

C6522159

MODEL 700™ M24

Model **SWS**™

Action

Barrel Length

Capacity

Order No. **5716**

* Includes 1 in chamber.

Remington

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: **RE00112978** Serial: C6522159 Model M24 SWS Center Fire
 Verify Repair: ☐ Status: New 5/30/2006 11:20:26 AM

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

Condition: Fair

Condition Notes:

CSR Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	3
A010	Hard Case	1
A017	Scope Base	1
A057	Frt and Rear Sgt Base	1

Repair Search Refresh Close

magleij 5/31/2006 10:42 AM CAPS NUM INS SCRL

start 2 Microso... 2 Microso... 3 Interne... Arms Servic... Part Search... 10:42 AM

Serial Number: **C6522159**

Model: **M24 SWS**

RE00112978

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6522159.___0
FILE DATE AND TIME: 07/05/2006 08:18

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

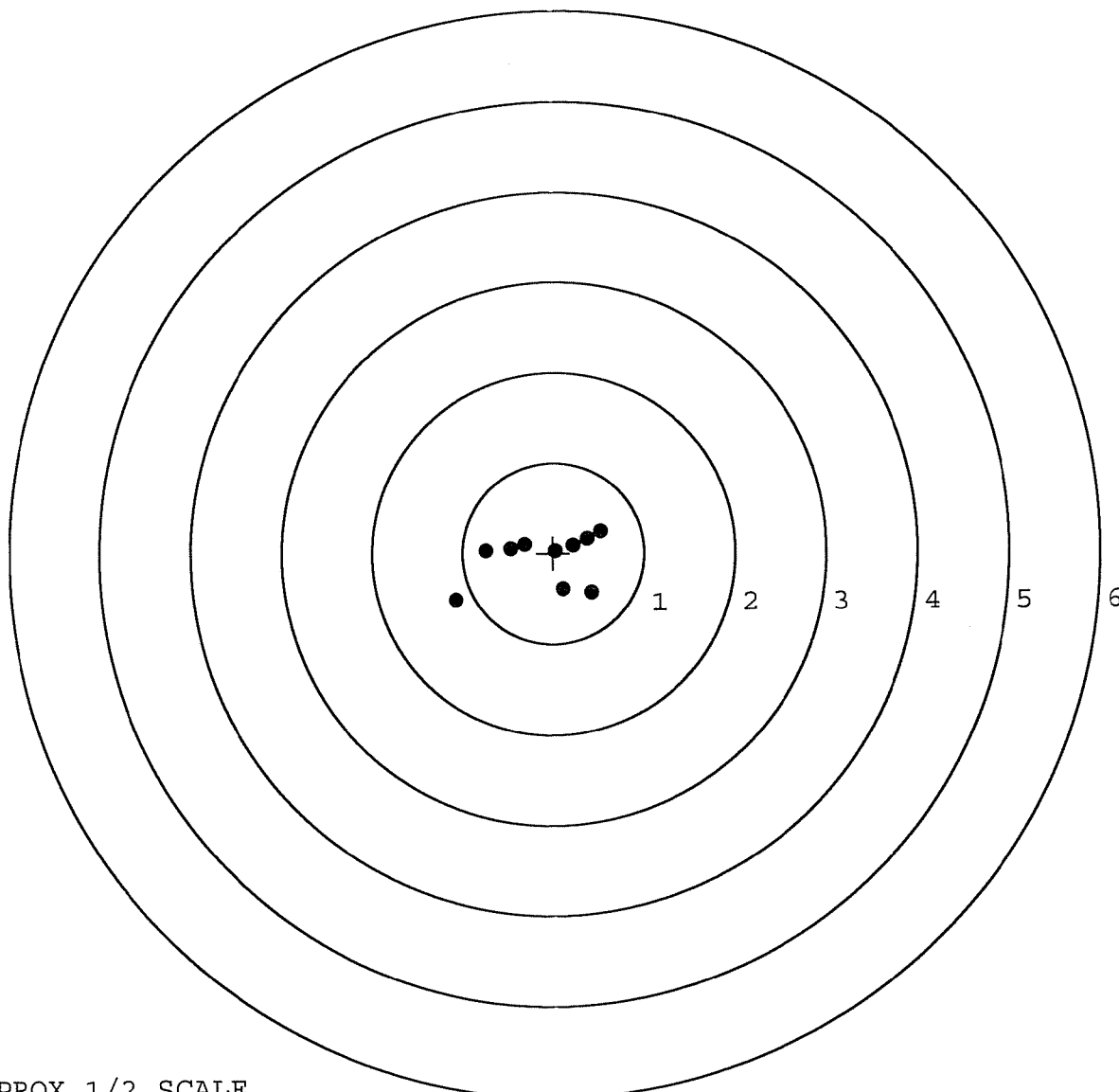
The Average X Centroid of the Five Target Set:	-0.046
The Average Y Centroid of the Five Target Set:	-0.042
The Average Point of Impact of the Five Target Set:	0.062
The Average Mean Radius of the Five Target Set:	0.516
The Distance from POA to Centroid Target #1:	0.116
The Distance from Centroid Target #2 to Centroid Target #1:	0.066
The Distance from Centroid Target #3 to Centroid Target #1:	0.059
The Distance from Centroid Target #4 to Centroid Target #1:	0.110
The Distance from Centroid Target #5 to Centroid Target #1:	0.170

