

C6522181

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 CSP Tools Reports Table Maintenance System Maintenance Help

Repair Inquiry

Repair Number: **RE00102774** Serial: **C6522181** Model: **M24 SWS** Center Fire Caliber: **7.62 NATO** Repairman: Status: **Closed 10/26/2005 7:48:55 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** **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
A008	Sling Strap	1
A010	Hard Case	1
A018	Scope Rings	2
A017	Scope Base	1
A026	Scope	1
A045	Bi Pod	1
C000	TORQUE WRENCH	1
C001	SPOTTING SCOPE	1

Handwritten: PWS SCOPE

Repair Search Refresh Close

negletj 10/26/2005 9:34 AM CAPS NUM INS SCPL

start 2 2 3 Arms S.

Serial Number: **C6522181**

Model: **M24 SWS**



RE00102774

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6522181.___0
FILE DATE AND TIME: 11/19/2005 17:11

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.082
The Average Y Centroid of the Five Target Set:	0.075
The Average Point of Impact of the Five Target Set:	0.111
The Average Mean Radius of the Five Target Set:	0.600
The Distance from POA to Centroid Target #1:	0.108
The Distance from Centroid Target #2 to Centroid Target #1:	0.297
The Distance from Centroid Target #3 to Centroid Target #1:	0.223
The Distance from Centroid Target #4 to Centroid Target #1:	0.113
The Distance from Centroid Target #5 to Centroid Target #1:	0.141

SERIAL NUMBER: C6522181. __0

TARGET NUMBER: 1

FILE DATE: 11/19/2005

FILE TIME: 17:11

POINT#	X	Y
1:	-0.118	0.126
2:	-0.048	-0.101
3:	0.207	0.222
4:	0.226	0.222
5:	0.305	0.447
6:	0.132	0.624
7:	0.838	-0.054
8:	0.300	-0.673
9:	-0.721	-0.614
10:	-0.807	0.834

