

C6522159

MODEL 700™ M24

Model **S&S**™

Action

Barrel Length

Capacity

Order No. **5715**

* Includes 1 in chamber.

Remington

Smead®

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
 Caliber: 7.62 NATO Produced: 09/19/1990 Repairman: Status: New 5/30/2006 11:20:26 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 <table border="1"> <thead> <tr> <th>Code</th> <th>Desc</th> <th>Qty</th> </tr> </thead> <tbody> <tr> <td>A007</td> <td>With Stud</td> <td>3</td> </tr> <tr> <td>A010</td> <td>Hard Case</td> <td>1</td> </tr> <tr> <td>A017</td> <td>Scope Base</td> <td>1</td> </tr> <tr> <td>A057</td> <td>Fit and Rear Sgt Base</td> <td>1</td> </tr> </tbody> </table>	Code	Desc	Qty	A007	With Stud	3	A010	Hard Case	1	A017	Scope Base	1	A057	Fit and Rear Sgt Base	1		
Code	Desc	Qty																	
A007	With Stud	3																	
A010	Hard Case	1																	
A017	Scope Base	1																	
A057	Fit and Rear Sgt Base	1																	

Repair Search Refresh Close

naqletj 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

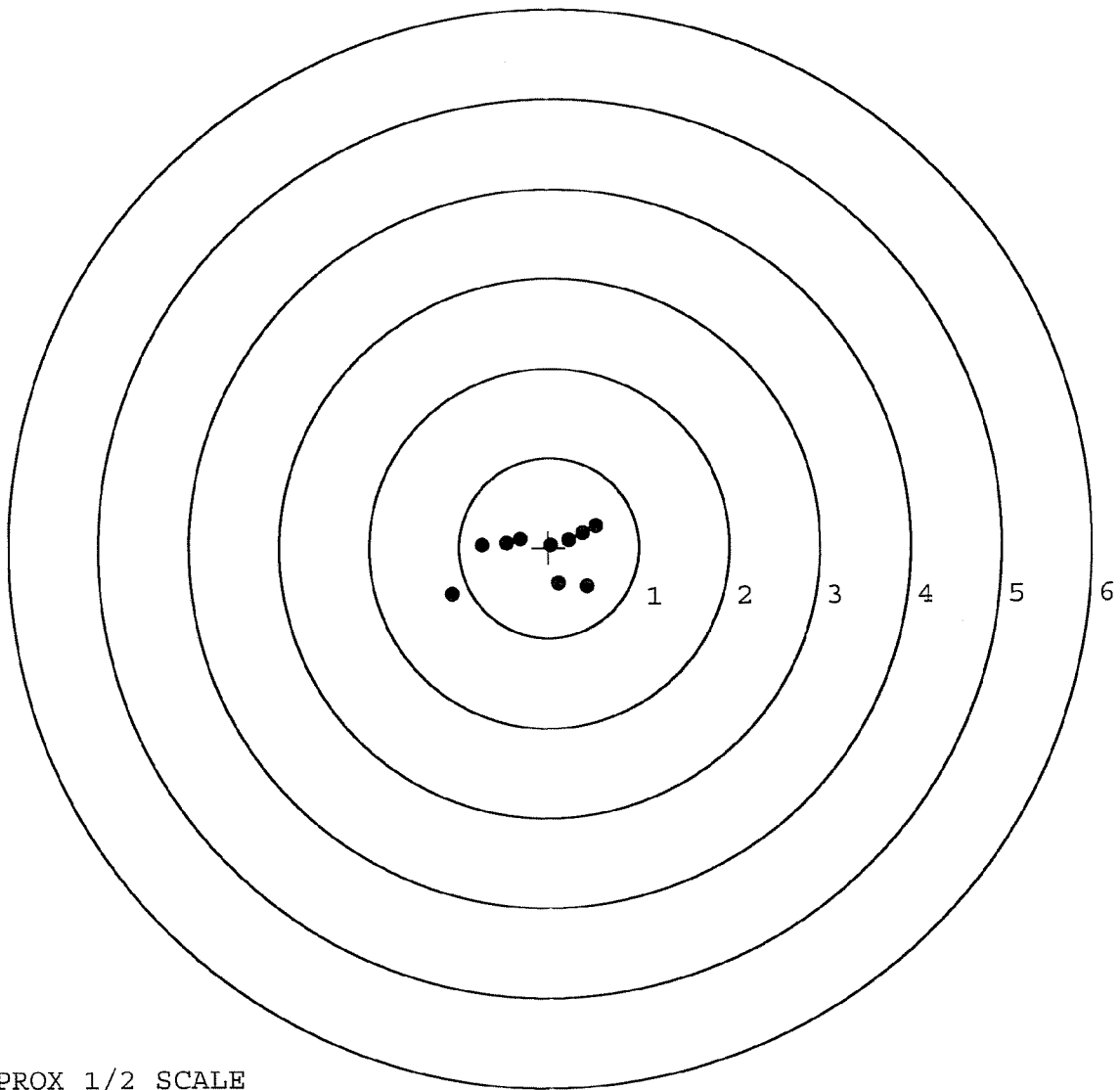
The Average X Centroid of the Five Target Set:	-0.046
The Average Y Centroid of the Five Target Set:	-0.042
The Average Point of Impact of the Five Target Set:	0.062
The Average Mean Radius of the Five Target Set:	0.516
The Distance from POA to Centroid Target #1:	0.116
The Distance from Centroid Target #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

