

C6522343

MODEL 700™ M24

Model **SWS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



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: **RE00112944** Serial: C6522343 Model M24 SWS Center Fire Caliber: 7.62 NATO Produced: 09/19/1990 Repairman: Status: New 5/30/2006 10:30:05 AM

Verify Repair

Address Information

Customer: Received From: Return To: Received From:

Name: C CO SPT BN SWTG (A) POC JERRY SCREEN C CO SPT BN SWTG (A) POC JERRY SCREEN

Address 1: ARMAMENT FACILITY BLDG D-1307 ARMAMENT FACILITY BLDG D-1307

Address 2: GRUBER ROAD PO Box: GRUBER ROAD PO Box:

City: FORT BRAGG FORT 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: NA

Fax:

Email:

Comments:

Received Condition

Fair

Condition Notes:

CSR Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	3
A009	Soft Case	1
A017	Scope Base	1
A057	Fit and Rear Sgt Base	1

Repair Search Refresh Close

maglet 5/31/2006 10:28 AM CAPS NUM INS SERL

start 2 Micros... 2 Micros... 3 Intern... Arms Ser... Part Sear... 10:28 AM

Serial Number: **C6522343**

Model: **M24 SWS**



RE00112944

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6522343.___1

FILE DATE AND TIME: 06/29/2006 17:59

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

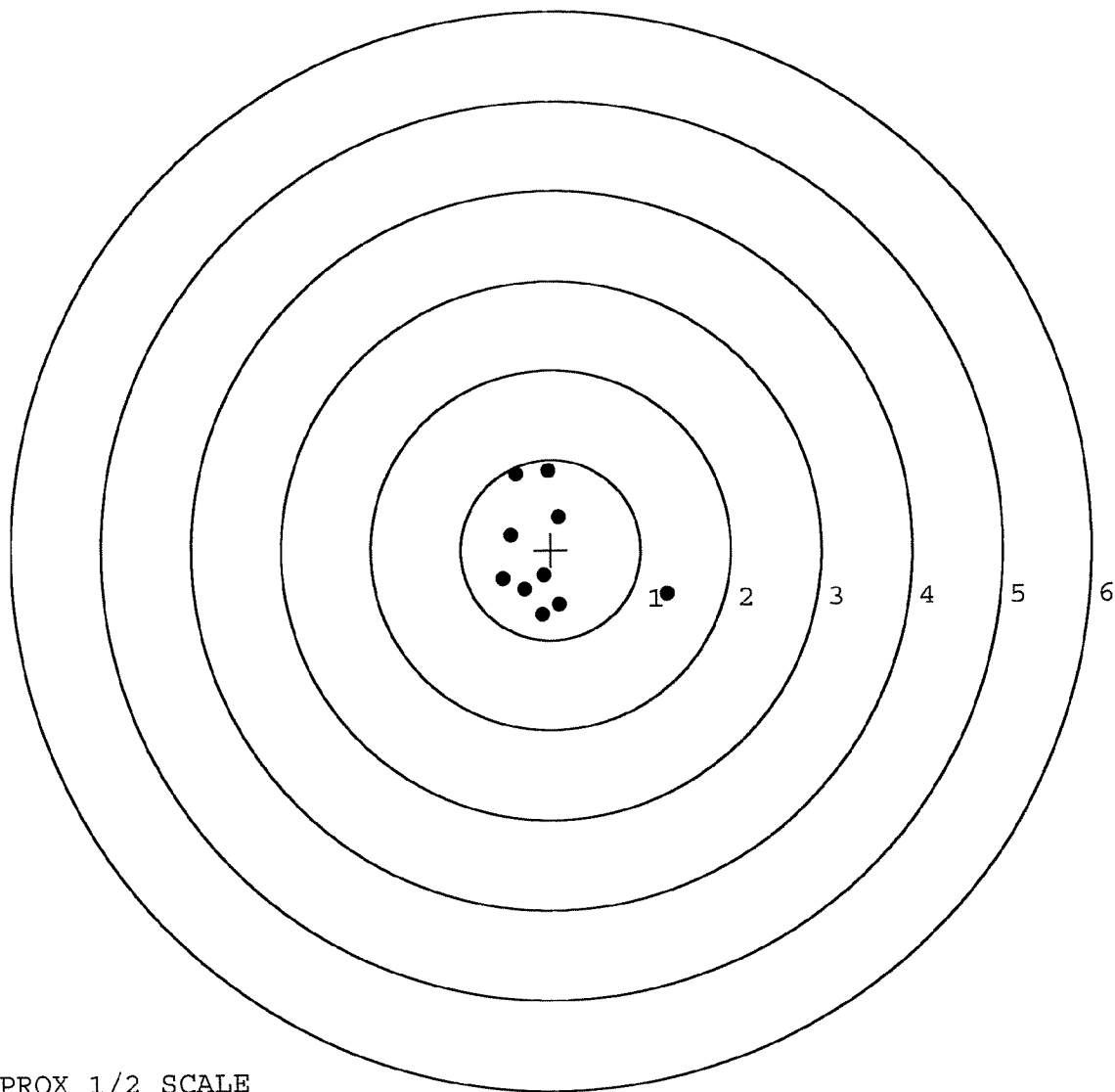
The Average X Centroid of the Five Target Set:	-0.042
The Average Y Centroid of the Five Target Set:	-0.004
The Average Point of Impact of the Five Target Set:	0.042
The Average Mean Radius of the Five Target Set:	0.542
The Distance from POA to Centroid Target #1:	0.075
The Distance from Centroid Target #2 to Centroid Target #1:	0.228
The Distance from Centroid Target #3 to Centroid Target #1:	0.071
The Distance from Centroid Target #4 to Centroid Target #1:	0.028
The Distance from Centroid Target #5 to Centroid Target #1:	0.174

