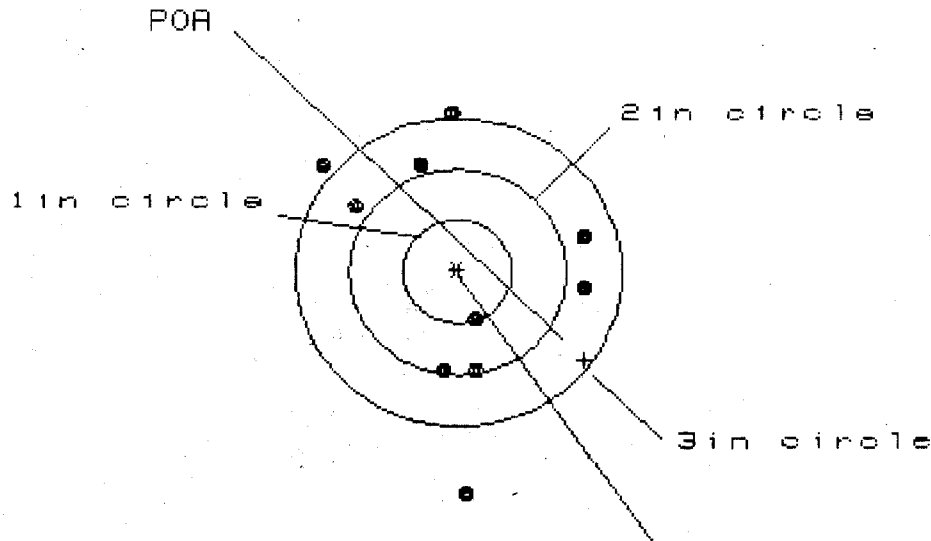
1 4
352 + <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.8308
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .5172
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .978634
THE AMR FOR THIS RIFLE IS: 1.003

3 Mar 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C62252B6

CENTERFIRE PATTERNS # 1



OF SHOTS - 10

IN CIR

1 in - 1

2 in - 3

3 in - 7

HS - 2.434

VS - 3.718

GS - 3.718

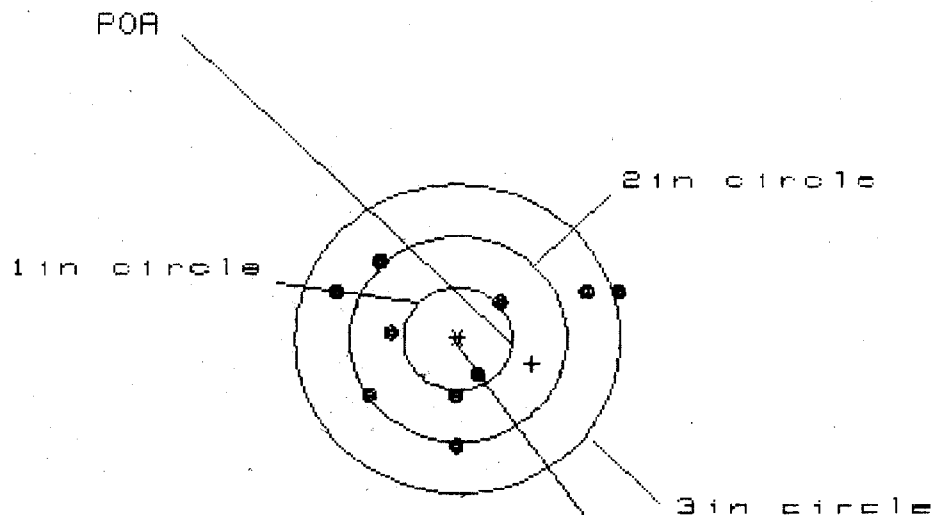
CENTROID *

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.204	1.207	1.054
MINIMUM X	:	-1.230	-1.227	-1.110
MAXIMUM Y	:	1.564	1.324	1.425
MINIMUM Y	:	-2.154	-1.216	-1.115
CENTROID X	:	-1.160	-1.163	-1.010
CENTROID Y	:	.852	1.092	.991
POA TO CENTROID in.	:	1.440	1.595	1.415
MIN RADIUS	:	.444	.679	.568
MEAN RADIUS	:	1.246	1.144	1.084
MAX RADIUS	:	2.155	1.469	1.438
HORIZONTAL SPREAD	:	2.434	2.434	2.164
VERTICAL SPREAD	:	3.718	2.540	2.540
EXTREME SPREAD	:	3.719	2.710	2.542
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		7	