BARBER - M24 0003867

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

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

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



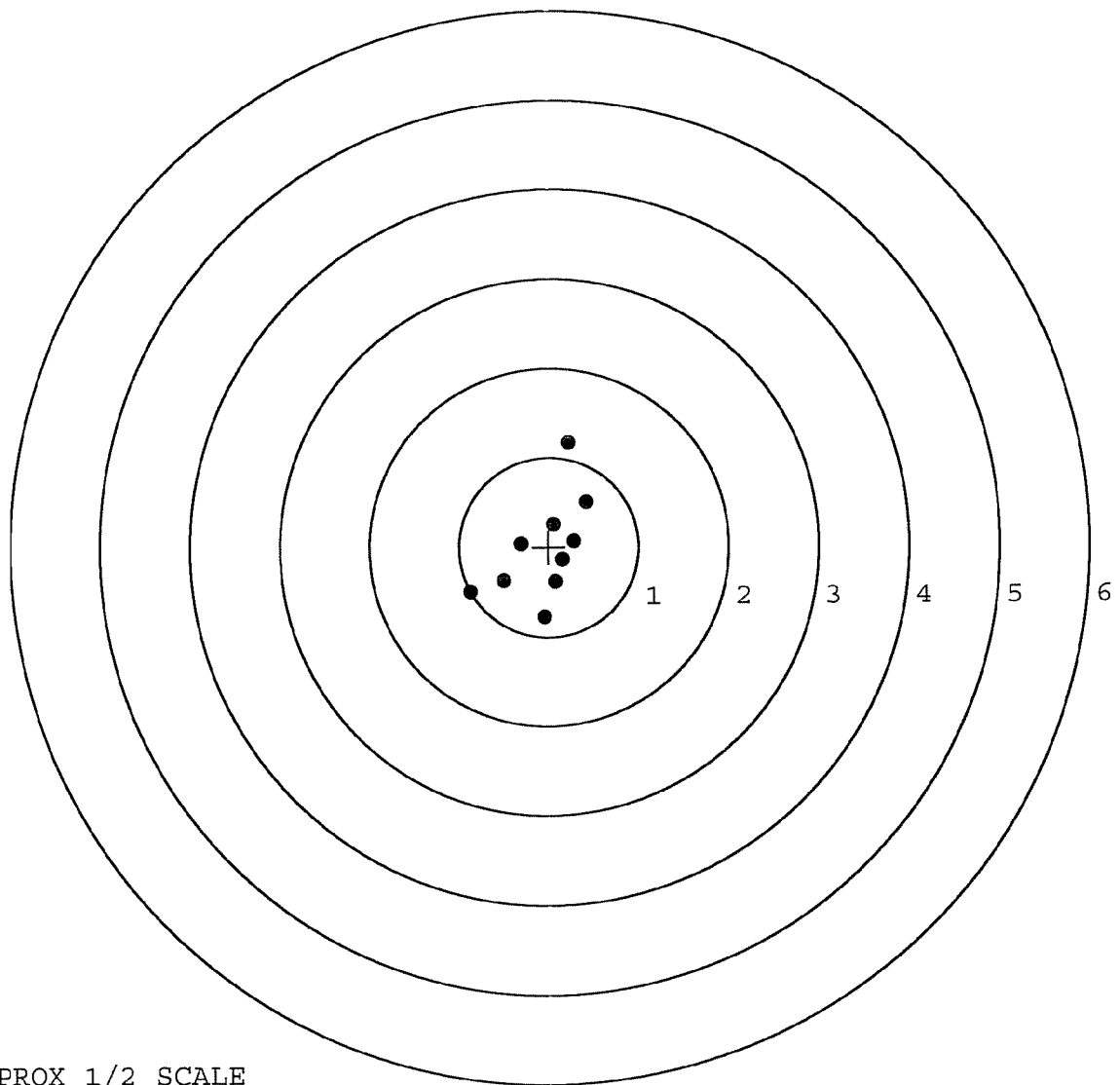
TARGET APPROX 1/2 SCALE

BARBER - M24 0003868

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