SERIAL NUMBER: C6522343. __1
TARGET NUMBER: 1
FILE DATE: 06/29/2006
FILE TIME: 17:59

X CENTROID: -0.040
Y CENTROID: -0.063
POA TO CENTROID: 0.075
HORZ SPREAD: 1.822
VERT SPREAD: 1.598
GROUP SPREAD: 2.145
MIN RADIUS: 0.227
MAX RADIUS: 1.399
MEAN RADIUS: 0.668

POINT#	X	Y
1:	-0.384	0.842
2:	-0.021	0.874
3:	0.089	0.364
4:	-0.446	0.171
5:	1.288	-0.502
6:	-0.101	-0.724
7:	0.089	-0.613
8:	-0.085	-0.285
9:	-0.298	-0.437
10:	-0.534	-0.318

IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

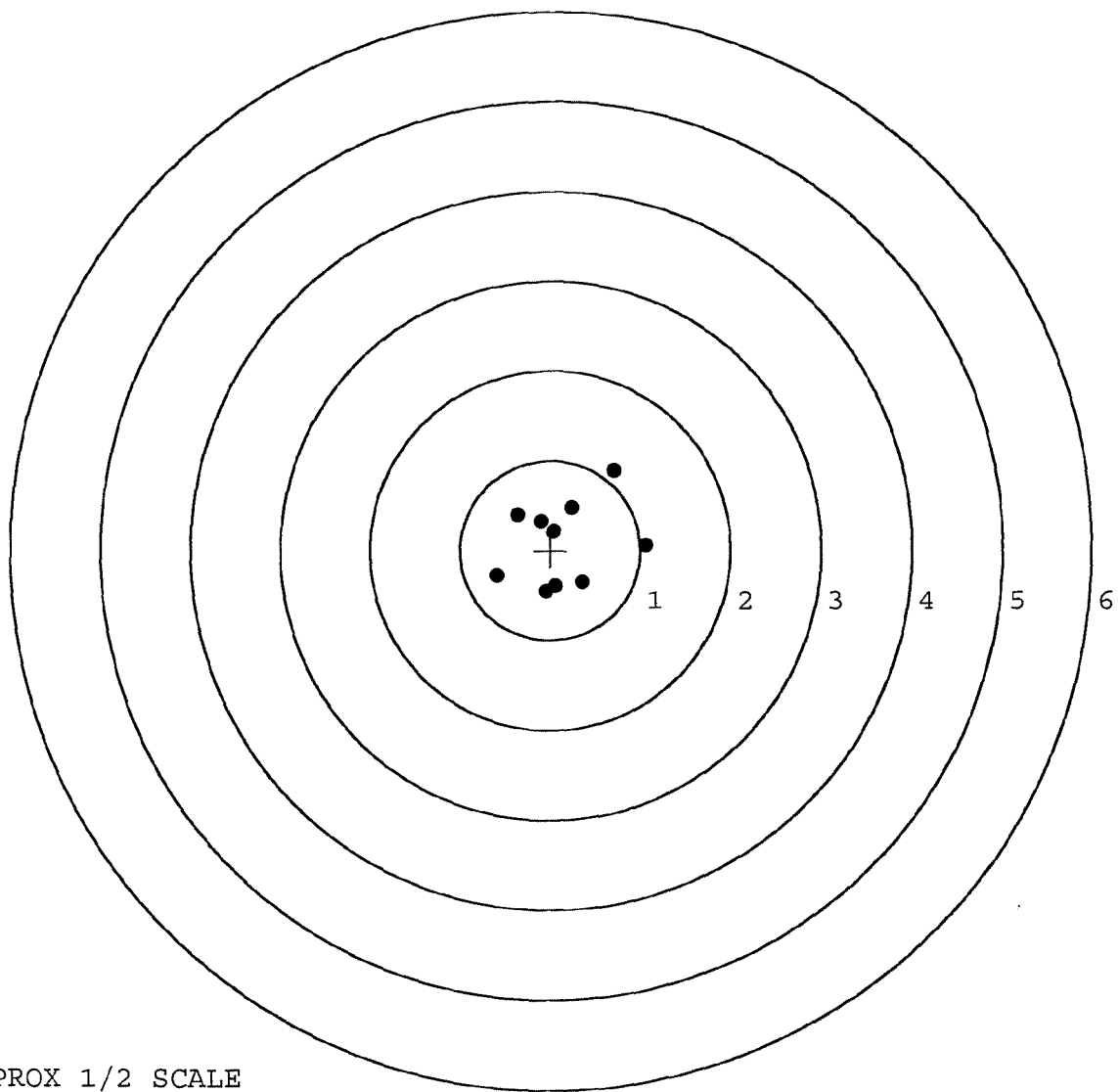


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522343.___1
TARGET NUMBER: 2
FILE DATE: 06/29/2006
FILE TIME: 17:59

X CENTROID: 0.133
Y CENTROID: 0.085
POA TO CENTROID: 0.158
HORZ SPREAD: 1.652
VERT SPREAD: 1.351
GROUP SPREAD: 1.742
MIN RADIUS: 0.156
MAX RADIUS: 0.986
MEAN RADIUS: 0.579
IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.369	0.397
2:	-0.112	0.324
3:	0.037	0.208
4:	0.235	0.479
5:	0.704	0.889
6:	1.064	0.061
7:	0.356	-0.357
8:	0.055	-0.405
9:	-0.048	-0.462
10:	-0.588	-0.280

