

C6523355

MODEL 700™ M24

Model SMS™

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: **RE00102770** Serial: C6523355 Model: M24 SWS Center Fire Caliber: 7.62 NATO Repairman: Status: Closed 10/26/2005 7:46:43 AM

Verify Repair

Address Information

Customer: ☒ Received From Return To: ☐ Received From

Name: **PR W7LZ CAMP SHELBY DET 57** **PR W7LZ CAMP SHELBY DET 57**

Address 1: **DEF TRAINING BDE ROTATION** **DEF TRAINING BDE ROTATION**

Address 2: **BLDG 6520 WAREHOUSE AVE** PO Box: **BLDG 6520 WAREHOUSE AVE** PO Box:

City: **CAMP SHELBY** **CAMP SHELBY**

State: **MS** Zip Code: **39407** Country: **US** State: **MS** Zip Code: **39407** Country: **US**

FFL: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Contact / Condition Problems Estimate History / Status Shipping / Billing

Contact Information: Phone: **601 558 4593** Fax: Email: Comments:

Received Condition: Fair Condition Notes: CSR Notes:

Accessories Received:

Code	Desc	Qty
A006	Sling Strep	1
A010	Hard Case	1
A016	Scope Rings	2
A017	Scope Base	1
A026	Scope	1
A045	Bi Pod	1
C000	TORQUE WRENCH	1
C001	SPOTTING SCOPE	1

PVS scope

Repair Search Refresh Close

negletj 10/26/2005 9:33 AM CAPS INUM INS SCPL

start 2 3 4 5 6 7 8 9 10 11 12

Serial Number: **C6523355**Model: **M24 SWS****RE00102770**

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6523355.___0
FILE DATE AND TIME: 11/23/2005 21:35

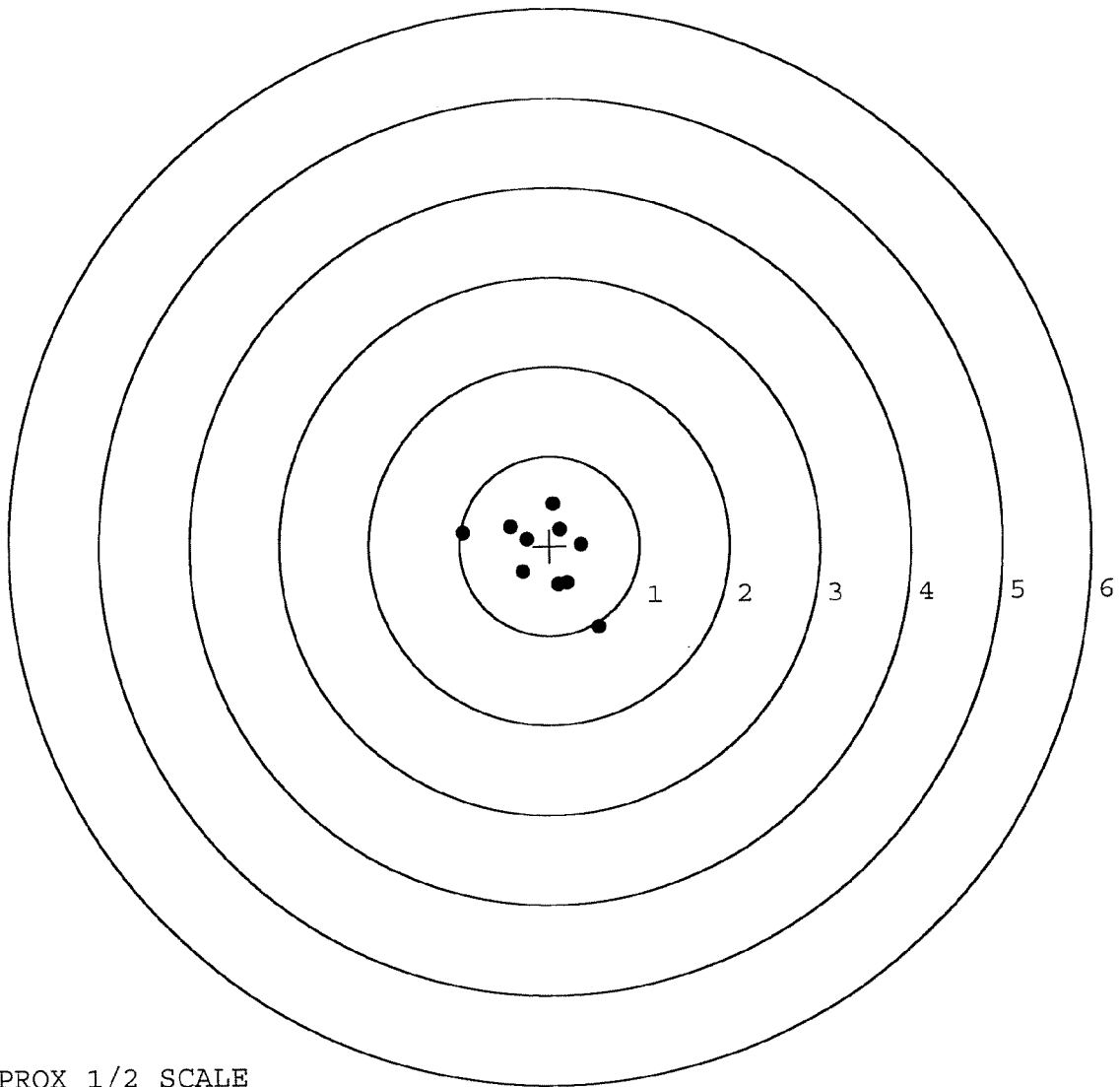
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.076
The Average Y Centroid of the Five Target Set:	0.062
The Average Point of Impact of the Five Target Set:	0.098
The Average Mean Radius of the Five Target Set:	0.619
The Distance from POA to Centroid Target #1:	0.111
The Distance from Centroid Target #2 to Centroid Target #1:	0.102
The Distance from Centroid Target #3 to Centroid Target #1:	0.112
The Distance from Centroid Target #4 to Centroid Target #1:	0.365
The Distance from Centroid Target #5 to Centroid Target #1:	0.278