X CENTROID: 0.031

Y CENTROID: 0.103

POA TO CENTROID: 0.108

HORZ SPREAD: 1.645

VERT SPREAD: 1.507

GROUP SPREAD: 1.870

MIN RADIUS: 0.151

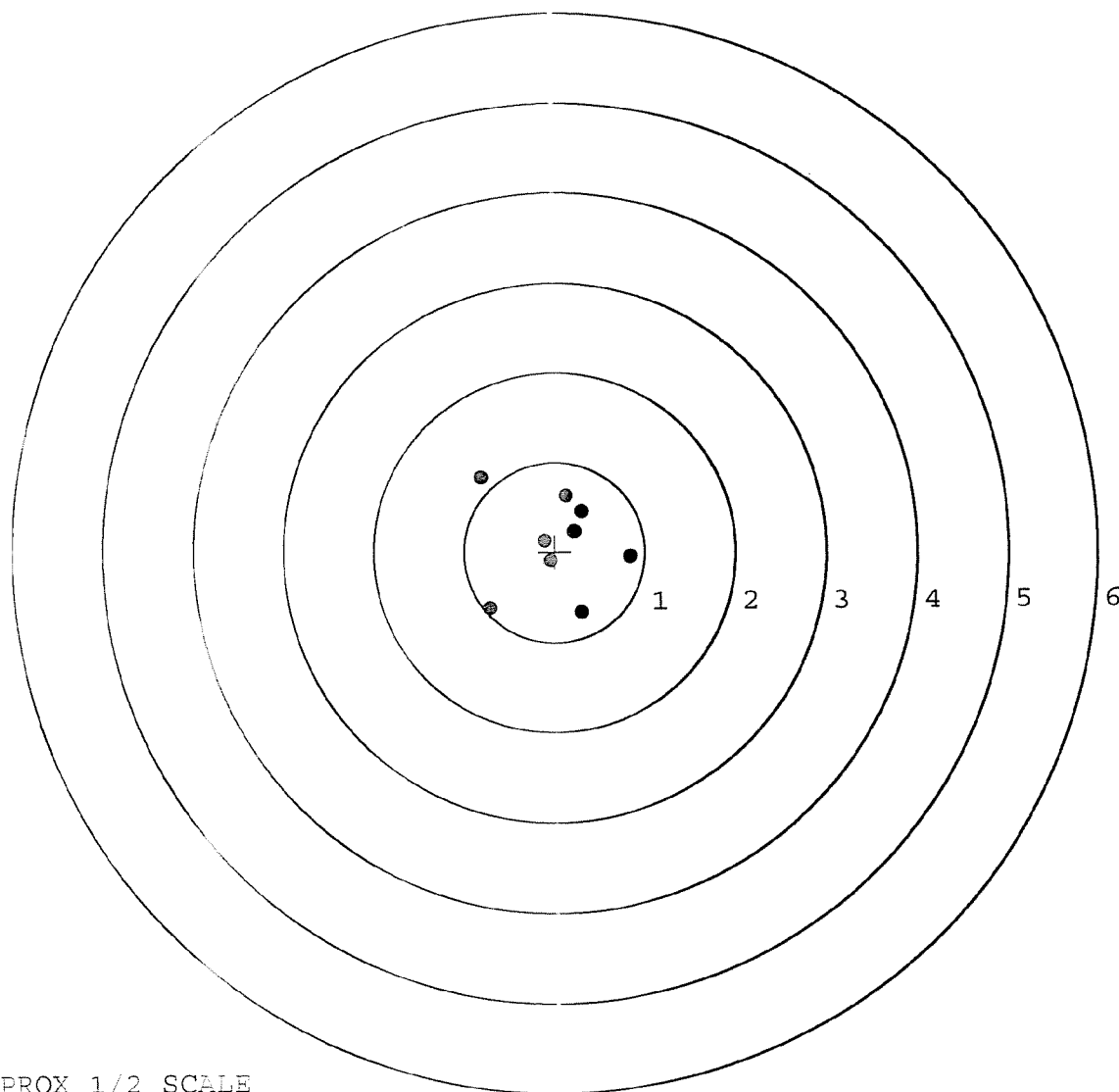
MAX RADIUS: 1.112

MEAN RADIUS: 0.557

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522181. 0

TARGET NUMBER: 2

FILE DATE: 11/19/2005

FILE TIME: 17:11

POINT#	X	Y
1:	0.081	-0.255
2:	-0.030	-0.057
3:	-0.350	-0.208
4:	-0.575	-0.110
5:	0.041	0.323
6:	0.329	0.254
7:	0.462	0.688
8:	-0.039	-0.809
9:	-1.275	-1.311
10:	0.036	0.038

