

C6522312

MODEL 700™ M24

Model SMS™

Action _____

Barrel Length _____

Capacity _____

Order No. 5716

*Includes 1 in chamber.



Repair Inquiry

Repair Number: RE00129837

Serial: C6522312 Model M24 SWS Center Fire
Caliber: 7.62 NATO

Repairman:

Verify Repair

Status:

New 5/30/2007 10:28:06 AM

Address Information

Customer:

Received From

Return To:

Received From

Name: TRANSPORTATION OFFICER

TRANSPORTATION OFFICER

Address 1: BLDG 49015 CRSP UPSTAIRS

BLDG 49015 CRSP UPSTAIRS

Address 2: SANTA FE AVE

PO Box:

SANTA FE AVE

PO Box:

City: FORT HOOD

FORT HOOD

State: TX

Zip Code: 76544

Country: US

State: TX

Zip Code: 76544

Country: US

FFL:

Contact / Condition

Problems

Estimate

History / Status

Shipping / Billing

Contact Information

Phone: NN

Fax:

Email:

Comments:

Received Condition

Fair

Condition
Notes:CSR
Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	3
A009	Soft Case	1
A017	Scope Base	1
A026	Scope	1
A045	Bi Pod	1
A057	Frt and Rear Sgt Base	2

Repair Search

Refresh

Close

naglej

5/30/2007

2:05 PM

CAPS

NUM

INS

SCRL



2 Mi...

2 Mi...

Part...

4 In...

SAP L...

Arms...

2:05 PM

Serial
Number:

C6522312

Model: M24 SWS



RE00129837

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6522312.___0
FILE DATE AND TIME: 07/25/2007 23:04

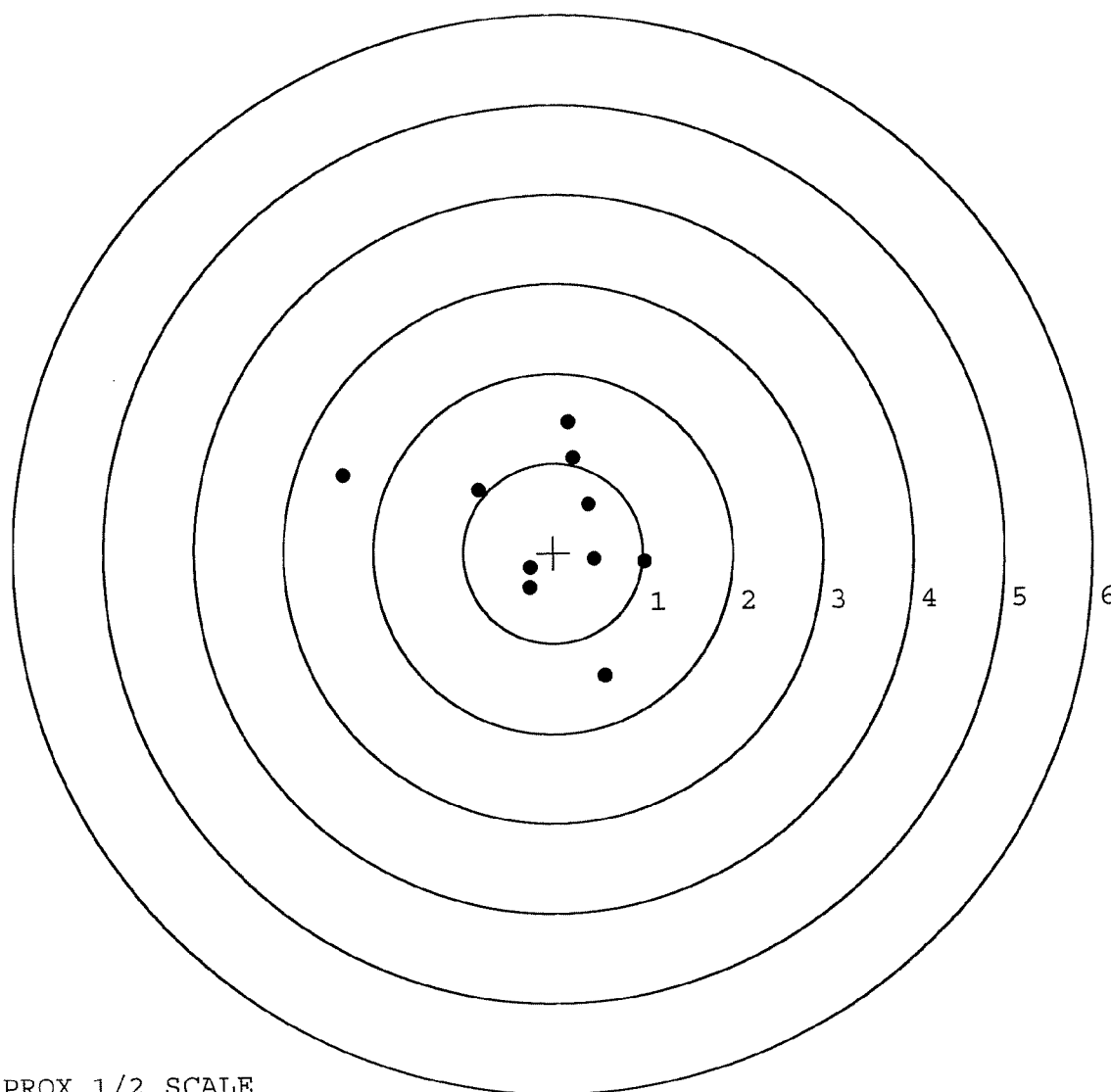
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.088
The Average Y Centroid of the Five Target Set:	-0.111
The Average Point of Impact of the Five Target Set:	0.142
The Average Mean Radius of the Five Target Set:	0.790
The Distance from POA to Centroid Target #1:	0.266
The Distance from Centroid Target #2 to Centroid Target #1:	0.480
The Distance from Centroid Target #3 to Centroid Target #1:	0.303
The Distance from Centroid Target #4 to Centroid Target #1:	0.620
The Distance from Centroid Target #5 to Centroid Target #1:	0.666