SERIAL NUMBER: C6523355. __ 0
 TARGET NUMBER: 1
 FILE DATE: 11/23/2005
 FILE TIME: 21:35

X CENTROID: -0.062
 Y CENTROID: -0.092
 POA TO CENTROID: 0.111
 HORZ SPREAD: 1.496
 VERT SPREAD: 1.380
 GROUP SPREAD: 1.838
 MIN RADIUS: 0.256
 MAX RADIUS: 1.011
 MEAN RADIUS: 0.512
 # IN 1 IN DIAMETER: 7
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.192	-0.416
2:	0.350	0.020
3:	0.116	0.185
4:	-0.961	0.159
5:	0.535	-0.908
6:	0.094	-0.435
7:	-0.301	-0.292
8:	-0.257	0.074
9:	-0.437	0.218
10:	0.045	0.472



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523355. __0

TARGET NUMBER: 2

FILE DATE: 11/23/2005

FILE TIME: 21:35

X CENTROID: -0.016

Y CENTROID: -0.001

POA TO CENTROID: 0.016

HORZ SPREAD: 1.267

VERT SPREAD: 1.524

GROUP SPREAD: 1.760

MIN RADIUS: 0.193

MAX RADIUS: 1.029

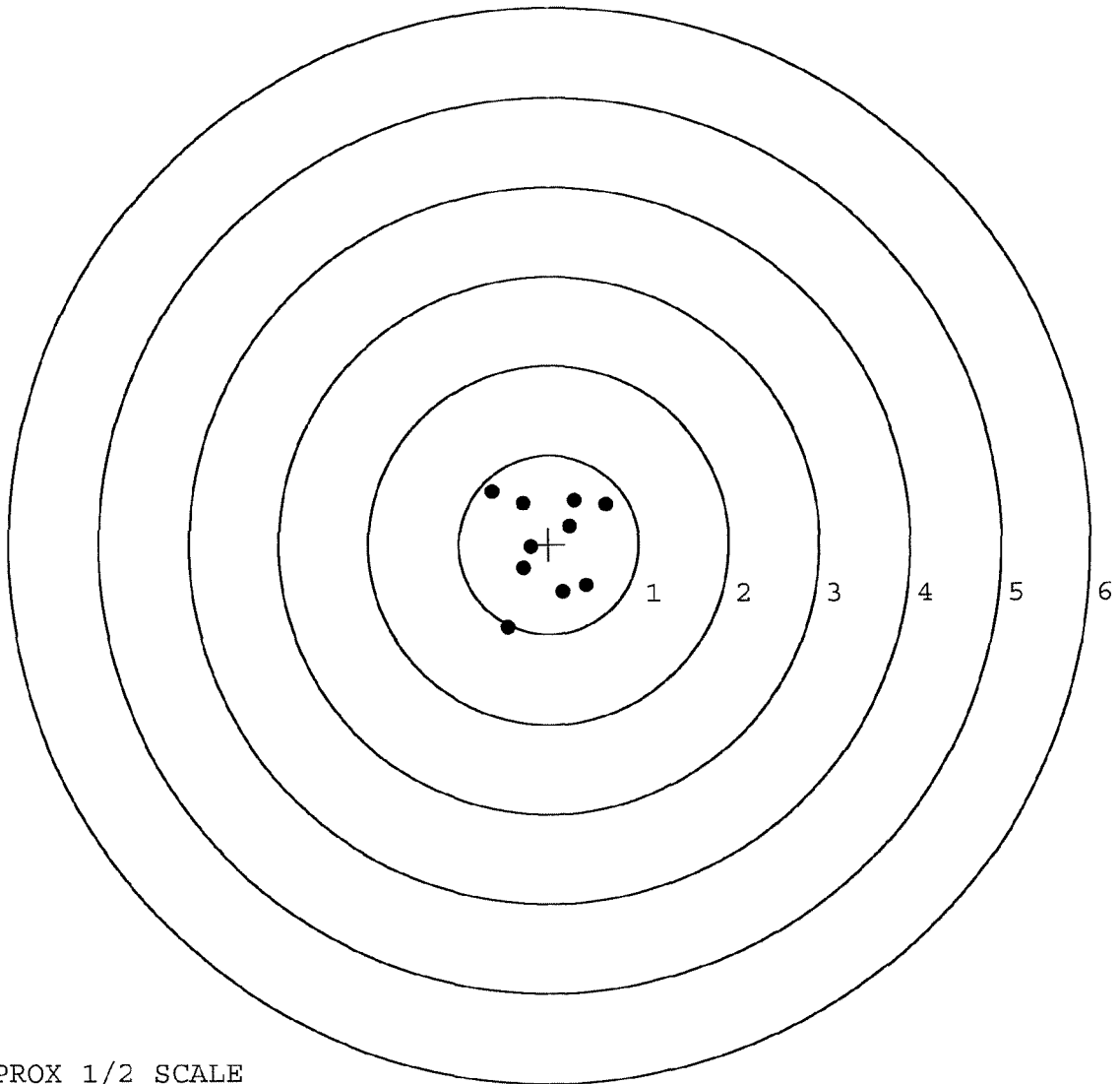
