

C6522339

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: **RE00085592** Serial: C6522339 Model: M24 SWS Center Fire Caliber: 7.62 NATO Repairman: Status: Closed 9/28/2004 2:35:29 PM

Verify Repair

Address Information

Customer: ☒ Received From Return To: ☐ Received From

Name: C CO SPT BN 1ST SWTG A C CO SPT BN 1ST SWTG A

Address 1: AHN ARMAMENT FACILITY AHN ARMAMENT FACILITY

Address 2: 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

magletj 9/28/2004 2:52 PM CAPS NUM INS SCFL

start 2 3 4

Serial Number: **C6522339**

Model: **M24 SWS**



RE00085592

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6522339.___0
FILE DATE AND TIME: 10/20/2004 06:59

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.030
The Average Y Centroid of the Five Target Set:	-0.015
The Average Point of Impact of the Five Target Set:	0.034
The Average Mean Radius of the Five Target Set:	0.696
The Distance from POA to Centroid Target #1:	0.083
The Distance from Centroid Target #2 to Centroid Target #1:	0.211
The Distance from Centroid Target #3 to Centroid Target #1:	0.106
The Distance from Centroid Target #4 to Centroid Target #1:	0.230
The Distance from Centroid Target #5 to Centroid Target #1:	0.190

SERIAL NUMBER: C6522339. __0

TARGET NUMBER: 1

FILE DATE: 10/20/2004

FILE TIME: 06:59

POINT#	X	Y
1:	0.638	-1.106
2:	0.967	0.364
3:	0.434	0.453
4:	0.240	0.480
5:	0.042	0.421
6:	-0.146	0.328
7:	-0.545	0.465
8:	-0.456	-0.010
9:	-0.365	-0.230
10:	-0.162	-0.644