X CENTROID: -0.132

Y CENTROID: -0.145

POA TO CENTROID: 0.196

HORZ SPREAD: 1.737

VERT SPREAD: 1.999

GROUP SPREAD: 2.648

MIN RADIUS: 0.135

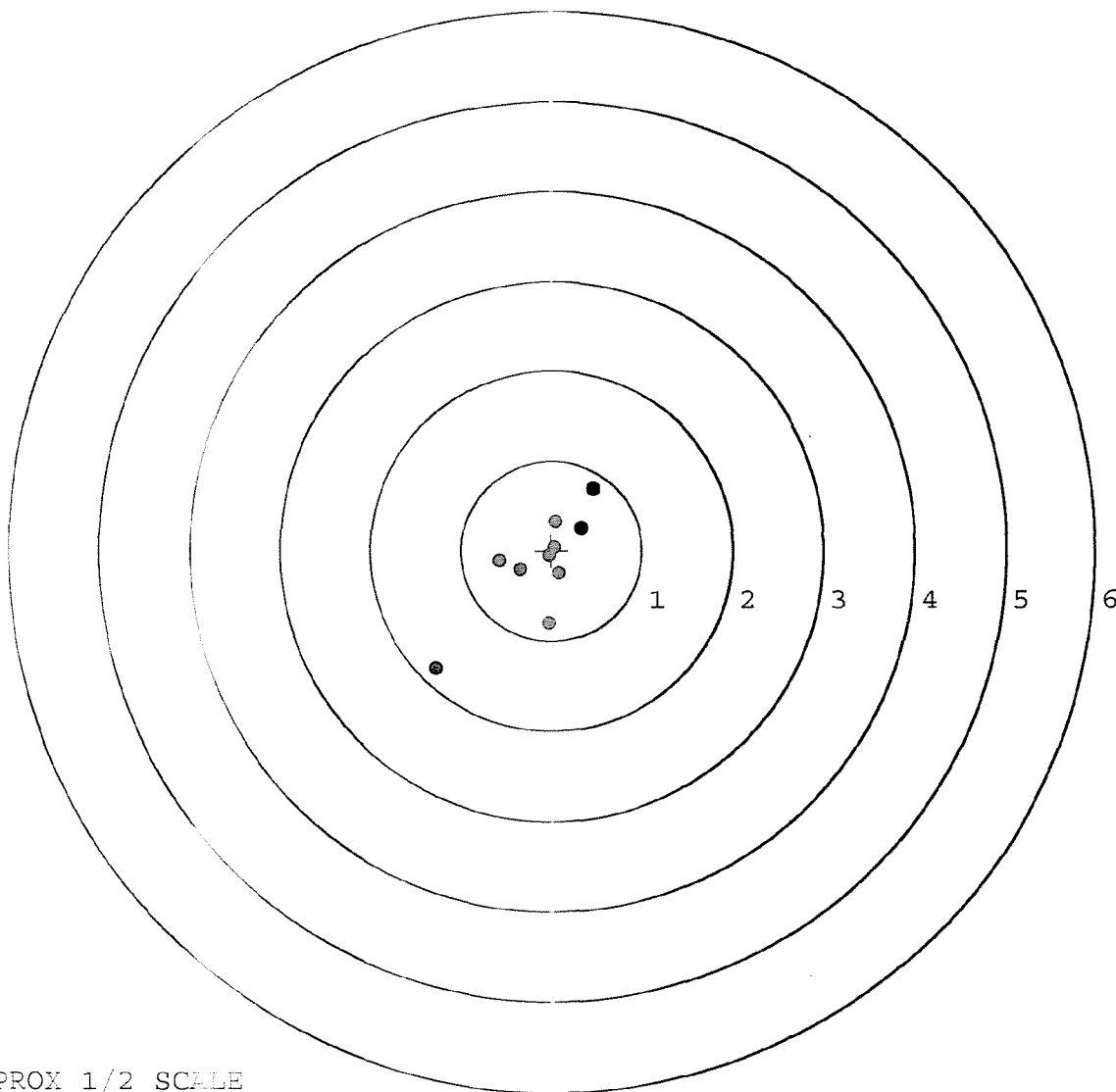
MAX RADIUS: 1.633

MEAN RADIUS: 0.573

IN 1 IN DIAMETER: 6

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 9

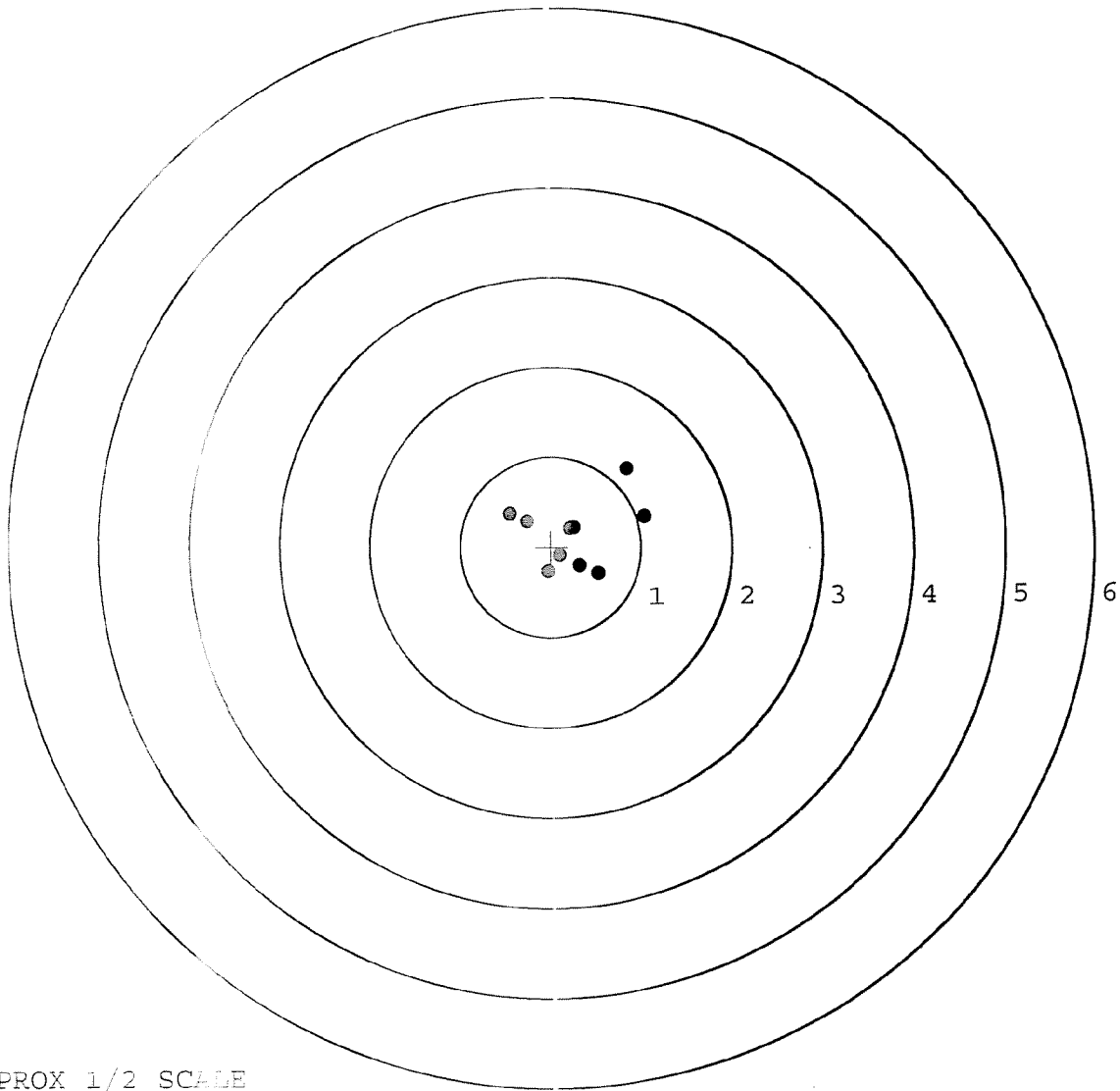


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522181. 0
 TARGET NUMBER: 3
 FILE DATE: 11/19/2005
 FILE TIME: 17:11

POINT#	X	Y
1:	0.212	0.206
2:	1.039	0.333
3:	0.841	0.865
4:	0.523	-0.300
5:	0.315	-0.211
6:	-0.034	-0.279
7:	0.095	-0.097
8:	0.248	0.215
9:	-0.264	0.283
10:	-0.460	0.369

X CENTROID: 0.252
 Y CENTROID: 0.138
 POA TO CENTROID: 0.287
 HORZ SPREAD: 1.499
 VERT SPREAD: 1.165
 GROUP SPREAD: 1.440
 MIN RADIUS: 0.077
 MAX RADIUS: 0.936
 MEAN RADIUS: 0.484
 # IN 1 IN DIAMETER: 4
 # IN 2 IN DIAMETER: 10
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522181. 0

TARGET NUMBER: 4

FILE DATE: 11/19/2005

FILE TIME: 17:11

POINT#	X	Y
1:	0.494	0.346
2:	0.417	0.906
3:	1.166	-0.015
4:	0.159	-1.060
5:	0.109	-0.314
6:	0.197	-0.021
7:	-0.014	0.276
8:	-0.412	0.187
9:	-1.175	0.068
10:	0.436	0.286