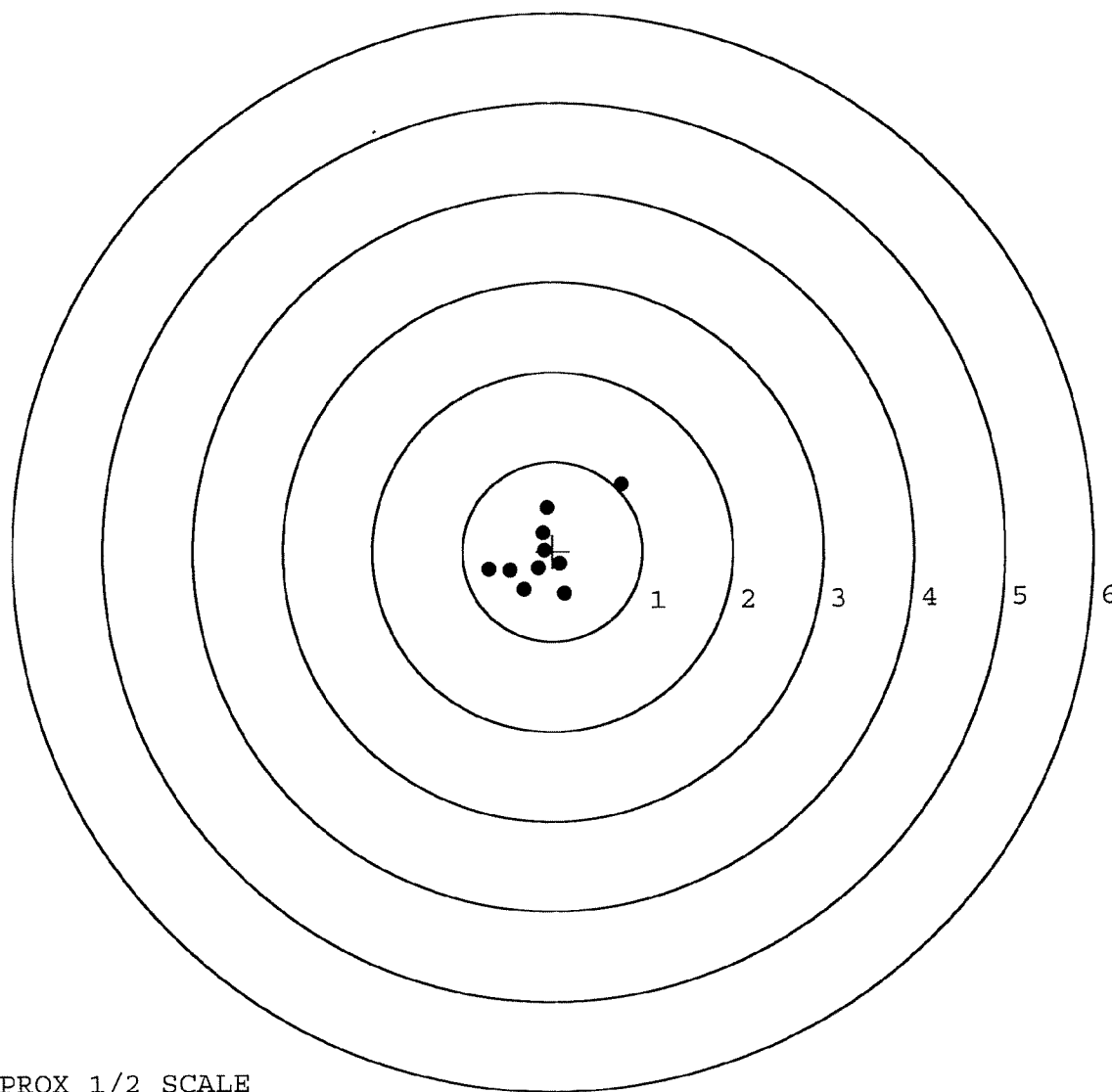


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522343. __1
TARGET NUMBER: 3
FILE DATE: 06/29/2006
FILE TIME: 17:59

X CENTROID: -0.097
Y CENTROID: -0.020
POA TO CENTROID: 0.099
HORZ SPREAD: 1.480
VERT SPREAD: 1.216
GROUP SPREAD: 1.752
MIN RADIUS: 0.031
MAX RADIUS: 1.153
MEAN RADIUS: 0.435
IN 1 IN DIAMETER: 6
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.770	0.740
2:	-0.063	0.485
3:	-0.110	0.204
4:	-0.096	0.011
5:	0.079	-0.146
6:	0.128	-0.476
7:	-0.160	-0.188
8:	-0.325	-0.427
9:	-0.479	-0.208
10:	-0.710	-0.197



