

C6522178

MODEL 760TM M24

Model **SMS**TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

Smith

Repair Inquiry

Repair Number: RE00123768

Serial: C6522178 Model M24 SWS Center Fire
Caliber: 308

Repairman:

Verify Repair

Status:

Closed 1/17/2007 8:14:16 AM

Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name: DEPT OF ARMY COO 2/1 SFG (A)

DEPT OF ARMY COO 2/1 SFG (A)

Address 1: ATTN SGT SHEPARD DONALD

ATTN SGT SHEPARD DONALD

Address 2: BOX 339500 MS 78

PO Box:

BOX 339500 MS 78

PO Box:

City: FORT LEWIS

FORT LEWIS

State: WA

Zip Code: 98433

Country: US

State: WA

Zip Code: 98433

Country: US

FFL:

Contact / Condition

Problems

Estimate

History / Status

Shipping / Billing

Contact Information

Phone: NA

Fax:

Email:

Comments:

Received Condition

Fair

Condition
Notes:CSR
Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	3
A010	Hard Case	1
A017	Scope Base	2

Repair Search

Refresh

Close

naglej

1/17/2007

9:54 AM

CAPS

NUM

INS

SCRL

start

4 M...

Arms...

Part S...

B Int...

RACI...

SAP L...

9:54 AM

Serial Number: C6522178

Model: M24 SWS



RE00123768

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6522178.___0
FILE DATE AND TIME: 01/31/2007 12:49

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.024
The Average Y Centroid of the Five Target Set:	0.081
The Average Point of Impact of the Five Target Set:	0.085
The Average Mean Radius of the Five Target Set:	0.835
The Distance from POA to Centroid Target #1:	0.360
The Distance from Centroid Target #2 to Centroid Target #1:	0.269
The Distance from Centroid Target #3 to Centroid Target #1:	0.420
The Distance from Centroid Target #4 to Centroid Target #1:	0.393
The Distance from Centroid Target #5 to Centroid Target #1:	0.431

SERIAL NUMBER: C6522178. __0

TARGET NUMBER: 1

FILE DATE: 01/31/2007

FILE TIME: 12:49

POINT#	X	Y
1:	0.036	-1.032
2:	-0.106	-0.637
3:	0.317	-0.412
4:	-1.350	-0.005
5:	-0.563	-0.296
6:	-0.193	0.332
7:	0.448	0.504
8:	0.705	0.944
9:	-0.091	1.733
10:	-1.058	1.952

X CENTROID: -0.186

Y CENTROID: 0.308

POA TO CENTROID: 0.360

HORZ SPREAD: 2.055

VERT SPREAD: 2.984

GROUP SPREAD: 3.178

MIN RADIUS: 0.025

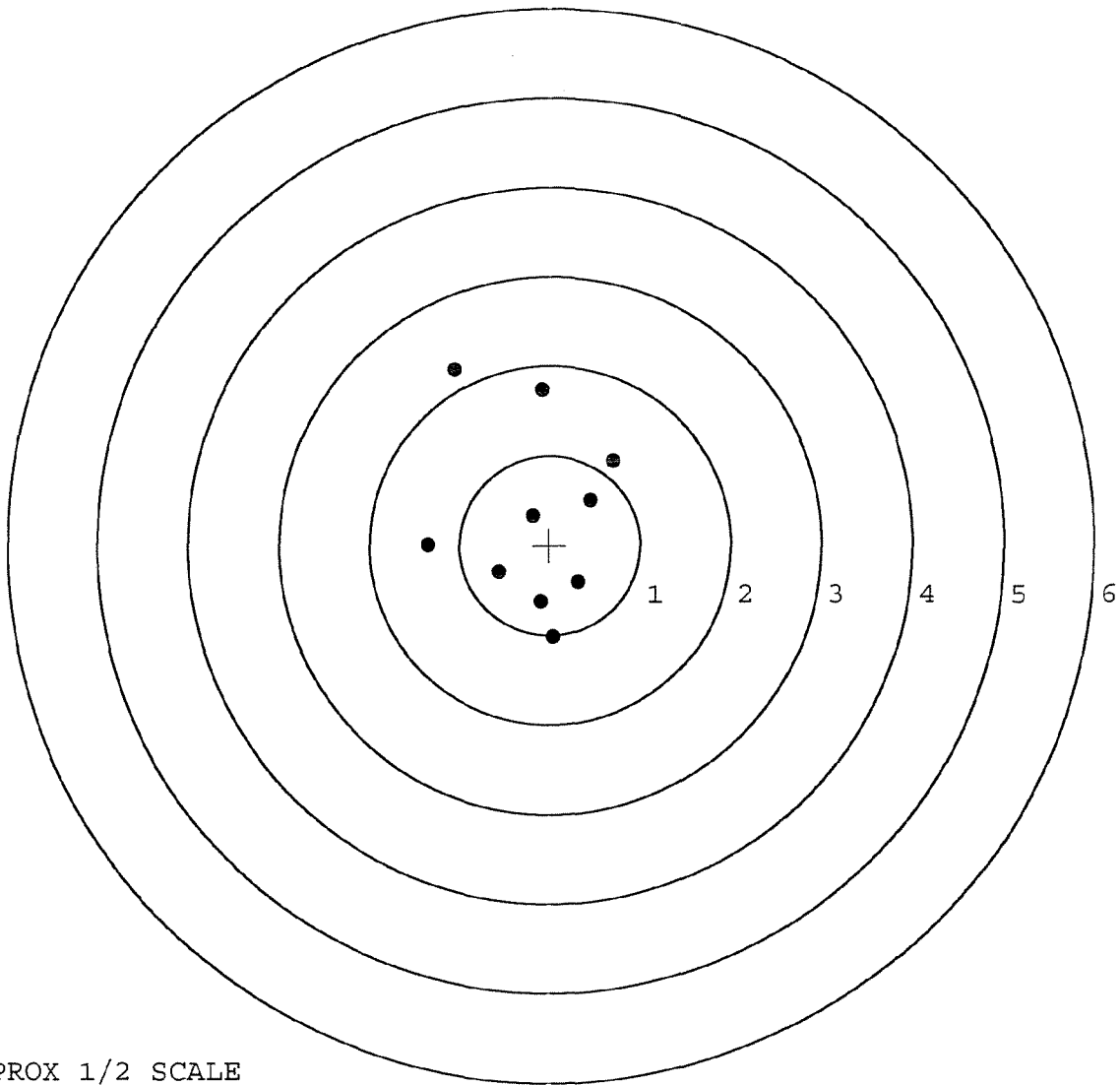
MAX RADIUS: 1.861

MEAN RADIUS: 1.017

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 5

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

BARBER - M24 0003446

SERIAL NUMBER: C6522178. 0

TARGET NUMBER: 2

FILE DATE: 01/31/2007

FILE TIME: 12:49

POINT#	X	Y
1:	0.041	-0.811
2:	-0.485	-0.649
3:	0.729	-0.536
4:	-0.248	-0.017
5:	0.055	-0.023
6:	0.443	0.288
7:	-0.044	0.319
8:	0.229	1.068
9:	-0.616	0.723
10:	-0.685	0.351