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

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



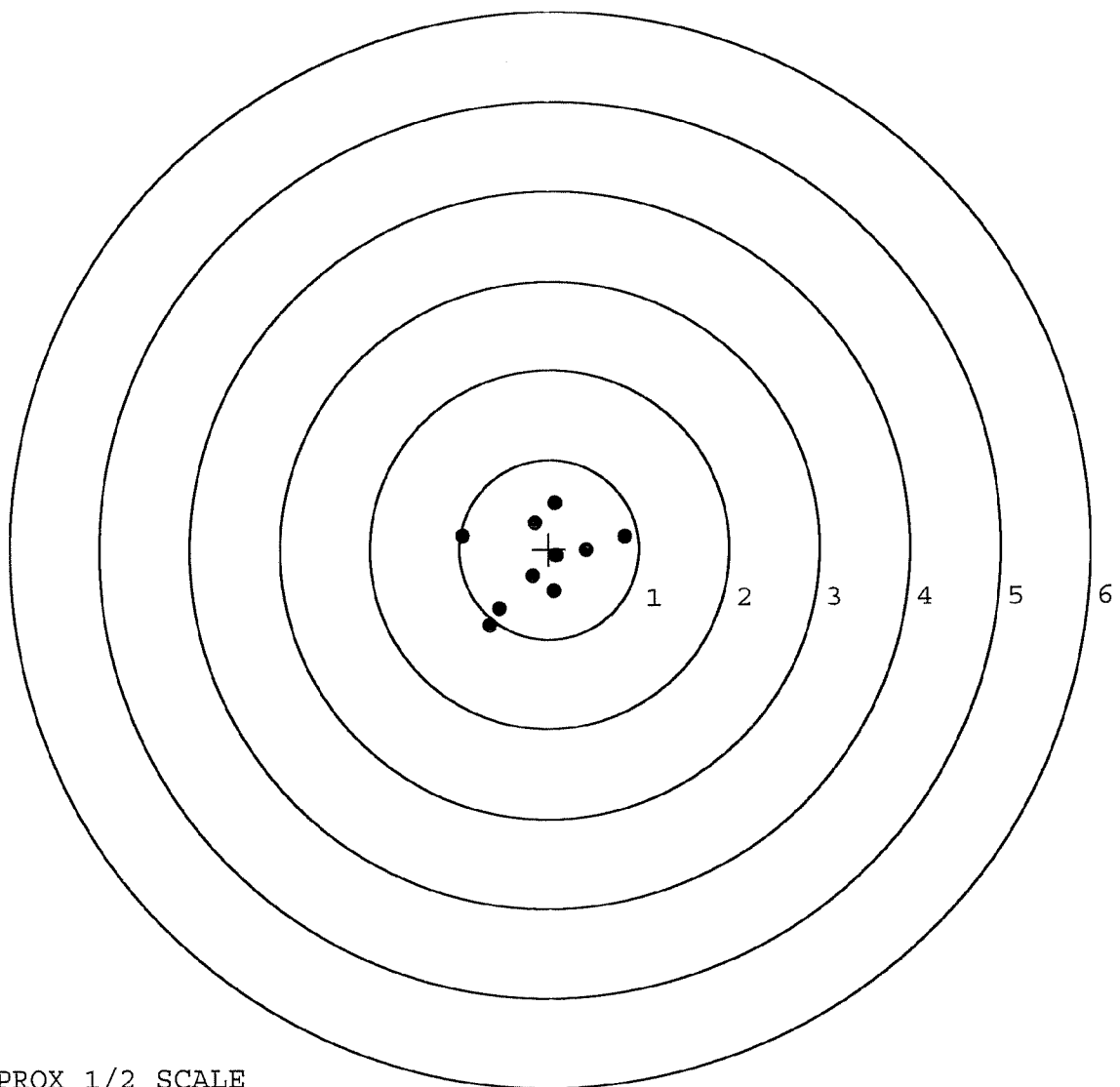
TARGET APPROX 1/2 SCALE

BARBER - M24 0003869

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