SERIAL NUMBER: C6522159. __0
TARGET NUMBER: 1
FILE DATE: 07/05/2006
FILE TIME: 08:18

X CENTROID: -0.094
Y CENTROID: -0.069
POA TO CENTROID: 0.116
HORZ SPREAD: 1.598
VERT SPREAD: 0.754
GROUP SPREAD: 1.767
MIN RADIUS: 0.149
MAX RADIUS: 1.081
MEAN RADIUS: 0.515

IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.424	-0.446
2:	0.111	-0.404
3:	-1.076	-0.519
4:	-0.745	0.033
5:	-0.471	0.047
6:	-0.319	0.097
7:	0.022	0.025
8:	0.221	0.082
9:	0.375	0.160
10:	0.522	0.235

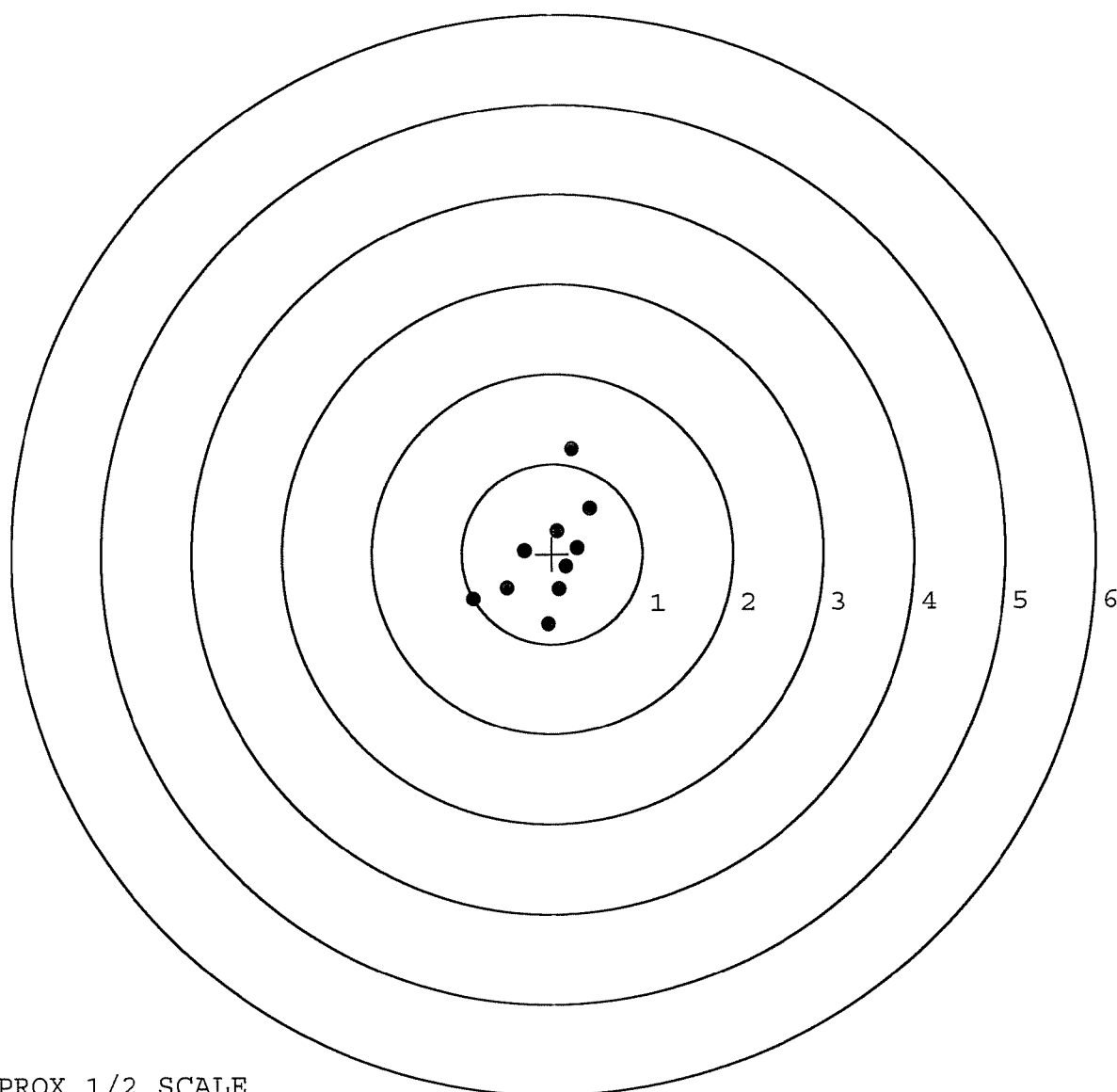


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522159. __0
TARGET NUMBER: 2
FILE DATE: 07/05/2006
FILE TIME: 08:18