X CENTROID: -0.058

Y CENTROID: 0.071

POA TO CENTROID: 0.092

HORZ SPREAD: 1.414

VERT SPREAD: 1.879

GROUP SPREAD: 1.888

MIN RADIUS: 0.147

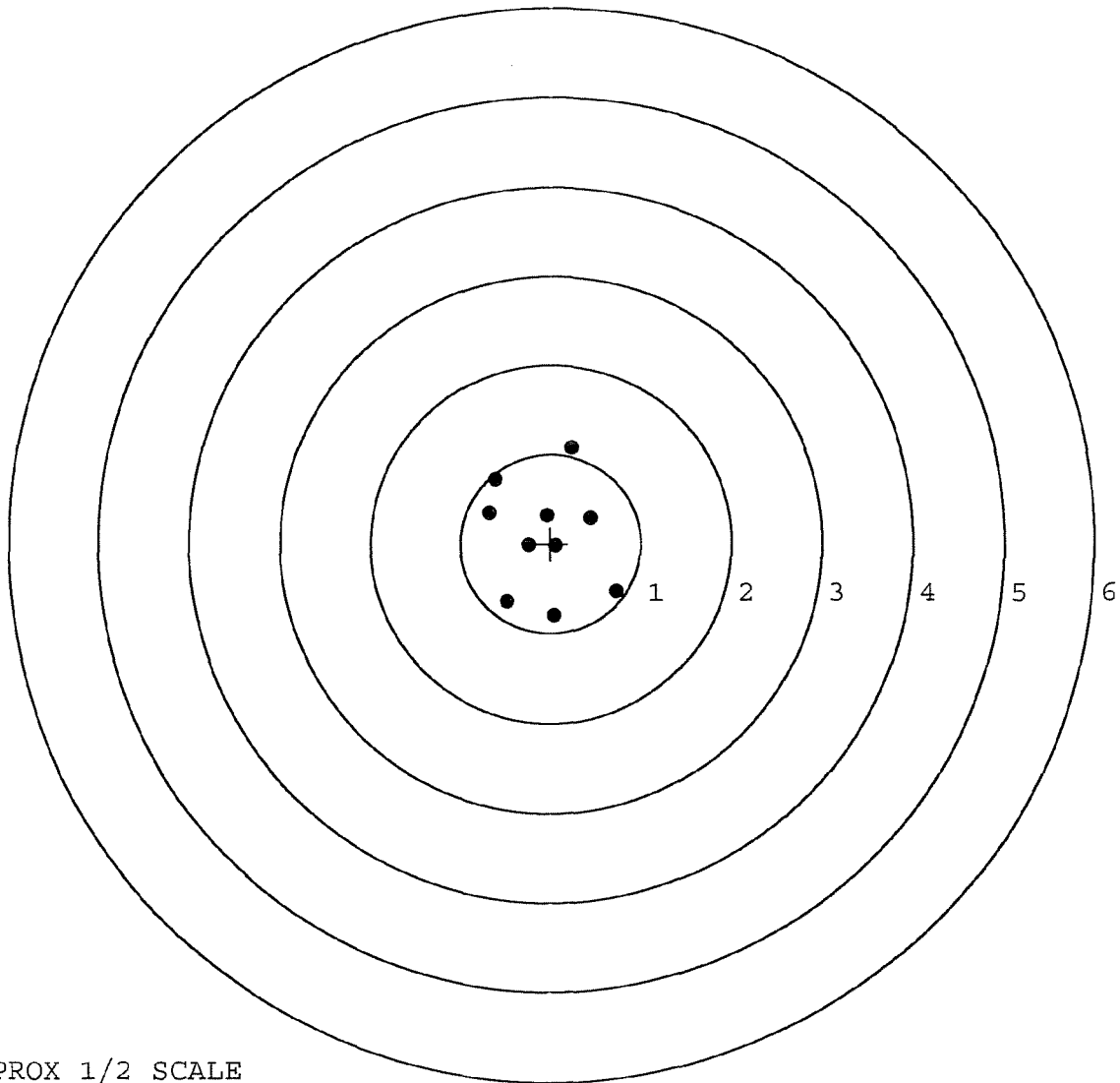
MAX RADIUS: 1.037

MEAN RADIUS: 0.645

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

BARBER - M24 0003447

SERIAL NUMBER: C6522178. __ 0

TARGET NUMBER: 3

FILE DATE: 01/31/2007

FILE TIME: 12:49

POINT#	X	Y
1:	-1.440	-0.411
2:	-0.780	-0.469
3:	-0.439	-0.209
4:	-0.107	-1.015
5:	1.199	-0.600
6:	0.569	-0.142
7:	1.372	0.437
8:	0.495	0.423
9:	0.088	0.829
10:	-0.007	1.113