X CENTROID: 0.138

Y CENTROID: 0.066

POA TO CENTROID: 0.153

HORZ SPREAD: 2.341

VERT SPREAD: 1.966

GROUP SPREAD: 2.342

MIN RADIUS: 0.105

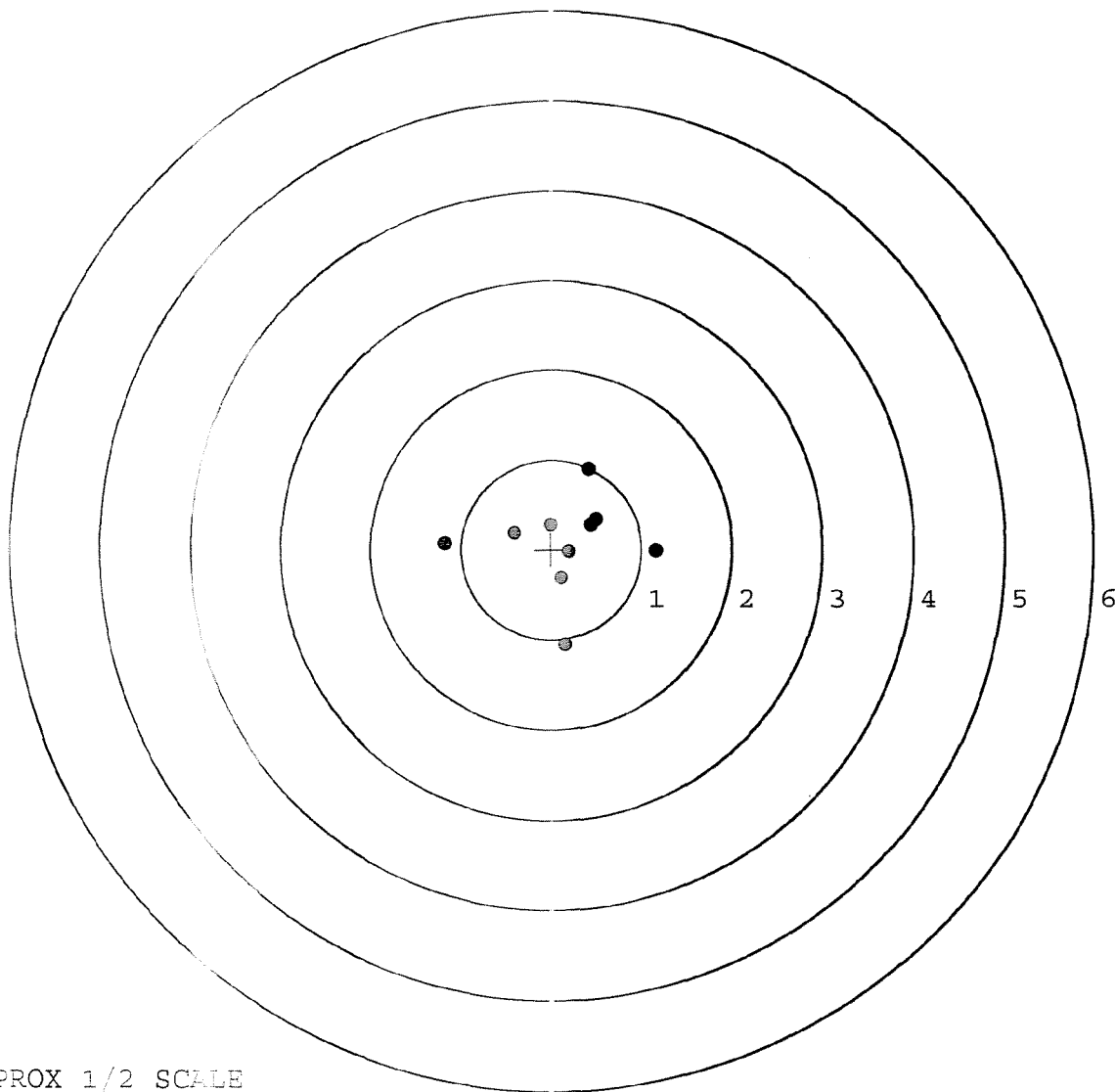
MAX RADIUS: 1.313

MEAN RADIUS: 0.649

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522181. 0

TARGET NUMBER: 5

FILE DATE: 11/19/2005

FILE TIME: 17:11

X CENTROID: 0.123

Y CENTROID: 0.210

POA TO CENTROID: 0.244

HORZ SPREAD: 1.468

VERT SPREAD: 1.889

GROUP SPREAD: 1.084

MIN RADIUS: 0.225

MAX RADIUS: 1.102

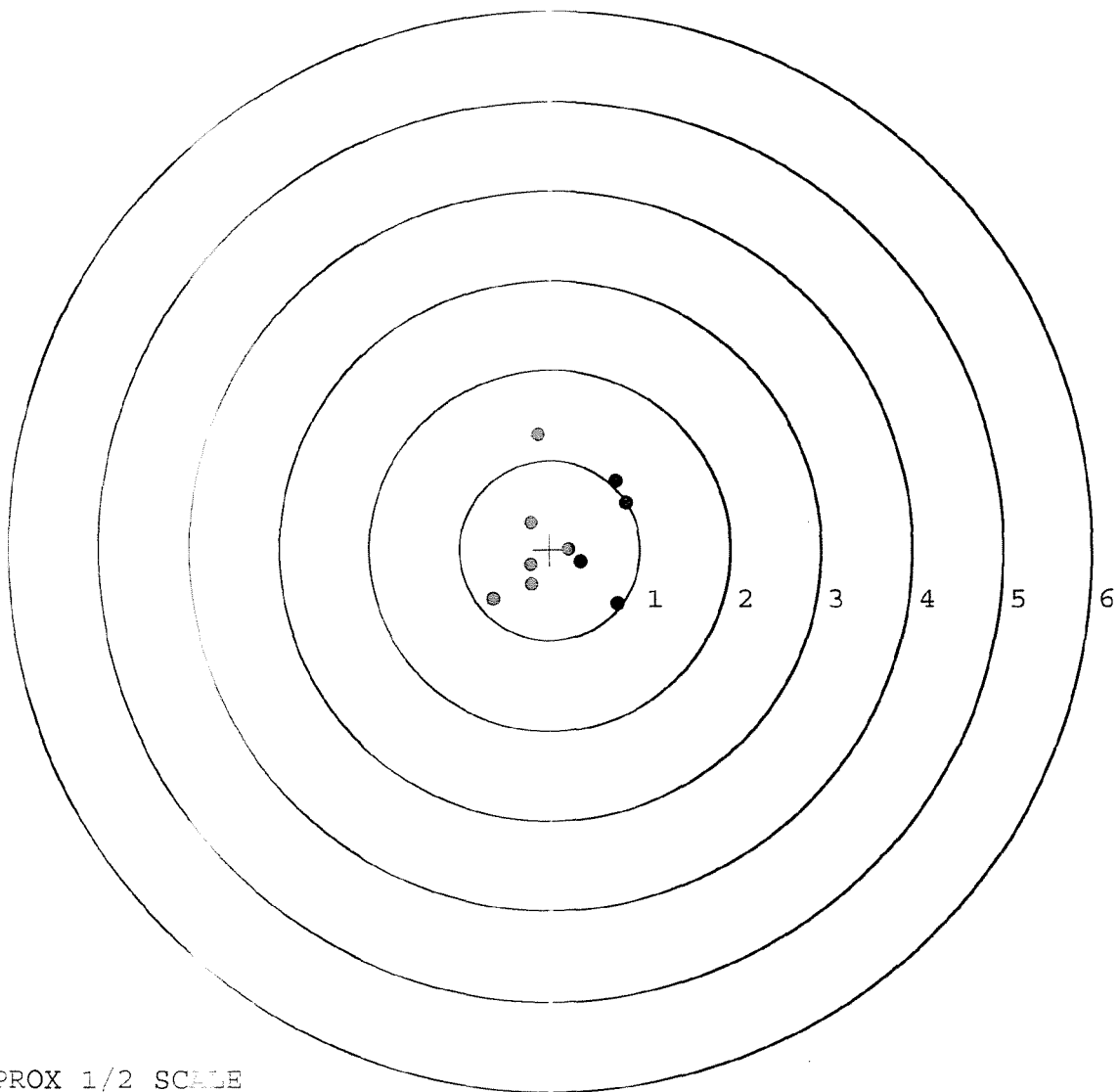
MEAN RADIUS: 0.736

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 11

POINT#	X	Y
1:	0.207	0.002
2:	0.343	-0.138
3:	0.753	-0.605
4:	-0.209	-0.391
5:	-0.219	-0.169
6:	-0.215	0.303
7:	-0.627	-0.552
8:	0.841	0.526
9:	0.728	0.773
10:	-0.127	1.282
11:	-0.127	1.284



TARGET APPROX 1/2 SCALE

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

R & E NUMBER	102974		