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

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



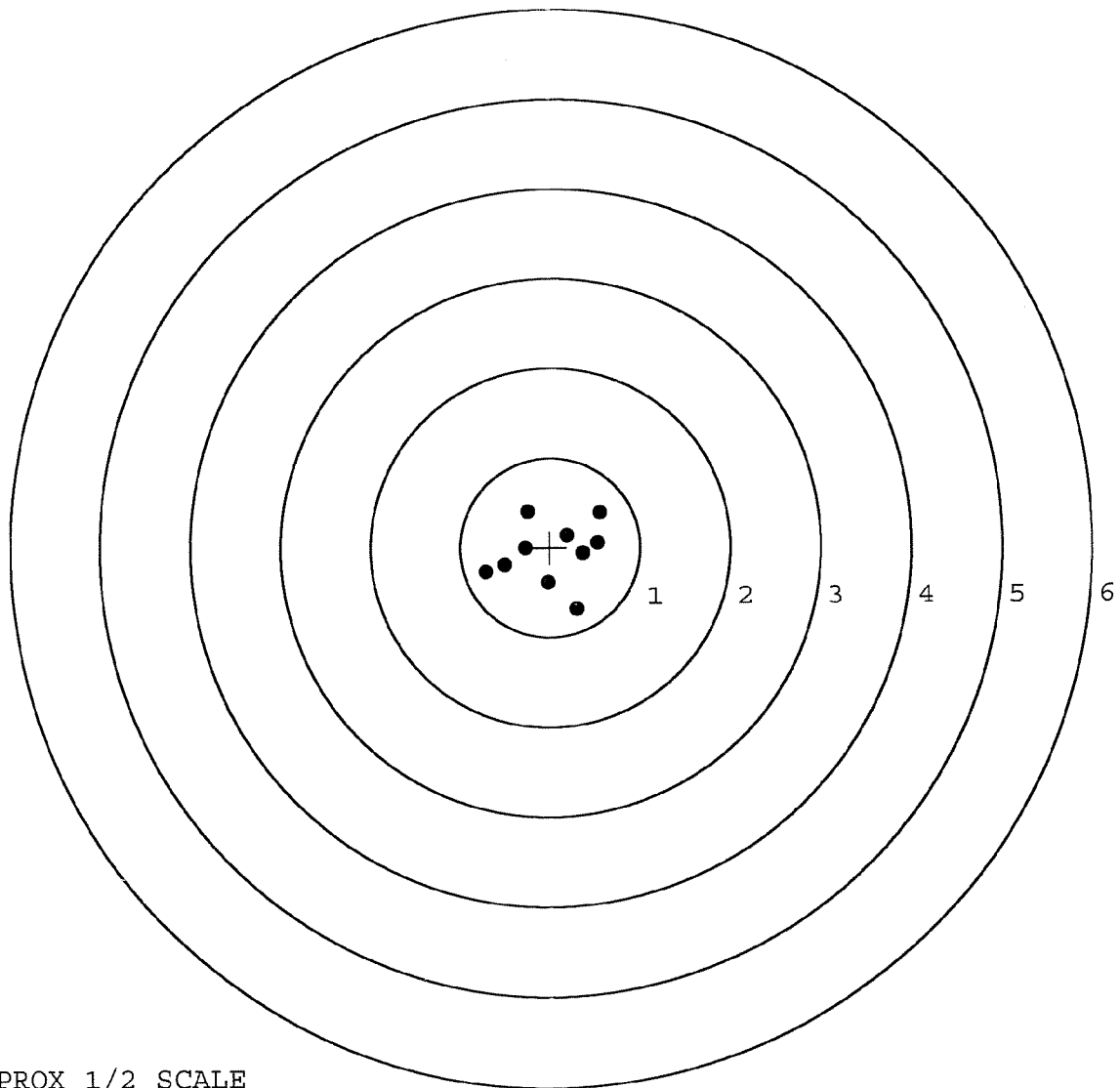
TARGET APPROX 1/2 SCALE

BARBER - M24 0003870

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

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

