

C6522128

MODEL 700TM M24

Model **SMS**TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

CAR TEL

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C 6522128

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		8-21-90	RB
600	Proof		8-21-90	RB
607	Check Headspace		8-21-90	RB
610	Dis-assemble Gun		8-21-90	RB
612	Magnaflux Barrel Action	NEW BARREL 8/28/90	8/23/90	KCR
	Magnaflux Bolt		8/22/90	KCR
615	Rollmark Caliber		8/23/90	GS
617	Drill and Tap Sight Holes		8/23/90	LB
618	Polish Barrel RB		8/23/90	WB
620	Apply Coatings (Barrel Action)		8/30/90	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		8/31/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/31/90	RW
	C) Inspect Ejector Hole for Chamfer		8/31/90	RW
	D) Oil Firing Pin Ass'y		8/31/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		9/14/90	WB

op. #	OP. NAME	READINGS					DATE	INIT
605 nt.	F) Safety On Force	5 1/2	5 1/2	5 1/2			9/14/90	WB
	G) Safety Off Force	2	2	2			9/14/90	WB
	H) Trigger Pull Test & Retainability						9/14/90	WB
	I) Firing Pin Indent	.0215	.0225	.022			9/14/90	WB
	J) Assemble Stock						9/14/90	RW
	K) Assemble Swivel Studs						9/17/90	JS
	L) Attach Front and Rear Sight Assemblies						9/14/90	RW
	M) Iron Sight Alignment						9/14/90	RW
	N) Detach Front & Rear Sights & place in numbered container						9/14/90	RW
	O) Attach Scope to Rifle						9/14/90	RW
	P) Detach & Attach Scope 20 Times						9/14/90	RW
640	Gallery Target & Test						9-16-90	AC
	A) Time						9-16-90	AC
	B) Malfunctions						9-16-90	AC
	C) Pierced Primers						9-16-90	AC
	D) Optical Clarity of Scope						9-16-90	AC
645	Inspect for Live Ammo						9-16-90	AC
655	Final Inspection							
	A) Headspace						9/17/90	JS
	B) Trigger Pull	2.27	2.22	2.21	2.19	2.24	9-16-90	JS
	C) Function						9/17/90	JS
660	Pack						9-16-90	DH

SWS TRIGGER PULL TEST

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

SERIAL NO. C6522128
DATE 9/14/90
TESTER CVB

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.34	2.42	2.30	2.22	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.31	2.53	2.36	2.22	
PULL #3	2.24	2.52	2.36	2.21	
PULL #4	2.32	2.43	2.29	2.19	
PULL #5	2.34	2.49	2.39	2.20	
TOTAL	11.55	12.39	11.70	11.04	
AVG.	2.31	2.48	2.34	2.208	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.11	3.11		
PULL #2	3.08	3.24		
PULL #3	3.05	3.06		
PULL #4	3.12	3.22		
PULL #5	3.21	3.25		
TOTAL	15.57	15.88		
AVG.	3.11	3.18		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.20	4.09		4.12
PULL #2	4.07	4.16		4.01
PULL #3	4.08	4.11		4.15
PULL #4	4.03	4.12		4.12
PULL #5	4.07	4.10		4.07
TOTAL	20.45	20.58		20.47
AVG.	4.09	4.12		4.09

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6522128
16 Sep 1990

CENTROIDAL DISTANCES

Ø TO	1	.219986
1 TO	2	.232011
1 TO	3	.497829
1 TO	4	.542517
1 TO	5	.271312

σ_{μ_4} <----POB

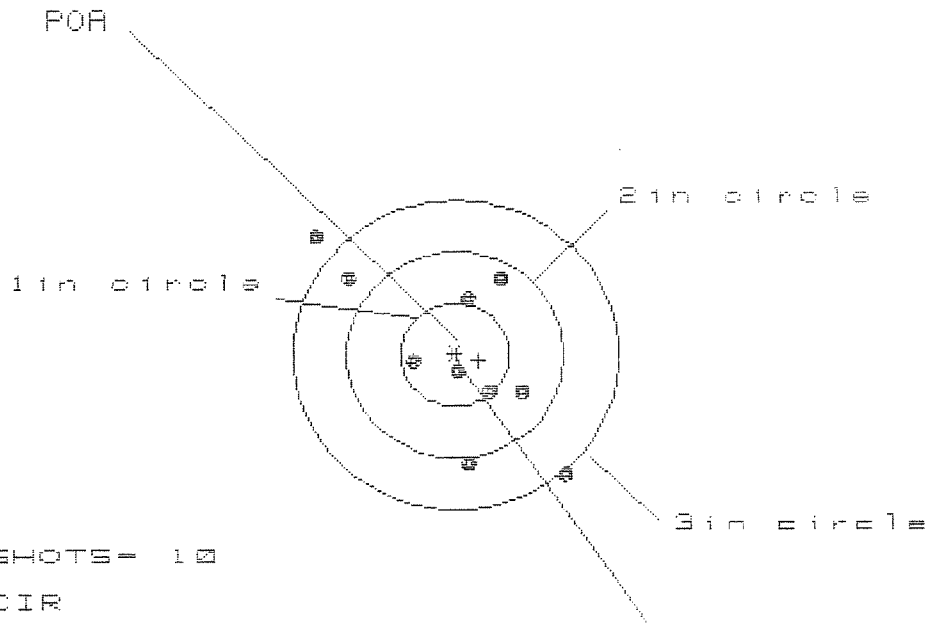
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.1754
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0098
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .175674