X CENTROID: -0.051
Y CENTROID: -0.018
POA TO CENTROID: 0.054
HORZ SPREAD: 1.304
VERT SPREAD: 1.949
GROUP SPREAD: 1.994
MIN RADIUS: 0.244
MAX RADIUS: 1.215
MEAN RADIUS: 0.575
IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.224	1.165
2:	0.426	0.497
3:	0.057	0.248
4:	-0.048	-0.784
5:	-0.310	0.037
6:	-0.502	-0.378
7:	-0.878	-0.497
8:	0.282	0.063
9:	0.159	-0.142
10:	0.077	-0.391



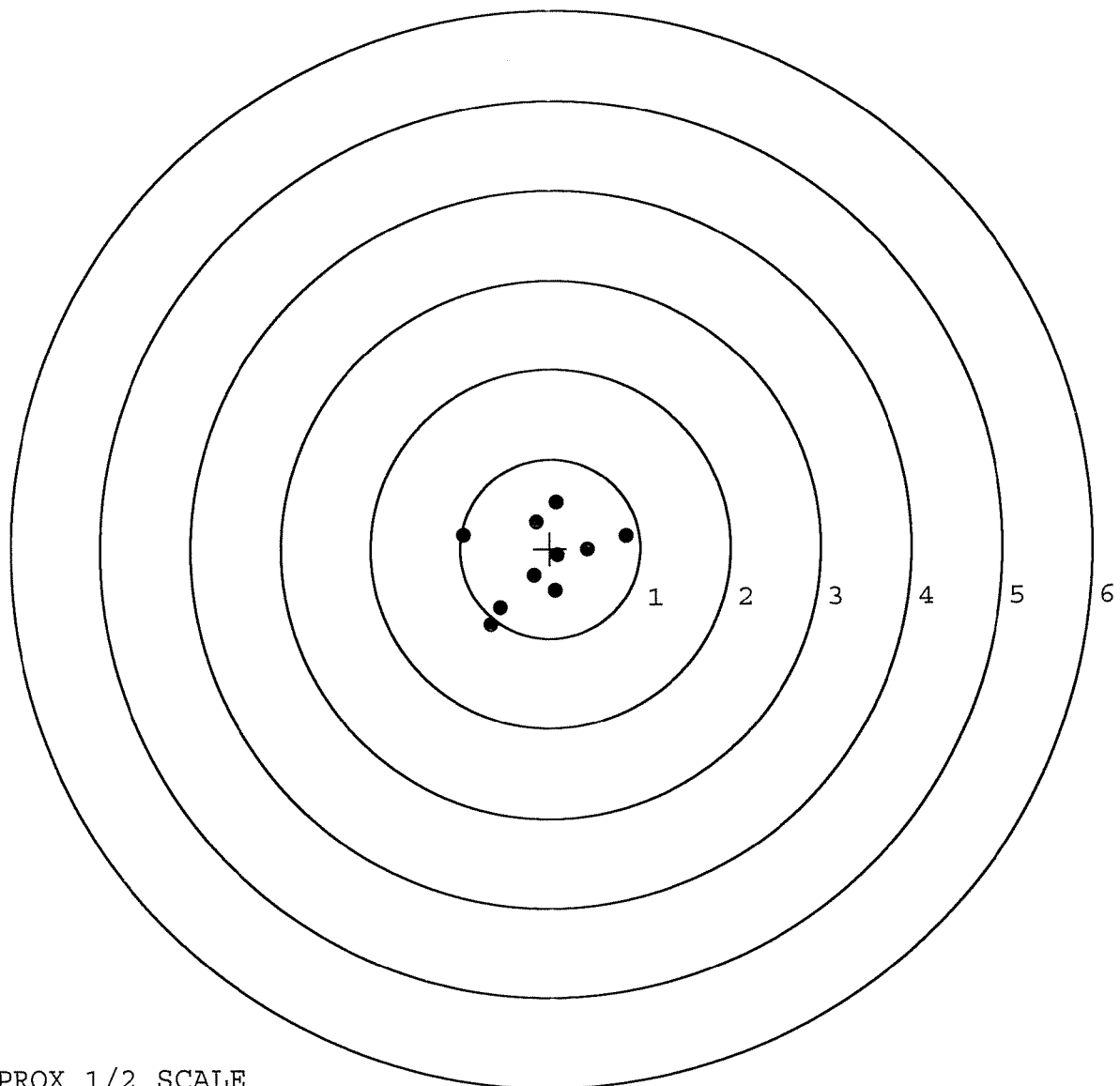
TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522159. __0
TARGET NUMBER: 3
FILE DATE: 07/05/2006
FILE TIME: 08:18

X CENTROID: -0.104
Y CENTROID: -0.127
POA TO CENTROID: 0.164
HORZ SPREAD: 1.805
VERT SPREAD: 1.365
GROUP SPREAD: 1.805
MIN RADIUS: 0.191
MAX RADIUS: 0.985
MEAN RADIUS: 0.590