X CENTROID: 0.065

Y CENTROID: 0.052

POA TO CENTROID: 0.083

HORZ SPREAD: 1.512

VERT SPREAD: 1.586

GROUP SPREAD: 1.967

MIN RADIUS: 0.347

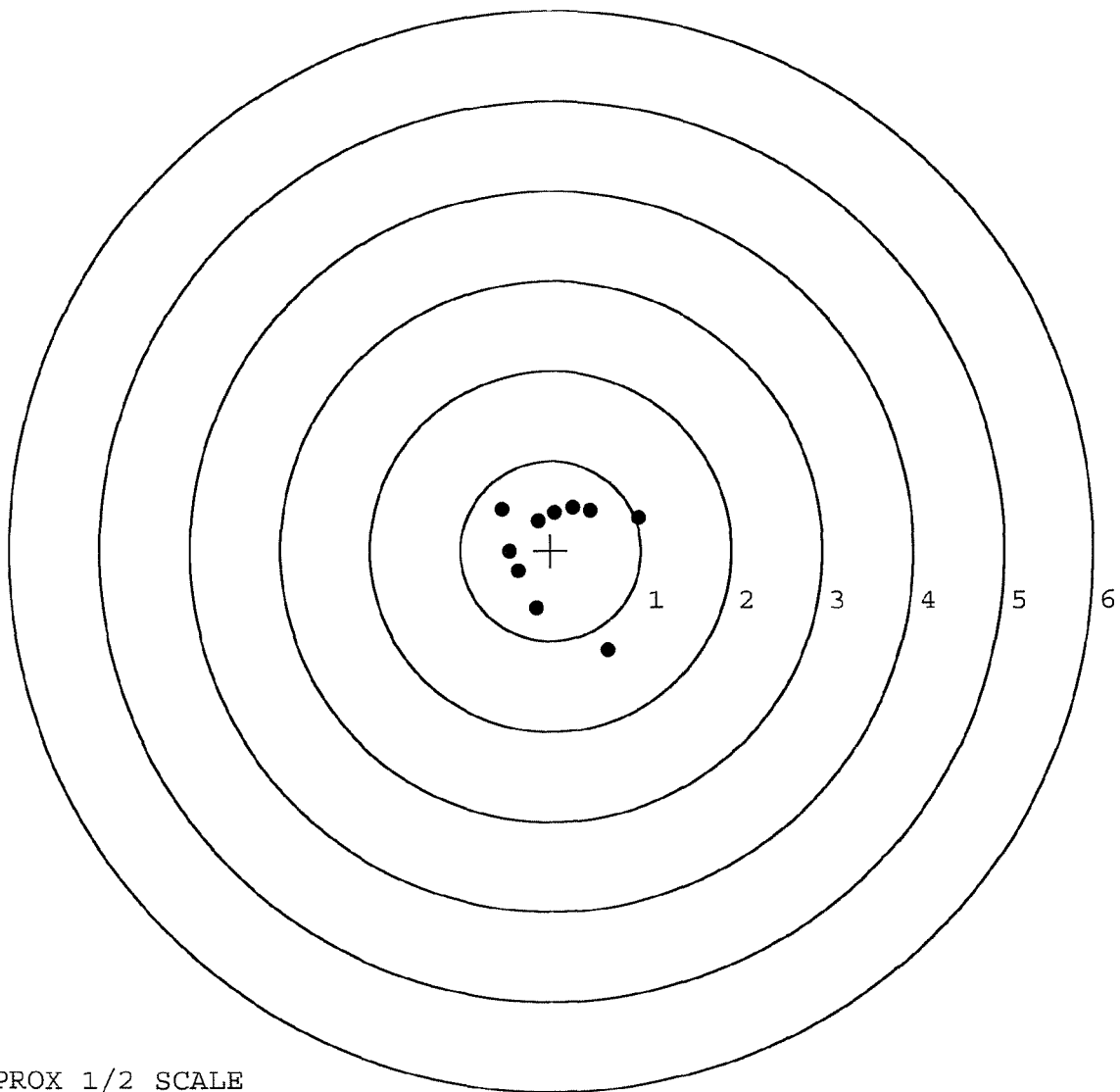
MAX RADIUS: 1.292

MEAN RADIUS: 0.648

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522339. __0

TARGET NUMBER: 2

FILE DATE: 10/20/2004

FILE TIME: 06:59

X CENTROID: -0.137

Y CENTROID: 0.116

POA TO CENTROID: 0.179

HORZ SPREAD: 1.673

VERT SPREAD: 2.058

GROUP SPREAD: 2.132

MIN RADIUS: 0.353

MAX RADIUS: 1.158

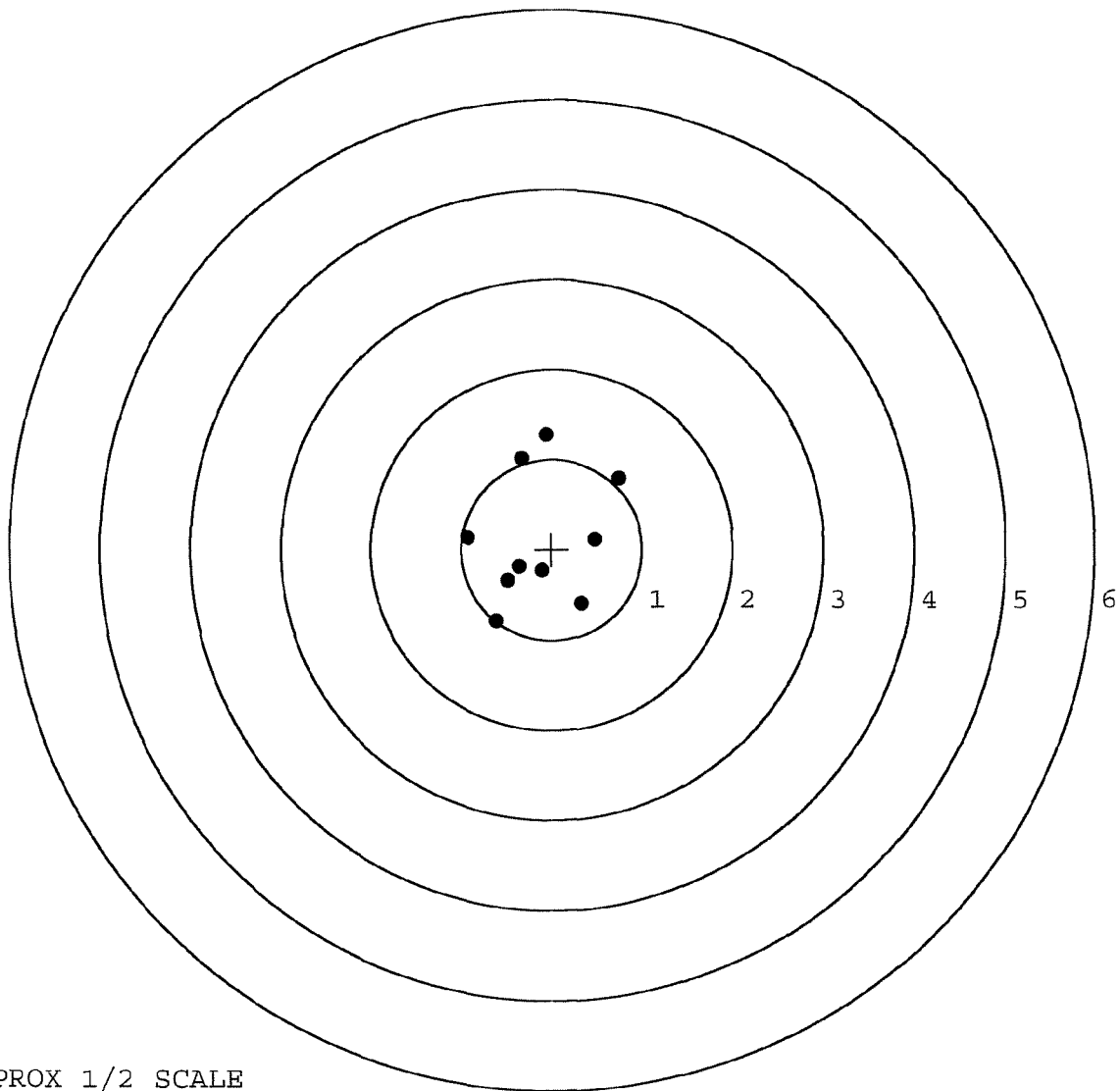
MEAN RADIUS: 0.779

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.330	-0.600
2:	0.481	0.116
3:	0.742	0.788
4:	-0.065	1.271
5:	-0.337	1.007
6:	-0.931	0.136
7:	-0.112	-0.237
8:	-0.365	-0.192
9:	-0.491	-0.346
10:	-0.620	-0.787