THE AMR FOR THIS RIFLE IS: .8484

16 Sep 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C8522120

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1in = 3

2in = 6

3in = 8

HS= 2.284

VS= 2.265

GS= 3.217

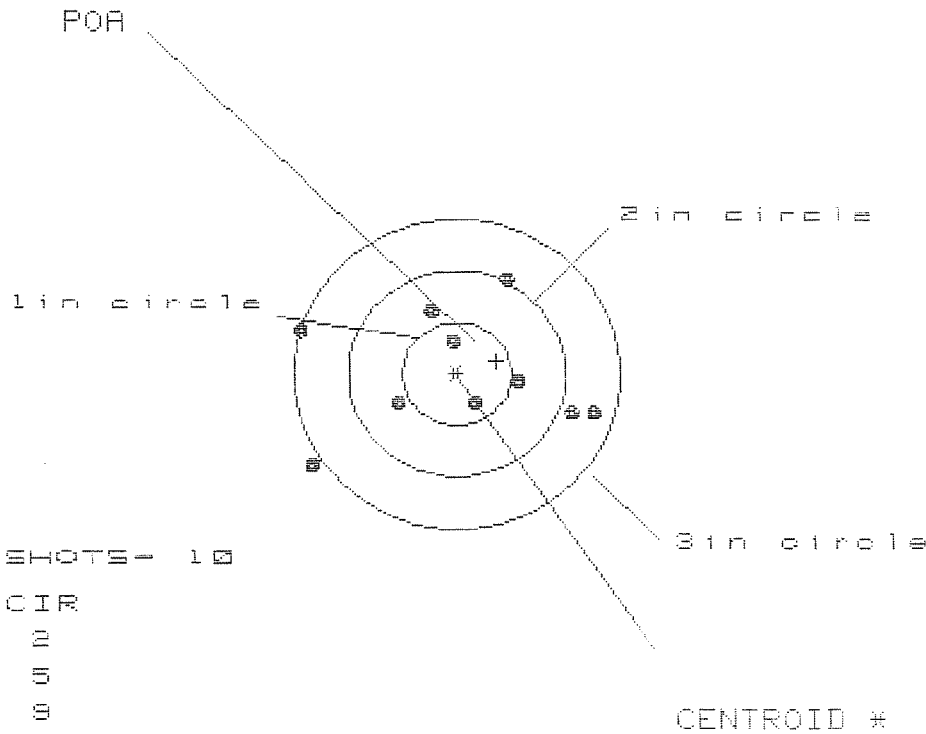
CENTROID #

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.041	.963	.562
MINIMUM X	:	-1.243	-1.109	-.996
MAXIMUM Y	:	1.103	.866	.736
MINIMUM Y	:	-1.162	-1.039	-1.016
CENTROID X	:	-.213	-.075	-.188
CENTROID Y	:	.055	-.068	.062
POA TO CENTROID in.	:	.220	.101	.198
MIN RADIUS	:	.111	.135	.120
MEAN RADIUS	:	.852	.744	.662
MAX RADIUS	:	1.662	1.382	1.215
HORIZONTAL SPREAD	:	2.284	2.012	1.558
VERTICAL SPREAD	:	2.265	1.905	1.752
EXTREME SPREAD	:	3.217	2.743	2.012
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		8	

16 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6522128

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 5

3 in = 9

HS= 2.692

VS= 1.797

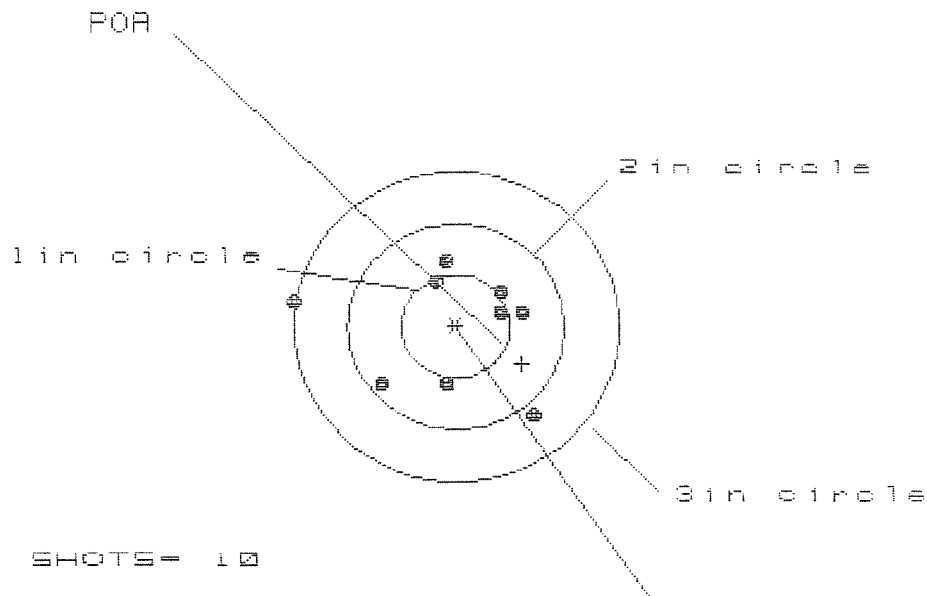
GS= 2.814

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.282	1.131	.936
MINIMUM X	:	-1.410	-1.561	-.846
MAXIMUM Y	:	.942	.847	.890
MINIMUM Y	:	-.855	-.491	-.448
CENTROID X	:	-.363	-.212	-.017
CENTROID Y	:	-.122	-.027	-.070
POA TO CENTROID in.	:	.383	.214	.072
MIN RADIUS	:	.278	.242	.210
MEAN RADIUS	:	.891	.790	.676
MAX RADIUS	:	1.605	1.599	1.029
HORIZONTAL SPREAD	:	2.692	2.692	1.782
VERTICAL SPREAD	:	1.797	1.338	1.338
EXTREME SPREAD	:	2.814	2.814	1.783
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