SERIAL NUMBER: C6522312. __0
 TARGET NUMBER: 1
 FILE DATE: 07/25/2007
 FILE TIME: 23:04

POINT#	X	Y
1:	0.186	1.455
2:	0.231	1.055
3:	0.398	0.535
4:	1.019	-0.111
5:	0.455	-0.080
6:	-0.269	-0.392
7:	-0.261	-0.170
8:	-0.826	0.709
9:	-2.333	0.887
10:	0.563	-1.368

X CENTROID: -0.084
 Y CENTROID: 0.252
 POA TO CENTROID: 0.266
 HORZ SPREAD: 3.352
 VERT SPREAD: 2.823
 GROUP SPREAD: 3.670
 MIN RADIUS: 0.458
 MAX RADIUS: 2.337
 MEAN RADIUS: 1.053
 # IN 1 IN DIAMETER: 1
 # IN 2 IN DIAMETER: 6
 # in 3 IN DIAMETER: 8



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522312. 0

TARGET NUMBER: 2

FILE DATE: 07/25/2007

FILE TIME: 23:04

POINT#	X	Y
1:	-0.495	0.248
2:	-0.152	0.419
3:	-0.844	-0.220
4:	0.310	0.301
5:	0.765	0.048
6:	-0.125	-0.257
7:	0.232	-0.319
8:	0.362	-0.557
9:	0.256	-1.580
10:	-0.046	-0.231

