

C6522290

MODEL 760™ M24

Model **SMS**™

Action _____

Barrel Length _____

Capacity _____

Order No. **5716**

*Includes 1 in chamber.



Repair Inquiry

Repair Number: RE00061175

Serial: C6522290 Model 700 Center Fire Caliber:
7.62 NATO M-24 (SWS)

Repairman:

Verify Repair

Status:

Closed 2/5/2003 5:05:08 PM

Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name: CO C SUPPORT BATTALION

CO C SUPPORT BATTALION

Address 1: 1 ST SWTG (A)

1 ST SWTG (A)

Address 2: ATTN ARMAMENT FAC

PO Box:

ATTN ARMAMENT FAC

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:

Fax:

Email:

Comments:

Received Condition

Poor

Condition
Notes:CSR
Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	1
A017	Scope Base	1
A026	Scope	1
X	FRT & REAR SGT BA	1

Repair Search

Refresh

Close

naglej

2/6/2003

8:08 AM

CAPS

NUM

INC

SCPL



E:08 AM

Serial Number:

C6522290

Model: 700



RE00061175

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6522290.___0
FILE DATE AND TIME: 03/09/2003 01:34

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.024
The Average Y Centroid of the Five Target Set:	-0.052
The Average Point of Impact of the Five Target Set:	0.058
The Average Mean Radius of the Five Target Set:	0.750
The Distance from POA to Centroid Target #1:	0.094
The Distance from Centroid Target #2 to Centroid Target #1:	0.280
The Distance from Centroid Target #3 to Centroid Target #1:	0.245
The Distance from Centroid Target #4 to Centroid Target #1:	0.170
The Distance from Centroid Target #5 to Centroid Target #1:	0.070

SERIAL NUMBER: C6522290. __0

TARGET NUMBER: 1

FILE DATE: 03/09/2003

FILE TIME: 01:34

POINT#	X	Y
1:	-0.414	-0.522
2:	0.436	-0.771
3:	0.291	-0.283
4:	0.654	-0.263
5:	0.314	0.074
6:	-0.172	0.074
7:	-0.422	0.185
8:	-0.613	0.025
9:	0.724	1.101
10:	-0.512	1.275