16 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06522128

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 8

3 in = 10

HS= 2.172

VS= 1.534

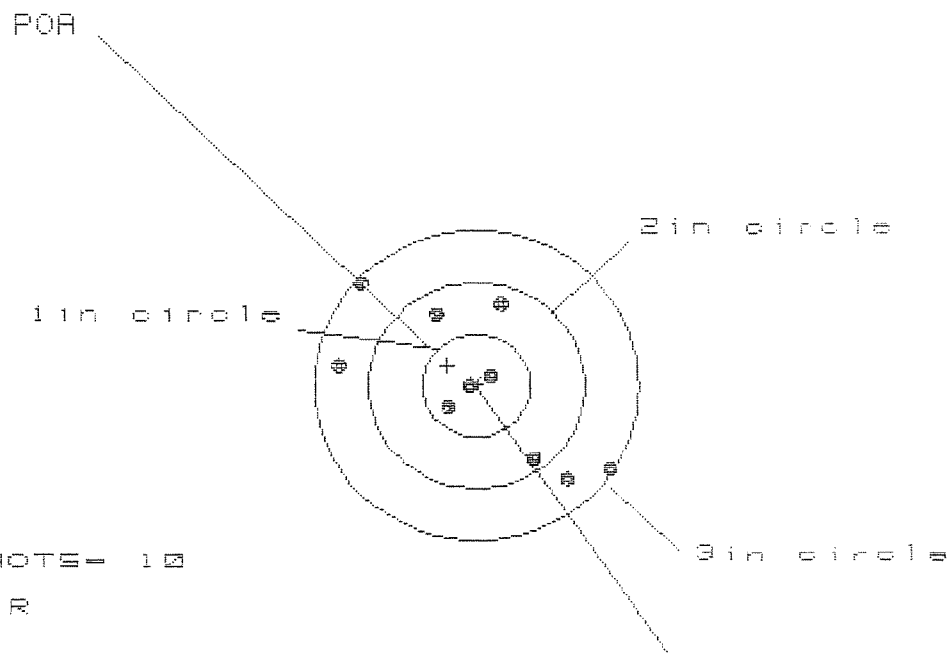
ES= 2.441

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.714	.552	.551
MINIMUM X	:	-1.458	-.888	-.819
MAXIMUM Y	:	.638	.662	.553
MINIMUM Y	:	-.896	-.872	-.666
CENTROID X	:	-.608	-.446	-.516
CENTROID Y	:	.358	.334	.443
POA TO CENTROID in.	:	.706	.558	.680
MIN RADIUS	:	.389	.248	.280
MEAN RADIUS	:	.723	.603	.539
MAX RADIUS	:	1.474	1.048	1.055
HORIZONTAL SPREAD	:	2.172	1.440	1.369
VERTICAL SPREAD	:	1.534	1.534	1.219
EXTREME SPREAD	:	2.441	1.723	1.534
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		10	

18 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8582128

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 6

3 in = 9

HS= 2.507

VS= 1.901

GS= 2.990

PATTERN #

4

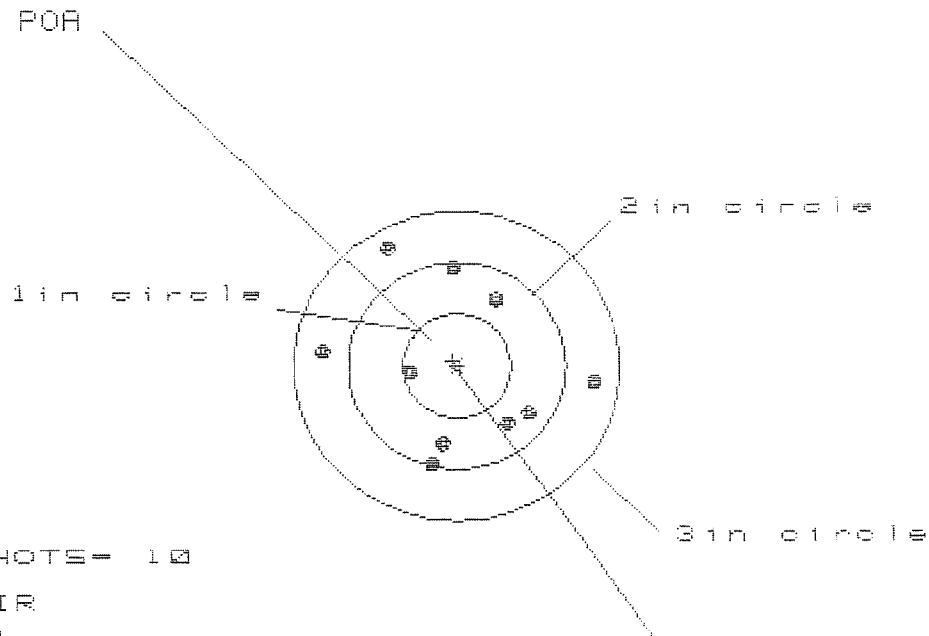
SHOTS (BEST OF)

	10	9	8
MAXIMUM X	1.257	.974	.857
MINIMUM X	-1.250	-1.110	-1.227
MAXIMUM Y	1.033	.940	.774
MINIMUM Y	-.868	-.961	-.843
CENTROID X	.269	.129	.246
CENTROID Y	-.194	-.101	-.219
POA TO CENTROID in.	.332	.164	.329
MIN RADIUS	.091	.105	.073
MEAN RADIUS	.860	.784	.699
MAX RADIUS	1.511	1.368	1.240
HORIZONTAL SPREAD	2.507	2.084	2.084
VERTICAL SPREAD	1.901	1.901	1.617
EXTREME SPREAD	2.990	2.693	2.319
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		9	