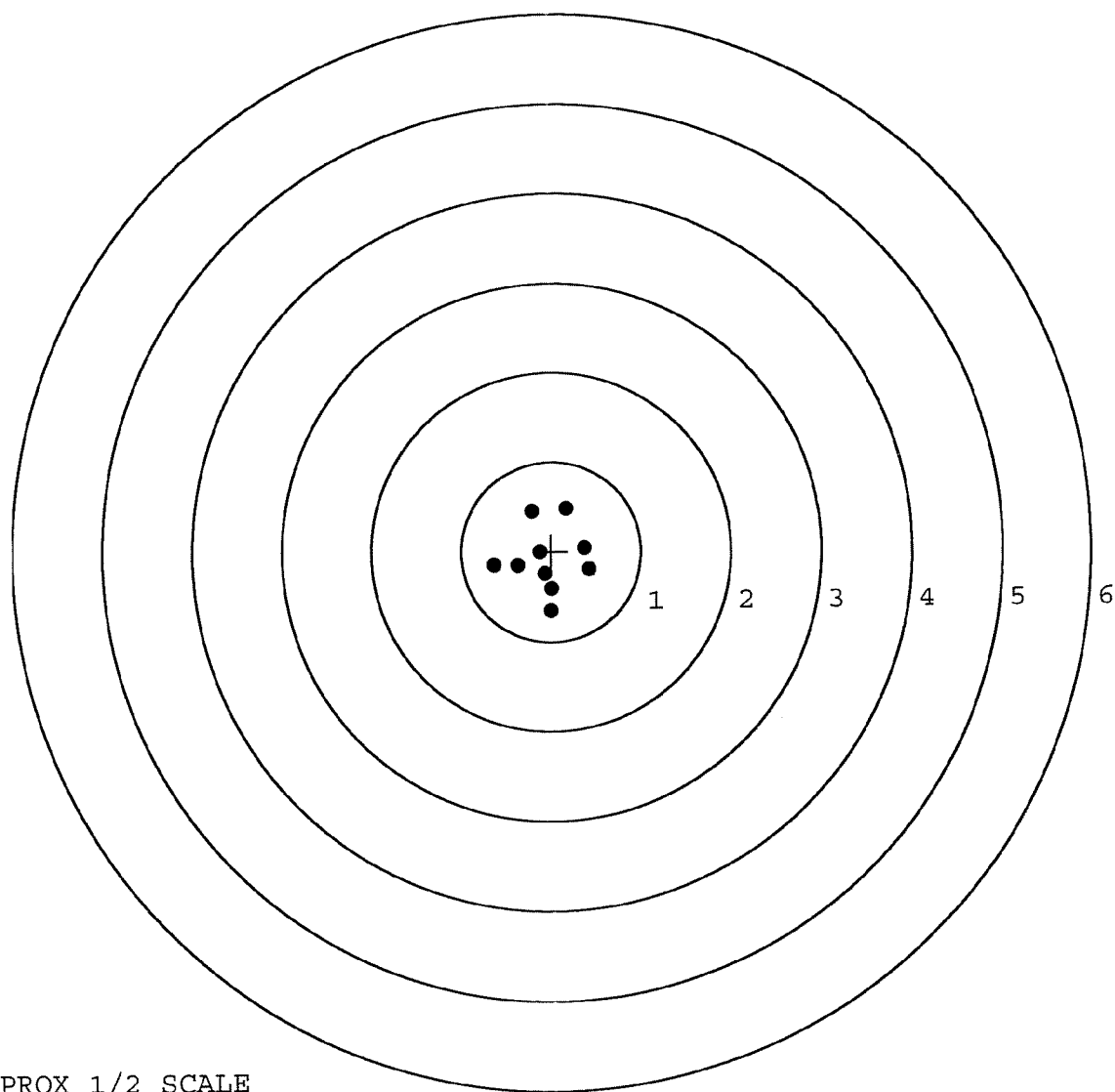
TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522343. __1
TARGET NUMBER: 4
FILE DATE: 06/29/2006
FILE TIME: 17:59

X CENTROID: -0.049
Y CENTROID: -0.089
POA TO CENTROID: 0.102
HORZ SPREAD: 1.060
VERT SPREAD: 1.142
GROUP SPREAD: 1.156
MIN RADIUS: 0.115
MAX RADIUS: 0.607
MEAN RADIUS: 0.421

POINT#	X	Y
1:	-0.220	0.449
2:	0.169	0.477
3:	0.370	0.035
4:	0.425	-0.204
5:	-0.006	-0.419
6:	-0.012	-0.665
7:	-0.080	-0.249
8:	-0.375	-0.154
9:	-0.635	-0.150
10:	-0.131	-0.008