MEAN RADIUS: 0.588

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.286	-0.268
2:	0.156	-0.535
3:	-0.465	-0.927
4:	0.228	0.208
5:	0.285	0.494
6:	0.635	0.447
7:	-0.289	0.466
8:	-0.632	0.597
9:	-0.206	-0.032
10:	0.417	-0.461

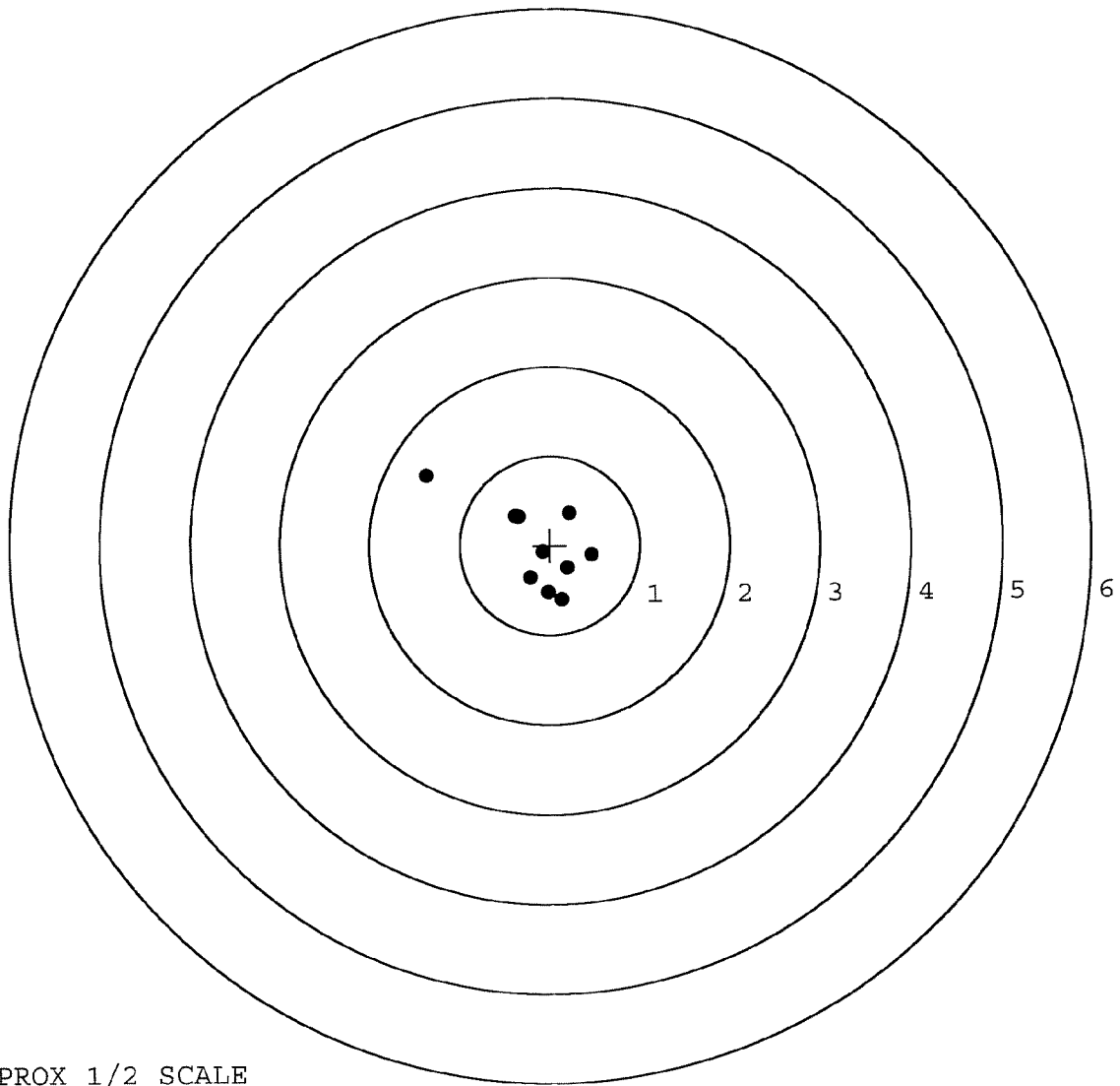


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523355. 0
 TARGET NUMBER: 3
 FILE DATE: 11/23/2005
 FILE TIME: 21:35

X CENTROID: -0.144
 Y CENTROID: -0.015
 POA TO CENTROID: 0.145
 HORZ SPREAD: 1.826
 VERT SPREAD: 1.397
 GROUP SPREAD: 2.045
 MIN RADIUS: 0.085
 MAX RADIUS: 1.459
 MEAN RADIUS: 0.545
 # IN 1 IN DIAMETER: 5
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.214	0.357
2:	-0.352	0.323
3:	-0.388	0.328
4:	0.464	-0.111
5:	0.187	-0.256
6:	0.131	-0.609
7:	-0.026	-0.532
8:	-0.222	-0.366
9:	-1.362	0.788
10:	-0.084	-0.076