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

POINT#	X	Y
1:	-0.664	-0.848
2:	-0.556	-0.661
3:	-0.960	0.157
4:	0.845	0.138
5:	0.069	0.517
6:	-0.154	0.297
7:	0.419	-0.020
8:	0.084	-0.079
9:	-0.181	-0.302
10:	0.060	-0.473



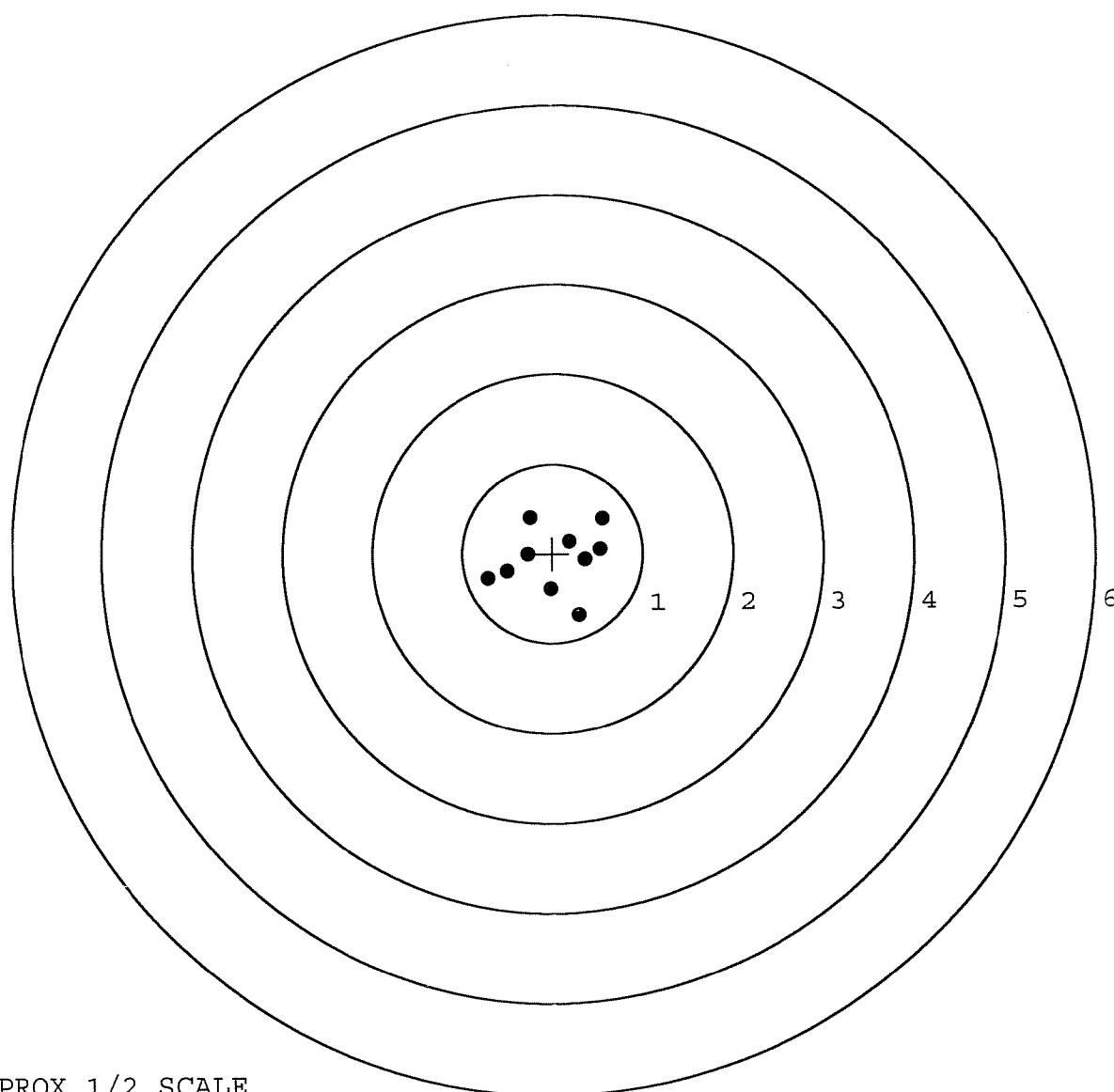
TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522159. __0
TARGET NUMBER: 4
FILE DATE: 07/05/2006
FILE TIME: 08:18

X CENTROID: 0.016
Y CENTROID: -0.068
POA TO CENTROID: 0.070
HORZ SPREAD: 1.269
VERT SPREAD: 1.098
GROUP SPREAD: 1.433
MIN RADIUS: 0.270
MAX RADIUS: 0.761
MEAN RADIUS: 0.500

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

POINT#	X	Y
1:	0.295	-0.697
2:	-0.020	-0.399
3:	-0.252	0.401
4:	-0.279	-0.011
5:	-0.501	-0.199
6:	-0.715	-0.277
7:	0.192	0.138
8:	0.361	-0.067
9:	0.528	0.047
10:	0.554	0.388