IN 1 IN DIAMETER: 6
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

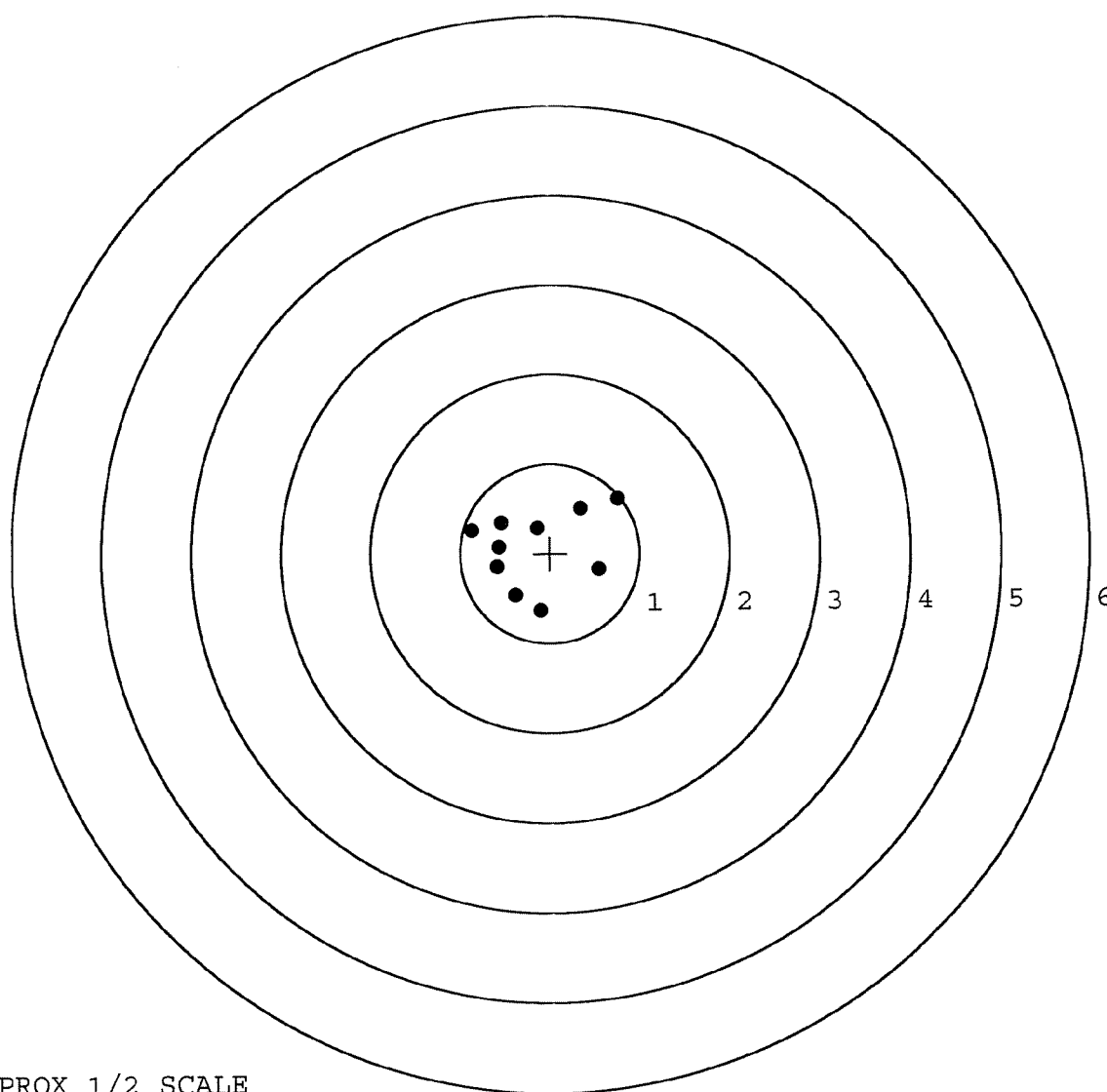


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522343.__1
TARGET NUMBER: 5
FILE DATE: 06/29/2006
FILE TIME: 17:59

X CENTROID: -0.158
Y CENTROID: 0.065
POA TO CENTROID: 0.171
HORZ SPREAD: 1.626
VERT SPREAD: 1.252
GROUP SPREAD: 1.662
MIN RADIUS: 0.221
MAX RADIUS: 1.064
MEAN RADIUS: 0.609
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.340	0.504
2:	0.757	0.608
3:	0.540	-0.182
4:	-0.146	0.286
5:	-0.541	0.352
6:	-0.869	0.266
7:	-0.570	0.079
8:	-0.589	-0.148
9:	-0.388	-0.471
10:	-0.111	-0.644



TARGET APPROX 1/2 SCALE

M-24 INSPECTION CHECKLIST
CONTRACT #: DAAE-20-02-C-0149

R & E NUMBER	112944		
SERIAL NUMBER	C6522343		
LOG-IN DATE	5-30-06		
OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	6-12-06	RTZ
505	RE-BARREL	6-20-06	RTZ
560	ASSEMBLE	6-20-06	RTZ
600	PROOF	6-20-06	TRW
605	CHECK HEADSPACE	6-20-06	TRW
610	DIS-ASSEMBLE GUN	6-21-06	RTZ
612	MAGNAFLUX	6-23-06	TRW
510	DRILL AND TAP	6-22-06	TRW
615	ROLLMARK CALIBER	6-22-06	CB
618	ROTO-BLAST	6-23-06	CB
620	APPLY COATINGS	6-28-06	TRW
625	FINAL ASSEMBLY	6-29-06	RTZ
640	FUNCTION TEST AND	PASS FAIL 6-29-06	L.P.D.
650	TARGET	PASS FAIL 6-29-06	L.P.D.
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION	7-5-06	A
	A) HEADSPACE	PASS FAIL 7-5-06	Ac
	B) TRIGGER PULL	N/A	A
680	F) SAFETY ON FORCE	6 lbs 6 lbs 6 lbs	A
	G) SAFETY OFF FORCE	4 lbs 4 lbs 4 lbs	A
	I) FIRING PIN INDENT	.023 .023 .023	A
690	PACK	7-10-06	RTZ

Remington[®]

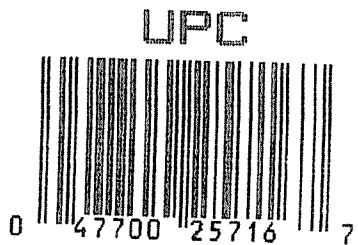
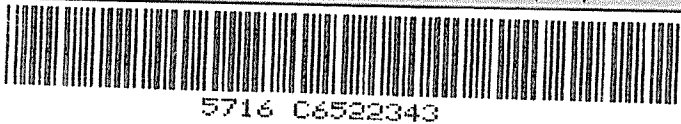

REG. U.S. PAT. & TM. OFF.