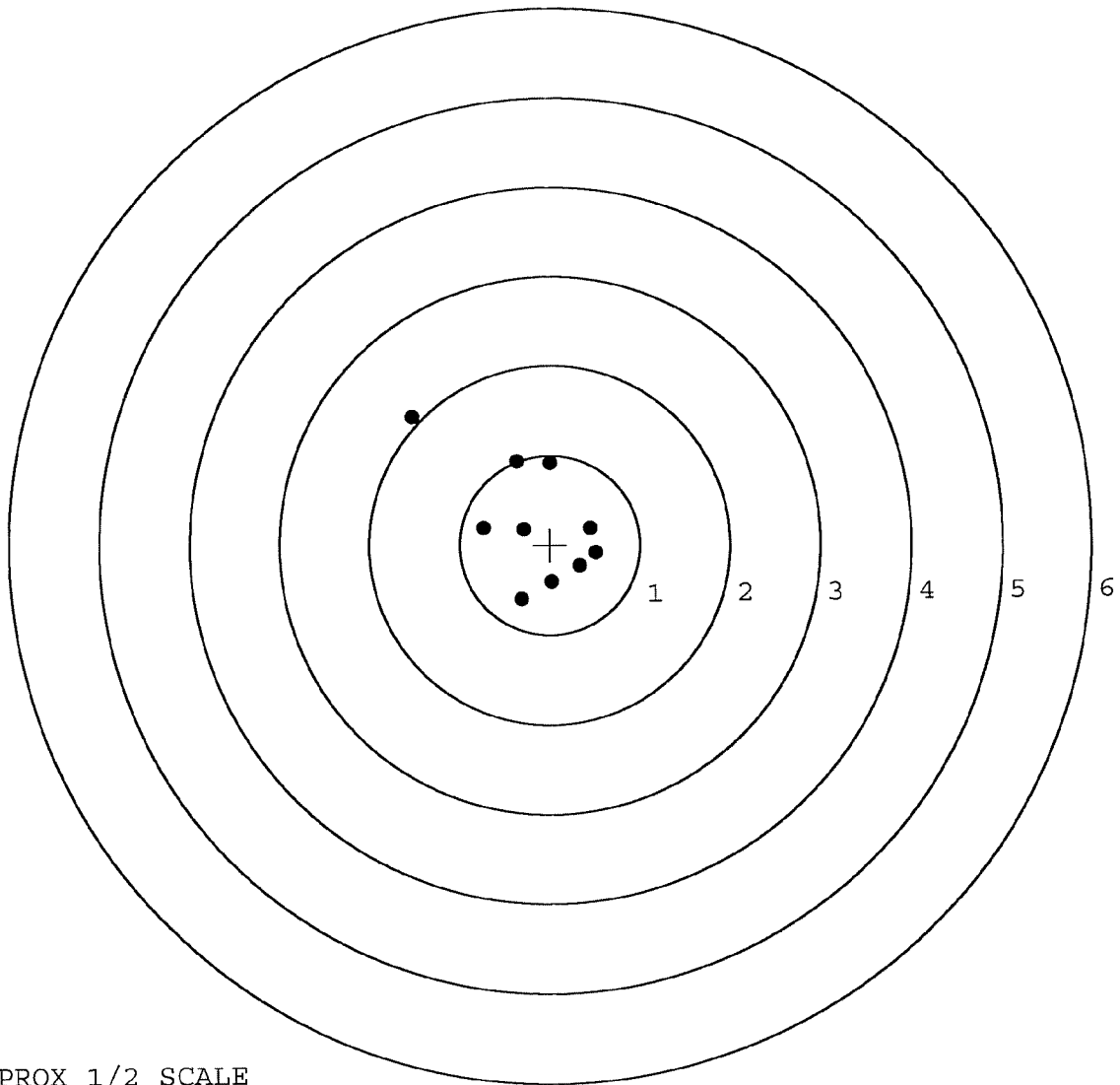


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523355. 0
 TARGET NUMBER: 4
 FILE DATE: 11/23/2005
 FILE TIME: 21:35

X CENTROID: -0.191
 Y CENTROID: 0.250
 POA TO CENTROID: 0.314
 HORZ SPREAD: 2.029
 VERT SPREAD: 2.051
 GROUP SPREAD: 2.546
 MIN RADIUS: 0.123
 MAX RADIUS: 1.785
 MEAN RADIUS: 0.758
 # IN 1 IN DIAMETER: 1
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.018	-0.419
2:	0.330	-0.241
3:	0.510	-0.096
4:	0.453	0.185
5:	-0.292	0.180
6:	-0.737	0.199
7:	-0.361	0.940
8:	0.010	0.915
9:	-1.519	1.442
10:	-0.322	-0.609