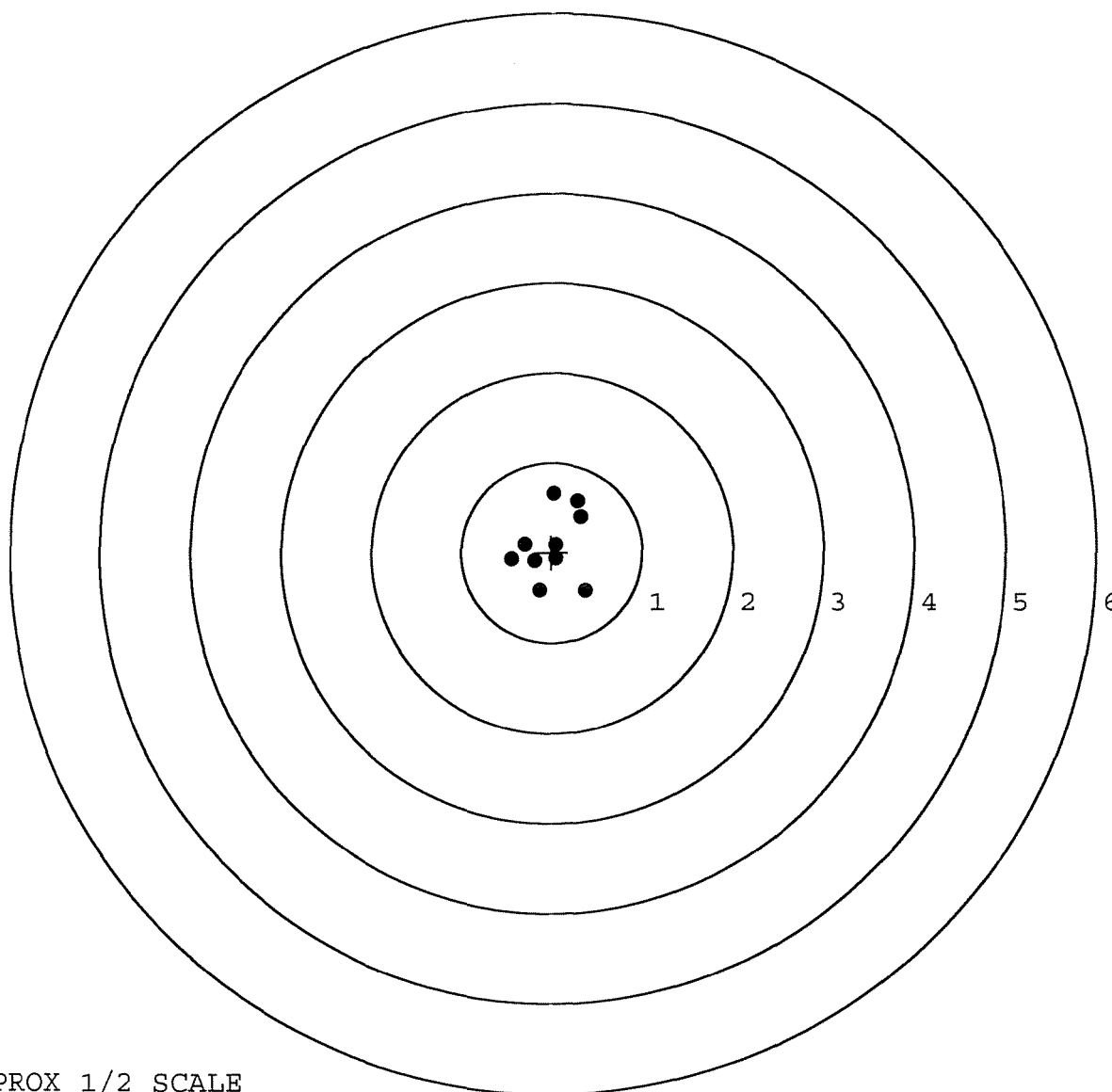


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522159. __0
TARGET NUMBER: 5
FILE DATE: 07/05/2006
FILE TIME: 08:18

X CENTROID: 0.005
Y CENTROID: 0.070
POA TO CENTROID: 0.070
HORZ SPREAD: 0.818
VERT SPREAD: 1.075
GROUP SPREAD: 1.127
MIN RADIUS: 0.046
MAX RADIUS: 0.616
MEAN RADIUS: 0.398
IN 1 IN DIAMETER: 6
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.326	0.400
2:	0.292	0.572
3:	0.026	0.650
4:	0.375	-0.422
5:	-0.305	0.091
6:	-0.443	-0.076
7:	0.049	0.083
8:	0.052	-0.072
9:	-0.189	-0.098
10:	-0.136	-0.425