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522339. __0

TARGET NUMBER: 3

FILE DATE: 10/20/2004

FILE TIME: 06:59

X CENTROID: -0.032

Y CENTROID: 0.007

POA TO CENTROID: 0.032

HORZ SPREAD: 2.414

VERT SPREAD: 1.726

GROUP SPREAD: 2.486

MIN RADIUS: 0.282

MAX RADIUS: 1.394

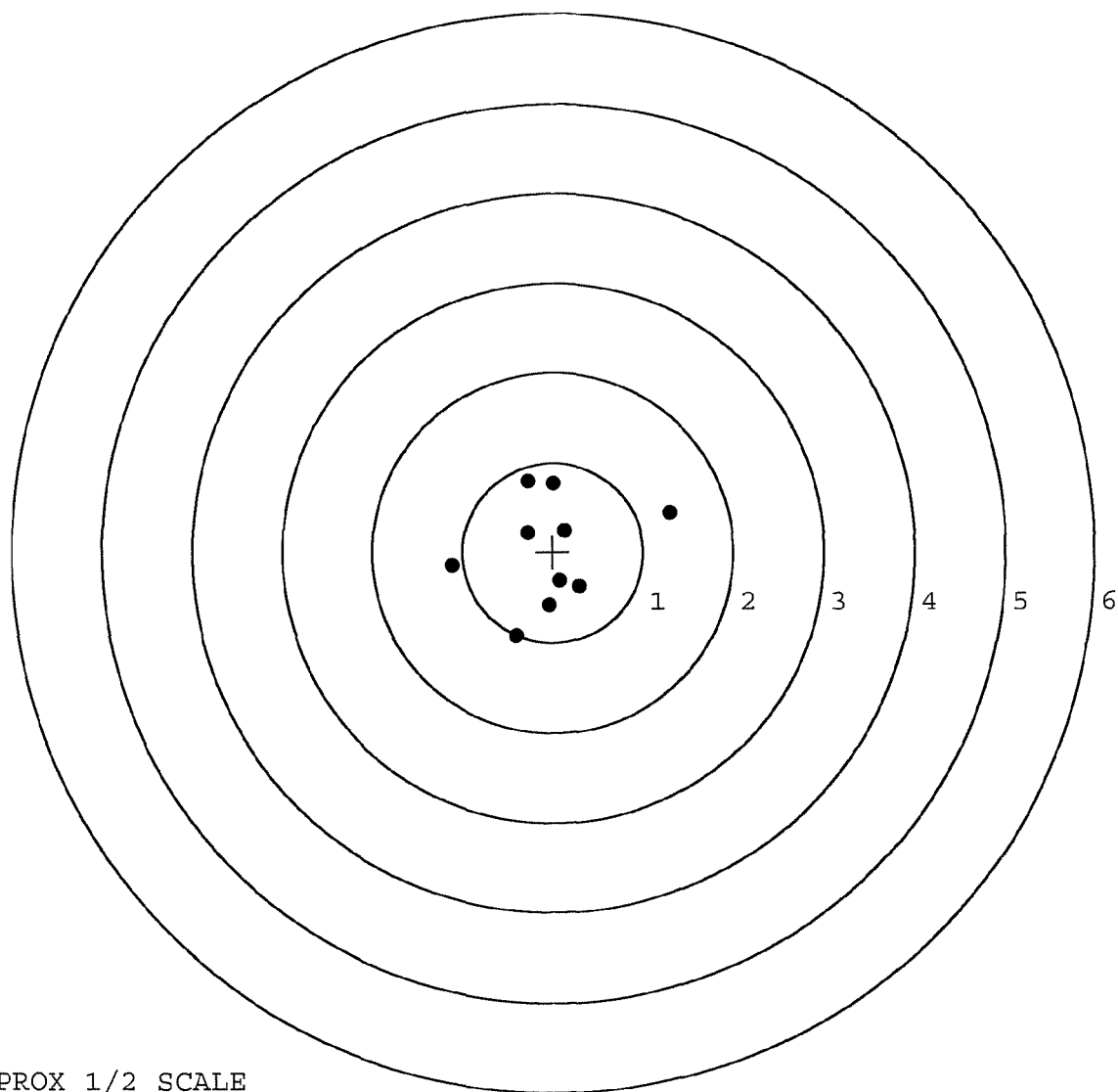
MEAN RADIUS: 0.716

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	1.295	0.434
2:	-1.119	-0.159
3:	-0.407	-0.928
4:	-0.276	0.798
5:	0.007	0.771
6:	-0.277	0.217
7:	0.132	0.237
8:	0.076	-0.323
9:	0.299	-0.380
10:	-0.045	-0.599