X CENTROID: 0.026

Y CENTROID: -0.215

POA TO CENTROID: 0.216

HORZ SPREAD: 1.609

VERT SPREAD: 1.999

GROUP SPREAD: 2.040

MIN RADIUS: 0.074

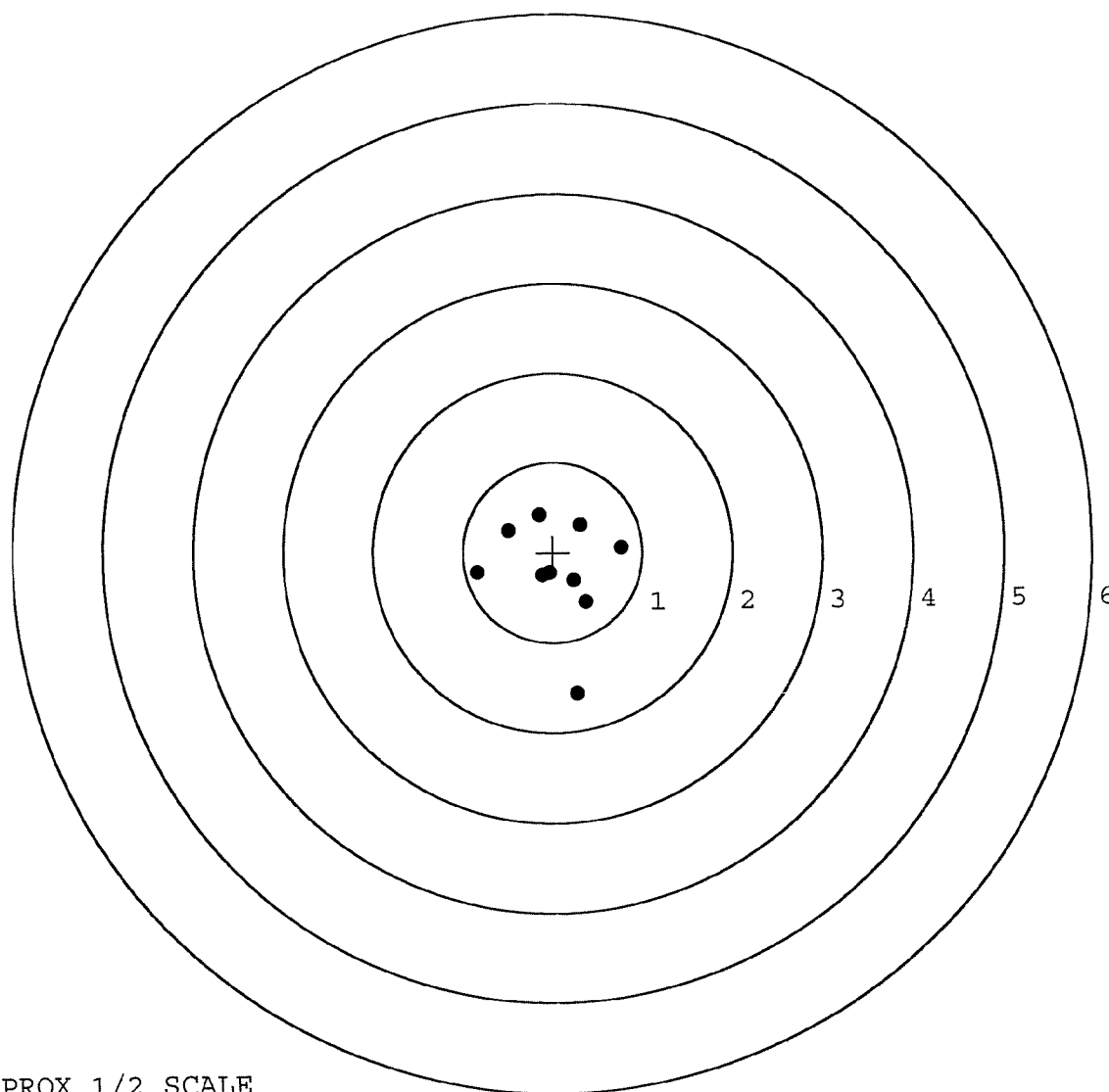
MAX RADIUS: 1.384

MEAN RADIUS: 0.592

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

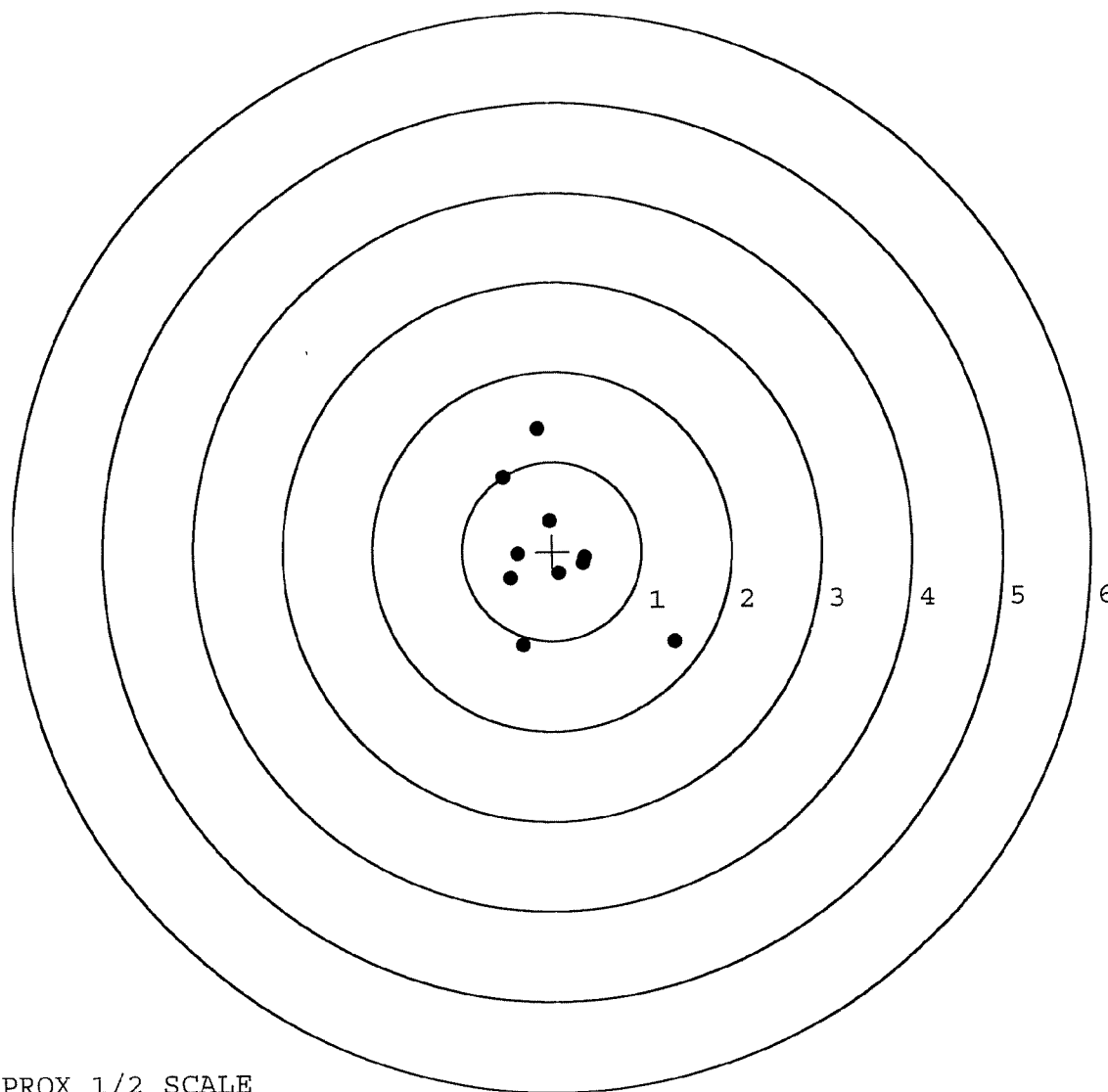


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522312. 0
 TARGET NUMBER: 3
 FILE DATE: 07/25/2007
 FILE TIME: 23:04