SERIAL NUMBER	C 6522181		
LOG-IN DATE	10-20-05		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	11-2-05	AC
560 A	RE-BARREL	11-7-05	AC
B	DRILL AND TAP	11-11-05	BR
575	ASSEMBLE	11-14-05	CD
600	PROOF MAGNA-FLUX INSPECTED	11-14-05	CD
605	CHECK HEADSPACE	11-14-05	CD
610	DIS-ASSEMBLE GUN	11-14-05	CD
612	MAGNA-FLUX OPERATOR <i>unus</i>	11-15-05	<i>unus</i>
615	ROLLMARK CALIBER	11-15-05	CW
618	ROTO-BLAST	11-16-05	LB
620	APPLY COATINGS	11-16-05	HP
625 A	FINAL ASSEMBLY	11-17-05	AC
B	TRIGGER PULL TEST	11-21-05	AC
C	SAFETY "ON" FORCE	11-21-05	AC
D	SAFETY "OFF" FORCE	11-21-05	AC
E	FIRING PIN INDENT	11-21-05	AC
640	TARGET	11-19-05	MTM
655	FINAL INSPECT	11-21-05	AC
660	PACK	12-2-05	DA
		SHIP DATE	
		QAR INSPECTION DATE	

Remington[®]

MODEL 700TM M24

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

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

REMINGTON-UMC
REG. U.S. PAT. & T.M. OFF.