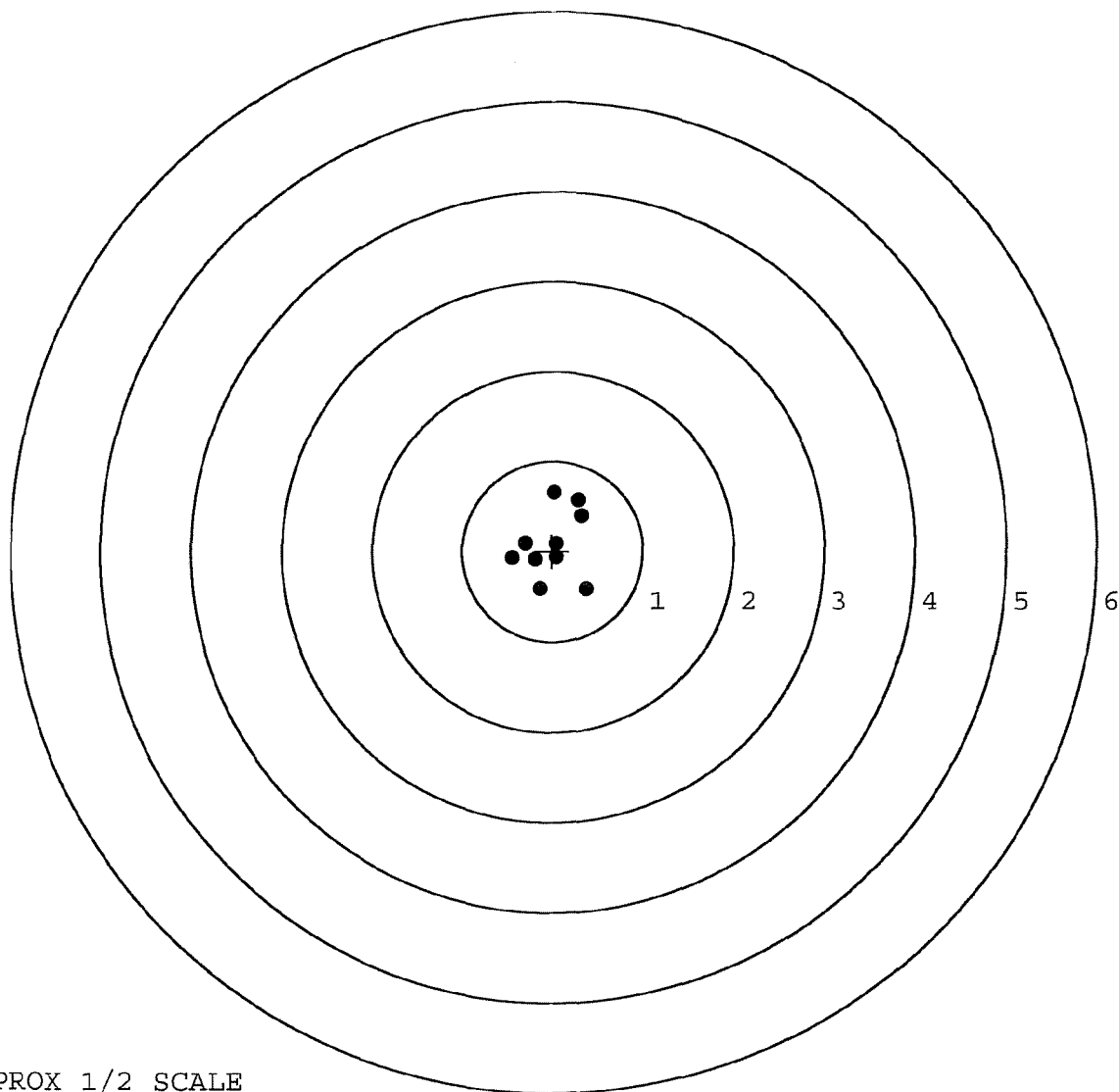
X CENTROID: 0.016
 Y CENTROID: -0.068
 POA TO CENTROID: 0.070
 HORZ SPREAD: 1.269
 VERT SPREAD: 1.098
 GROUP SPREAD: 1.433
 MIN RADIUS: 0.270
 MAX RADIUS: 0.761
 MEAN RADIUS: 0.500
 # IN 1 IN DIAMETER: 4
 # IN 2 IN DIAMETER: 10
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