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522339. __0

TARGET NUMBER: 4

FILE DATE: 10/20/2004

FILE TIME: 06:59

X CENTROID: -0.098

Y CENTROID: -0.110

POA TO CENTROID: 0.148

HORZ SPREAD: 1.636

VERT SPREAD: 1.686

GROUP SPREAD: 1.891

MIN RADIUS: 0.238

MAX RADIUS: 1.104

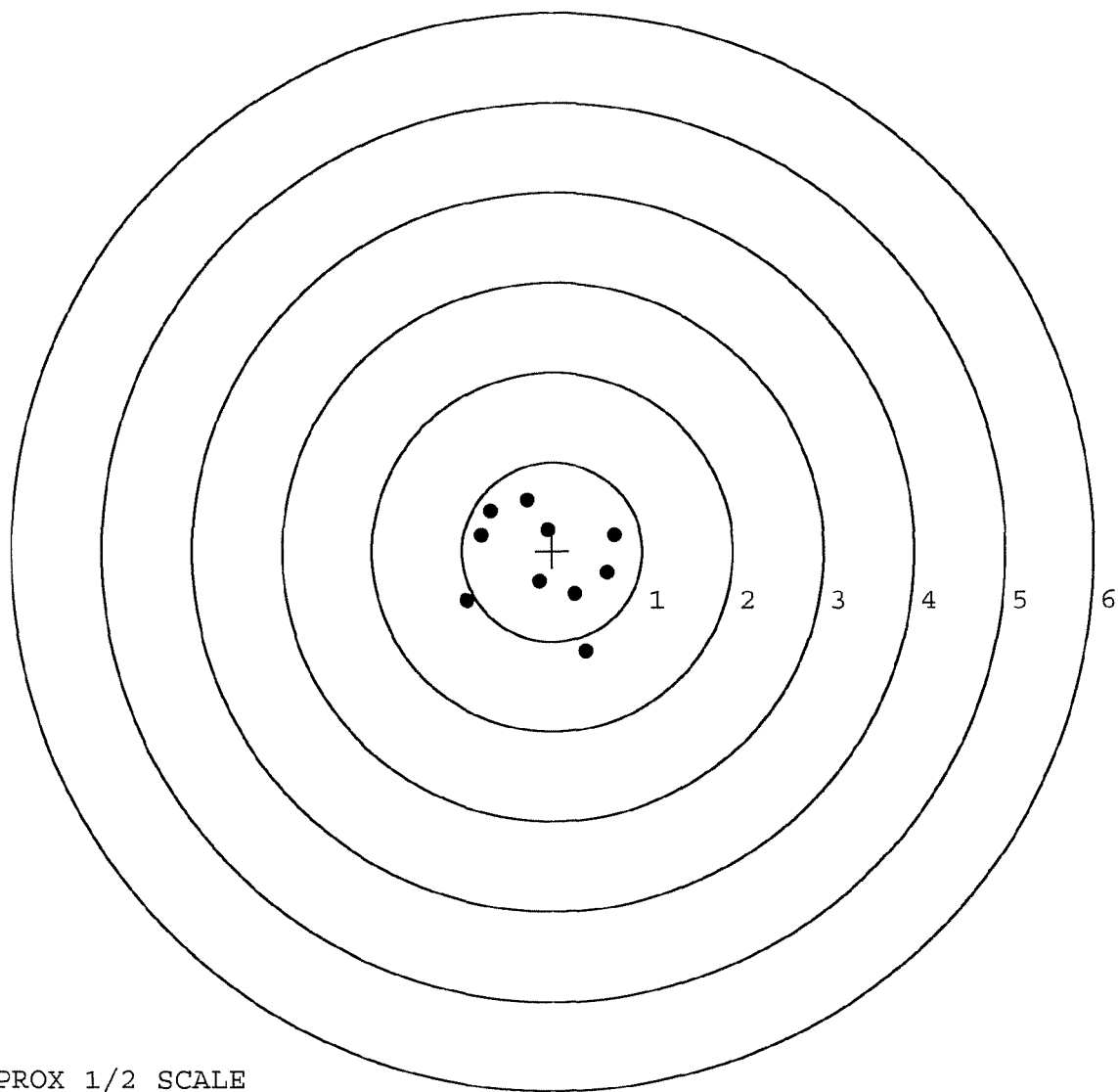
MEAN RADIUS: 0.700

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.374	-1.108
2:	0.687	0.185
3:	0.611	-0.244
4:	0.252	-0.484
5:	-0.141	-0.344
6:	-0.949	-0.558
7:	-0.786	0.180
8:	-0.691	0.455
9:	-0.053	0.237
10:	-0.284	0.578