SERIAL NO.
C6522181

ORDER NO.
5716

01

5716 C6522181

UPC

0 47700 25716 7

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6522181
9 Sep 1990

CENTROIDAL DISTANCES

0 TO	1	.302007
1 TO	2	.131848
1 TO	3	.0266271
1 TO	4	.371953
1 TO	5	.361321

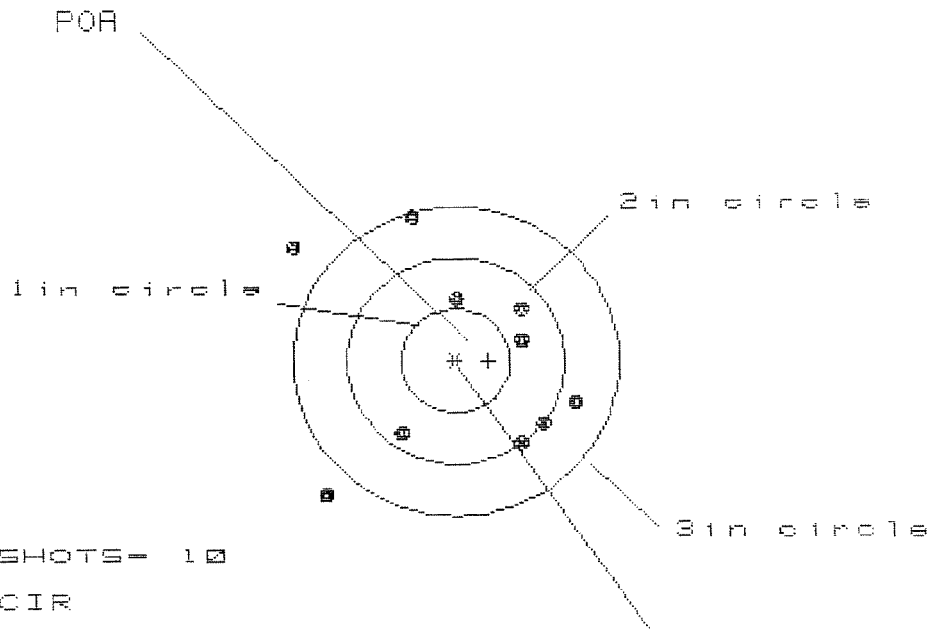
 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.1756
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1058
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .20501
FOR THIS RIFLE IS: 1.001

9 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C65221B1

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1 in = 0

2 in = 5

3 in = 8

HS= 2.626

VS= 2.624

GS= 3.063

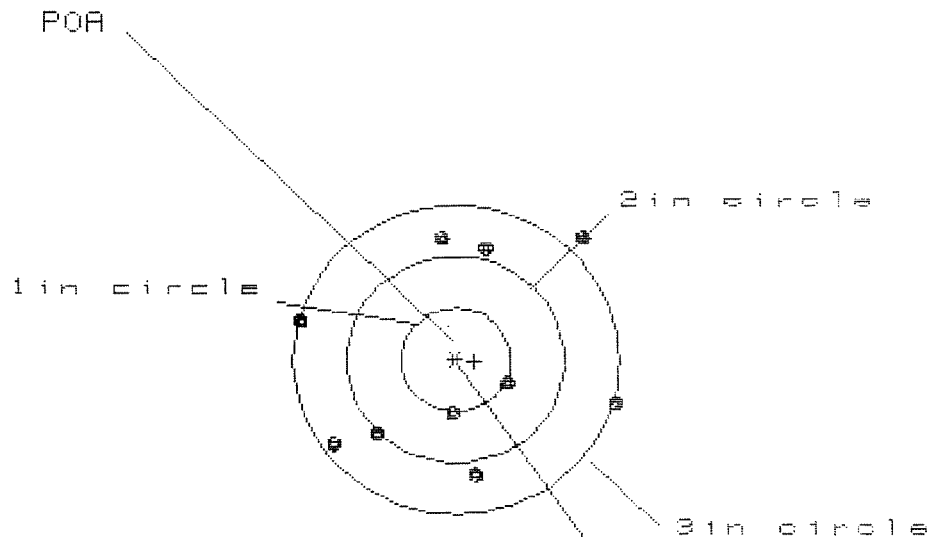
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.080	.908	.733
MINIMUM X	-1.546	-1.398	-.835
MAXIMUM Y	1.369	1.495	1.353
MINIMUM Y	-1.255	-1.129	-.792
CENTROID X	-.302	-.130	.045
CENTROID Y	-.002	-.128	.014
POA TO CENTROID in.	.302	.182	.047
MIN. RADIUS	.599	.521	.297
MED. RADIUS	1.111	.983	.833
MAX. RADIUS	1.915	1.797	1.555
VERTICAL SPREAD	2.626	2.306	1.568
HORIZONTAL SPREAD	2.624	2.624	2.145
EL. SPREAD	3.063	2.745	2.377
SHOTS IN ONE INCH CIRCLE	=	0	
SHOTS IN TWO INCH CIRCLE	=	5	
SHOTS IN THREE INCH CIRCLE	=	8	