3 Mar 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C62252B6

CENTERFIRE PATTERNS # 2



OF SHOTS - 10

IN CIR

1 in = 1

2 in = 5

3 in = 9

HS = 2.576

VS = 1.785

GS = 2.576

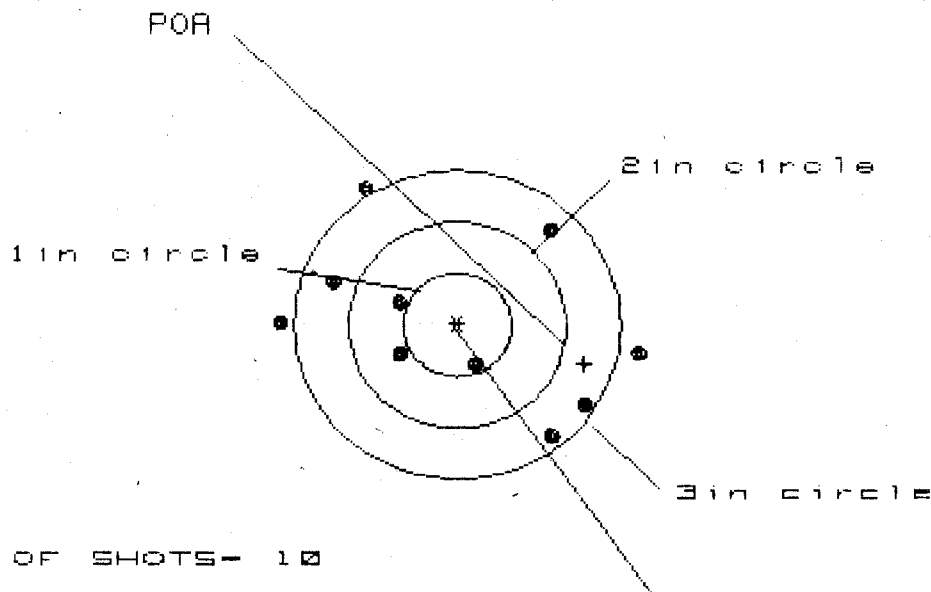
CENTROID *

PATTERN #	:			
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.509	1.365	.720
MINIMUM X	:	-1.067	-.899	-.729
MAXIMUM Y	:	.736	.788	.853
MINIMUM Y	:	-1.049	-.997	-.932
CENTROID X	:	-.683	-.851	-1.021
CENTROID Y	:	.239	.187	.122
POA TO CENTROID in.	:	.724	.871	1.028
MIN RADIUS	:	.446	.505	.378
MEAN RADIUS	:	.926	.834	.736
MAX RADIUS	:	1.579	1.462	.987
HORIZONTAL SPREAD	:	2.576	2.264	1.449
VERTICAL SPREAD	:	1.785	1.785	1.785
EXTREME SPREAD	:	2.576	2.264	1.935
NUMBER IN ONE INCH CIRCLE =			1	
NUMBER IN TWO INCH CIRCLE =			5	
NUMBER IN THREE INCH CIRCLE =			9	