X CENTROID: 0.095

Y CENTROID: -0.004

POA TO CENTROID: 0.095

HORZ SPREAD: 2.812

VERT SPREAD: 2.128

GROUP SPREAD: 2.937

MIN RADIUS: 0.494

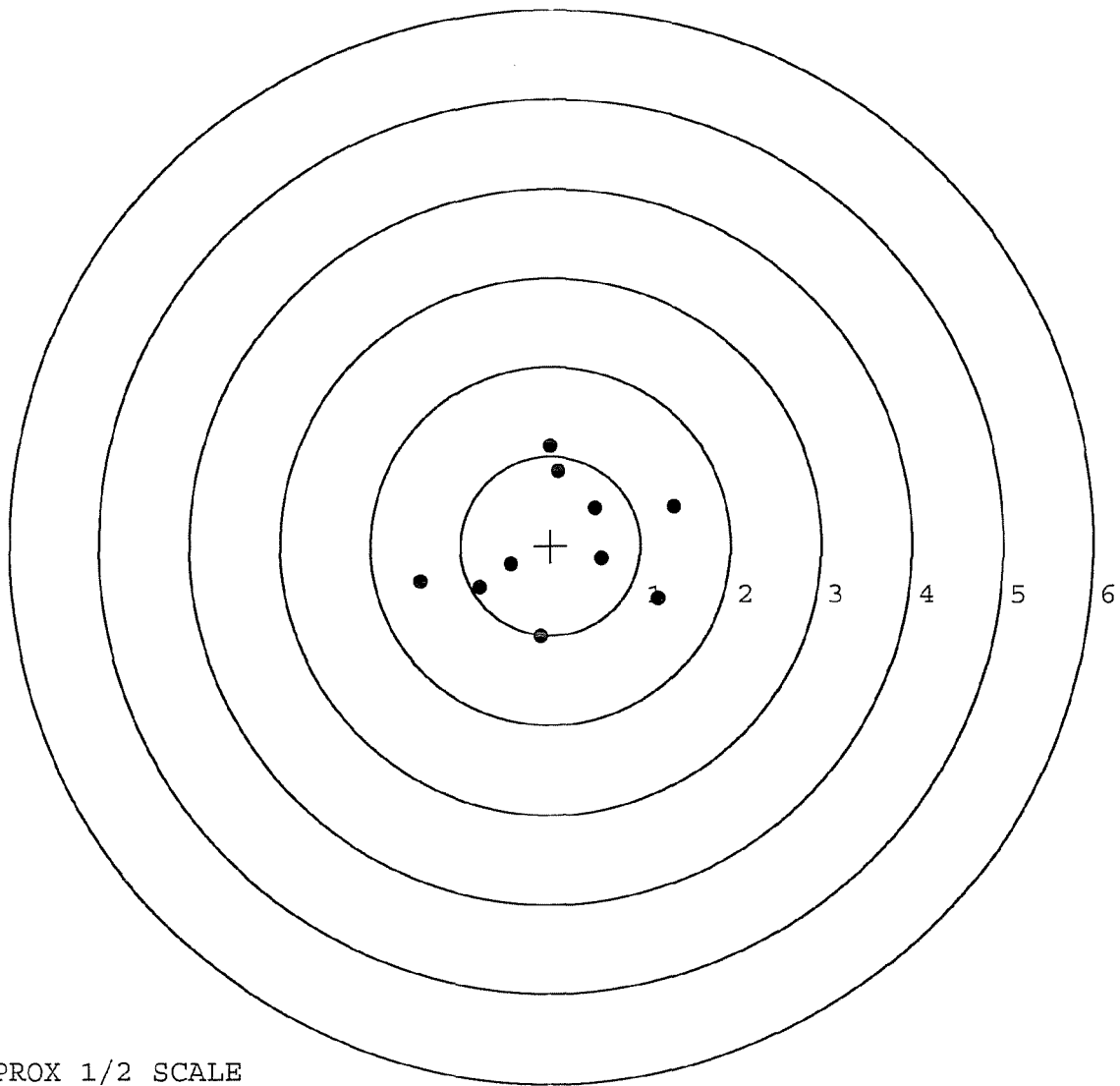
MAX RADIUS: 1.588

MEAN RADIUS: 0.982

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 5

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

BARBER - M24 0003448

SERIAL NUMBER: C6522178. __0

TARGET NUMBER: 4

FILE DATE: 01/31/2007

FILE TIME: 12:49

POINT#	X	Y
1:	-0.175	-0.801
2:	0.050	-0.901
3:	0.275	-0.574
4:	0.254	-0.111
5:	-0.089	-0.276
6:	0.365	0.558
7:	0.150	0.581
8:	-0.196	1.312
9:	-0.483	0.208
10:	-1.873	-0.836