BARBER - M24 0003871

SERIAL NUMBER: C6522159. 0	POINT#	X	Y
TARGET NUMBER: 5	1:	0.326	0.400
FILE DATE: 07/05/2006	2:	0.292	0.572
FILE TIME: 08:18	3:	0.026	0.650
	4:	0.375	-0.422
X CENTROID: 0.005	5:	-0.305	0.091
Y CENTROID: 0.070	6:	-0.443	-0.076
POA TO CENTROID: 0.070	7:	0.049	0.083
HORZ SPREAD: 0.818	8:	0.052	-0.072
VERT SPREAD: 1.075	9:	-0.189	-0.098
GROUP SPREAD: 1.127	10:	-0.136	-0.425
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			



TARGET APPROX 1/2 SCALE

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	RTZ
505	RE-BARREL	6-20-06	CP
420	ASSEMBLE	6-20-06	RTZ
440	PROOF	6-20-06	TRW
460	CHECK HEADSPACE	6-20-06	TRW
470	DIS-ASSEMBLE GUN	6-21-06	RTZ
480	MAGNAFLUX	6-23-06	CW
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	BLG
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	
670	FINAL INSPECTION	7-5-06	R.P.
	A) HEADSPACE	PASS FAIL 7-4-06 7-7-06	AC
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	N/A AC
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS MAX	5 lbs 5 lbs 5 lbs AC
	G) SAFETY OFF FORCE	2 LBS MIN	4 lbs 4 lbs 4 lbs AC
	I) FIRING PIN INDENT	.020	.022 .022 .022 AC
690	PACK		7-10-06 DZ

F006 REV 5/2006

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

F006 REV 5/2006

Remington® REG. U.S. PAT. & TM. OFF.

Model 700™ H24

DUPONT

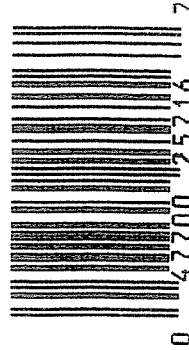
VERY IMPORTANT:
Instruction Book
enclosed to assure
safe use of this
firearm.

SERIAL NO. C6522159	ORDER NO. 5716
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MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.



UPC



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

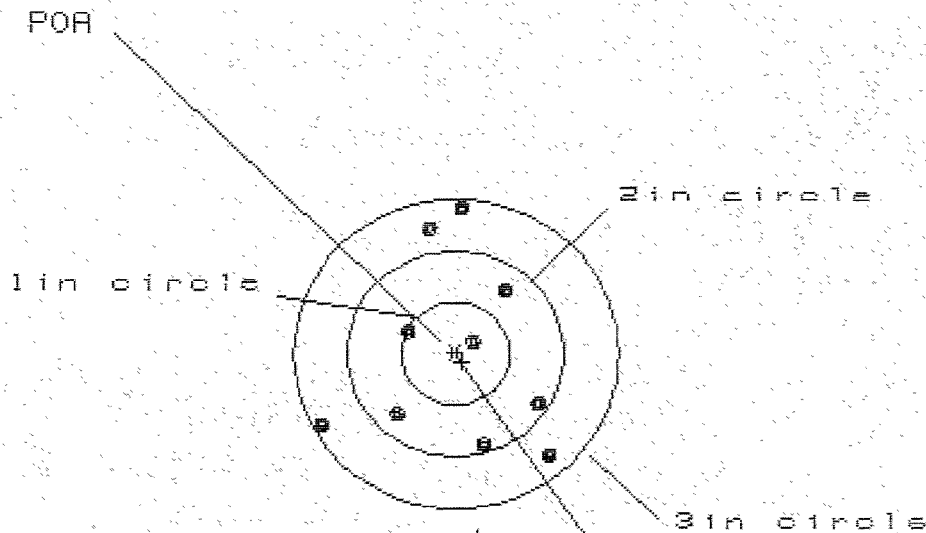
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0814
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .093
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .123592