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

MODEL 700 [™] M24	SERIAL NO. C6522343
	ORDER NO. 5716

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

01



CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06522343
31 Aug 1990

CENTROIDAL DISTANCES

0 TO	1	.623683
1 TO	2	.267619
1 TO	3	.149566
1 TO	4	.414209
1 TO	5	.513079

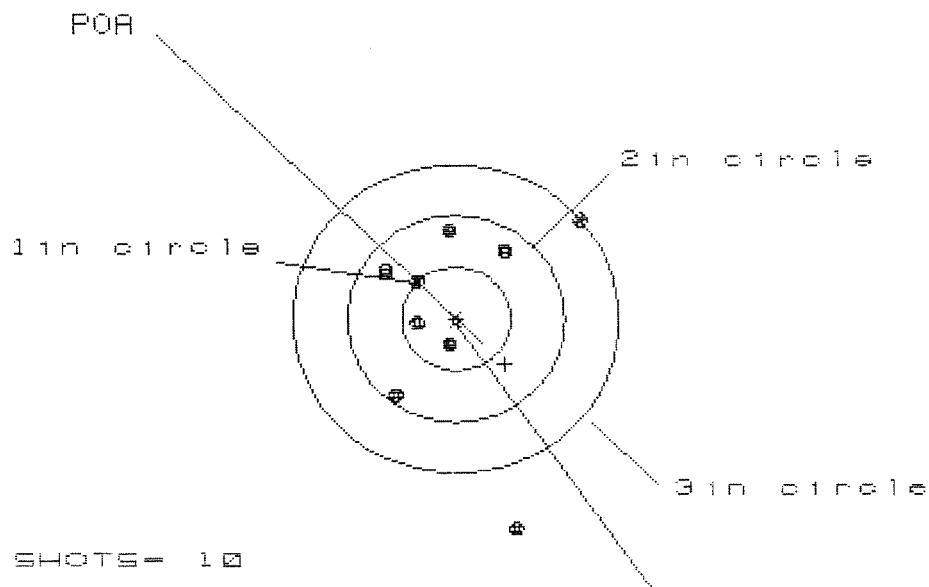
$\frac{1}{5}$ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.3552
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .2254
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .420681
THE AMR FOR THIS RIFLE IS: .9864

31 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6522343

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 3

2in = 8

3in = 8

HS= 1.8804

VS= 3.048

GS= 3.114

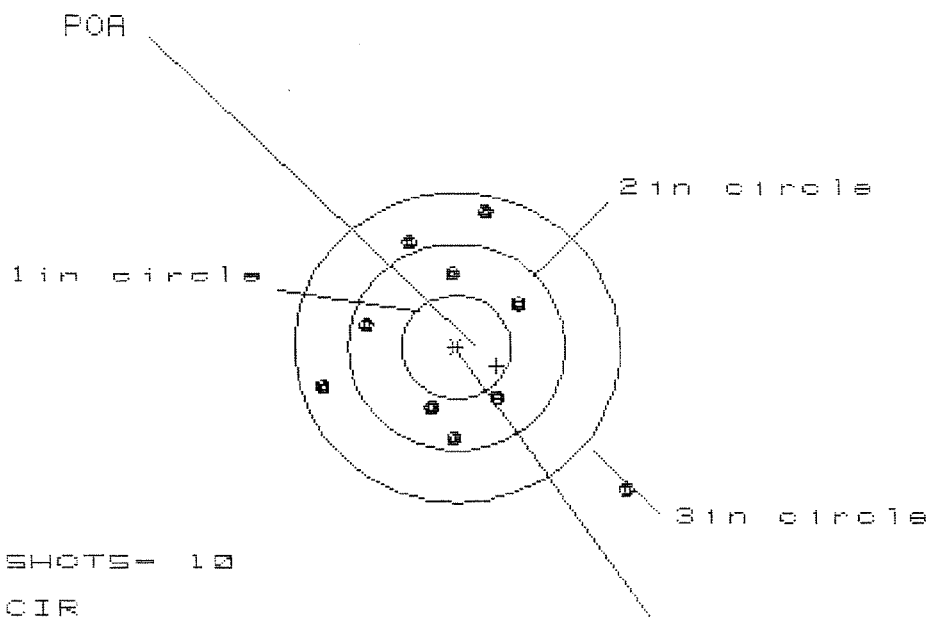
CENTROID *

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.160	1.218	.642
MINIMUM X	:	-.644	-.586	-.434
MAXIMUM Y	:	.968	.737	.703
MINIMUM Y	:	-2.079	-.971	-.878
CENTROID X	:	-.444	-.502	-.654
CENTROID Y	:	.438	.669	.576
POA TO CENTROID in.	:	.623	.836	.872
MIN RADIUS	:	.227	.356	.243
MEAN RADIUS	:	.836	.674	.540
MAX RADIUS	:	2.144	1.424	.929
HORIZONTAL SPREAD	:	1.804	1.804	1.076
VERTICAL SPREAD	:	3.048	1.708	1.581
EXTREME SPREAD	:	3.114	2.391	1.708
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		8	