X CENTROID: -0.172

Y CENTROID: -0.084

POA TO CENTROID: 0.192

HORZ SPREAD: 2.238

VERT SPREAD: 2.213

GROUP SPREAD: 2.725

MIN RADIUS: 0.209

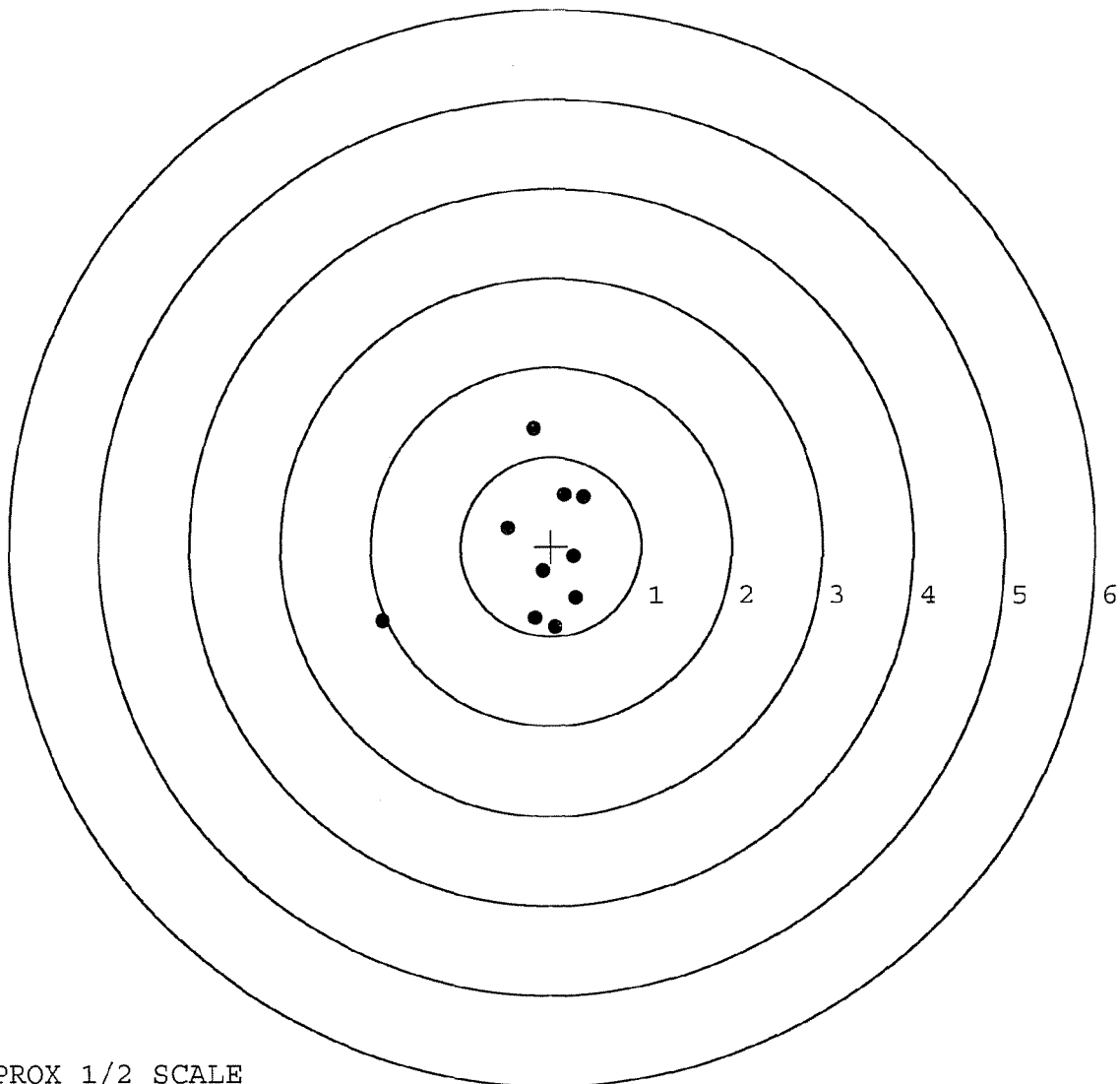
MAX RADIUS: 1.860

MEAN RADIUS: 0.812

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

BARBER - M24 0003449

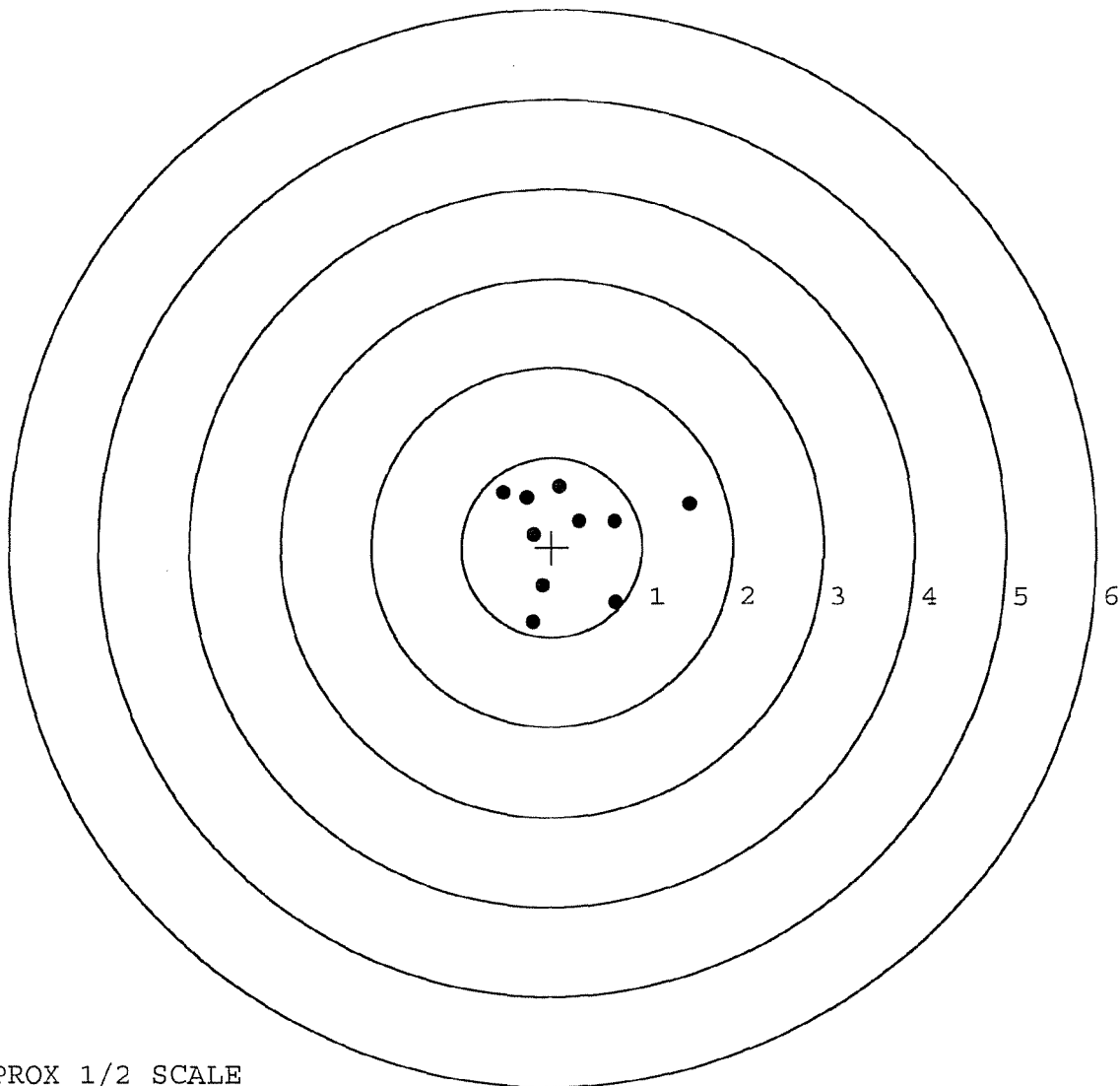
SERIAL NUMBER: C6522178. __0

TARGET NUMBER: 5

FILE DATE: 01/31/2007

FILE TIME: 12:49

	POINT#	X	Y
	1:	1.524	0.486
	2:	0.707	-0.616
	3:	0.700	0.287
	4:	0.304	0.287
	5:	0.089	0.674
	6:	-0.275	0.554
	7:	-0.534	0.607
	8:	-0.203	0.145
	9:	-0.101	-0.432
	10:	-0.208	-0.836
X CENTROID:		0.200	
Y CENTROID:		0.116	
POA TO CENTROID:		0.231	
HORZ SPREAD:		2.058	
VERT SPREAD:		1.510	
GROUP SPREAD:		2.179	
MIN RADIUS:		0.200	
MAX RADIUS:		1.375	
MEAN RADIUS:		0.716	
# IN 1 IN DIAMETER:		2	
# IN 2 IN DIAMETER:		8	
# in 3 IN DIAMETER:		10	



TARGET APPROX 1/2 SCALE

INSPECTION CHECKLIST - REPAIRS

CONTRACT #: DAAE-20-02-C-0149

R & E NUMBER	123768		
SERIAL NUMBER	06522178		
LOG-IN DATE	1-17-07		
OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	1-18-07	RTZ
505	RE-BARREL	1-19-07	RTZ
420	ASSEMBLE	1-19-07	RTZ
440	PROOF	MAGNA-FLUX INSPECTED	
460	CHECK HEADSPACE	1-19-07	RP
470	DIS-ASSEMBLE GUN	1-22-07	RTZ
480	MAGNAFLUX	1-23-07	APD
510	DRILL AND TAP	1-22-07	Fm
500	ROLLMARK CALIBER	1-23-07	CW
520	GOFF BLAST BBL / REC	1-23-07	LB
530 & 540	APPLY COATINGS	1-25-07	WR
560	FINAL ASSEMBLY	1-30-07	RTZ
640	FUNCTION TEST AND	PASS FAIL 1/30/07	non
650	TARGET	PASS FAIL 1/30/07	non
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION	1-30-07	TRW
	A) HEADSPACE	PASS FAIL 2-1-07	RTZ
	B) TRIGGER PULL	2.59 2.74 2.74 2.72 2.68 1-31-07	TRW
		2 LBS MIN 10 LBS MAX	
680	F) SAFETY ON FORCE	4.5 4.5 5.2 1-31-07	PA
		2 LBS	
	G) SAFETY OFF FORCE	3.2 3.2 3.2 1-31-07	PA
	I) FIRING PIN INDENT	.020	
690	PACK	1.025 1.024 1.024 1-31-07	PA
		2-1-07	PA

F006 REV 5/2006

BARREL ASSEMBLY	STOCK ASSEMBLY
BARREL	STOCK
RECEIVER	SLING SWIVEL STUDS
FRONT SIGHT BASE	
REAR SIGHT BASE	BUTT PATE
SCREWS	LOCK NUTS
FINISH	BARREL CLEARANCE
	COLOR / FINISH
SCOPE ASSEMBLY	SYSTEM CASE
SCOPE	SCOPE CASE
SCOPE RINGS	IRON SIGHTS
MOUNTING SCREWS	DEPLOYMENT KIT
MOUNTING BASE	
SCREWS	TRIGGER ASSEMBLY
FINISH	SAFETY OPERATION
CLARITY	RE-SET TO FACTORY SPECS
COMMENTS:	

F006 REV 5/2006

RECEIVING AND ESTIMATING REPORT

COMMENTS

ORDER
R 94-18291INITIAL FDC CUSTOMER ORDER NO.
DAAA09-92-C-0834- W/10X SCOPE, M-24 SNIPER, W/DEPLOYMENT KIT
ATTN: FRED MARTIN

DATE RECEIVED 06/10/94	DATE OPENED 06/10/94	DATE CODE	SERIAL NUMBER C6522178	NEW SERIAL NUMBER	MODEL AND GRADE 700 7-62 NATO
ACCESSORIES SLING STRAP HARD CASE SCOPE MNTS SCOPE BASE					

90-0467

FROM:

SHIP TO:

COMMANDER (W52H094138H226)
DEFENSE DIST DEPOT ANNISTON
ATTN DDAA-UR BLDG 112
ANNISTON

AL 36201-5025

COMMANDER (W52H094138H226)
DEFENSE DIST DEPOT ANNISTON
ATTN DDAA-UR BLDG 112
ANNISTONAL
36201-5025

CUST NO: 098397 CLO.DL

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

+ Stock	326.89
Trigger ASSY	173.21
X Mag Spring	1.70
Servo Rep	119.43
Clean/Insp/Prep	50.00
	721.23