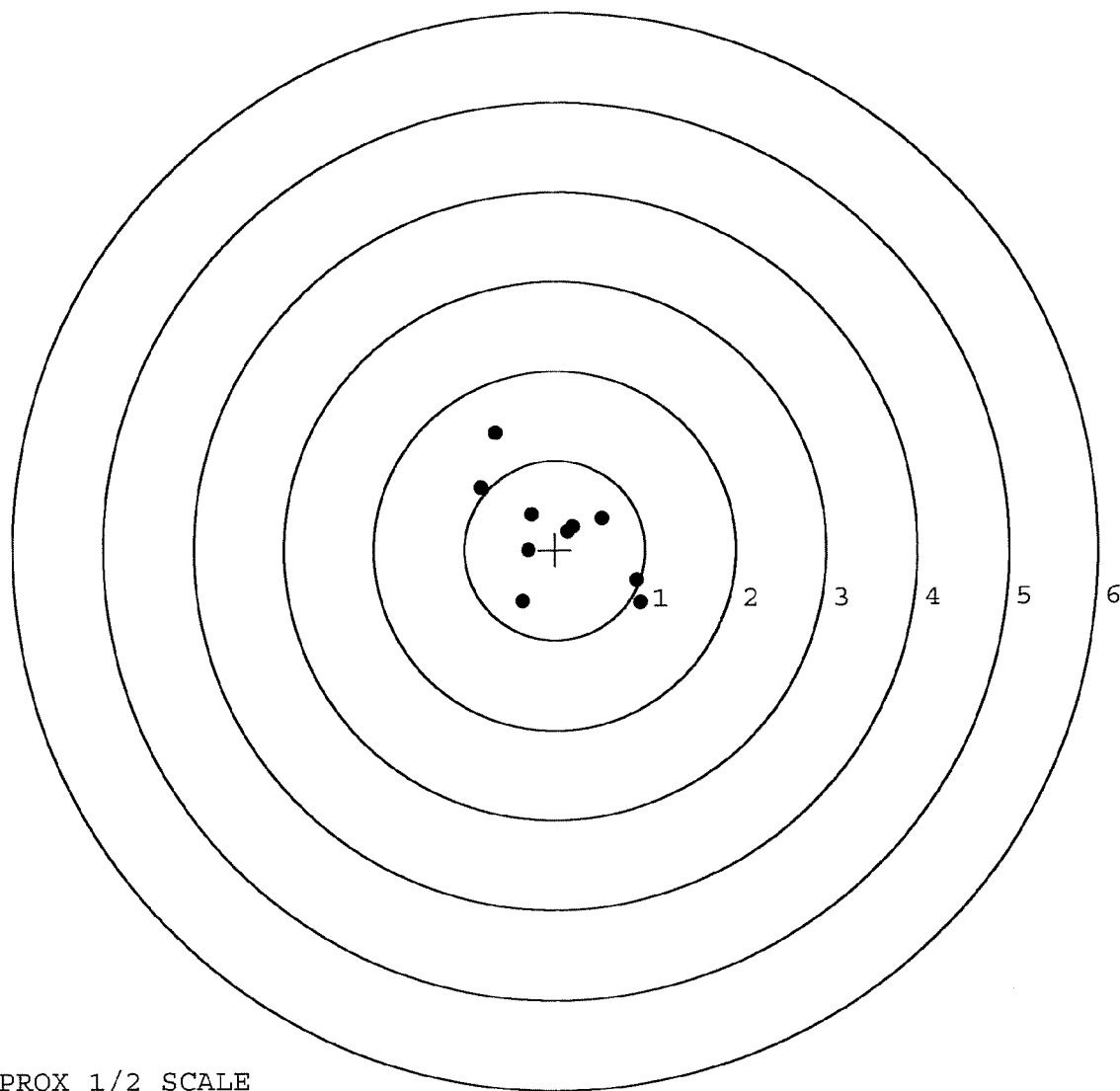


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523355. 0
 TARGET NUMBER: 5
 FILE DATE: 11/23/2005
 FILE TIME: 21:35

X CENTROID: 0.033
 Y CENTROID: 0.169
 POA TO CENTROID: 0.173
 HORZ SPREAD: 1.756
 VERT SPREAD: 1.911
 GROUP SPREAD: 2.485
 MIN RADIUS: 0.114
 MAX RADIUS: 1.330
 MEAN RADIUS: 0.694
 # IN 1 IN DIAMETER: 4
 # IN 2 IN DIAMETER: 6
 # in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.141	0.206
2:	-0.257	0.397
3:	-0.294	-0.009
4:	-0.365	-0.575
5:	0.197	0.260
6:	0.521	0.351
7:	0.904	-0.352
8:	0.942	-0.599
9:	-0.814	0.703
10:	-0.647	1.312



TARGET APPROX 1/2 SCALE

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

R & E NUMBER	102770	Camp Shelby		
SERIAL NUMBER	C 6523355			
LOG-IN DATE	10-20-05			
OPERATION #	OPERATION NAME	DATE	INITIAL	
500	DIS-ASSEMBLE GUN	11-3-05	AC	
505	RE-BARREL	11-8-05	AC	
560	ASSEMBLE	11-15-05	CD	
600	PROOF	11-15-05	CD	
605	CHECK HEADSPACE	11-15-05	CD	
610	DIS-ASSEMBLE GUN	11-15-05	CD	
612	MAGNAFLUX	11/18/05	WAL	
510	DRILL AND TAP	11-17-05	BR	
615	ROLLMARK CALIBER	11-18-05	CW	
618	ROTO-BLAST	11-21-05	LB	
620	APPLY COATINGS	11/22/05	RB	
625	FINAL ASSEMBLY	11-23-05	BG	
640	FUNCTION TEST AND	PASS	FAIL	11-23-05 MTH
650	TARGET	PASS	FAIL	1-23-05 MTH
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
670	FINAL INSPECTION	11-28-05	AC	
	A) HEADSPACE	PASS	FAIL	11-28-05 AC
	B) TRIGGER PULL	AC		
		+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS		
680	F) SAFETY ON FORCE	6 lbs 6 lbs 6 lbs AC		
		2 LBS MIN 10 LBS		
	G) SAFETY OFF FORCE	4 lbs 4 lbs 4 lbs AC		
		2 LBS		
	I) FIRING PIN INDENT	.024 .024 .024 AC		
690	PACK	1020 RA		

**MAGNA-FLUX
INSPECTED**

NOV 18 2005

OPERATOR WAL

Remington®
REG. U.S. PAT. & TM. OFF.