THE AMR FOR THIS RIFLE IS: .832

6 Sep 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C8522159

CENTERFIRE PATTERNS # 1



OF SHOTS - 10

IN CIR

1 in = 2

2 in = 6

3 in = 10

HS = 2.109

VS = 2.372

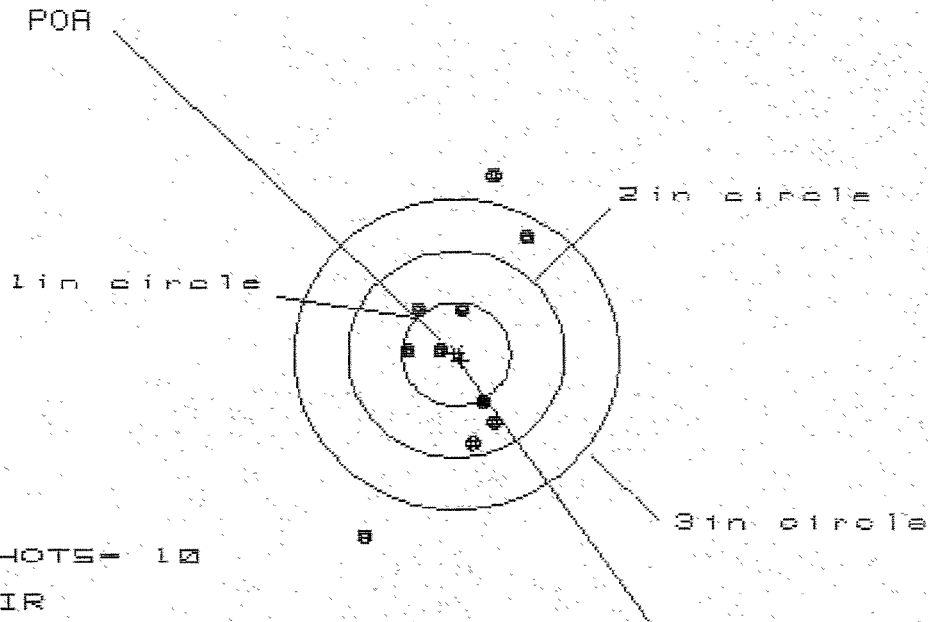
GS = 2.510

PATTERN #	1	2	3
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/C8522159

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 #

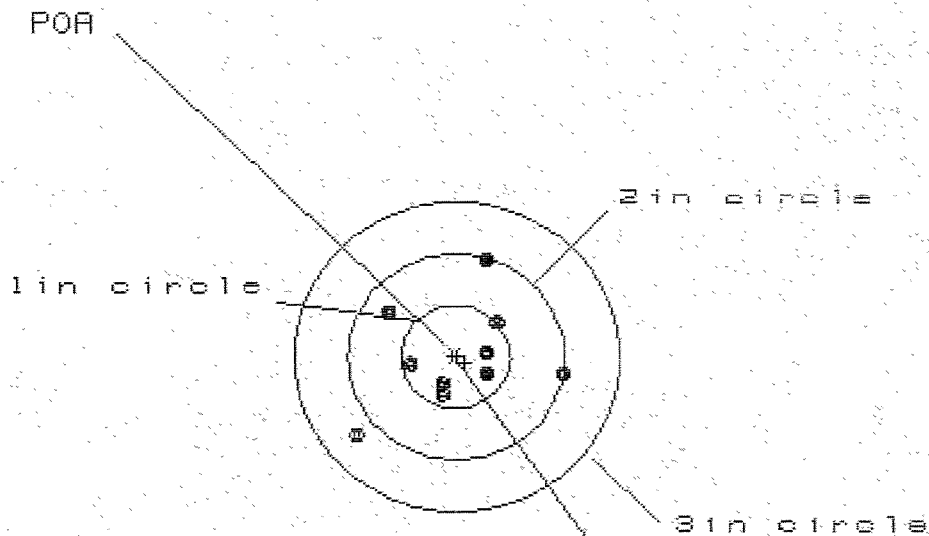
PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.615	.518	.556
MINIMUM X	-.873	-.506	-.467
MAXIMUM Y	1.786	1.586	1.124
MINIMUM Y	-1.804	-1.079	-.881
CENTROID X	-.052	.045	.006
CENTROID Y	.061	.261	.063
POA TO CENTROID in.	.080	.265	.063
MIN RADIUS	.184	.205	.241
MEAN RADIUS	.887	.769	.638
MAX RADIUS	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	