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

RD5925 REV. 1/94

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 0003491

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

SERIAL NO. C6522178DATE 10-18-95TESTER DA

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.71	2.70	2.55		MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.64	2.61	2.53		
PULL #3	2.74	2.59	2.52		
PULL #4	2.77	2.57	2.53		
PULL #5	2.75	2.61	2.53		
TOTAL	13.41	13.08	12.66		
AVG.	2.72	2.61	2.53		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.06	3.02		
PULL #2	3.00	3.00		
PULL #3	3.00	3.03		
PULL #4	3.07	3.03		
PULL #5	3.07	3.02		
TOTAL	15.20	15.10		
AVG.	3.04	3.02		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.23	4.16	4.29	
PULL #2	4.19	4.14	4.28	
PULL #3	4.18	4.12	4.32	
PULL #4	4.18	4.14	4.29	
PULL #5	4.00	4.13	4.00	
TOTAL	20.78	20.69	21.18	
AVG.	4.15	4.13	4.23	

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C 6522178

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 and Tap Sight Holes			
618	Polish Barrel			
620	Apply Coatings (Barrel Action)			
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly			
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head			
	C) Inspect Ejector Hole for Chamfer			
	D) Oil Firing Pin Ass'y			
	E) Adjust Trigger Pull to Min Setting and Stake			

BARBER - M24 0003455

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	7	7	7			4/27	WB
	G) Safety Off Force	3 1/2	3 1/2	3 1/4			4/27	WB
	H) Trigger Pull Test & Retainability							
	I) Firing Pin Indent							
	J) Assemble Stock							
	K) Assemble Swivel Studs							
	L) Attach Front and Rear Sight Assemblies							
	M) Iron Sight Alignment							
	N) Detach Front & Rear Sights & place in numbered container							
	O) Attach Scope to Rifle							
	P) Detach & Attach Scope 20 Times							
640	Gallery Target & Test							
	A) Time							
	B) Malfunctions							
	C) Pierced Primers							
	D) Optical Clarity of Scope							
645	Inspect for Live Ammo							
655	Final Inspection							
	A) Headspace							
	B) Trigger Pull	2.80	2.76	2.76	2.76	2.67	4/27	WB
	C) Function							
660	Pack							

MAINTENANCE REQUEST For use of this form, see DA PAM 750-8; the proponent agency is DCS, G-4.				PAGE NO 1	NO OF PAGES 1	REQUIREMENT CONTROL SYMBOL CSGLD-1047(R1)					
SECTION I - CUSTOMER DATA				SECTION II - MAINTENANCE ACTIVITY DATA							
1a. UIC CUSTOMER WRIICM	1b. CUSTOMER UNIT NAME 271 16381	1c. PHONE NO	3a. WORK ORDER NUMBER (WON) 637 441	3b. SHOP 1ST DS/GS ARMS SHOP	3c. PHONE NO PT. LEWIS, WA						
2a. SAMS-2 UIC/SAMS-ITDA	2b. UTILIZATION CODE	2c. MCSR	4a. UIC SUPPORT UNIT WRIICM	4b. SUPPORT UNIT NAME PT. LEWIS, WA			INSP #5				
SECTION III - EQUIPMENT DATA											
5. TYPE MNT REQ CODE	6. ID	7. NSN 1605012402136	15a. FAILURE DETECTED DURING/WHEN DISCOVERED CODE (Enter code) See DA Pamphlets 738-750 and 738-751								
8. MODEL M24	9. NOUN RIFLE		15b. FIRST INDICATION OF TROUBLE/HOW RECOGNIZED CODE (Enter Code) See DA Pamphlets 738-750 and 738-751								
10a. ORG WON/DOC NO 160501	10b. EIC		16. MILES/KILOMETERS/HOURS/ROUNDS M K H R								
11. SERIAL NUMBER 1605012402136	12. QTY 1	13. PD	17. PROJECT CODE (if assigned)	18. ACCOUNT PROCESSING CODE	19. IN WARRANTY (enter Y or N)	20. ADMIN NO					
14. MALFUNCTION DESCRIPTION (for DSU, GSU/AVIM, DEPOT use)			21. REIMBURSABLE CUSTOMER (if Intransit customer enter Y or N)		22. LEVEL OF WORK						
			23. SIGNATURE								
24. DESCRIBE DEFICIENCIES OR SYMPTOMS ON THE BASIS OF COMPLETE CHECKOUT AND DIAGNOSTIC PROCEDURES IN EQUIPMENT TM (Do not prescribe repairs) Failure No go check											
25. REMARKS Return to Remington for repair											
26. TECHNICAL REFERENCES											
SECTION IV - TASK REQUIREMENTS DATA											
27a. FILE INPUT ACT CD	27b. TASK NO	27c. ACT CODE	27d. TASK DESCRIPTION	27e. QTY TO BE RPR	27f. WORK CENTER	27g. FAILURE CODE	27h. MH PROJ	27i. MH EXP			
	401	F	initial	1	010101	070	1	1			
	402	I	initial								
	403	G	initial								
SECTION V - PART REQUIREMENTS											
28a. FILE INPUT ACT CD	28b. TASK NO	28c. ID NO	28d. NSN OR PART NUMBER	28e. SFX CD	28f. QTY RQD	28g. QTY ISSUED	28h. NMCS CD	28i. FAILURE CODE	28j. STORAGE LOCATION	28k. INITIALS	28l. COST \$
28m. TOTAL MANHOURS			28n. TOTAL MANHOURS COSTS \$			28o. TOTAL PARTS COSTS \$					
SECTION VI - COMPLETION DATA											
29. QTY RPR 1		30. QTY CONDEMN		31. QTY NRTS		32. EVAC WON		33. EVAC UNIT NAME			
SECTION VII - ACTION SIGNATURES											
34a. SUBMITTED BY 71		35a. ACCEPTED BY Don		35c. DATE		36a. WORK STARTED BY Don		37a. INSPECTED BY Don		38a. PICKED UP BY	
34b. DATE 12-7-06	35b. STATUS C	35d. TIME	36b. STATUS 13	36c. DATE	36d. TIME	37b. STATUS R	37c. DATE	37d. TIME	38b. STATUS 4	38c. DATE 12-7-06	38d. TIME

DA FORM 2407, JUL 94

FILE COPY 5

Remington[®]

MODEL 700TM M24

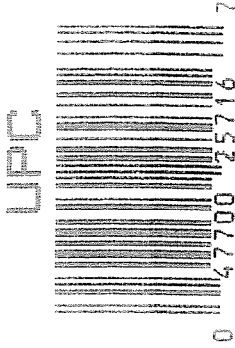
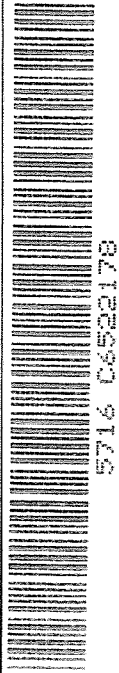
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off, Marca Registrada Marque Deposee.

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

REG. U.S. PAT. & T.M. OFF.