X CENTROID: 0.029

Y CENTROID: 0.089

POA TO CENTROID: 0.094

HORZ SPREAD: 1.337

VERT SPREAD: 2.046

GROUP SPREAD: 2.255

MIN RADIUS: 0.201

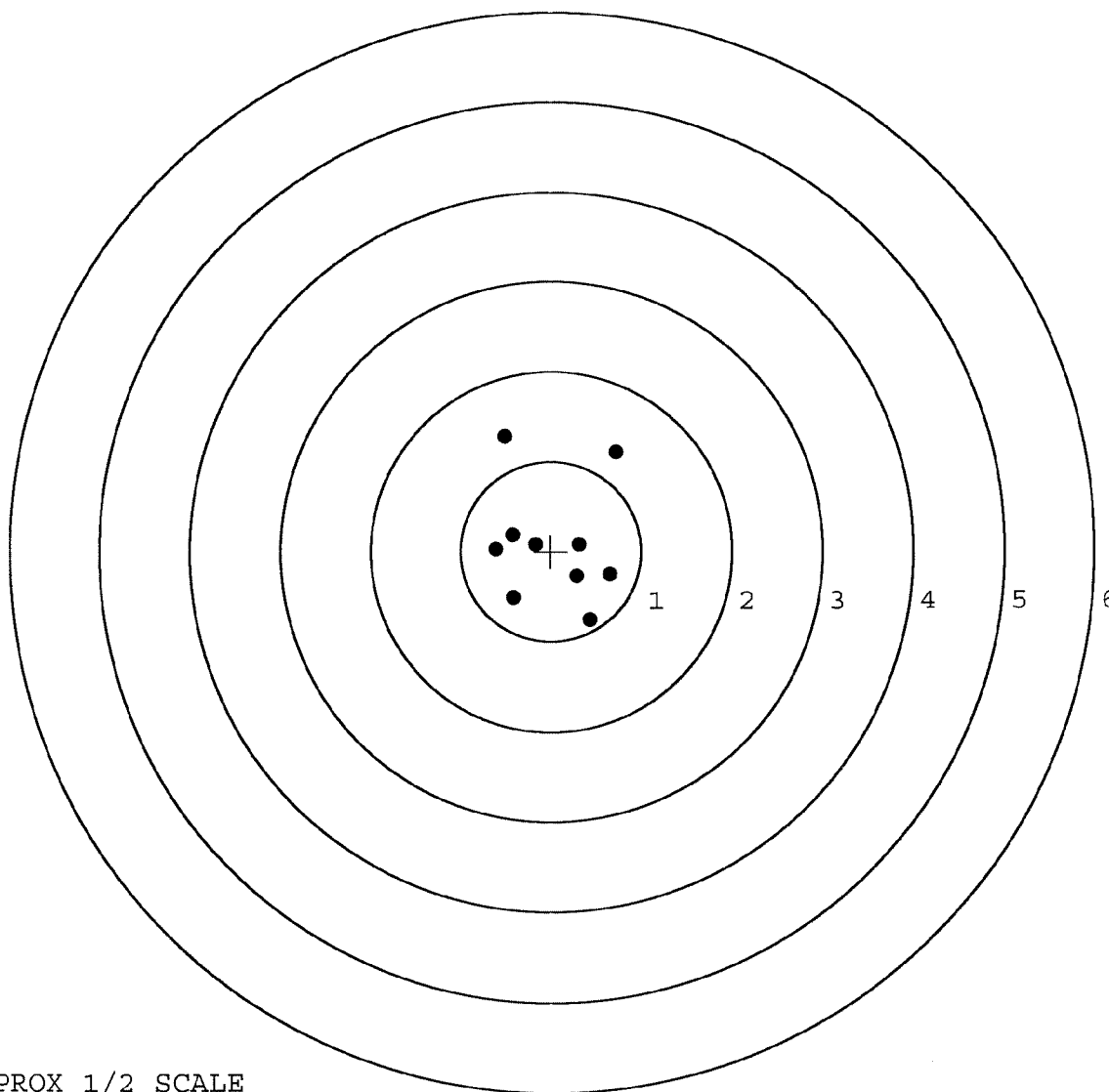
MAX RADIUS: 1.303

MEAN RADIUS: 0.700

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10

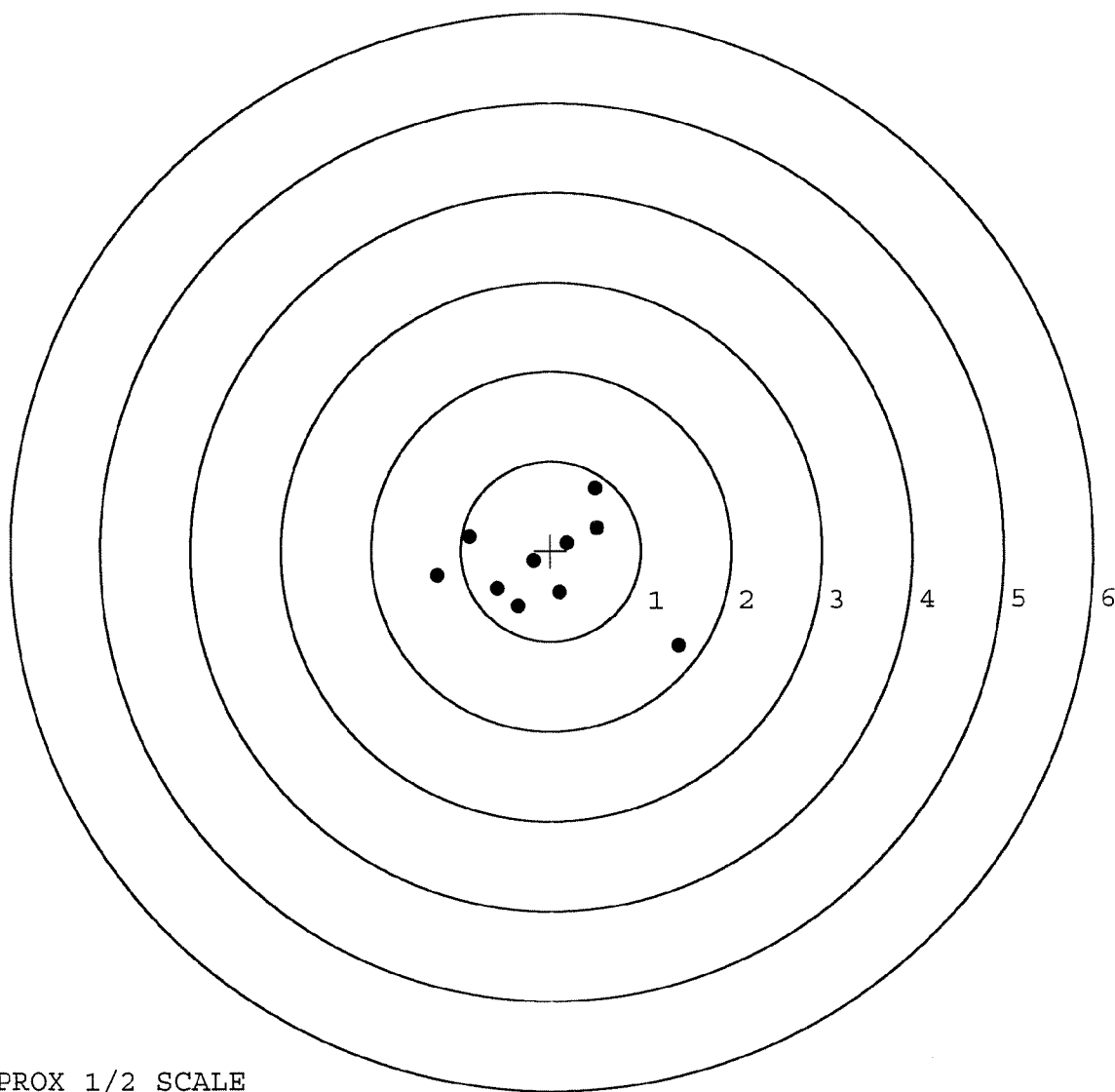


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522290. 0
TARGET NUMBER: 2
FILE DATE: 03/09/2003
FILE TIME: 01:34

X CENTROID: -0.060
Y CENTROID: -0.176
POA TO CENTROID: 0.186
HORZ SPREAD: 2.680
VERT SPREAD: 1.744
GROUP SPREAD: 2.791
MIN RADIUS: 0.142
MAX RADIUS: 1.717
MEAN RADIUS: 0.754
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	1.415	-1.056
2:	0.106	-0.462
3:	0.186	0.083
4:	0.519	0.252
5:	0.494	0.688
6:	-0.188	-0.114
7:	-0.598	-0.423
8:	-0.365	-0.614
9:	-1.265	-0.276
10:	-0.903	0.159