TARGET APPROX 1/2 SCALE

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

R & E NUMBER	112978				
SERIAL NUMBER	C6522159				
LOG-IN DATE	5-30-06				
OPERATION #	OPERATION NAME		DATE	INITIAL	
500	DIS-ASSEMBLE GUN		6-15-06	RTJ	
505	RE-BARREL		6-20-06	CR	
420	ASSEMBLE		6-20-06	RTJ	
440	PROOF	MAGNA-FLUX INSPECTED	6-20-06	TRW	
460	CHECK HEADSPACE		6-20-06	TRW	
470	DIS-ASSEMBLE GUN	JUN 23 2006	6-21-06	RTJ	
480	MAGNAFLUX	OPERATOR <i>crumb</i>	6/23/06	<i>crumb</i>	
510	DRILL AND TAP		6-22-06	TRW	
500	ROLLMARK CALIBER		6-22-06	CW	
520	GOFF BLAST BBL / REC		6-23-06	LB	
530 & 540	APPLY COATINGS		6/28/06	FB	
560	FINAL ASSEMBLY		6/29/06	BLC	
640	FUNCTION TEST AND	(PASS) FAIL	7-5-06	TRW	
650	TARGET	(PASS) FAIL	7-5-06	TRW	
	MALFUNCTION	CORRECTION			
	MALFUNCTION	CORRECTION			
	MALFUNCTION	CORRECTION			
	MALFUNCTION	CORRECTION	7-5-06	R.P.	
670	FINAL INSPECTION		7-7-06	<i>AC</i>	
	A) HEADSPACE	(PASS) FAIL	7-7-06	AC	
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	<i>N/A</i>	<i>AC</i>	
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS MAX	<i>5 lbs 5 lbs 5 lbs</i>	<i>AC</i>	
	G) SAFETY OFF FORCE	2 LBS MIN	<i>4 lbs 4 lbs 4 lbs</i>	<i>AC</i>	
	I) FIRING PIN INDENT	.020	<i>.022 .022 .022</i>	<i>AC</i>	
690	PACK		7-10-06	<i>DT</i>	

F006 REV 5/2006

FINAL INSPECTION CHECKLIST

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

Remington® REG. U.S. PAT. & TM. OFF.

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

MODEL 700™ H24

SERIAL NO.
C6522159

ORDER NO.
5716

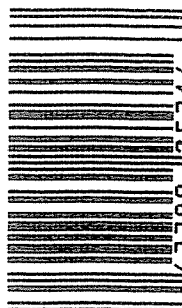
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.

Q1



5716 C6522159

LPC



0 47700 25716 7

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06522159
6 Sep 1990

CENTROIDAL DISTANCES

0 TO	1	.1036
1 TO	2	.0335261
1 TO	3	.0294109
1 TO	4	.131027
1 TO	5	.043909

←----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0814
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .093
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .123592
THE AMP FOR THIS RIFLE IS: .832

6 Sep 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C8522159

CENTERFIRE PATTERNS

1

POA

1in circle

2in circle

3in circle

OF SHOTS- 10

IN CIR

1in = 2

2in = 6

3in = 10

HS= 2.109

VS= 2.372

GS= 2.510

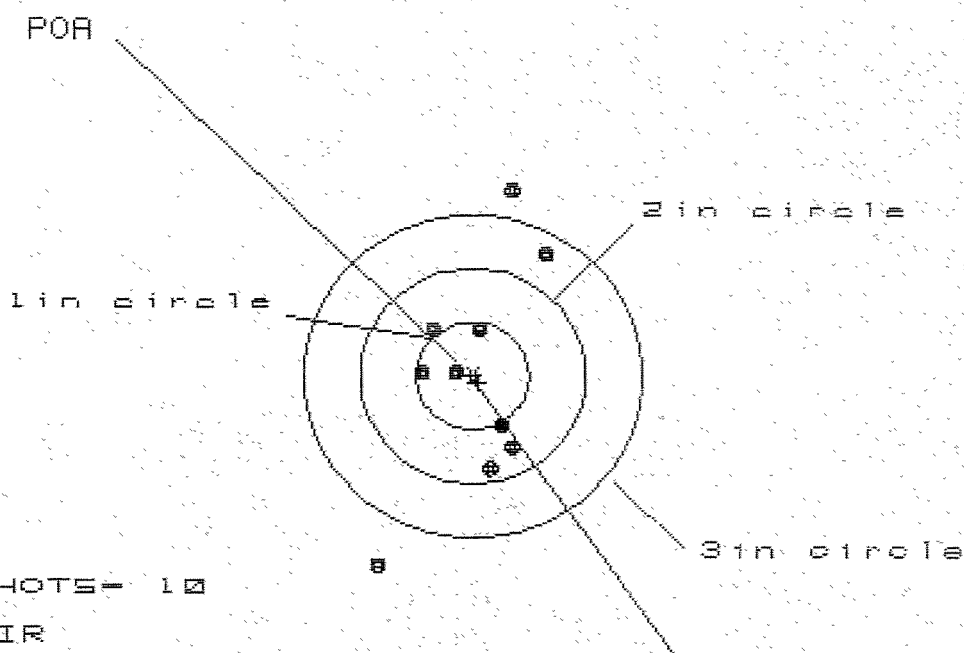
CENTROID *

PATTERN #	1	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.834	.692	.676
MINIMUM X	-1.275	-.658	-.674
MAXIMUM Y	1.405	1.334	1.270
MINIMUM Y	-.967	-1.038	-.871
CENTROID X	-.062	.080	.096
CENTROID Y	.083	.154	-.013
POA TO CENTROID in.	.104	.173	.096
MIN RADIUS	.210	.095	.262
MEAN RADIUS	.940	.869	.812
MAX RADIUS	1.427	1.340	1.331
HORIZONTAL SPREAD	2.109	1.350	1.350
VERTICAL SPREAD	2.372	2.372	2.141
EXTREME SPREAD	2.510	2.510	2.396
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	10		