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522339.___0

TARGET NUMBER: 5

FILE DATE: 10/20/2004

FILE TIME: 06:59

X CENTROID: 0.050

Y CENTROID: -0.137

POA TO CENTROID: 0.146

HORZ SPREAD: 2.290

VERT SPREAD: 1.742

GROUP SPREAD: 2.416

MIN RADIUS: 0.078

MAX RADIUS: 1.313

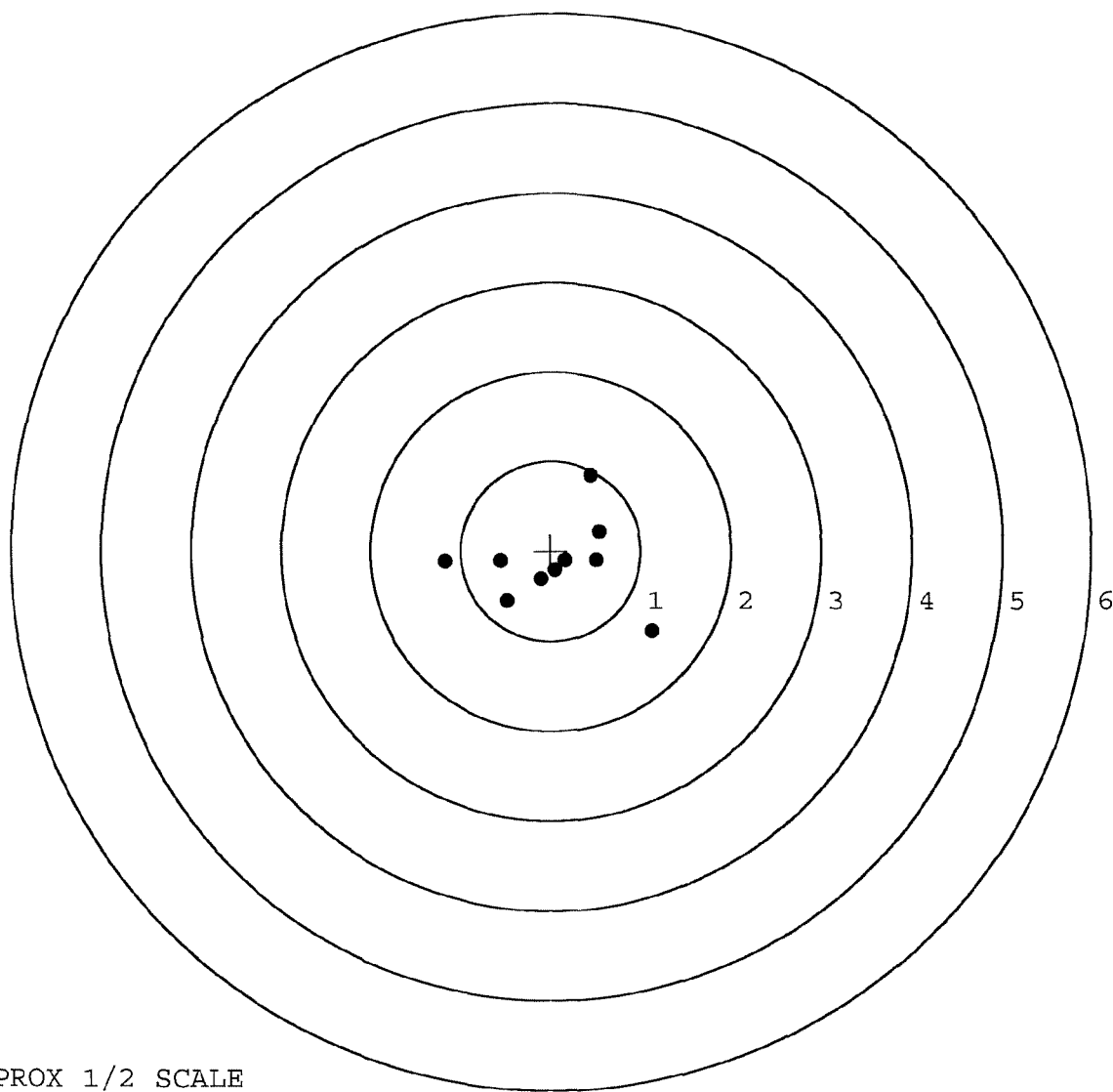
MEAN RADIUS: 0.638

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	1.121	-0.897
2:	0.443	0.845
3:	0.539	0.219
4:	0.512	-0.100
5:	0.162	-0.109
6:	0.047	-0.215
7:	-0.112	-0.318
8:	-0.488	-0.559
9:	-0.554	-0.109
10:	-1.169	-0.126



TARGET APPROX 1/2 SCALE

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

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DA FORM 2404, APR 79 Replaces edition of 1 Jan 64, which will be used USAPPC V1.10

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

R & E NUMBER	85592		
SERIAL NUMBER	C6522339		
LOG-IN DATE	9-28-04		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	9-28-04	RTL
560 A	RE-BARREL	10-6-04	AC
B	DRILL AND TAP	10-8-04	TRL
575	ASSEMBLE	10-6-04	RTL
600	PROOF	10-6-04	RTL
605	CHECK HEADSPACE	10-6-04	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	10-17-04	RTL
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	10-20-04	TRL
655	FINAL INSPECT	10-25-04	RTL
660	PACK	11-5-04	DA
		SHIP DATE	
QAR INSPECTION DATE			




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

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

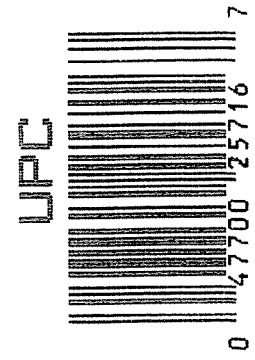
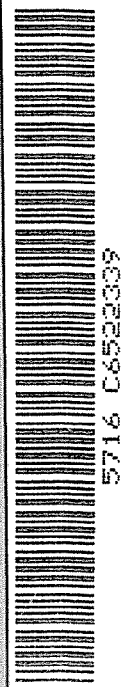
MODEL 700™ H24