SERIAL NO.
C6522178

ORDER NO.
5716

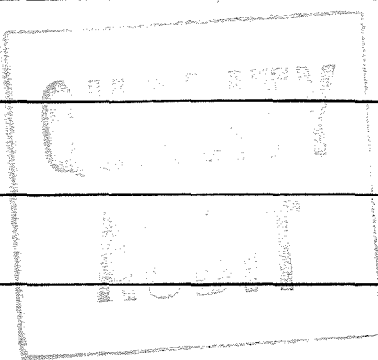


INTERCHANGEABILITY

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C 6522#78

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		6/27/90	KJ
600	Proof		6/27/90	KJ
607	Check Headspace		6/27/90	KJ
610	Dis-assemble-Gun		6/27/90	KJ
612	Magnaflux Barrel Action		7/10/90	KR
	Magnaflux Bolt		7/10/90	KR
615	Rollmark Caliber		7/10/90	S. S.
617	Drill and Tap Sight Holes		7/11/90	LB
618	Polish Barrel <i>RB</i>		7/13/90	WB
620	Apply Coatings (Barrel Action)		7-23-90	TJA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		8/2/90	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/2/90	KS
	C) Inspect Ejector Hole for Chamfer		8/2/90	KS
	D) Oil Firing Pin Ass'y		8/2/90	KS
	E) Adjust Trigger Pull to Min Setting and Stake		8-6-90	Q/L

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			7/27/90	921
	G) Safety Off Force	3	3	3			7/27/90	921
	H) Trigger Pull Test & Retainability						9-6-90	921
	I) Firing Pin Indent	.0235	.0235	.0235			7/27/90	921
	J) Assemble Stock						8/6/90	KS
	K) Assemble Swivel Studs						9/6/90	921
	L) Attach Front and Rear Sight Assemblies						8/6/90	KS
	M) Iron Sight Alignment						8/6/90	KS
	N) Detach Front & Rear Sights & place in numbered container						8/6/90	KS
	O) Attach Scope to Rifle						8/6/90	KS
	P) Detach & Attach Scope 20 Times						8/6/90	KS
640	Gallery Target & Test						8-9-90	DH
	A) Time						8-9-90	DH
	B) Malfunctions						8-9-90	DH
	C) Pierced Primers						8-9-90	DH
	D) Optical Clarity of Scope						8-9-90	DH
645	Inspect for Live Ammo						8-9-90	DH
655	Final Inspection							
	A) Headspace						9/6/90	921
	B) Trigger Pull	2.36	2.49	2.50	2.50	2.50	9-6-90	921
	C) Function						9/6/90	921
660	Pack						12-9-90	DH

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6522178

DATE 9-6-90

TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.32	2.27	2.25	2.36	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.28	2.27	2.20	2.49	
PULL #3	2.24	2.25	2.23	2.50	
PULL #4	2.29	2.26	2.23	2.50	
PULL #5	2.23	2.25	2.25	2.50	
TOTAL	11.36	11.30	11.16	12.35	
AVG.	2.272	2.26	2.232	2.47	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.45	3.47		
PULL #2	3.45	3.44		
PULL #3	3.43	3.46		
PULL #4	3.41	3.41		
PULL #5	3.44	3.44		
TOTAL	17.18	17.22		
AVG.	3.436	3.444		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.19	4.24		4.26
PULL #2	4.20	4.22		4.16
PULL #3	4.18	4.28		4.26
PULL #4	4.23	4.22		4.24
PULL #5	4.22	4.22		4.27
TOTAL	21.02	21.18		21.29
AVG.	4.204	4.236		4.258

INTERCHANGEABILITY

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6522178
12 Dec 1990

CENTROIDAL DISTANCES

0 TO	1	.136821
1 TO	2	.114586
1 TO	3	.25386
1 TO	4	.19244
1 TO	5	.618855

5. <----FOR

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0518
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0624
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0810987

THE AMR FOR THIS RIFLE IS: .9382

12 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06522178

CENTERFIRE PATTERNS # 1

POA

1 in circle

2 in circle

3 in circle

CENTROID #

OF SHOTS - 10

IN CIR

1 in = 2

2 in = 6

3 in = 9

HS = 2.507

VS = 2.379

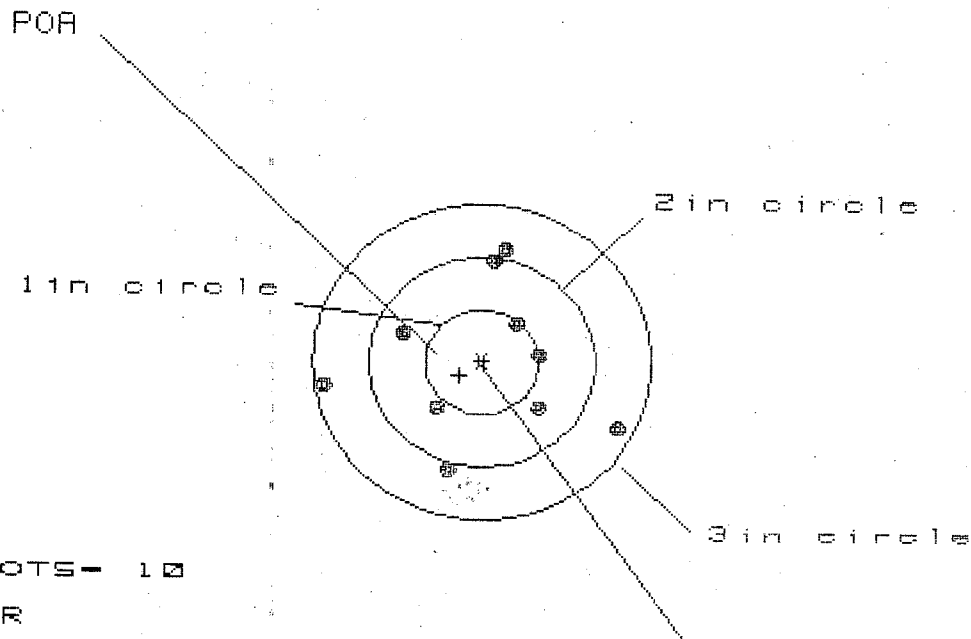
GS = 2.753

PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.151	1.264	1.109
MINIMUM X	-1.356	-1.243	-.688
MAXIMUM Y	1.051	.904	.894
MINIMUM Y	-1.328	-.732	-.742
CENTROID X	.084	-.029	.126
CENTROID Y	.108	.255	.265
POA TO CENTROID in.	.137	.257	.294
MIN RADIUS	.154	.098	.220
MEAN RADIUS	.837	.721	.680
MAX RADIUS	1.672	1.342	1.194
HORIZONTAL SPREAD	2.507	2.507	1.797
VERTICAL SPREAD	2.379	1.636	1.636
EXTREME SPREAD	2.753	2.562	1.976
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	9		