6 Sep 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C8522153

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 7

3 in = 8

HS= 1.488

VS= 3.590

GS= 3.809

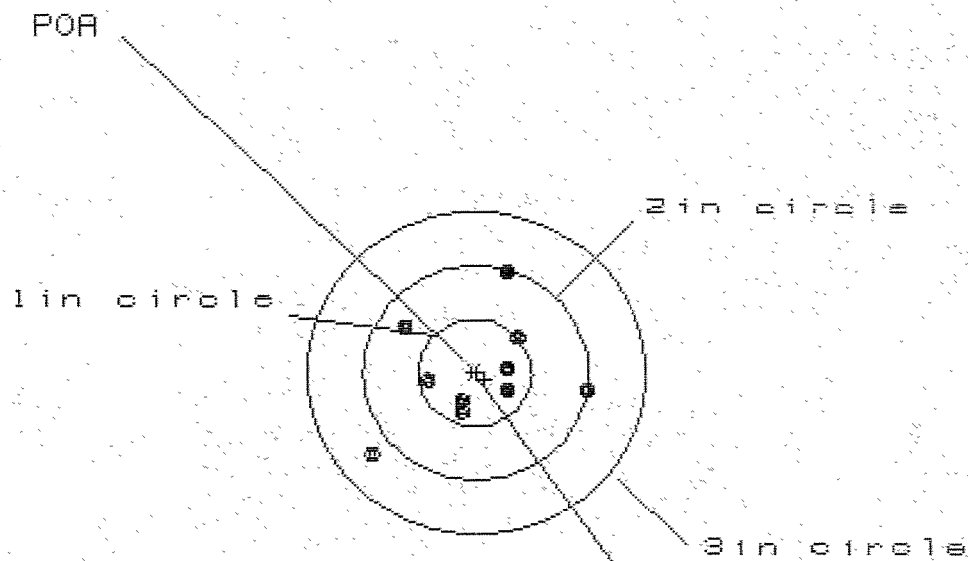
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.615	.518	.556
MINIMUM X	:	-.873	-.506	-.467
MAXIMUM Y	:	1.786	1.586	1.124
MINIMUM Y	:	-1.804	-1.079	-.881
CENTROID X	:	-.052	.045	.006
CENTROID Y	:	.061	.261	.063
POA TO CENTROID in.	:	.080	.265	.063
MIN RADIUS	:	.184	.205	.241
MEAN RADIUS	:	.887	.769	.638
MAX RADIUS	:	2.004	1.615	1.254
HORIZONTAL SPREAD	:	1.488	1.024	1.024
VERTICAL SPREAD	:	3.590	2.665	2.005
EXTREME SPREAD	:	3.809	2.680	2.066
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		8	

5 Sep 1998

FILE: \PATTERNING\CENTERFIRE_PATT\0522159

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 6

2in = 8

3in = 10

HS= 1.931

VS= 1.719

GS= 2.071

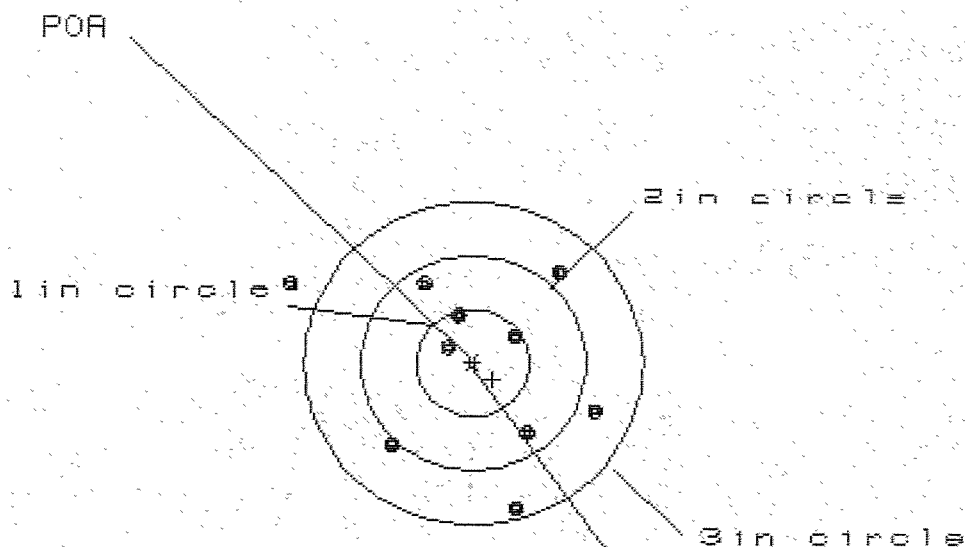
CENTROID #

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.024	.923	.364
MINIMUM X	:	-.907	-.686	-.571
MAXIMUM Y	:	.942	.856	.821
MINIMUM Y	:	-.777	-.462	-.497
CENTROID X	:	-.079	.022	-.093
CENTROID Y	:	.059	.145	.180
POA TO CENTROID in.	:	.098	.147	.203
MIN RADIUS	:	.269	.170	.291
MEAN RADIUS	:	.611	.541	.493
MAX RADIUS	:	1.194	.964	.862
HORIZONTAL SPREAD	:	1.931	1.609	.935
VERTICAL SPREAD	:	1.719	1.318	1.318
EXTREME SPREAD	:	2.071	1.719	1.365
NUMBER IN ONE INCH CIRCLE	=		6	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		10	