16 Sep 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C6522128

CENTERFIRE PATTERNS # 5



OF SHOTS = 10

IN CIR

1in = 1

2in = 7

3in = 10

HS = 2.471

VS = 2.086

GS = 2.493

CENTROID *

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.226	1.160	.996
MINIMUM X	:	-1.245	-1.311	-.673
MAXIMUM Y	:	1.161	1.090	1.124
MINIMUM Y	:	-.925	-.796	-.762
CENTROID X	:	.038	.104	.268
CENTROID Y	:	-.048	-.177	-.211
POA TO CENTROID in.	:	.061	.205	.341
MIN RADIUS	:	.443	.523	.422
MEAN RADIUS	:	.916	.854	.774
MAX RADIUS	:	1.306	1.338	1.150
HORIZONTAL SPREAD	:	2.471	2.471	1.669
VERTICAL SPREAD	:	2.086	1.886	1.886
EXTREME SPREAD	:	2.493	2.493	1.898
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	




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

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

MODEL 700™ H24

SERIAL NO.	C6522128
ORDER NO.	5716

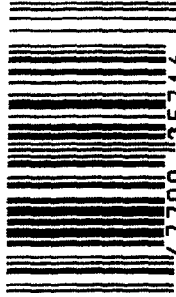
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5716 C6522128

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UPC



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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: **RE00085584** Serial: C6522128 Model M24 SWS Center Fire Caliber 7.62 NATO Repairman: Status: Closed 9/28/2004 2:34:58 PM

Verify Repair

Address Information

Customer: C CO SPT BN 1ST SWTG A Received From: C CO SPT BN 1ST SWTG A Return To: C CO SPT BN 1ST SWTG A

Address 1: AHN ARMAMENT FACILITY Address 2: AHN ARMAMENT FACILITY PO Box: PO Box: City: FT BRAGG FT BRAGG State: NC Zip Code: 28310 Country: US State: NC Zip Code: 28310 Country: US

FFL: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Contact / Condition Problems Estimate History / Status Shipping / Billing

Contact Information: Phone: Fax: Email: Comments:

Received Condition: Fair Condition Notes: CSR Notes:

Accessories Received:

Code	Desc	Qty
A007	With Studs	3
A010	Hard Case	1
A017	Scope Bases	3

Repair Search Refresh Close

neglelj 9/28/2004 2:48 PM CAPS NUM INS SCPL

start 2 3 4

Serial Number: **C6522128**

Model: **M24 SWS**



RE00085584

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6522128.___0
FILE DATE AND TIME: 10/21/2004 07:06

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.117
The Average Y Centroid of the Five Target Set:	-0.051
The Average Point of Impact of the Five Target Set:	0.128
The Average Mean Radius of the Five Target Set:	0.970
The Distance from POA to Centroid Target #1:	0.283
The Distance from Centroid Target #2 to Centroid Target #1:	0.305
The Distance from Centroid Target #3 to Centroid Target #1:	0.417
The Distance from Centroid Target #4 to Centroid Target #1:	0.471
The Distance from Centroid Target #5 to Centroid Target #1:	0.782

SERIAL NUMBER: C6522128. __0

TARGET NUMBER: 1

FILE DATE: 10/21/2004

FILE TIME: 07:06

POINT#	X	Y
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1:	0.957	-0.103
----	-------	--------