9 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C85221B1

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 2

3 in = 8

HS= 2.870

VS= 2.304

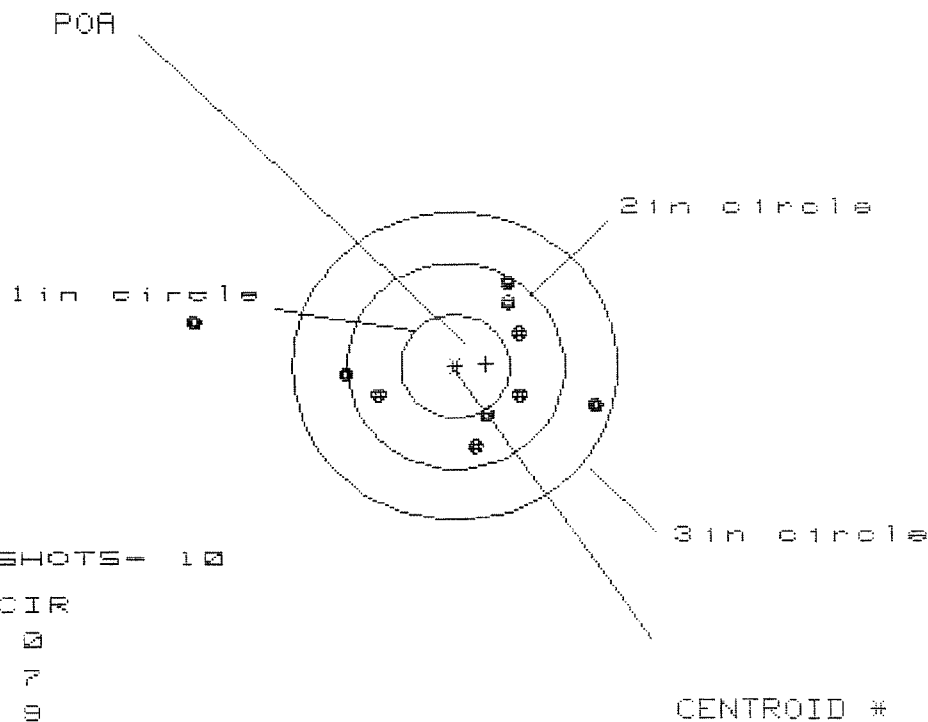
GS= 3.030

PATTERN #	2
SHOTS (BEST OF)	10
MAXIMUM X	1.457
MINIMUM X	-1.413
MAXIMUM Y	1.191
MINIMUM Y	-1.113
CENTROID X	-0.172
CENTROID Y	0.020
POA TO CENTROID in.	0.173
MIN RADIUS	0.468
MEAN RADIUS	1.148
MAX RADIUS	1.639
HORIZONTAL SPREAD	2.870
VERTICAL SPREAD	2.304
EXTREME SPREAD	3.030
NUMBER IN ONE INCH CIRCLE =	1
NUMBER IN TWO INCH CIRCLE =	2
NUMBER IN THREE INCH CIRCLE =	8

9 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06522181

CENTERFIRE PATTERNS # 3

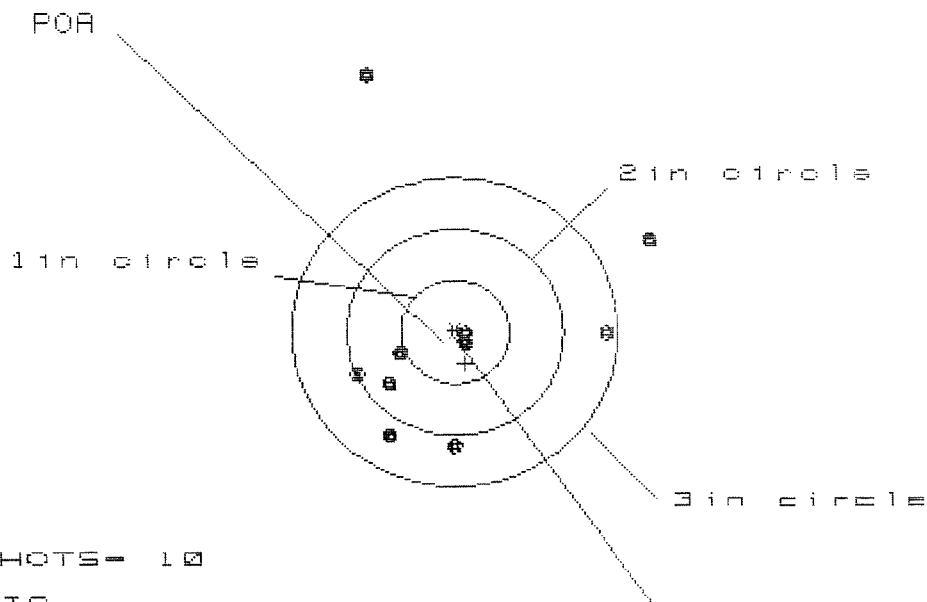


PATTERN #	3
SHOTS (BEST OF)	10
MAXIMUM X	1.328
MINIMUM X	-2.371
MAXIMUM Y	.796
MINIMUM Y	-.764
CENTROID X	-.287
CENTROID Y	-.024
POA TO CENTROID in.	.288
MIN RADIUS	.538
MEAN RADIUS	.986
MAX RADIUS	2.412
HORIZONTAL SPREAD	3.699
VERTICAL SPREAD	1.560
EXTREME SPREAD	3.782
NUMBER IN ONE INCH CIRCLE	0
NUMBER IN TWO INCH CIRCLE	7
NUMBER IN THREE INCH CIRCLE	9