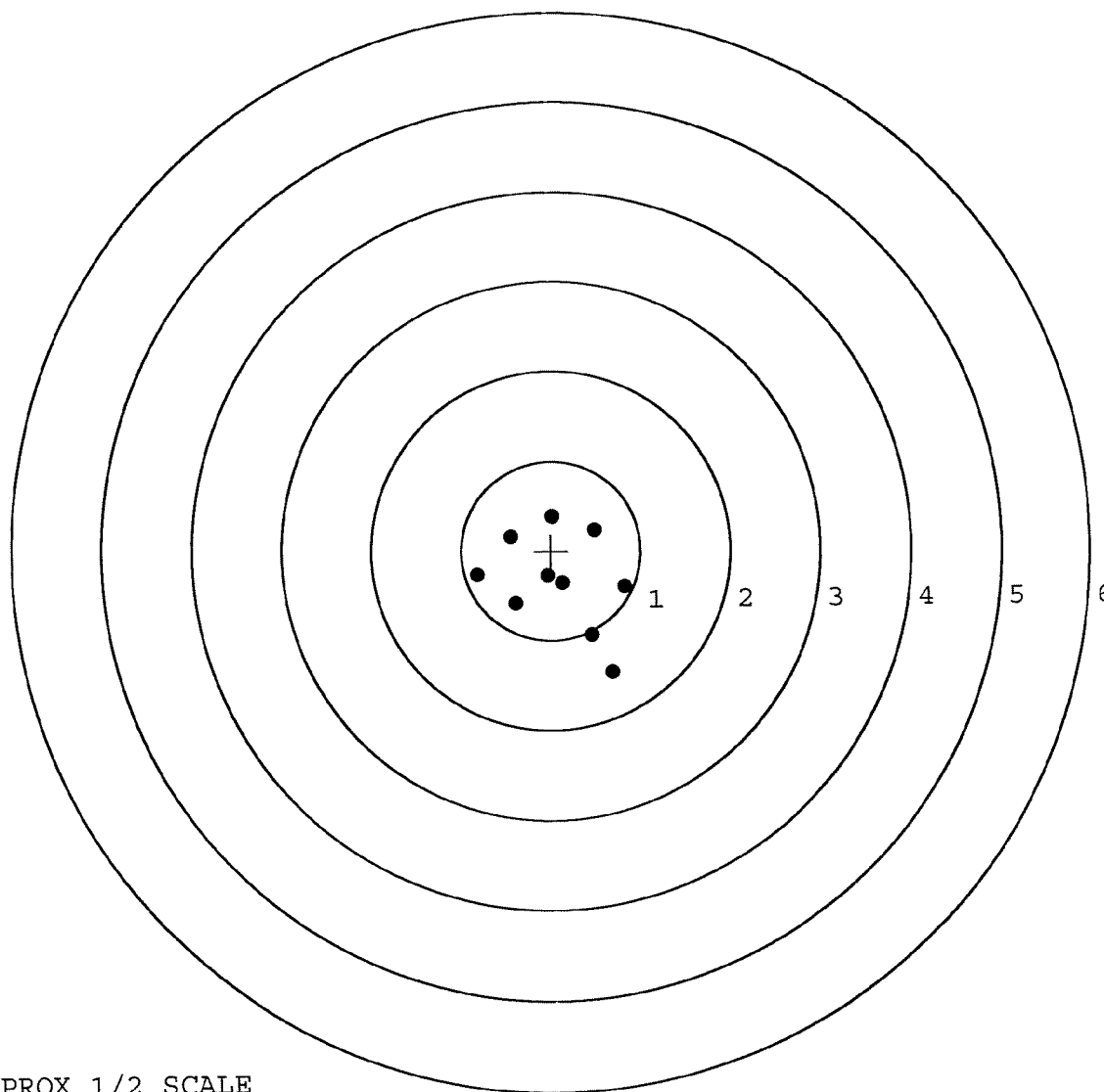
POINT#	X	Y
1:	-0.030	0.335
2:	-0.391	-0.033
3:	-0.467	-0.302
4:	0.068	-0.247
5:	0.345	-0.141
6:	0.361	-0.067
7:	1.358	-1.024
8:	-0.339	-1.049
9:	-0.546	0.836
10:	-0.156	1.365

X CENTROID: 0.020
 Y CENTROID: -0.033
 POA TO CENTROID: 0.038
 HORZ SPREAD: 1.904
 VERT SPREAD: 2.414
 GROUP SPREAD: 2.828
 MIN RADIUS: 0.220
 MAX RADIUS: 1.665
 MEAN RADIUS: 0.743
 # IN 1 IN DIAMETER: 5
 # IN 2 IN DIAMETER: 6
 # in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522312.0	POINT#	X	Y
TARGET NUMBER: 4	1:	0.017	0.384
FILE DATE: 07/25/2007	2:	-0.447	0.162
FILE TIME: 23:04	3:	-0.824	-0.262
	4:	-0.404	-0.588
	5:	-0.041	-0.282
X CENTROID: 0.085	6:	0.121	-0.361
Y CENTROID: -0.344	7:	0.449	-0.951
POA TO CENTROID: 0.355	8:	0.670	-1.371
HORZ SPREAD: 1.643	9:	0.819	-0.407
VERT SPREAD: 1.755	10:	0.490	0.232
GROUP SPREAD: 1.897			
MIN RADIUS: 0.040			
MAX RADIUS: 1.182			
MEAN RADIUS: 0.644			
# IN 1 IN DIAMETER: 2			
# IN 2 IN DIAMETER: 9			
# in 3 IN DIAMETER: 10			



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522312. __0

TARGET NUMBER: 5

FILE DATE: 07/25/2007

FILE TIME: 23:04

POINT#	X	Y
1:	0.284	0.846
2:	1.118	0.366
3:	-0.625	0.515
4:	-0.478	-0.107
5:	-0.727	-0.978
6:	0.103	-0.179
7:	0.315	-0.372
8:	0.682	-0.193
9:	1.460	-0.876
10:	1.777	-1.180