2:	0.639	-0.012
----	-------	--------

3:	0.587	0.354
----	-------	-------

4:	0.367	-0.383
----	-------	--------

5:	-0.196	0.118
----	--------	-------

6:	-0.506	0.488
----	--------	-------

7:	-0.851	0.810
----	--------	-------

8:	-0.650	1.189
----	--------	-------

9:	0.188	1.261
----	-------	-------

10:	-0.277	-0.907
-----	--------	--------

X CENTROID: 0.026

Y CENTROID: 0.281

POA TO CENTROID: 0.283

HORZ SPREAD: 1.808

VERT SPREAD: 2.168

GROUP SPREAD: 2.217

MIN RADIUS: 0.276

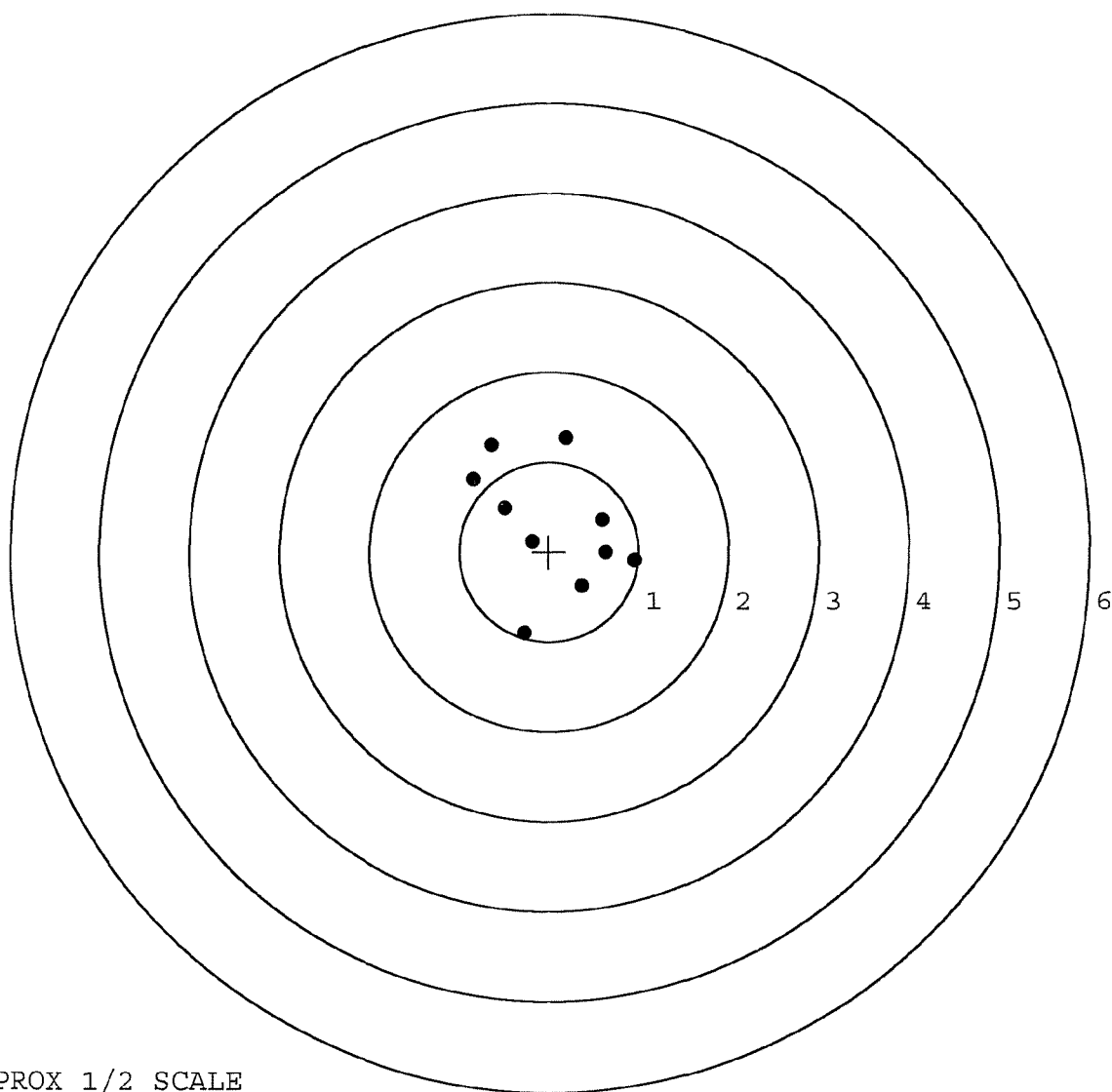
MAX RADIUS: 1.226

MEAN RADIUS: 0.822

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 10

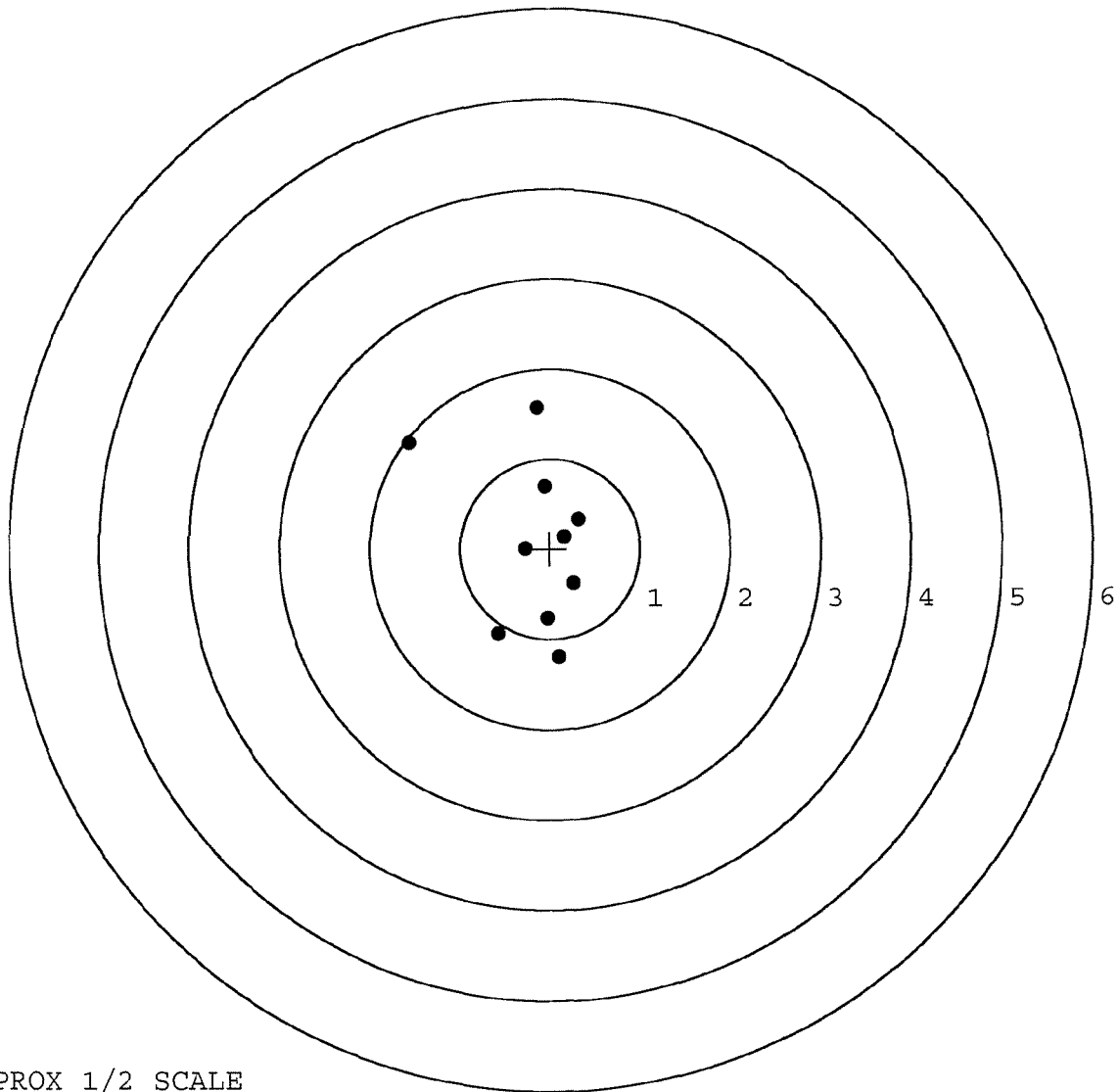


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522128. __0
TARGET NUMBER: 2
FILE DATE: 10/21/2004
FILE TIME: 07:06