SERIAL NO.
C6522309

ORDER NO.
5716

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

01



CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6522339
13 Aug 1990

CENTROIDAL DISTANCES

Ø TO	1	.848644
1 TO	2	1.15
1 TO	3	1.31571
1 TO	4	.87537
1 TO	5	.72654

23
4 <----POA
1

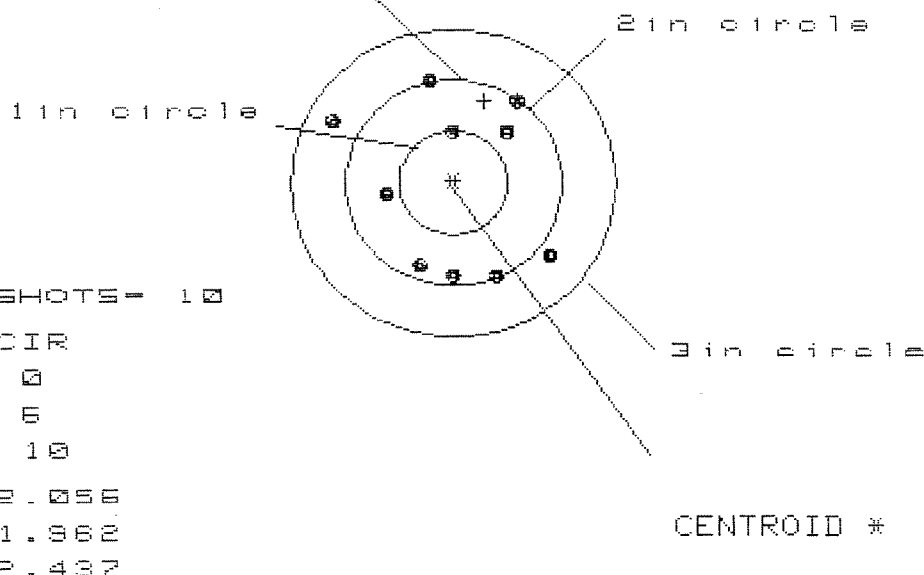
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.1352
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.008
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .135436
THE AMR FOR THIS RIFLE IS: .8726

13 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8522939

CENTERFIRE PATTERNS # 1

POA



OF SHOTS= 10

IN CIR

1in = 0

2in = 6

3in = 10

HS= 2.056

VS= 1.962

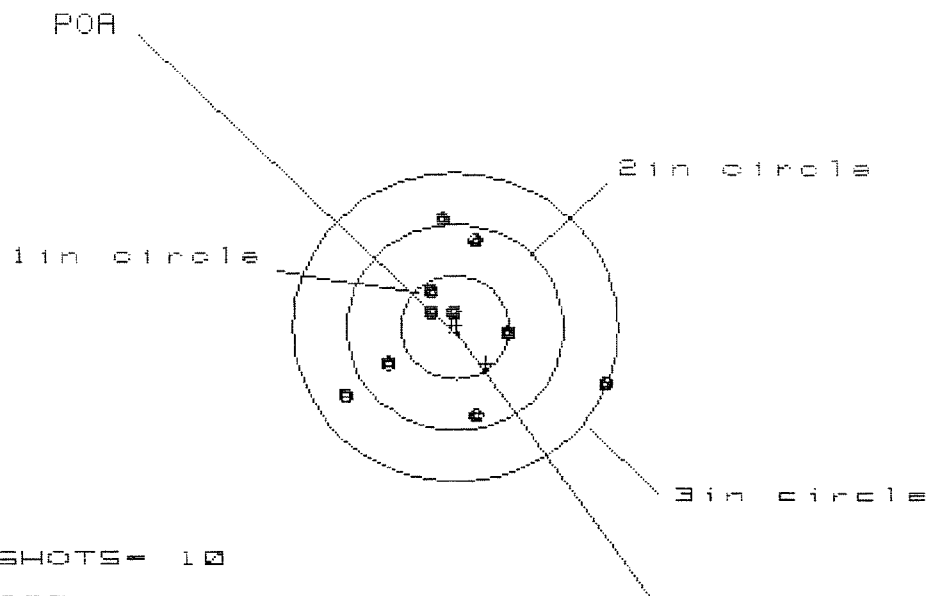
GS= 2.437

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.896	.767	.523
MINIMUM X	:	-1.160	-.744	-.648
MAXIMUM Y	:	1.013	1.084	1.010
MINIMUM Y	:	-.949	-.878	-.952
CENTROID X	:	-.286	-.157	-.253
CENTROID Y	:	-.799	-.870	-.796
POA TO CENTROID in.	:	.848	.884	.835
MIN RADIUS	:	.536	.632	.537
MEAN RADIUS	:	.915	.864	.838
MAX RADIUS	:	1.326	1.150	1.050
HORIZONTAL SPREAD	:	2.056	1.511	1.171
VERTICAL SPREAD	:	1.962	1.962	1.962
EXTREME SPREAD	:	2.437	2.072	2.072
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