9 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C85221B1

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in = 2

2in = 5

3in = 8

HS= 2.557

VS= 3.518

GS= 3.616

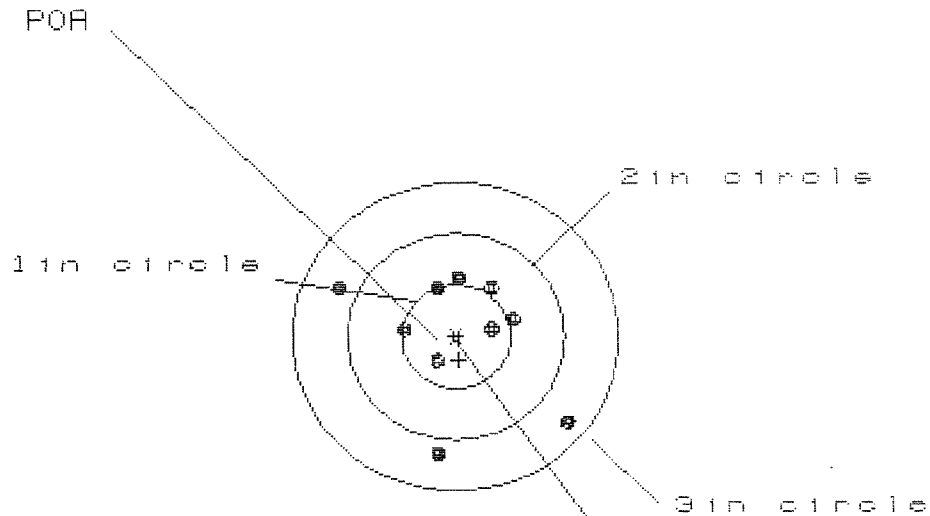
CENTROID #

PATTERN #	4	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.798	1.706	1.539
MINIMUM X	-.869	-.961	-.748
MAXIMUM Y	2.455	1.123	.391
MINIMUM Y	-1.063	-.790	-.649
CENTROID X	-.092	.000	-.213
CENTROID Y	.305	.032	-.108
POA TO CENTROID in.	.318	.032	.239
MIN RADIUS	.125	.141	.366
MEAN RADIUS	1.081	.878	.692
MAX RADIUS	2.593	2.042	1.583
HORIZONTAL SPREAD	2.667	2.667	2.287
VERTICAL SPREAD	3.518	1.913	1.041
EXTREME SPREAD	3.616	3.070	2.311
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		8	

5 Sep 1990

FILE:/PATTERNING/CENTERFIRE_PATT/085221B1

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 4

2in = 7

3in = 10

HS= 2.046

VS= 1.651

GS= 2.402

CENTROID *

PATTERN #	5		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.979	.636	.516
MINIMUM X	-1.067	-.958	-.473
MAXIMUM Y	.522	.433	.478
MINIMUM Y	-1.129	-1.218	-1.173
CENTROID X	-.025	-.134	-.014
CENTROID Y	.230	.319	.274
POA TO CENTROID in.	.231	.346	.274
MIN RADIUS	.305	.350	.291
MEAN RADIUS	.680	.600	.539
MAX RADIUS	1.267	1.223	1.194
HORIZONTAL SPREAD	2.046	1.594	.989
VERTICAL SPREAD	1.651	1.651	1.651
EXTREME SPREAD	2.402	1.799	1.721
NUMBER IN ONE INCH CIRCLE	= 4		
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. 06522181

DATE 8/31/90

TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.40	2.33	2.36	2.67	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.22	2.22	2.33	2.51	
PULL #3	2.35	2.33	2.38	2.52	
PULL #4	2.21	2.35	2.34	2.46	
PULL #5	2.27	2.34	2.35	2.52	
TOTAL	11.45	11.57	11.76	12.65	
AVG.	2.29	2.314	2.352	2.53	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.21	3.47		
PULL #2	3.22	3.38		
PULL #3	3.08	3.36		
PULL #4	3.50	3.29		
PULL #5	3.53	3.40		
TOTAL	16.54	16.83		
AVG.	3.308	3.366		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.48	4.37		4.26
PULL #2	4.55	4.33		4.31
PULL #3	4.35	4.31		4.14
PULL #4	4.00	4.33		4.34
PULL #5	4.38	4.33		4.31
TOTAL	21.76	21.67		21.36
AVG.	4.352	4.334		4.272

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6522-181

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	LS
617	Drill and Tap Sight Holes		8/10/90	RB
618	Polish Barrel RB		8/14/90	WB
620	Apply Coatings (Barrel Action)		8-24-90	TS
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly		8/27/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/27/90	RW
	C) Inspect Ejector Hole for Chamfer		8/27/90	RW
	D) Oil Firing Pin Ass'y		8/27/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		8/27/90	SM

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4 1/2	4 1/2	4 1/2			9/5/90	WB
	G) Safety Off Force	2	2	2			9/5/90	WB
	H) Trigger Pull Test & Retainability						8/31/91	JH
	I) Firing Pin Indent	.0225	.0225	.0225			9/5/90	WB
	J) Assemble Stock						9/9/90	RW
	K) Assemble Swivel Studs						9/9/90	JS
	L) Attach Front and Rear Sight Assemblies						9/9/90	RW
	M) Iron Sight Alignment						9/9/90	RW
	N) Detach Front & Rear Sights & place in numbered container						9/9/90	RW
	O) Attach Scope to Rifle						9/9/90	JS
	P) Detach & Attach Scope 20 Times						9/9/90	JS
640	Gallery Target & Test						9/9/90	KJ
	A) Time						9/9/90	KJ
	B) Malfunctions						9/9/90	KJ
	C) Pierced Primers						9/9/90	KJ
	D) Optical Clarity of Scope						9/9/90	KJ
645	Inspect for Live Ammo						9/9/90	KJ
655	Final Inspection						9/11/90	JS
	A) Headspace							
	B) Trigger Pull	2.64	2.51	2.52	2.46	2.52	9/10/90	WB
	C) Function						9/11/90	JS
660	Pack						9/19/90	VF