31 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6522343

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 0

2in = 6

3in = 9

HS= 2.753

VS= 2.780

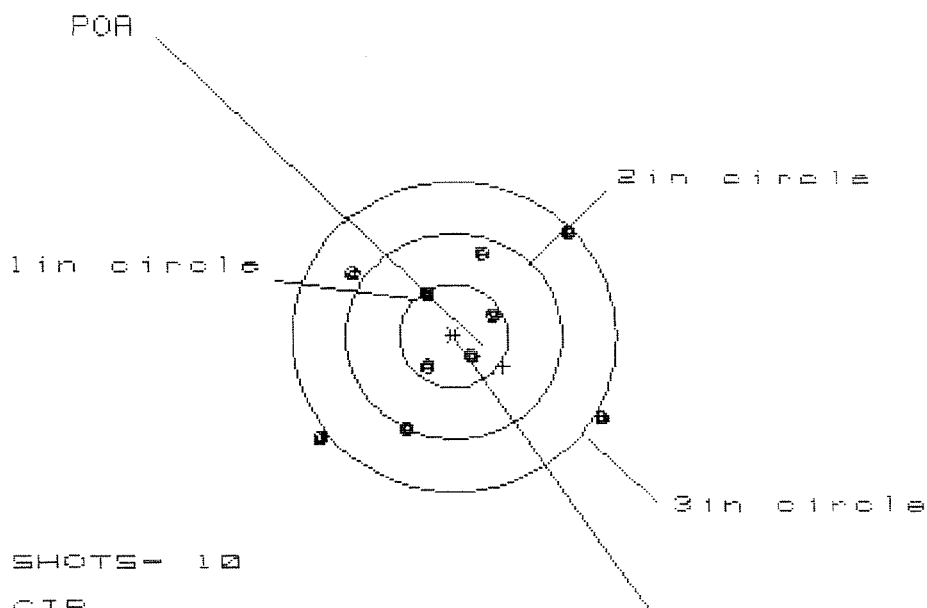
GS= 3.085

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.550	.727	.780
MINIMUM X	:	-1.203	-1.030	-.977
MAXIMUM Y	:	1.355	1.196	.965
MINIMUM Y	:	-1.425	-1.062	-.912
CENTROID X	:	-.366	-.539	-.592
CENTROID Y	:	.182	.341	.191
POA TO CENTROID in.	:	.409	.637	.622
MIN RADIUS	:	.600	.609	.571
MEAN RADIUS	:	1.023	.882	.823
MAX RADIUS	:	2.106	1.271	1.060
HORIZONTAL SPREAD	:	2.753	1.757	1.757
VERTICAL SPREAD	:	2.780	2.258	1.877
EXTREME SPREAD	:	3.085	2.286	1.959
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

31 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08522343

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 4

2 in = 6

3 in = 8

HS= 2.634

VS= 2.055

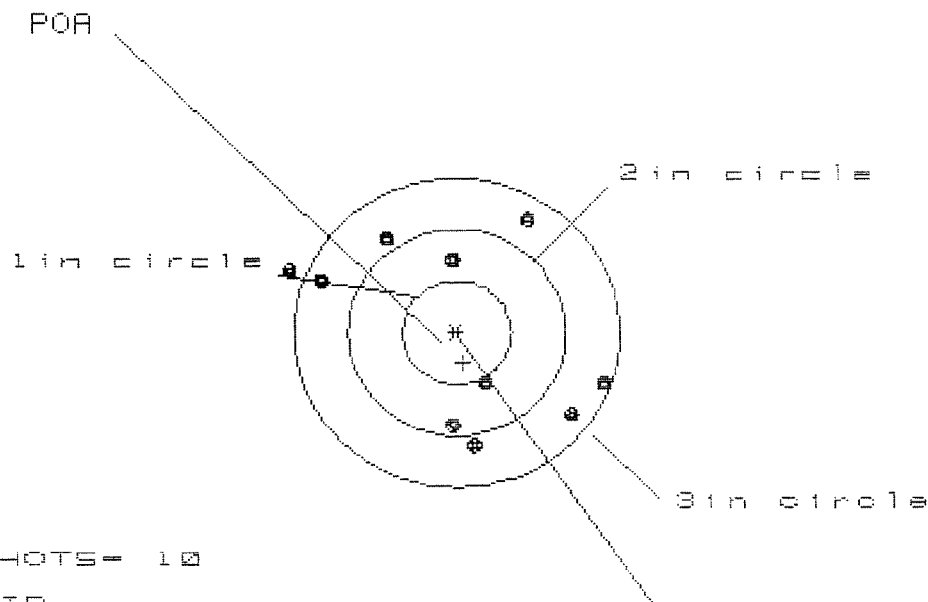
GS= 3.072

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.369	1.229	1.031
MINIMUM X	:	-1.265	-1.108	-.955
MAXIMUM Y	:	1.031	.917	.807
MINIMUM Y	:	-1.024	-.982	-1.092
CENTROID X	:	-.457	-.317	-.470
CENTROID Y	:	.289	.403	.513
POA TO CENTROID in.	:	.541	.512	.696
MIN RADIUS	:	.259	.259	.300
MEAN RADIUS	:	.919	.831	.734
MAX RADIUS	:	1.627	1.512	1.309
HORIZONTAL SPREAD	:	2.634	2.337	1.986
VERTICAL SPREAD	:	2.055	1.899	1.899
EXTREME SPREAD	:	3.072	2.733	2.375
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		8	