13 Aug 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C8522339

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 4

2in = 7

3in = 10

HS= 2.340

VS= 1.929

GS= 2.342

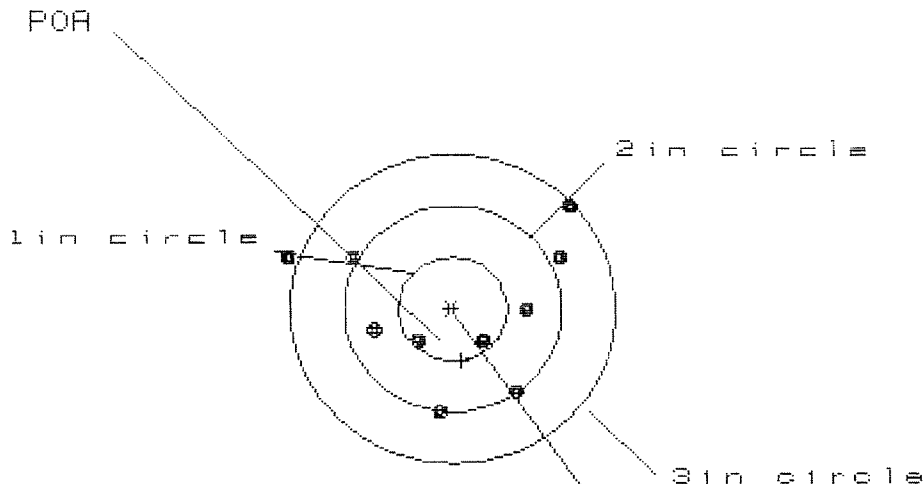
CENTROID *

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.348	.600	.494
MINIMUM X	:	-.992	-.842	-.579
MAXIMUM Y	:	1.070	1.010	.923
MINIMUM Y	:	-.859	-.919	-1.006
CENTROID X	:	-.283	-.433	-.327
CENTROID Y	:	.351	.411	.498
POA TO CENTROID in.	:	.451	.597	.596
MIN RADIUS	:	.123	.104	.044
MEAN RADIUS	:	.742	.639	.564
MAX RADIUS	:	1.452	1.094	1.028
HORIZONTAL SPREAD	:	2.340	1.442	1.073
VERTICAL SPREAD	:	1.929	1.929	1.929
EXTREME SPREAD	:	2.342	1.943	1.943
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

13 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6522333

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 2

2in = 5

3in = 9

HS= 2.581

VS= 2.037

GS= 2.621

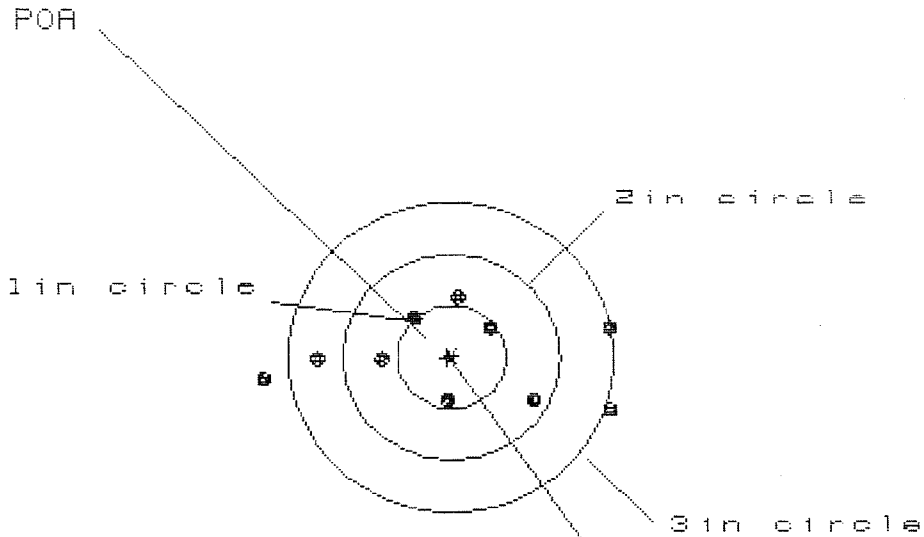
CENTROID #

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.093	.927	.896
MINIMUM X	:	-1.488	-1.046	-.930
MAXIMUM Y	:	1.007	1.068	.731
MINIMUM Y	:	-1.030	-.969	-.836
CENTROID X	:	-.077	.089	-.027
CENTROID Y	:	.500	.439	.305
FOR TO CENTROID in.	:	.506	.448	.307
MIN RADIUS	:	.370	.229	.214
MEAN RADIUS	:	.938	.840	.743
MAX RADIUS	:	1.586	1.414	1.183
HORIZONTAL SPREAD	:	2.581	1.973	1.826
VERTICAL SPREAD	:	2.037	2.037	1.567
EXTREME SPREAD	:	2.621	2.351	1.952
NUMBER IN ONE INCH CIRCLE =			2	
NUMBER IN TWO INCH CIRCLE =			5	
NUMBER IN THREE INCH CIRCLE =			9	