X CENTROID: -0.183
Y CENTROID: 0.059
POA TO CENTROID: 0.192
HORZ SPREAD: 1.881
VERT SPREAD: 2.776
GROUP SPREAD: 2.908
MIN RADIUS: 0.112
MAX RADIUS: 1.779
MEAN RADIUS: 0.881
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 8

POINT#	X	Y
1:	0.101	-1.204
2:	-0.030	-0.774
3:	-0.581	-0.943
4:	0.265	-0.386
5:	-0.276	-0.003
6:	0.317	0.330
7:	-0.064	0.692
8:	-1.564	1.180
9:	0.155	0.127
10:	-0.149	1.572

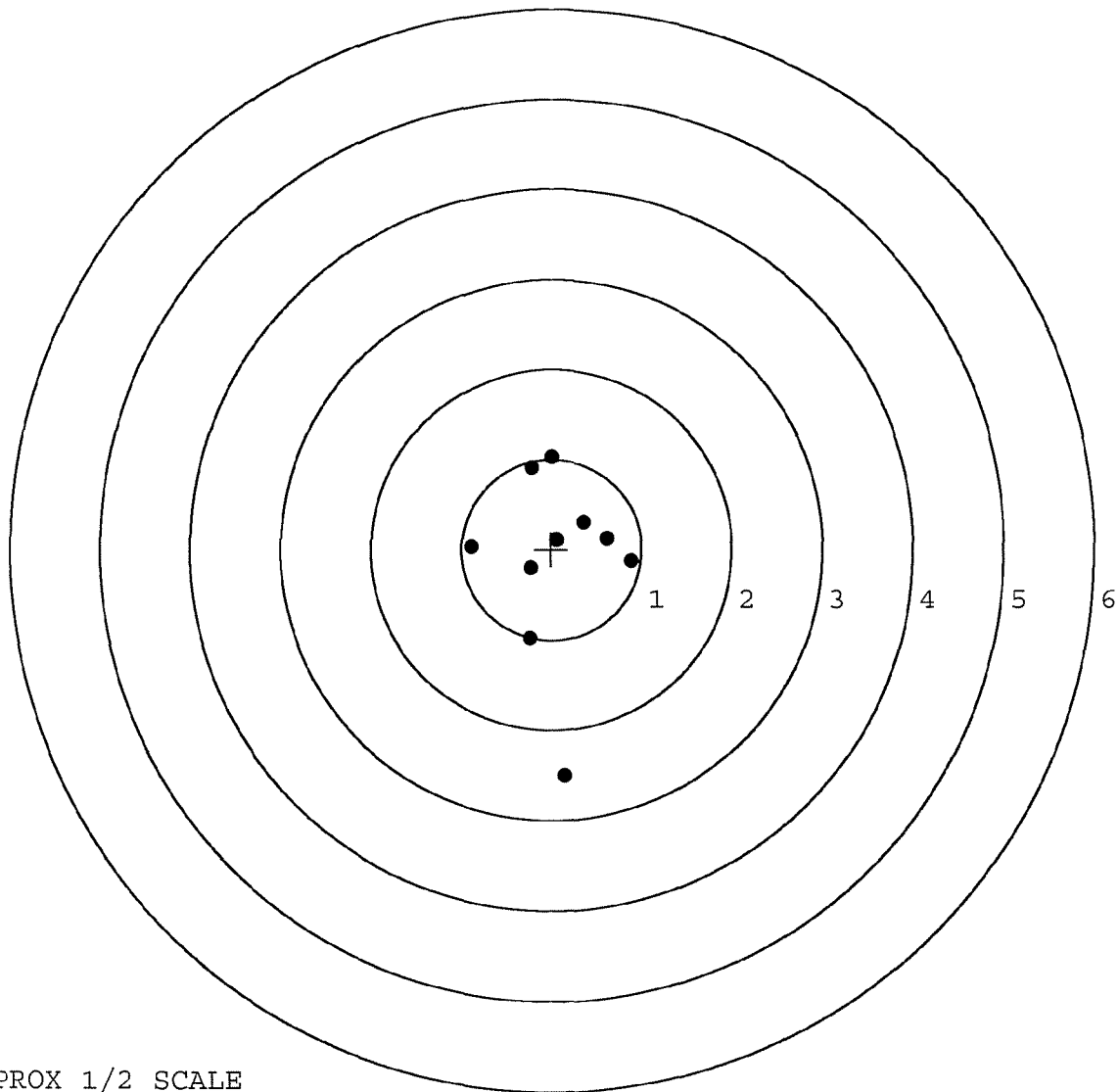


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522128. 0
TARGET NUMBER: 3
FILE DATE: 10/21/2004
FILE TIME: 07:06