X CENTROID: 0.391

Y CENTROID: -0.216

POA TO CENTROID: 0.447

HORZ SPREAD: 2.504

VERT SPREAD: 2.026

GROUP SPREAD: 2.940

MIN RADIUS: 0.174

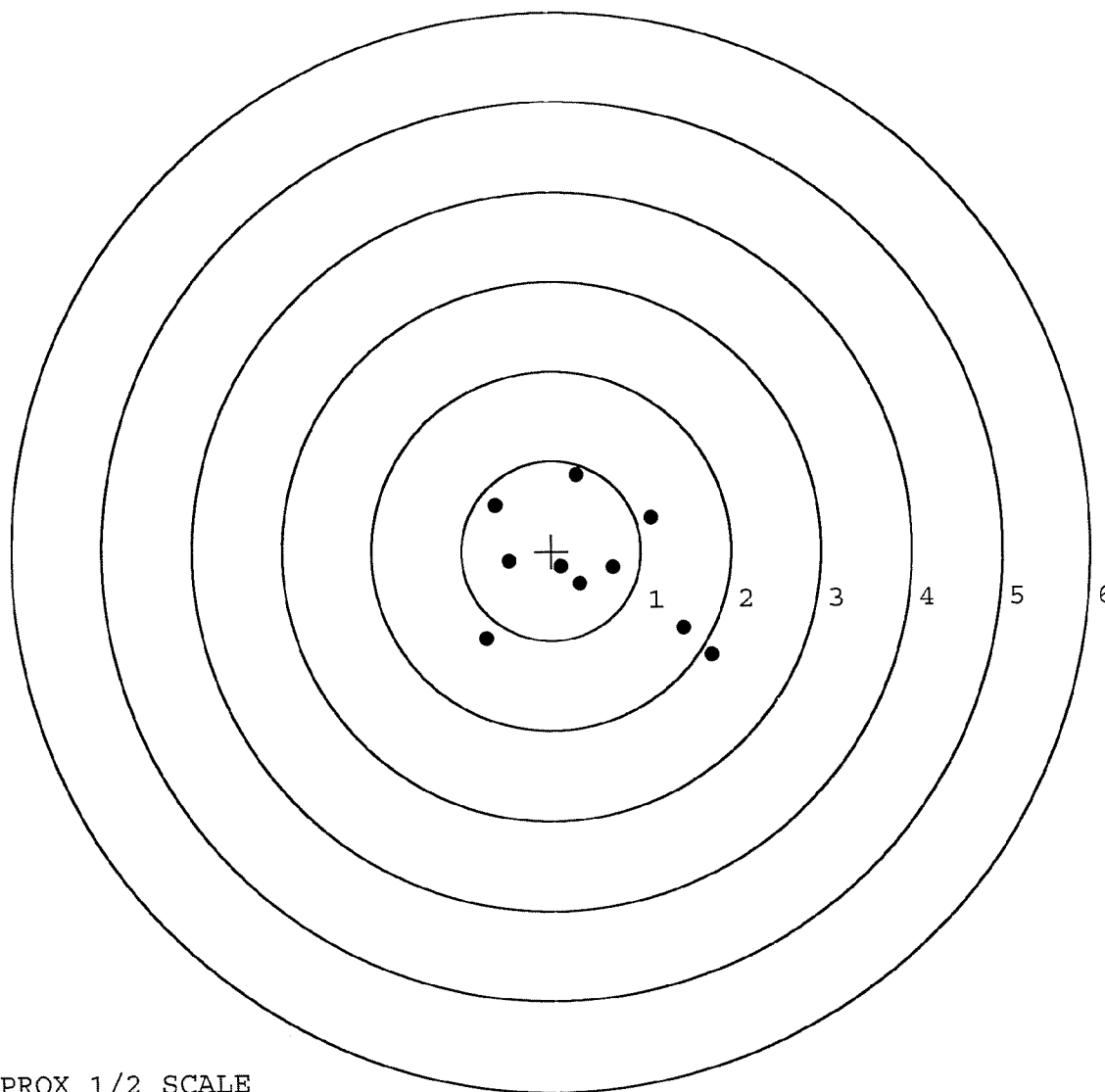
MAX RADIUS: 1.688

MEAN RADIUS: 0.918

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 5

in 3 IN DIAMETER: 9



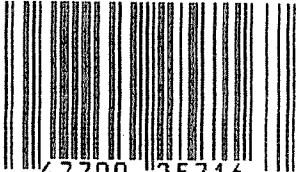
TARGET APPROX 1/2 SCALE

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

R & E NUMBER		00129837	
SERIAL NUMBER		C6522312	
LOG-IN DATE		5-30-07	
OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	7-10-07	APD
505	RE-BARREL	7-13-07	RTZ
560	ASSEMBLE	7-16-07	TRW
600	PROOF	7-16-07	TRW
605	CHECK HEADSPACE	7-16-07	TRW
610	DIS-ASSEMBLE GUN	7-16-07	RTZ
612	MAGNAFLUX	7-17-07	unl
510	DRILL AND TAP	7-16-07	TRW
615	ROLLMARK CALIBER	7-16-07	CW
618	ROTO-BLAST	7-17-07	LB
620	APPLY COATINGS	7-18-07	CM
625	FINAL ASSEMBLY	7-25-07	RTZ
640	FUNCTION TEST AND	PASS FAIL	7-25-07 unl
650	TARGET	PASS FAIL	7-25-07 unl
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	7-25-07 SD
670	FINAL INSPECTION		
	A) HEADSPACE	PASS FAIL	7-27-07 DA
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	2.65 2.65 2.49 2.49 2.52 7-26-07 DA
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS MAX	4.5 4.5 4.2 7-26-07 DA
	G) SAFETY OFF FORCE	2 LBS MIN	2.5 2.5 2.5 7-26-07 DA
	I) FIRING PIN INDENT	.020	.023 .023 .023 7-26-07 DA
690	PACK		7-6-07 DA