5 Sep 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C8522159

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 5

3 in = 9

HS= 2.653

VS= 2.177

GS= 2.907

CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.029	.849	.871
MINIMUM X	:	-1.624	-.912	-.890
MAXIMUM Y	:	.861	.946	.792
MINIMUM Y	:	-1.316	-1.231	-.777
CENTROID X	:	-.174	.006	-.017
CENTROID Y	:	.151	.066	.220
POA TO CENTROID in.	:	.231	.066	.220
MIN RADIUS	:	.235	.373	.283
MEAN RADIUS	:	.924	.826	.742
MAX RADIUS	:	1.796	1.244	1.181
HORIZONTAL SPREAD	:	2.653	1.761	1.761
VERTICAL SPREAD	:	2.177	2.177	1.569
EXTREME SPREAD	:	2.907	2.215	2.170
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

6 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6522159

CENTERFIRE PATTERNS # 5

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS- 10

IN CIR

1in = 1

2in = 7

3in = 10

HS= 1.825

VS= 2.229

GS= 2.265

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.541	.398	.446
MINIMUM X	-1.284	-.626	-.578
MAXIMUM Y	1.146	1.176	1.045
MINIMUM Y	-1.083	-1.053	-.890
CENTROID X	-.040	.103	.055
CENTROID Y	.121	.091	.222
POA TO CENTROID in.	.128	.137	.229
MIN RADIUS	.385	.442	.376
MEAN RADIUS	.798	.725	.662
MAX RADIUS	1.314	1.178	1.051
HORIZONTAL SPREAD	1.825	1.024	1.024
VERTICAL SPREAD	2.229	2.229	1.935
EXTREME SPREAD	2.265	2.252	1.941
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	10		

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C 6522159

DATE 8/29/90

TESTER JPL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.33	2.26	2.45	2.55	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.41	2.30	2.41	2.50	
PULL #3	2.39	2.44	2.31	2.46	
PULL #4	2.39	2.18	2.33	2.48	
PULL #5	2.31	2.12	2.42	2.41	
TOTAL	11.83	11.30	11.92		
AVG.	2.366	2.26	2.384		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.23	3.19		
PULL #2	3.20	3.28		
PULL #3	3.22	3.11		
PULL #4	3.23	3.03		
PULL #5	3.23	3.32		
TOTAL	16.11	16.93		
AVG.	3.222	3.386		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.44	4.25		4.28
PULL #2	4.28	4.24		4.18
PULL #3	4.17	4.26		4.41
PULL #4	4.20	4.23		4.30
PULL #5	4.24	4.33		4.33
TOTAL	21.33	21.31		21.50
AVG.	4.266	4.262		4.3

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6522159

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	8 2	90	RW
600	Proof	8 2	90	RW
607	Check Headspace	8 2	90	RW
610	Dis-assemble Gun	8 2	90	RW
612	Magnaflux Barrel Action		8/1/90	KR
	Magnaflux Bolt		8/1/90	KR
615	Rollmark Caliber		8/1/90	GL
617	Drill and Tap Sight Holes		8/10/90	FB
618	Polish Barrel <i>AB</i>		8/14/90	WB
620	Apply Coatings (Barrel Action)		8-22-90	JA
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly		8/24/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/24/90	RW
	C) Inspect Ejector Hole for Chamfer		8/24/90	RW
	D) Oil Firing Pin Ass'y		8/24/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		8/29/90	JA

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4 1/2	4 1/4	4 1/4			8/29/90	WLB
	G) Safety Off Force	7 1/2	7 1/4	7 1/2			8/29/90	WLB
	H) Trigger Pull Test & Retainability						8/29/90	RF
	I) Firing Pin Indent	.0225	.023	.023			8/29/90	WLB
	J) Assemble Stock						8/30/90	RW
	K) Assemble Swivel Studs						9/8/90	928
	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						9/15/90	KJ
	A) Time						9/15/90	KJ
	B) Malfunctions						9/15/90	KJ
	C) Pierced Primers						9/15/90	KJ
	D) Optical Clarity of Scope						9/15/90	KJ
645	Inspect for Live Ammo						9/15/90	KJ
655	Final Inspection						9/8/90	928
	A) Headspace						9/8/90	928
	B) Trigger Pull	255	256	246	248	241	9/8/90	928
	C) Function						9/8/90	928
660	Pack						9-7-90	DA