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

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

MODEL 700™ H24

SERIAL NO.
C6523355

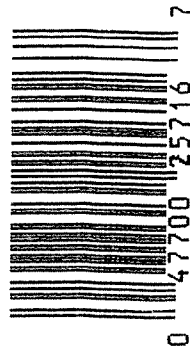
ORDER NO.
5716

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

01

5716 C6523355

UPC



CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6523355
9 Sep 1990

CENTROIDAL DISTANCES

0 TO	1	.326455
1 TO	2	.51604
1 TO	3	.569959
1 TO	4	.721632
1 TO	5	.320003

$\frac{3.4}{1.5}$ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .319
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1486
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .351913
THE AMR FOR THIS RIFLE IS: .8274

9 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6523355

CENTERFIRE PATTERNS # 1

POA

1in circle

2in circle

3in circle

OF SHOTS- 10

IN CIR

1in = 0

2in = 6

3in = 9

HS= 2.526

VS= 2.193

GS= 2.852

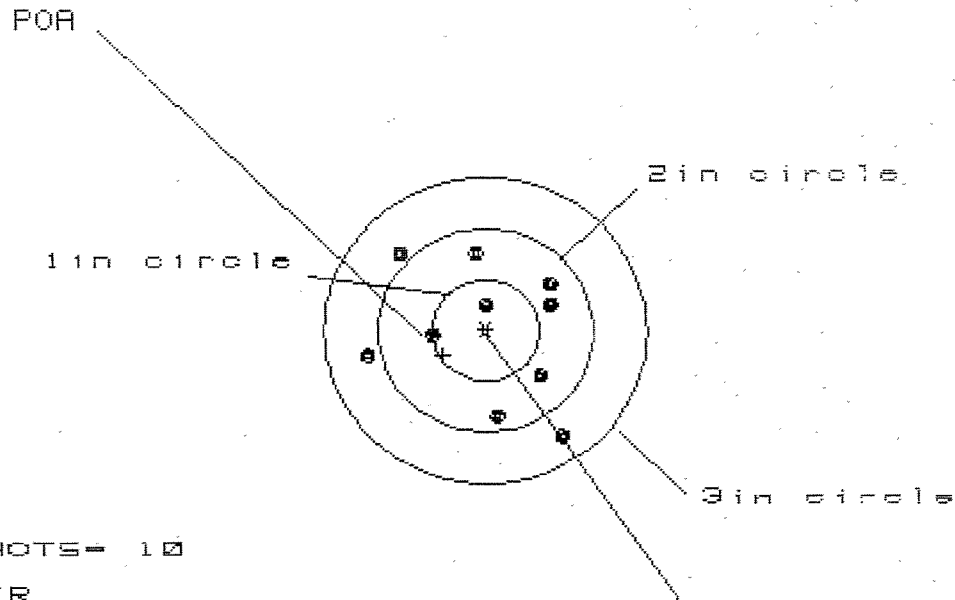
CENTROID *

PATTERN #	1	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.307	1.013	.879
MINIMUM X	-1.218	-1.073	-1.144
MAXIMUM Y	.904	.990	.932
MINIMUM Y	-1.289	-1.203	-1.261
CENTROID X	.218	.072	.206
CENTROID Y	-.243	-.329	-.271
POA TO CENTROID in.	.326	.337	.340
MIN RADIUS	.524	.371	.509
MEAN RADIUS	1.000	.931	.894
MAX RADIUS	1.520	1.256	1.282
HORIZONTAL SPREAD	2.526	2.086	2.023
VERTICAL SPREAD	2.193	2.193	2.193
EXTREME SPREAD	2.852	2.198	2.198
NUMBER IN ONE INCH CIRCLE =		0	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		9	