12 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6522178

CENTERFIRE PATTERNS # 2



OF SHOTS - 10

IN CIR

1in = 1

2in = 5

3in = 10

HS = 2.520

VS = 2.139

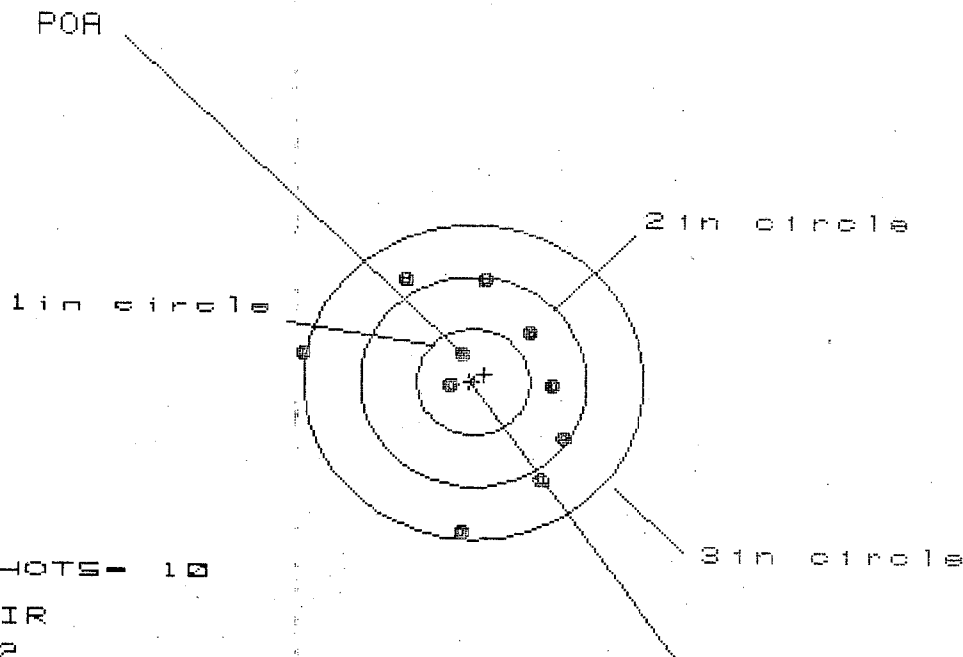
GS = 2.553

PATTERN #	:	22	23	24
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.158	1.007	.520
MINIMUM X	:	-1.362	-.877	-.752
MAXIMUM Y	:	1.069	1.042	.957
MINIMUM Y	:	-1.070	-1.097	-1.182
CENTROID X	:	.197	.348	.222
CENTROID Y	:	.127	.154	.239
POA TO CENTROID in.	:	.234	.381	.326
MIN RADIUS	:	.465	.363	.365
MEAN RADIUS	:	.897	.823	.771
MAX RADIUS	:	1.384	1.215	1.228
HORIZONTAL SPREAD	:	2.520	1.884	1.271
VERTICAL SPREAD	:	2.139	2.139	2.139
EXTREME SPREAD	:	2.553	2.211	2.211
NUMBER IN ONE INCH CIRCLE =	:	1		
NUMBER IN TWO INCH CIRCLE =	:	5		
NUMBER IN THREE INCH CIRCLE =	:	10		

12 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6522178

CENTERFIRE PATTERNS # 3



OF SHOTS - 10

IN CIR

1 in - 2

2 in - 6

3 in - 9

HS - 2.342

VS - 2.458

GS - 2.493

PATTERN #

:

434

SHOTS (BEST OF)

:

10

9

8

MAXIMUM X

:

.806

.635

.596

MINIMUM X

:

-1.536

-.801

-.840

MAXIMUM Y

:

.987

1.021

.842

MINIMUM Y

:

-1.471

-1.437

-1.121

CENTROID X

:

-.097

.074

.113

CENTROID Y

:

-.070

-.104

.075

POA TO CENTROID in.

:

.120

.128

.136

MIN RADIUS

:

.232

.397

.359

MEAN RADIUS

:

.924

.845

.740

MAX RADIUS

:

1.567

1.471

1.174

HORIZONTAL SPREAD

:

2.342

1.436

1.436

VERTICAL SPREAD

:

2.458

2.458

1.963

EXTREME SPREAD

:

2.493

2.473

2.267

NUMBER IN ONE INCH CIRCLE =

2

NUMBER IN TWO INCH CIRCLE =

6

NUMBER IN THREE INCH CIRCLE =

9

12 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06522178

CENTERFIRE PATTERNS

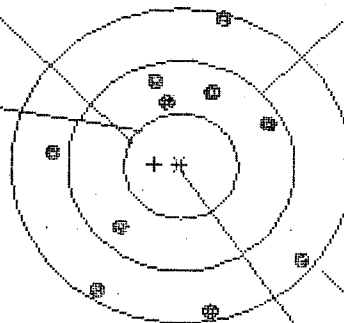
4

POA

1in circle

2in circle

3in circle



OF SHOTS- 10

IN CIR

1in = 0

2in = 5

3in = 10

HS= 2.182

VS= 2.789

GS= 2.827

CENTROID *

PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.037	1.082	1.124
MINIMUM X	:	-1.145	-1.100	-1.058
MAXIMUM Y	:	1.405	1.011	.857
MINIMUM Y	:	-1.384	-1.228	-1.176
CENTROID X	:	.232	.187	.145
CENTROID Y	:	-.015	-.172	-.018
POA TO CENTROID in.	:	.233	.254	.146
MIN RADIUS	:	.615	.634	.605
MEAN RADIUS	:	1.070	1.031	.973
MAX RADIUS	:	1.463	1.316	1.442
HORIZONTAL SPREAD	:	2.182	2.182	2.182
VERTICAL SPREAD	:	2.789	2.239	2.033
EXTREME SPREAD	:	2.827	2.399	2.399
NUMBER IN ONE INCH CIRCLE	=	0		
NUMBER IN TWO INCH CIRCLE	=	5		
NUMBER IN THREE INCH CIRCLE	=	10		

12 Dec 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C6522178

CENTERFIRE PATTERNS # 5

POA

1 in circle

2 in circle

3 in circle

OF SHOTS = 10

IN CIR

1 in = 1

2 in = 6

3 in = 8

HS = 3.076

VS = 1.661

GS = 3.118

CENTROID #

PATTERN #	5
SHOTS (BEST OF)	10
MAXIMUM X	1.456
MINIMUM X	-1.621
MAXIMUM Y	.836
MINIMUM Y	-.825
CENTROID X	-.157
CENTROID Y	-.462
POA TO CENTROID in.	.488
MIN RADIUS	.093
MEAN RADIUS	.963
MAX RADIUS	1.621
HORIZONTAL SPREAD	3.076
VERTICAL SPREAD	1.661
EXTREME SPREAD	3.118
NUMBER IN ONE INCH CIRCLE	1
NUMBER IN TWO INCH CIRCLE	6
NUMBER IN THREE INCH CIRCLE	8

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06522178
9 Aug 1990

CENTROIDAL DISTANCES

0 TO	1	.591321
1 TO	2	.63247
1 TO	3	.612047
1 TO	4	.876608
1 TO	5	.537848

+ 1 <----POA
5 23

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .257
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.7324
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .776182
THE AMR FOR THIS RIFLE IS: .9026

9 Aug 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C8522178

CENTERFIRE PATTERNS

1

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS = 10

IN CIR

1 in = 3

2 in = 7

3 in = 9

HSE = 0.400

VSE = 2.359

GSE = 2.581

PATTERN #		10	9	8
SHOTS (BEST OF)		10	9	8
MAXIMUM X	:	1.637	1.300	.857
MINIMUM X	:	-1.145	-1.182	-1.019
MAXIMUM Y	:	.744	.564	.586
MINIMUM Y	:	-1.613	-.866	-.844
CENTROID X	:	.494	.531	.368
CENTROID Y	:	-.325	-.145	-.167
POA TO CENTROID in.	:	.591	.550	.404
MIN RADIUS	:	.224	.246	.089
MEAN RADIUS	:	.822	.717	.615
MAX RADIUS	:	1.649	1.312	1.135
HORIZONTAL SPREAD	:	2.482	2.482	1.876
VERTICAL SPREAD	:	2.359	1.436	1.430
EXTREME SPREAD	:	2.581	2.501	1.956
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