Remington ®		DU PONT REG. U.S. PAT. & TM. OFF.	VERY IMPORTANT: Instruction Book enclosed to assure safe use of this firearm.
MODEL 700™ H24		SERIAL NO. C6522312	ORDER NO. 5716
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off, Marca Registrada Marque Deposee.		Ø1	
 5716 C6522312			

UPC



0 47700 25716 7

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6522312
25 Aug 1990

CENTROIDAL DISTANCES

0 TO	1	.572756
1 TO	2	.296446
1 TO	3	.0368782
1 TO	4	.286447
1 TO	5	.942001

5 + $\frac{6}{5}$ $\leftarrow$ ----POB

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .331
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1904
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .381855
THE AMR FOR THIS RIFLE IS: .8478

25 Aug 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C8522312

CENTERFIRE PATTERNS

1

POA

1in circle

2in circle

3in circle

OF SHOTS - 10

IN CIR

1in = 2

2in = 5

3in = 9

HS = 1.390

VS = 2.862

GS = 2.921

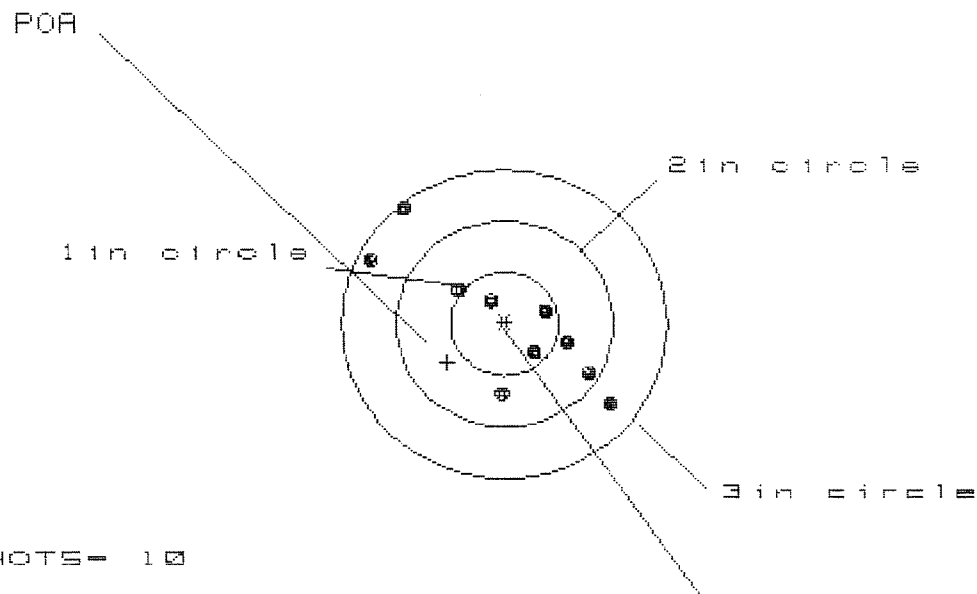
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.405	.345	.343
MINIMUM X	-.984	-1.045	-1.047
MAXIMUM Y	1.457	1.372	1.216
MINIMUM Y	-1.405	-1.243	-.955
CENTROID X	.567	.627	.629
CENTROID Y	.081	-.081	.075
POA TO CENTROID in.	.572	.632	.634
MIN RADIUS	.291	.191	.235
MEAN RADIUS	.903	.798	.747
MAX RADIUS	1.554	1.372	1.216
HORIZONTAL SPREAD	1.390	1.390	1.390
VERTICAL SPREAD	2.862	2.615	2.171
EXTREME SPREAD	2.921	2.615	2.193
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	9		