9 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8523355

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 7

3 in = 10

HS= 1.848

VS= 1.842

GS= 2.329

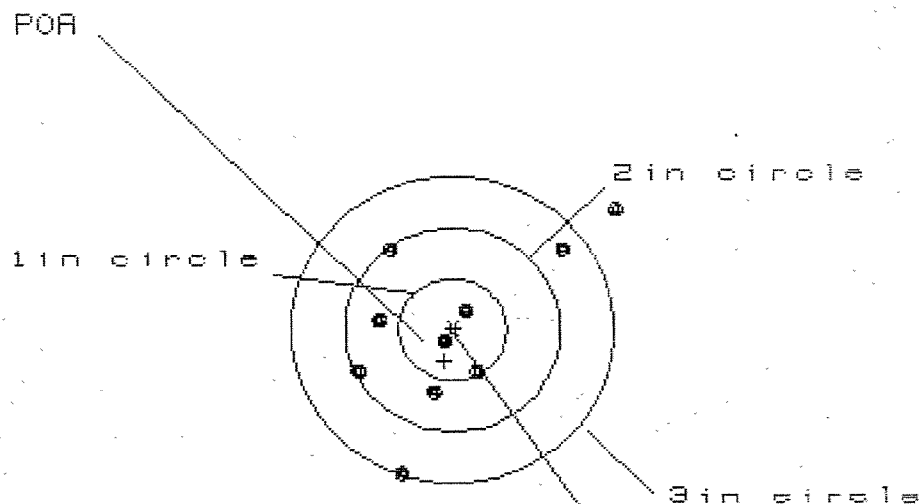
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.706	.718	.585
MINIMUM X	:	-1.142	-1.064	-.873
MAXIMUM Y	:	.807	.692	.650
MINIMUM Y	:	-1.035	-.954	-.996
CENTROID X	:	.397	.319	.452
CENTROID Y	:	.241	.356	.398
POA TO CENTROID in.	:	.465	.478	.602
MIN RADIUS	:	.295	.188	.157
MEAN RADIUS	:	.805	.738	.673
MAX RADIUS	:	1.253	1.115	1.042
HORIZONTAL SPREAD	:	1.848	1.782	1.458
VERTICAL SPREAD	:	1.842	1.646	1.646
EXTREME SPREAD	:	2.329	1.869	1.802
HUNTER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

9 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8523355

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 7

3 in = 8

HS= 2.394

VS= 2.621

GS= 3.314

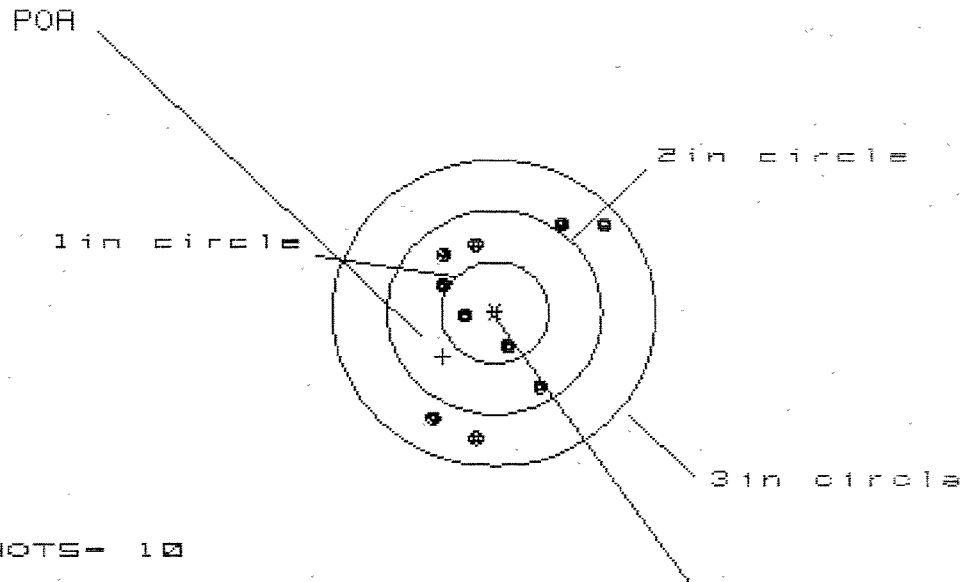
CENTROID #

PATTERN #	3
SHOTS (BEST OF)	10
MAXIMUM X	1.509
MINIMUM X	-.885
MAXIMUM Y	1.172
MINIMUM Y	-1.449
CENTROID X	.080
CENTROID Y	.310
POA TO CENTROID in.	.320
MIN RADIUS	.083
MEAN RADIUS	.877
MAX RADIUS	1.910
HORIZONTAL SPREAD	2.394
VERTICAL SPREAD	2.621
EXTREME SPREAD	3.314
NUMBER IN ONE INCH CIRCLE =	3
NUMBER IN TWO INCH CIRCLE =	7
NUMBER IN THREE INCH CIRCLE =	8