8 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8522159

CENTERFIRE PATTERNS

3



OF SHOTS- 10

IN CIR

1 in = 6

2 in = 8

3 in = 10

HS= 1.931

VS= 1.719

GS= 2.071

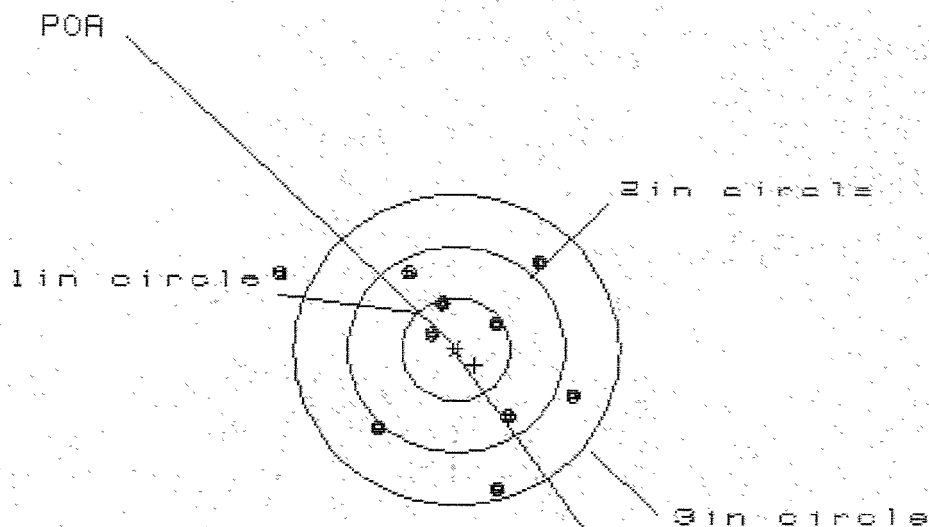
CENTROID #

PATTERN #	3
SHOTS (BEST OF)	10
MAXIMUM X	1.024
MINIMUM X	-.907
MAXIMUM Y	.942
MINIMUM Y	-.777
CENTROID X	-.079
CENTROID Y	.059
POA TO CENTROID in.	.098
MIN RADIUS	.269
MEAN RADIUS	.611
MAX RADIUS	1.194
HORIZONTAL SPREAD	1.931
VERTICAL SPREAD	1.719
EXTREME SPREAD	2.071
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\08522159

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	.086	-.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	

8 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8522159

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		

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6522159

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	16.03		
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		8/7/90	KR
	Magnaflux Bolt		8/7/90	KR
615	Rollmark Caliber		8/7/90	GL
617	Drill and Tap Sight Holes		8/10/90	LB
618	Polish Barrel PB		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	WB
	G) Safety Off Force	7 1/2	7 1/2	7 1/2			8/29/90	WB
	H) Trigger Pull Test & Retainability						8/29/90	RL
	I) Firing Pin Indent	.0225	.023	.023			8/29/90	WB
	J) Assemble Stock						8/30/90	RW
	K) Assemble Swivel Studs						9/1/90	RL
	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	RL
	A) Time						9/15/90	RL
	B) Malfunctions						9/15/90	RL
	C) Pierced Primers						9/15/90	RL
	D) Optical Clarity of Scope						9/15/90	RL
645	Inspect for Live Ammo						9/15/90	RL
655	Final Inspection							
	A) Headspace						9/18/90	RL
	B) Trigger Pull	255	256	246	248	241	9/18/90	RL
	C) Function						9/18/90	RL
660	Pack						9-17-90	DA