25 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8522312

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 7

3 in = 10

HS= 2.132

VS= 1.923

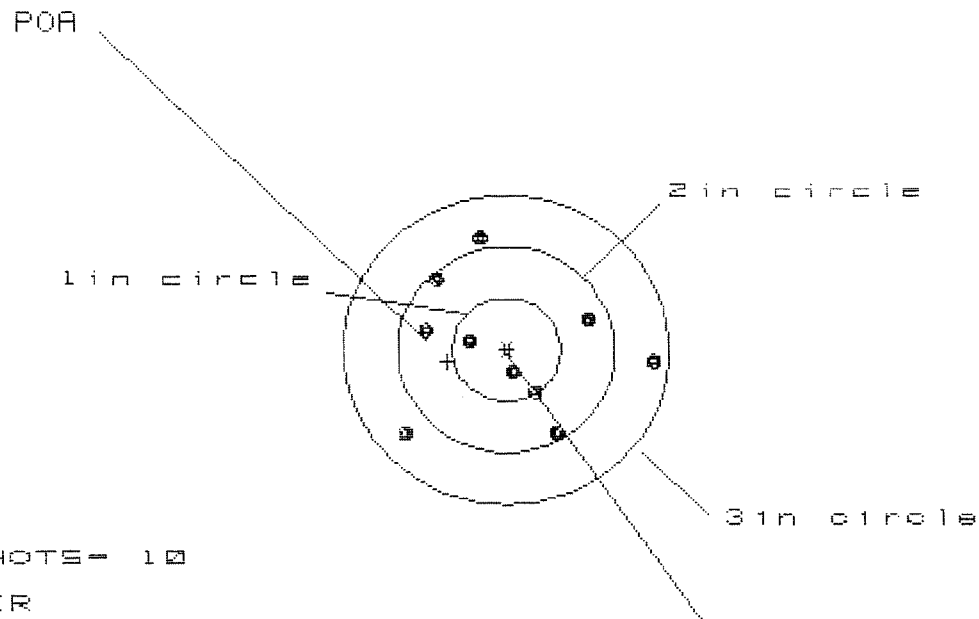
GS= 2.674

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.925	.821	.657
MINIMUM X	:	-1.207	-1.311	-.715
MAXIMUM Y	:	1.165	.733	.523
MINIMUM Y	:	-.758	-.628	-.537
CENTROID X	:	.529	.633	.797
CENTROID Y	:	.375	.245	.154
POA TO CENTROID in.	:	.648	.679	.811
MIN RADIUS	:	.250	.245	.097
MEAN RADIUS	:	.777	.672	.529
MAX RADIUS	:	1.493	1.502	.886
HORIZONTAL SPREAD	:	2.132	2.132	1.372
VERTICAL SPREAD	:	1.923	1.361	1.060
EXTREME SPREAD	:	2.674	2.529	1.734
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

25 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8522312

CENTERFIRE PATTERNS # 3



OF SHOTS = 10

IN CIR

1 in = 3

2 in = 7

3 in = 10

HS = 2.303

VS = 1.925

GS = 2.398

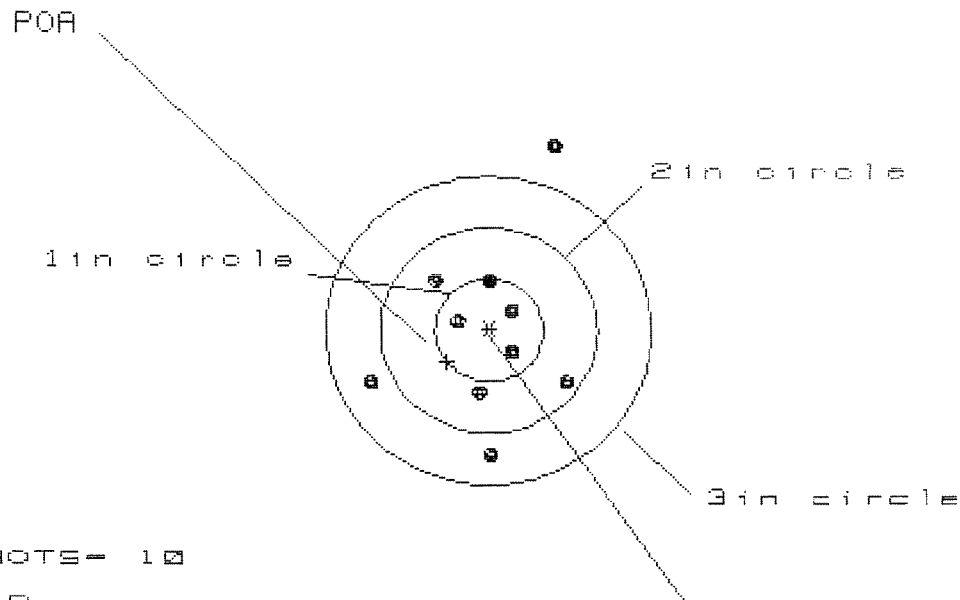
CENTROID #

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.374	.894	.797
MINIMUM X	:	-.929	-.777	-.691
MAXIMUM Y	:	1.107	1.091	.986
MINIMUM Y	:	-.818	-.834	-.928
CENTROID X	:	.543	.391	.488
CENTROID Y	:	.109	.125	.230
POA TO CENTROID in.	:	.554	.410	.539
MIN RADIUS	:	.187	.163	.259
MEAN RADIUS	:	.822	.749	.704
MAX RADIUS	:	1.382	1.140	1.059
HORIZONTAL SPREAD	:	2.303	1.671	1.488
VERTICAL SPREAD	:	1.925	1.925	1.914
EXTREME SPREAD	:	2.398	2.049	2.049
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