9 Sep 1998

FILE: \PATTERNING\CENTERFIRE_PATT\06523355

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 6

3 in = 10

HS= 1.628

VS= 2.097

GS= 2.463

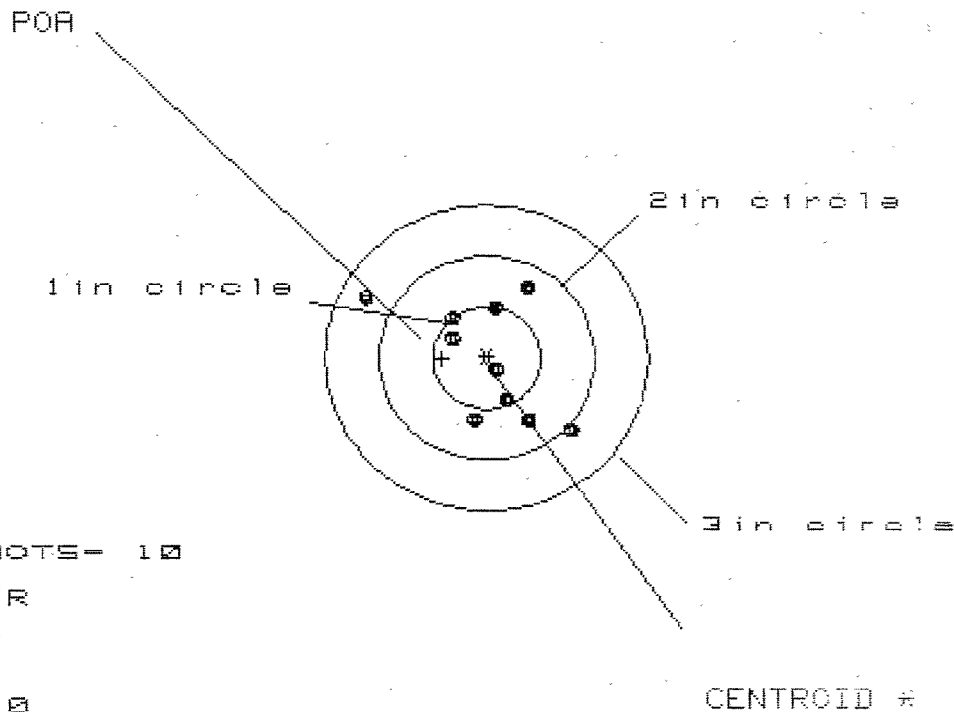
CENTROID #

PATTERN #	4	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.003	.770	.763
MINIMUM X	-.625	-.514	-.521
MAXIMUM Y	.912	1.004	.867
MINIMUM Y	-1.185	-1.093	-1.060
CENTROID X	.481	.370	.377
CENTROID Y	.429	.337	.474
POA TO CENTROID in.	.645	.500	.605
MIN RADIUS	.259	.178	.159
MEAN RADIUS	.823	.753	.694
MAX RADIUS	1.303	1.265	1.182
HORIZONTAL SPREAD	1.628	1.284	1.284
VERTICAL SPREAD	2.097	2.097	1.928
EXTREME SPREAD	2.463	2.316	2.316
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	10		

9 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8529355

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 4

2in = 8

3in = 10

HS= 1.834

VS= 1.416

GS= 2.265

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.738	.616	.365
MINIMUM X	-1.096	-.464	-.387
MAXIMUM Y	.683	.750	.666
MINIMUM Y	-.733	-.666	-.613
CENTROID X	.419	.541	.464
CENTROID Y	.006	-.061	.023
POA TO CENTROID in.	.419	.544	.464
MIN RADIUS	.124	.019	.104
MEAN RADIUS	.632	.549	.503
MAX RADIUS	1.248	.908	.760
HORIZONTAL SPREAD	1.834	1.080	.752
VERTICAL SPREAD	1.416	1.416	1.279
EXTREME SPREAD	2.265	1.541	1.402
NUMBER IN ONE INCH CIRCLE =	4		
NUMBER IN TWO INCH CIRCLE =	8		
NUMBER IN THREE INCH CIRCLE =	10		

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C 6523355

DATE 7/4/90

TESTER WB

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.40	2.30	2.35	2.41	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.35	2.31	2.31	2.40	
PULL #3	2.40	2.28	2.31	2.42	
PULL #4	2.46	2.28	2.32	2.43	
PULL #5	2.39	2.30	2.23	2.45	
TOTAL	12.00	11.47	11.52	12.11	
AVG.	2.40	2.29	2.30	2.42	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.21	3.29		
PULL #2	3.07	3.22		
PULL #3	3.28	3.21		
PULL #4	3.23	3.26		
PULL #5	3.32	3.33		
TOTAL	16.11	16.31		
AVG.	3.22	3.26		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.24	4.19		4.32
PULL #2	4.27	4.18		4.17
PULL #3	4.22	4.20		4.18
PULL #4	4.25	4.16		4.19
PULL #5	4.21	4.14		4.17
TOTAL	21.19	20.87		21.03
AVG.	4.24	4.17		4.21

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C 6523355

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		8-21-90	DB
600	Proof		8-21-90	DB
607	Check Headspace		8-21-90	DB
610	Dis-assemble Gun		8-21-90	DM
612	Magnaflux Barrel Action		8/22/90	KCR
	Magnaflux Bolt		8/22/90	KCR
615	Rollmark Caliber		8/22/90	GB.
617	Drill and Tap Sight Holes		8/22/90	LB
618	Polish Barrel RB		8/22/90	WB
620	Apply Coatings (Barrel Action)		8-23-90	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		9/1/90	WB

op. #	OP. NAME	READINGS					DATE	INIT
625 ont.	F) Safety On Force	4	4	4			9/4/90	WB
	G) Safety Off Force	2 1/2	2 1/2	2 1/2			9/4/90	WB
	H) Trigger Pull Test & Retainability						9/4/90	WB
	I) Firing Pin Indent	.023	.023	.023			9/4/90	WB
	J) Assemble Stock						9/6/90	RW
	K) Assemble Swivel Studs						9/11/90	JS
	L) Attach Front and Rear Sight Assemblies						9/6/90	RW
	M) Iron Sight Alignment						9/6/90	RW
	N) Detach Front & Rear Sights & place in numbered container						9/6/90	RW
	O) Attach Scope to Rifle						9/6/90	RW
	P) Detach & Attach Scope 20 Times						9/6/90	RW
640	Gallery Target & Test						9-9-90	PH
	A) Time						9-9-90	PH
	B) Malfunctions						9-9-90	PH
	C) Pierced Primers						9-9-90	PH
	D) Optical Clarity of Scope						9-9-90	PH
645	Inspect for Live Ammo						9-9-90	PH
655	Final Inspection							
	A) Headspace						9/11/90	JS
	B) Trigger Pull	2.41	2.40	2.42	2.43	2.45	9/10/90	WB
	C) Function						9/11/90	JS
660	Pack						9/19/90	JS