8 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8522178

CENTERFIRE PATTERNS

2

FOR

1in circle

2in circle

3in circle

OF SHOTS= 10

IN CIR

1in = 3

2in = 7

3in = 8

HS= 1.416

VS= 2.819

GS= 2.943

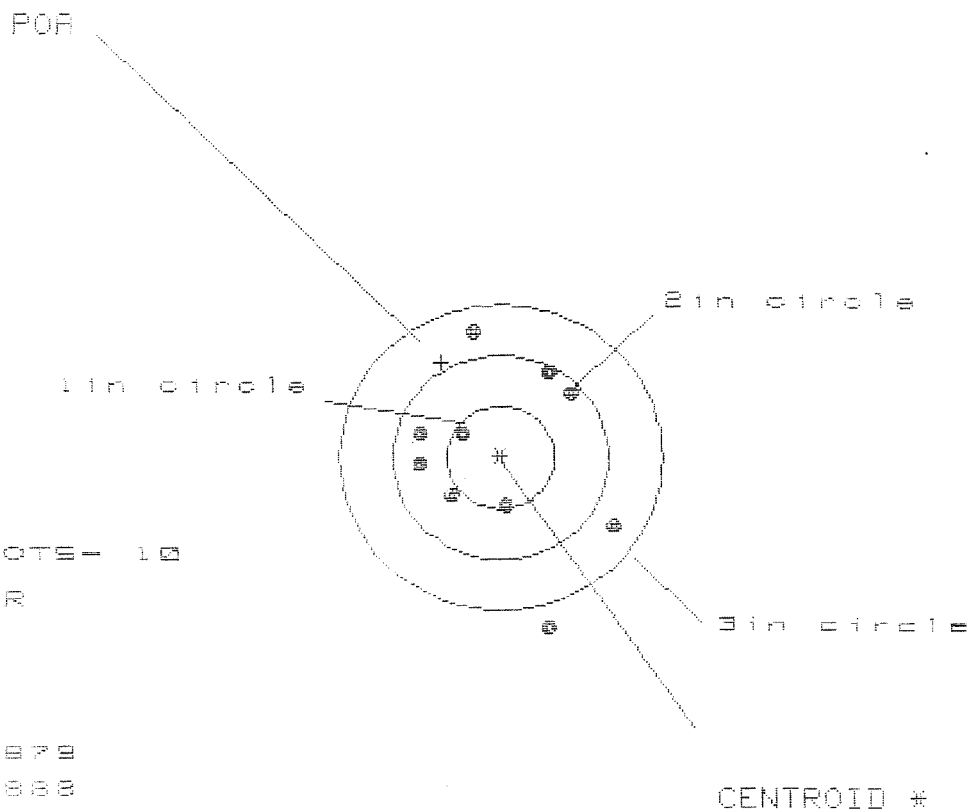
CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.688	.752	.698
MINIMUM X	-.728	-.664	-.718
MAXIMUM Y	1.139	.952	.737
MINIMUM Y	-1.681	-1.716	-1.792
CENTROID X	.411	.347	.401
CENTROID Y	-.952	-.765	-.558
FOR TO CENTROID in.	1.907	.848	.681
MIN RADIUS	.387	.123	.098
MEAN RADIUS	.864	.695	.582
MAX RADIUS	1.776	1.768	1.969
HORIZONTAL SPREAD	1.416	1.416	1.416
VERTICAL SPREAD	2.819	2.668	1.529
EXTREME SPREAD	2.943	2.677	1.714
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		8	

9 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06522178

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 7

3 in = 9

HS= 1.879

VS= 2.888

GS= 2.991

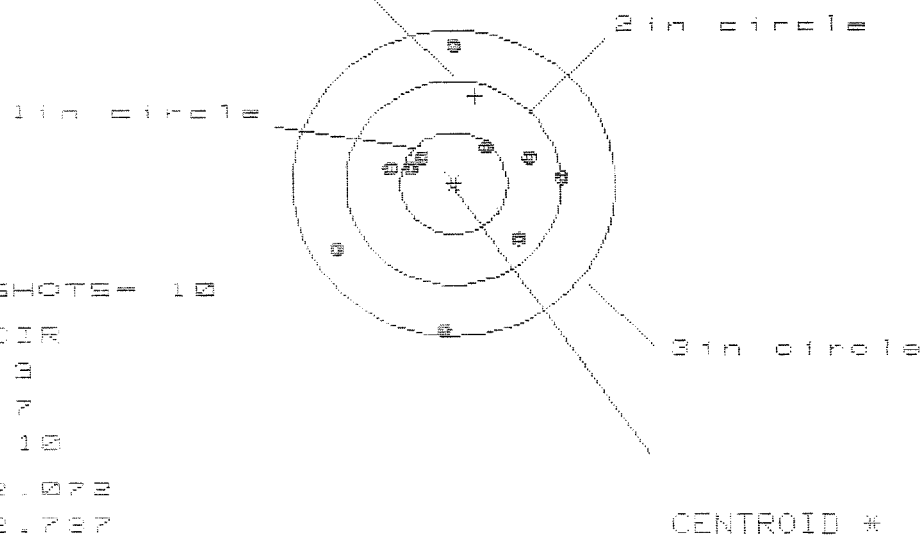
PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.087	1.141	.864
MINIMUM X	-.792	-.738	-.595
MAXIMUM Y	1.200	1.013	.961
MINIMUM Y	-1.688	-.898	-.735
CENTROID X	.555	.501	.358
CENTROID Y	-.934	-.747	-.635
POA TO CENTROID in.	1.086	.899	.730
MIN RADIUS	.379	.261	.145
MEAN RADIUS	.908	.790	.678
MAX RADIUS	1.756	1.446	.967
HORIZONTAL SPREAD	1.879	1.879	1.399
VERTICAL SPREAD	2.888	1.961	1.636
EXTREME SPREAD	2.991	2.350	1.664
NUMBER IN ONE INCH CIRCLE	=	2	
NUMBER IN TWO INCH CIRCLE	=	7	
NUMBER IN THREE INCH CIRCLE	=	9	

9 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6522178

CENTERFIRE PATTERNS # 4

POA



OF SHOTS= 10

IN CIR

1 in = 3

2 in = 7

3 in = 10

HS= 2.072

VS= 2.737

CS= 2.738

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.983	.973	.972
MINIMUM X	-1.089	-1.099	-1.100
MAXIMUM Y	1.338	1.182	.360
MINIMUM Y	-1.399	-.759	-.611
CENTROID X	-.205	-.195	-.194
CENTROID Y	-.854	-.698	-.846
POA TO CENTROID in.	.878	.725	.868
MIN RADIUS	.404	.341	.408
MEAN RADIUS	.849	.765	.719
MAX RADIUS	1.402	1.335	1.258
HORIZONTAL SPREAD	2.072	2.072	2.072
VERTICAL SPREAD	2.737	1.941	.971
EXTREME SPREAD	2.738	2.226	2.181
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	10		

9 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8522178

CENTERFIRE PATTERNS # 5

POA

1 in circle

2 in circle

3 in circle

OF SHOTS = 10

IN CIR

1 in = 2

2 in = 5

3 in = 8

H0 = 3.039

V0 = 3.467

G0 = 3.469

CENTROID #

PATTERN #	5	5	5
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.165	.957	.958
MINIMUM X	-1.874	-.757	-.756
MAXIMUM Y	1.651	1.686	1.464
MINIMUM Y	-1.815	-1.781	-1.424
CENTROID X	.038	.238	.237
CENTROID Y	-.597	-.631	-.409
POA TO CENTROID in.	.597	.675	.473
MIN RADIUS	.163	.267	.184
MEAN RADIUS	1.070	1.003	.883
MAX RADIUS	1.960	1.781	1.716
HORIZONTAL SPREAD	3.039	1.714	1.714
VERTICAL SPREAD	3.467	3.467	2.888
EXTREME SPREAD	3.469	3.469	3.006
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		6	