3 Mar 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C62252B6

CENTERFIRE PATTERNS # 3



OF SHOTS - 10

IN CIR

1 in = 1

2 in = 3

3 in = 7

HS = 3.290

VS = 2.399

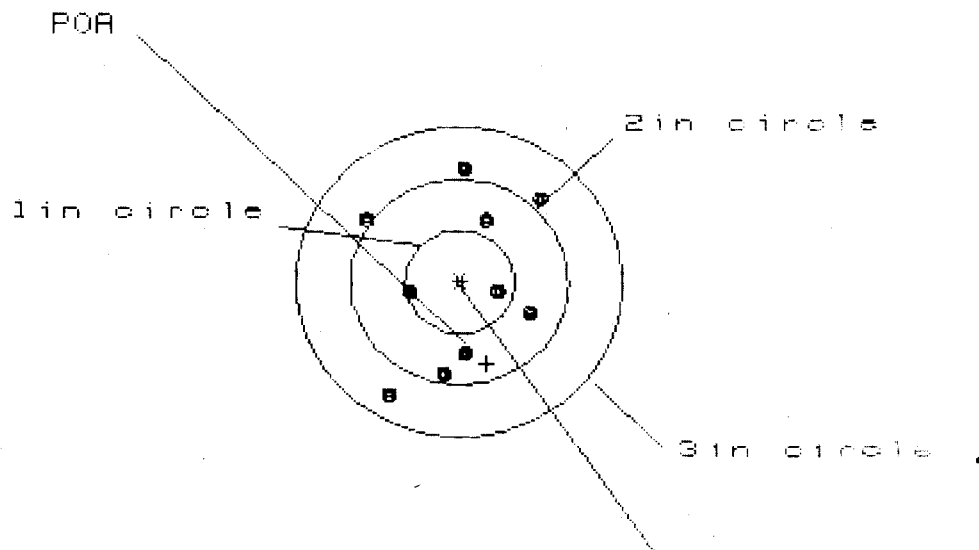
GS = 3.300

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.670	1.305	1.126
MINIMUM X	:	-1.620	-1.435	-1.153
MAXIMUM Y	:	1.320	1.291	1.287
MINIMUM Y	:	-1.079	-1.108	-1.112
CENTROID X	:	-1.166	-1.351	-1.172
CENTROID Y	:	.375	.404	.408
POA TO CENTROID in.	:	1.224	1.410	1.241
MIN RADIUS	:	.417	.410	.450
MEAN RADIUS	:	1.186	1.103	1.071
MAX RADIUS	:	1.690	1.561	1.553
HORIZONTAL SPREAD	:	3.290	2.740	2.279
VERTICAL SPREAD	:	2.399	2.399	2.399
EXTREME SPREAD	:	3.300	2.994	2.994
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		7	

3 Mar 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225286

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in = 2

2in = 6

3in = 10

HS= 1.567

VS= 2.163

GS= 2.314

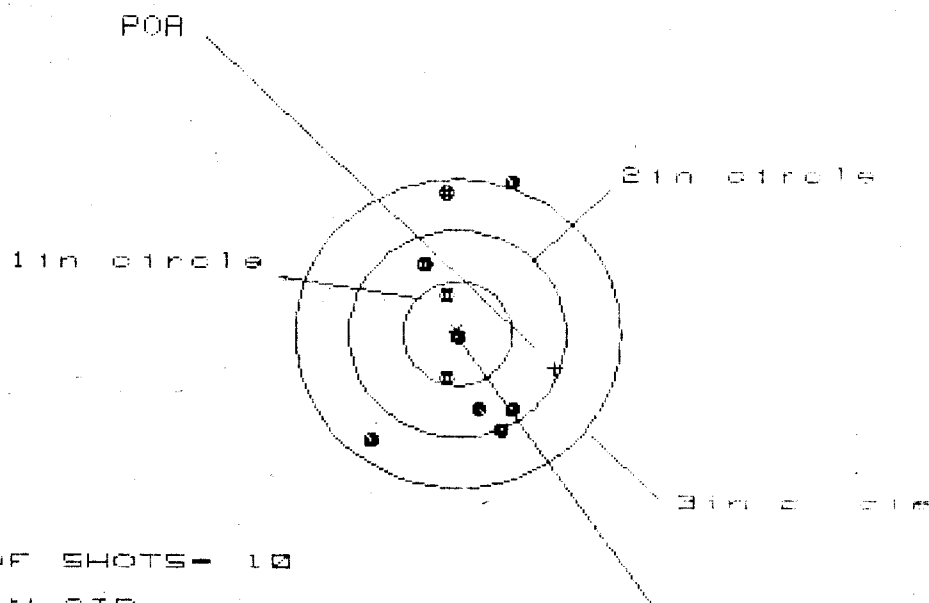
CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.749	.677	.669
MINIMUM X	:	-.818	-.890	-.898
MAXIMUM Y	:	1.105	.988	.793
MINIMUM Y	:	-1.058	-.960	-.837
CENTROID X	:	-.247	-.175	-.167
CENTROID Y	:	.793	.910	.787
POA TO CENTROID in.	:	.830	.927	.804
MIN RADIUS	:	.348	.350	.272
MEAN RADIUS	:	.808	.755	.708
MAX RADIUS	:	1.240	1.005	1.075
HORIZONTAL SPREAD	:	1.567	1.567	1.567
VERTICAL SPREAD	:	2.163	1.948	1.630
EXTREME SPREAD	:	2.314	1.956	1.871
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