13 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8522339

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in = 2

2in = 6

3in = 8

HS= 3.291

VS= 1.110

GS= 3.305

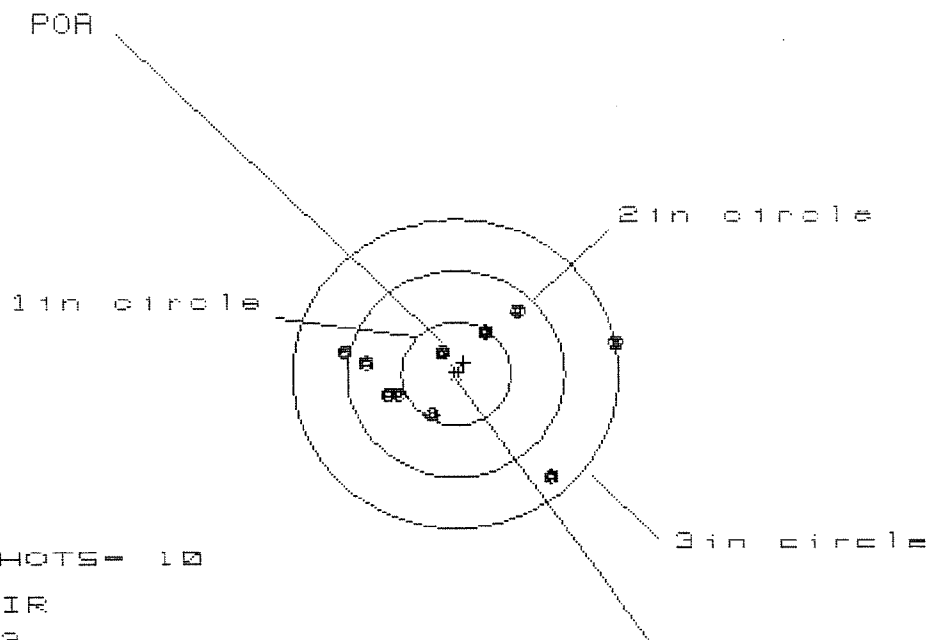
CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.507	1.309	1.403
MINIMUM X	:	-1.784	-1.418	-1.254
MAXIMUM Y	:	.616	.594	.530
MINIMUM Y	:	-.494	-.516	-.535
CENTROID X	:	.041	.239	.075
CENTROID Y	:	.013	.035	.099
POA TO CENTROID in.	:	.043	.242	.125
MIN RADIUS	:	.454	.317	.403
MEAN RADIUS	:	.962	.863	.773
MAX RADIUS	:	1.794	1.419	1.421
HORIZONTAL SPREAD	:	3.291	2.727	2.657
VERTICAL SPREAD	:	1.110	1.110	1.065
EXTREME SPREAD	:	3.305	2.768	2.678
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		8	

13 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8522339

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 2

2in = 7

3in = 9

HS= 2.507

VS= 1.601

GS= 2.510

CENTROID #

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.498	1.054	.910
MINIMUM X	:	-1.009	-.843	-.711
MAXIMUM Y	:	.594	.631	.509
MINIMUM Y	:	-1.007	-.970	-.526
CENTROID X	:	-.071	-.237	-.369
CENTROID Y	:	-.105	-.142	-.021
POA TO CENTROID in.	:	.127	.277	.370
MIN RADIUS	:	.249	.243	.198
MEAN RADIUS	:	.806	.686	.564
MAX RADIUS	:	1.534	1.433	1.043
HORIZONTAL SPREAD	:	2.507	1.897	1.621
VERTICAL SPREAD	:	1.601	1.601	1.035
EXTREME SPREAD	:	2.510	2.257	1.664
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

SWS TRIGGER PULL TEST

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

SERIAL NO C6522339

DATE 9-7-90

TESTER JE

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.27	2.23	2.19	2.35	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.29	2.17	2.14	2.19	
PULL #3	2.36	2.20	2.17	2.24	
PULL #4	2.42	2.13	2.18	2.44	
PULL #5	2.28	2.14	2.20	2.31	
TOTAL	11.62	10.87	10.88	11.53	
AVG.	2.324	2.174	2.176	2.306	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.30	3.30		
PULL #2	3.19	3.21		
PULL #3	3.26	3.14		
PULL #4	3.26	3.38		
PULL #5	3.32	3.47		
TOTAL	16.33	16.50		
AVG.	3.266	3.3		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.45	4.47		4.47
PULL #2	4.37	4.50		4.30
PULL #3	4.48	4.36		4.50
PULL #4	4.35	4.30		4.37
PULL #5	4.40	4.47		4.30
TOTAL	22.05	22.10		21.94
AVG.	4.41	4.42		4.388

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6522339

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	6 29	90	RW
600	Proof	6 29	90	RW
607	Check Headspace	6 29	90	RW
610	Dis-assemble Gun	6 29	90	RW
612	Magnaflux Barrel Action		7-12-90	KR
	Magnaflux Bolt		7-12-90	KR
615	Rollmark Caliber		7-12-90	G.S.
617	Drill and Tap Sight Holes		7/13/90	LB
618	Polish Barrel RB		7/16/90	WB
620	Apply Coatings (Barrel Action)		7-23-90	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		7/25/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		7/25/90	RW
	C) Inspect Ejector Hole for Chamfer		7/25/90	RW
	D) Oil Firing Pin Ass'y		7/25/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		9-7-90	JA

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4	4	4			8/2/90	JH
	G) Safety Off Force	3	3	3			8/2/90	JH
	H) Trigger Pull Test & Retainability						9-2-90	JH
	I) Firing Pin Indent	.023	.023	.0225			8/2/90	JH
	J) Assemble Stock						8/9/90	RW
	K) Assemble Swivel Studs						9/9/90	JH
	L) Attach Front and Rear Sight Assemblies						8/9/90	RW
	M) Iron Sight Alignment						8/9/90	RW
	N) Detach Front & Rear Sights & place in numbered container						8/9/90	RW
	O) Attach Scope to Rifle						8/9/90	RW
	P) Detach & Attach Scope 20 Times						8/9/90	RW
640	Gallery Target & Test						8-13-90	DH
	A) Time						8-13-90	DH
	B) Malfunctions						8-13-90	DH
	C) Pierced Primers						8-13-90	DH
	D) Optical Clarity of Scope						8-13-90	DH
645	Inspect for Live Ammo						8-13-90	DH
655	Final Inspection							
	A) Headspace						9/9/90	JH
	B) Trigger Pull	2.35	2.19	2.24	2.44	2.31	9-7-90	JH
	C) Function						9/9/90	JH
660	Pack						9-18-90	JH