X CENTROID: 0.051
Y CENTROID: -0.135
POA TO CENTROID: 0.144
HORZ SPREAD: 1.779
VERT SPREAD: 3.539
GROUP SPREAD: 3.542
MIN RADIUS: 0.235
MAX RADIUS: 2.384
MEAN RADIUS: 0.901
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.888	-0.132
2:	0.620	0.126
3:	0.358	0.305
4:	0.063	0.100
5:	-0.233	-0.207
6:	-0.246	-0.992
7:	-0.891	0.038
8:	-0.221	0.906
9:	0.013	1.023
10:	0.160	-2.516

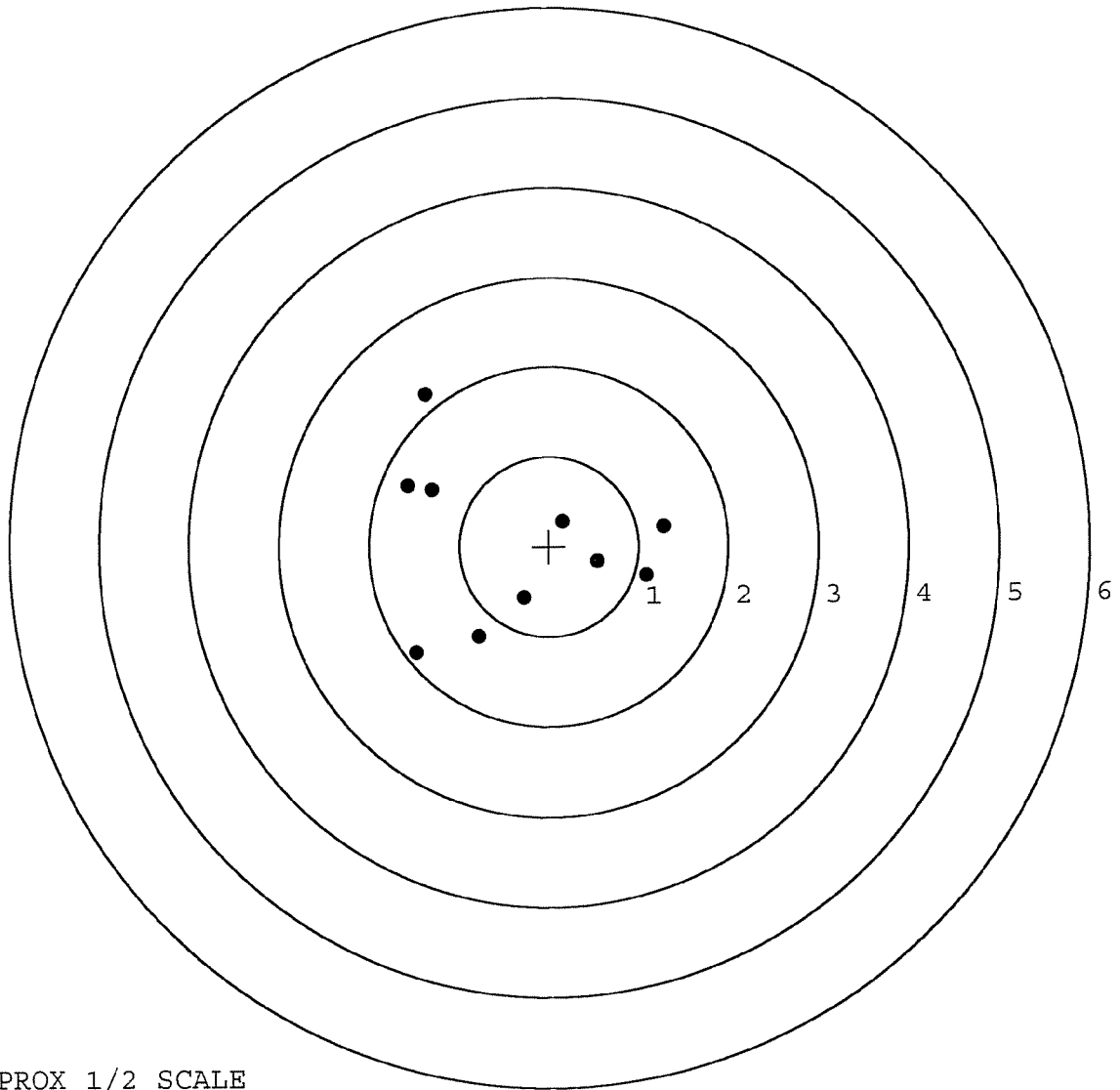


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522128. __0
TARGET NUMBER: 4
FILE DATE: 10/21/2004
FILE TIME: 07:06

X CENTROID: -0.372
Y CENTROID: 0.030
POA TO CENTROID: 0.373
HORZ SPREAD: 2.844
VERT SPREAD: 2.873
GROUP SPREAD: 3.185
MIN RADIUS: 0.585
MAX RADIUS: 1.947
MEAN RADIUS: 1.245
IN 1 IN DIAMETER: 0
IN 2 IN DIAMETER: 3
in 3 IN DIAMETER: 6

POINT#	X	Y
1:	1.085	-0.333
2:	1.279	0.219
3:	0.544	-0.171
4:	0.158	0.277
5:	-0.286	-0.573
6:	-0.789	-0.995
7:	-1.486	-1.167
8:	-1.295	0.644
9:	-1.565	0.690
10:	-1.362	1.706