3 Mar 1989

FILE: \PATTERNING\CENTERFIRE_PATT\CB2252B

CENTERFIRE PATTERNS # 5



OF SHOTS - 10

IN CIR

1 in = 3

2 in = 6

3 in = 9

HS = 1.393

VS = 2.456

GS = 2.824

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.544	.553	.542
MINIMUM X	:	-.349	-.789	-.800
MAXIMUM Y	:	1.477	1.504	.976
MINIMUM Y	:	-.980	-.815	-.626
CENTROID X	:	-.898	-.958	-.947
CENTROID Y	:	.327	.163	-.624
POA TO CENTROID in.	:	.956	.972	.947
MIN RADIUS	:	.074	.111	.091
MEAN RADIUS	:	.850	.745	.625
MAX RADIUS	:	1.573	1.506	1.022
HORIZONTAL SPREAD	:	1.393	1.342	1.342
VERTICAL SPREAD	:	2.456	2.319	1.664
EXTREME SPREAD	:	2.824	2.422	1.741
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

RECEIVING AND ESTIMATING REPORT

COMMENTS

ORDER

R92-17873

INITIAL
FPS

CUSTOMER ORDER NO.

M-24 SWS W/ADJUSTABLE RECOIL PAD
W/ULTRA 10X-M3A SCOPEDATE RECEIVED
09/04/92DATE OPENED
09/04/92DATE CODE
BJ 1-89SERIAL NUMBER
C6225286

NEW SERIAL NUMBER

MODEL AND GRADE
700 7.62

NATO

ACCESSORIES

W/STUDS

W/SWIVELS

HARD CASE

SCOPE MNTS

SCOPE BASE

FROM:

SHIP TO:

DEPARTMENT OF THE ARMYA
COMMANDER
D CO 782ND MAINTENANCE BN
FORT BRAGG NC 28307DEPARTMENT OF THE ARMYA
COMMANDER
D CO 782ND MAINTENANCE BN
FORT BRAGG NC
28307

CUST NO: 045582 C.O.D

ACCOUNT NUMBER

ACCOUNT NUMBER N/C

WRITE ☐

CLEAN/TEST

PROM. DATE

ESTIMATED

VIA

UPS

GUN CONDITION

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

REPAIR CHARGE

EXCISE

TAX

INSURANCE

UPS

PARCEL POST

TOTAL

CUSTOMER CONCERN

AMMO

FUNCTION

FINISH

ACCURACY

FIT

INSPECT

CYCLE

A1

B1

TRIGGER GROUP

B2

E1

F1

BOLT ASSY.

B3

E2

F2

BARREL ASSY.

B4

D1

E3

F3

REC. ASSY.

B5

D2

E4

F4

WOOD

C1

D3

E5

F5

METAL

C2

MAIN FAULT

PARTS

COMMENTS

Replace Stock
Refinish Barreled Hat
" Trig Gro

REPAIRMAN

PROOF

CLEAN

TEST

TARGET

PATTERN

GALLERY TESTER

DATE

DATE

DATE

DATE

DATE

OFFICE COPY

RD5925 REV. 1/92

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

M2400153051

B-5869

MAINTENANCE REQUEST				PAGE NO.	NO. OF PAGES	REQUIREMENTS CONTROL SYMBOL			
For use of this form, see DA PAM 738-750; the proponent agency is DCSLOG						CSGLD - 1047(R1)			
SECTION I - EQUIPMENT DATA									
CONTROL NUMBER		WORK ORDER NO.		WESDC		ORG. PD		PD AUTHENTICATION	
☐ Work Request ☐ MWO ☐ Warranty Claim		1A. ORGANIZATION		B. LOCATION		C. UNIT IDENT CODE			
		Dco 782 Maint Bn		FBNC 28307		WABYDO			
2. SERIAL NO.		3. NOUN NOMENCLATURE		4. LINE NO.		5. MODEL		6. NATIONAL STOCK NUMBER	
C6225286		Sniper Rifle				M-24		1005-01-240-2136	
7A. MAINTENANCE ACTIVITY		B. LEVEL		8. UTILIZATION CODE		9A. MCSR ITEM		9B. ERC	
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		☐ 790 Out of Adjustment ☐ Other	
16A. DESCRIBE DEFICIENCIES OR SYMPTOMS ON THE BASIS OF COMPLETE CHECKOUT AND DIAGNOSTIC PROCEDURE IN EQUIPMENT TM (Do not prescribe repairs).									
Weapon Broken half (Buttstock) Request Repair									
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			
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