25 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8522312

CENTERFIRE PATTERNS # 4



OF SHOTS = 10

IN CIR

1in = 4

2in = 7

3in = 9

HS = 1.735

VS = 2.936

GS = 3.001

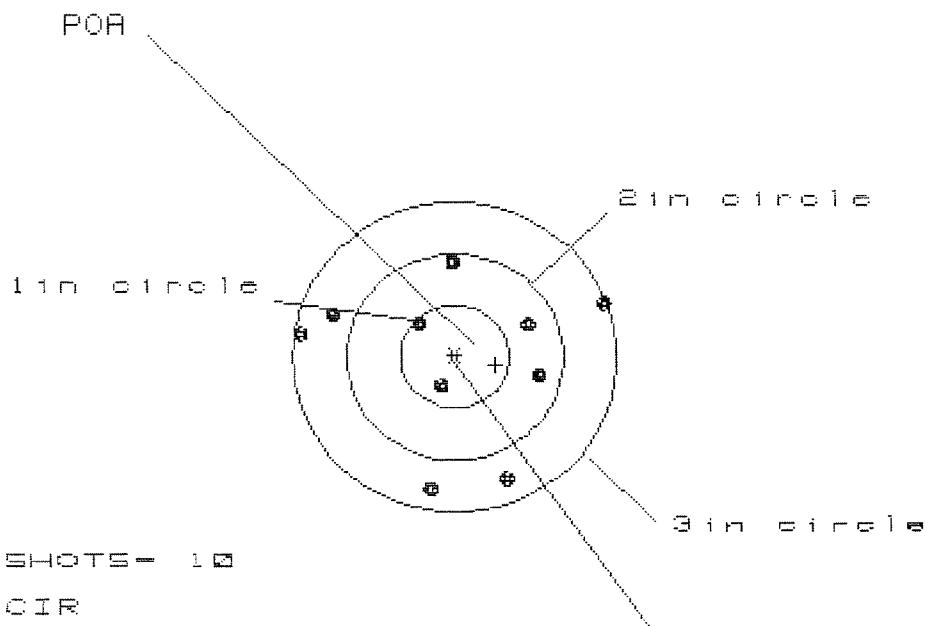
CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.675	.747	.759
MINIMUM X	:	-1.060	-.988	-.976
MAXIMUM Y	:	1.754	.671	.547
MINIMUM Y	:	-1.182	-.987	-.497
CENTROID X	:	.391	.319	.307
CENTROID Y	:	.307	.112	.236
POA TO CENTROID in.	:	.498	.339	.387
MIN RADIUS	:	.268	.284	.258
MEAN RADIUS	:	.761	.637	.575
MAX RADIUS	:	1.870	1.026	1.054
HORIZONTAL SPREAD	:	1.735	1.735	1.735
VERTICAL SPREAD	:	2.936	1.658	1.044
EXTREME SPREAD	:	3.001	1.735	1.735
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

25 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6522312

CENTERFIRE PATTERNS # 5



OF SHOTS - 10

IN CIR

1in = 2

2in = 5

3in = 10

HS = 2.793

VS = 2.175

GS = 2.805

CENTROID #

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.348	1.188	.776
MINIMUM X	:	-1.445	-1.237	-1.089
MAXIMUM Y	:	.934	.964	1.034
MINIMUM Y	:	-1.241	-1.211	-1.141
CENTROID X	:	-.375	-.215	-.363
CENTROID Y	:	.080	.050	-.020
POA TO CENTROID in.	:	.384	.220	.364
MIN RADIUS	:	.278	.340	.192
MEAN RADIUS	:	.976	.913	.851
MAX RADIUS	:	1.470	1.328	1.221
HORIZONTAL SPREAD	:	2.793	2.425	1.865
VERTICAL SPREAD	:	2.175	2.175	2.175
EXTREME SPREAD	:	2.805	2.426	2.198
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
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. C6522312

DATE 8-23-90

TESTER DH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.32	2.31	2.14	2.32	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.34	2.33	2.11	2.49	
PULL #3	2.36	2.31	2.09	2.38	
PULL #4	2.32	2.31	2.09	2.51	
PULL #5	2.37	2.35	2.10	2.42	
TOTAL	11.71	11.61	10.53	12.04	
AVG.	2.34	2.32	2.11	2.408	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.19	3.24		
PULL #2	3.16	3.24		
PULL #3	3.12	3.14		
PULL #4	3.02	3.14		
PULL #5	3.07	3.20		
TOTAL	15.56	15.96		
AVG.	3.11	3.19		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.32	4.37		4.46
PULL #2	4.15	4.41		4.42
PULL #3	4.31	4.37		4.40
PULL #4	4.38	4.44		4.42
PULL #5	4.36	4.30		4.42
TOTAL	21.52	21.89		22.12
AVG.	4.30	4.38		4.42

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6522312

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	7 12	90	RW
600	Proof	7 12	90	RW
607	Check Headspace	7 12	90	RW
610	Dis-assemble Gun	7 12	90	RW
612	Magnaflux Barrel Action		7-17-90	KR
	Magnaflux Bolt		7-17-90	KR
615	Rollmark Caliber		7-17-90	JS
617	Drill and Tap Sight Holes		7/23/90	FB
618	Polish Barrel RB		7/24/90	WB
620	Apply Coatings (Barrel Action)		7-6-90	TH
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		8/8/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/8/90	RW
	C) Inspect Ejector Hole for Chamfer		8/8/90	RW
	D) Oil Firing Pin Ass'y		8/8/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		8/23/90	Dot

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	3 3/4	3 3/4	3 3/4			8/23/90	WB
	G) Safety Off Force	2	2	2			8/23/90	WB
	H) Trigger Pull Test & Retainability						8/23/90	OH
	I) Firing Pin Indent	.022	.022	.022			8/23/90	WB
	J) Assemble Stock						8/25/90	RW
	K) Assemble Swivel Studs						8/31/90	938
	L) Attach Front and Rear Sight Assemblies						8/25/90	RW
	M) Iron Sight Alignment						8/25/90	RW
	N) Detach Front & Rear Sights & place in numbered container						8/25/90	RW
	O) Attach Scope to Rifle						8/25/90	RW
	P) Detach & Attach Scope 20 Times						8/25/90	RW
640	Gallery Target & Test						8-25-90	AC
	A) Time						8-25-90	AC
	B) Malfunctions						8-25-90	AC
	C) Pierced Primers						8-25-90	AC
	D) Optical Clarity of Scope						8-25-90	AC
645	Inspect for Live Ammo						8-25-90	AC
655	Final Inspection							
	A) Headspace						8/31/90	918
	B) Trigger Pull	2.32	2.49	2.30	2.51	2.42	8/30/90	981
	C) Function						8/31/90	918
660	Pack						9/19/90	VF