31 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6522343

CENTERFIRE PATTERNS # 4



OF SHOTS = 10

IN CIR

1 in = 0

2 in = 3

3 in = 7

HS = 2.891

VS = 2.217

ES = 3.064

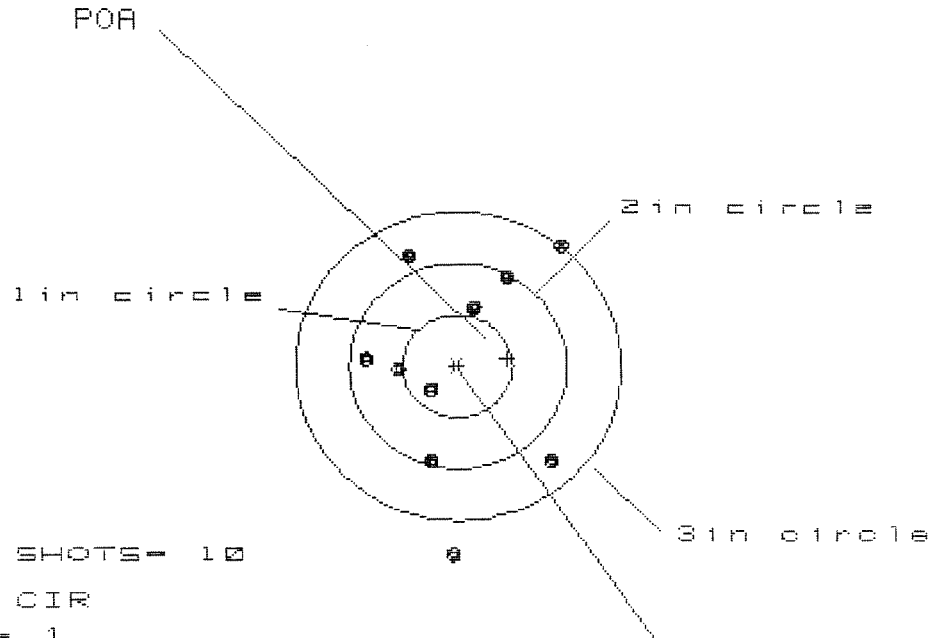
CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.380	1.212	1.058
MINIMUM X	:	-1.511	-1.420	-1.269
MAXIMUM Y	:	1.079	1.142	1.093
MINIMUM Y	:	-1.138	-1.075	-1.124
CENTROID X	:	-.056	.112	-.039
CENTROID Y	:	.293	.230	.279
POA TO CENTROID in.	:	.298	.256	.281
MIN RADIUS	:	.537	.422	.517
MEAN RADIUS	:	1.139	1.067	1.039
MAX RADIUS	:	1.613	1.521	1.362
HORIZONTAL SPREAD	:	2.891	2.632	2.327
VERTICAL SPREAD	:	2.217	2.217	2.217
EXTREME SPREAD	:	3.064	2.792	2.635
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		3	
NUMBER IN THREE INCH CIRCLE	=		9	

31 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6522343

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 5

3 in = 8

HS= 1.806

VS= 3.014

GS= 3.160

PATTERN #	5
SHOTS (BEST OF)	10
MAXIMUM X	.939
MINIMUM X	-.867
MAXIMUM Y	1.212
MINIMUM Y	-1.802
CENTROID X	-.453
CENTROID Y	-.075
POA TO CENTROID in.	.460
MIN RADIUS	.345
MEAN RADIUS	1.015
MAX RADIUS	1.802
HORIZONTAL SPREAD	1.806
VERTICAL SPREAD	3.014
EXTREME SPREAD	3.160
NUMBER IN ONE INCH CIRCLE =	1
NUMBER IN TWO INCH CIRCLE =	5
NUMBER IN THREE INCH CIRCLE =	8

SWS TRIGGER PULL TEST

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

SERIAL NO. 06522343

DATE 8/24/90

TESTER JEL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.30	2.23	2.34	2.29	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.26	2.33	2.41	2.24	
PULL #3	2.36	2.37	2.37	2.24	
PULL #4	2.45	2.34	2.40	2.14	
PULL #5	2.22	2.41	2.30	2.29	
TOTAL	11.59	11.68	11.84	11.20	
AVG.	2.318	2.336	2.368	2.24	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.16	3.28		
PULL #2	3.12	3.31		
PULL #3	3.14	3.27		
PULL #4	3.40	3.29		
PULL #5	3.27	3.23		
TOTAL	16.09	16.38		
AVG.	3.218	3.276		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.26	4.28		4.28
PULL #2	4.14	4.29		4.30
PULL #3	4.16	4.20		4.21
PULL #4	4.12	4.15		4.19
PULL #5	4.35	4.27		4.13
TOTAL	21.03	21.19		21.11
AVG.	4.206	4.238		4.222

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6522343

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	7 12	90	RW
600	Proof	7 12	90	RW
607	Check Headspace	7 12	90	RW
610	Dis-assemble Gun	7 12	90	RW
612	Magnaflux Barrel Action		7-17-90	BR
	Magnaflux Bolt		7-17-90	BR
615	Rollmark Caliber		7-17-90	BR
617	Drill and Tap Sight Holes		7/23/90	FB
618	Polish Barrel RB		7/24/90	WB
620	Apply Coatings (Barrel Action)		8-6-90	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		8/8/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/8/90	RW
	C) Inspect Ejector Hole for Chamfer		8/8/90	RW
	D) Oil Firing Pin Ass'y		8/8/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		8/29/90	GM

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4 1/2	4 1/2	4 1/2			8/29/90	WB
	G) Safety Off Force	2 1/2	2 1/2	2 1/2			8/29/90	WB
	H) Trigger Pull Test & Retainability						8/29/90	8/1
	I) Firing Pin Indent	.024	.0235	.0235			8/29/90	WB
	J) Assemble Stock						8/30/90	RW
	K) Assemble Swivel Studs						9/5/90	9/8
	L) Attach Front and Rear Sight Assemblies						8/30/90	RW
	M) Iron Sight Alignment						8/30/90	RW
	N) Detach Front & Rear Sights & place in numbered container						8/30/90	RW
	O) Attach Scope to Rifle						8/30/90	RW
	P) Detach & Attach Scope 20 Times						8/30/90	RW
640	Gallery Target & Test						8-31-90	D/H
	A) Time						8-31-90	D/H
	B) Malfunctions						8-31-90	D/H
	C) Pierced Primers						8-31-90	D/H
	D) Optical Clarity of Scope						8-31-90	D/H
645	Inspect for Live Ammo						8-31-90	D/H
655	Final Inspection							
	A) Headspace						9/5/90	9/8
	B) Trigger Pull	2.29	2.24	2.24	2.14	2.29	9-4-90	9/4
	C) Function						9/5/90	9/8
660	Pack						9-18-90	9/4