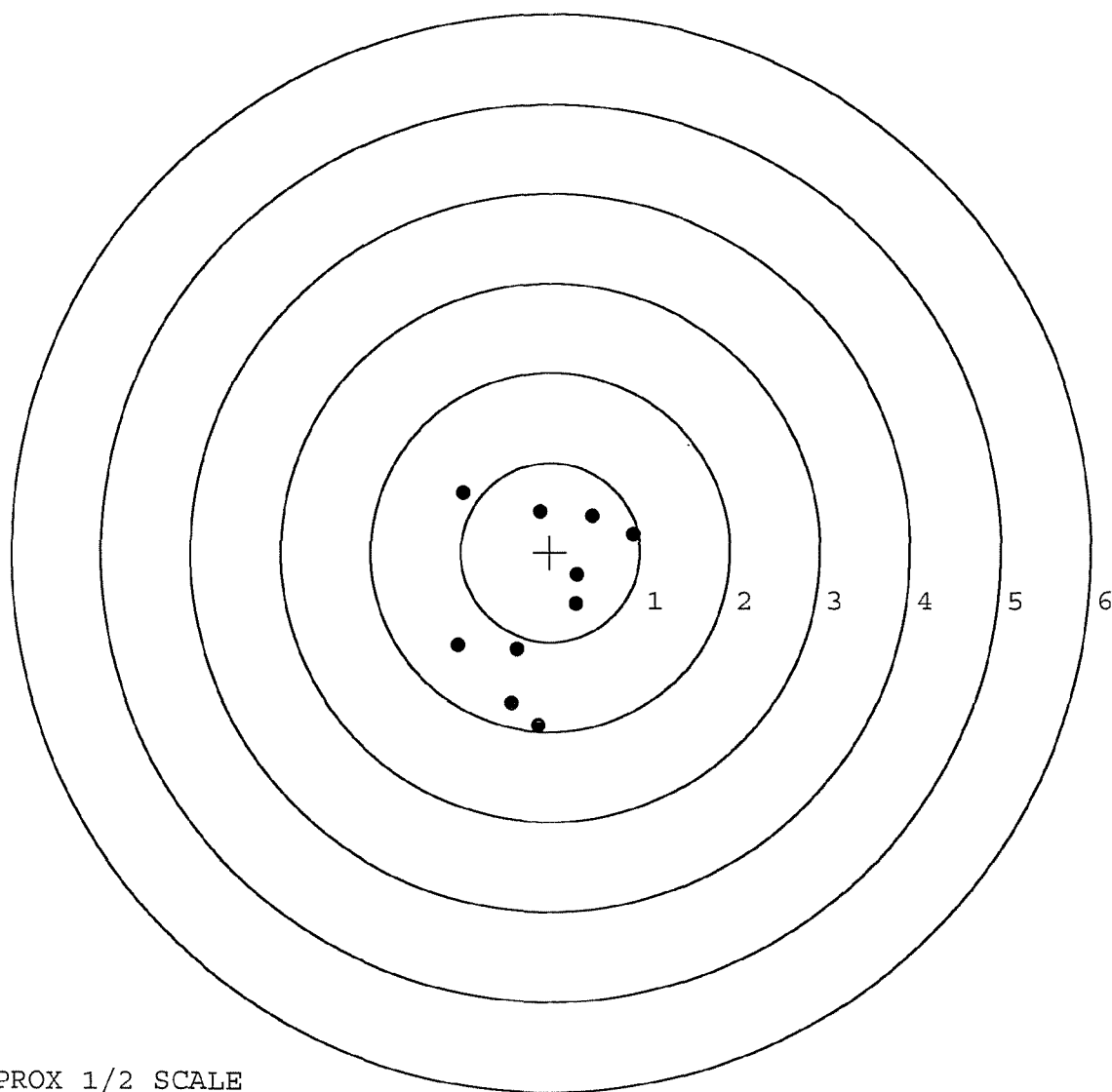


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522128.___0
TARGET NUMBER: 5
FILE DATE: 10/21/2004
FILE TIME: 07:06

POINT#	X	Y
1:	-0.133	-1.935
2:	-0.433	-1.692
3:	-0.376	-1.087
4:	-1.033	-1.046
5:	0.290	-0.581
6:	0.300	-0.256
7:	0.921	0.195
8:	0.469	0.400
9:	-0.119	0.455
10:	-0.978	0.660

X CENTROID: -0.109
Y CENTROID: -0.489
POA TO CENTROID: 0.501
HORZ SPREAD: 1.954
VERT SPREAD: 2.595
GROUP SPREAD: 2.729
MIN RADIUS: 0.410
MAX RADIUS: 1.446
MEAN RADIUS: 0.999
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 4
in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

For use of this form, see DA PAM 738-750 and 738-751; the proponent agency is DCSLOG

RIFLE, SNIPER 7.62MM / M24

6. TYPE INSPECTION

W

TM DATE	
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COLUMN e – Individual ascertaining completed corrective action initial in this column.

FOR AIRCRAFT - Status symbols will be recorded in red.

10. MANHOURS REQUIRED	
--------------------------	--

INITIAL
WHEN
CORRECTED
e

10,000 ROUNDS COUNT

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

R & E NUMBER	85584		
SERIAL NUMBER	Q6522128		
LOG-IN DATE	9-28-04		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	9-29-04	RTL
560 A	RE-BARREL	10-6-04	AC
B	DRILL AND TAP	10-8-04	TRW
575	ASSEMBLE	10-6-04	RTL
600	PROOF	10-7-04	RTL
605	CHECK HEADSPACE	10-7-04	RTL
610	DIS-ASSEMBLE GUN	10-7-04	RTL
612	MAGNAFLUX		
615	ROLLMARK CALIBER	10-11-04	SB/CW
618	ROTO-BLAST	10-11-04	LB
620	APPLY COATINGS	10/14/04	HP
625 A	FINAL ASSEMBLY	10-16-04	RTL
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	10-21-04	TRW
655	FINAL INSPECT	11-3-04	AC
660	PACK	11-4-04	OH
		SHIP DATE	
QAR INSPECTION DATE			