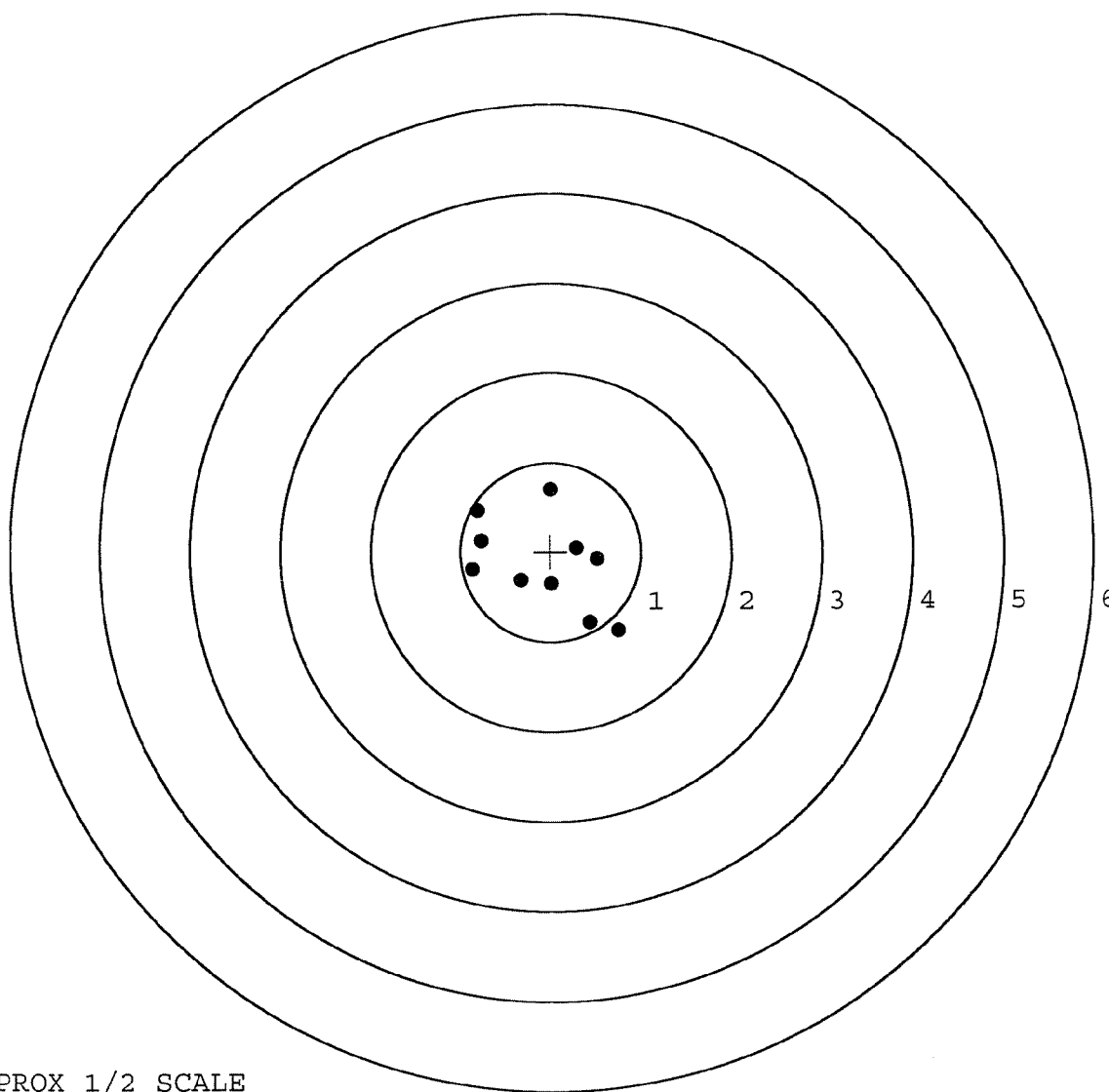


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522290. __0
TARGET NUMBER: 3
FILE DATE: 03/09/2003
FILE TIME: 01:34

POINT#	X	Y
1:	0.751	-0.874
2:	0.436	-0.789
3:	0.519	-0.080
4:	0.291	0.044
5:	0.013	-0.364
6:	-0.328	-0.326
7:	-0.872	-0.203
8:	-0.768	0.125
9:	-0.811	0.463
10:	-0.006	0.695

X CENTROID: -0.078
Y CENTROID: -0.131
POA TO CENTROID: 0.152
HORZ SPREAD: 1.623
VERT SPREAD: 1.569
GROUP SPREAD: 2.056
MIN RADIUS: 0.250
MAX RADIUS: 1.113
MEAN RADIUS: 0.683
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522290. __0

TARGET NUMBER: 4

FILE DATE: 03/09/2003

FILE TIME: 01:34

POINT#	X	Y
1:	0.612	-0.523
2:	0.103	-1.186
3:	-0.292	-1.168
4:	-0.705	-0.744
5:	0.822	0.453
6:	0.495	0.359
7:	0.053	0.482
8:	-0.393	0.037
9:	-0.665	0.462
10:	-0.488	1.189

X CENTROID: -0.046

Y CENTROID: -0.064

POA TO CENTROID: 0.079

HORZ SPREAD: 1.527

VERT SPREAD: 2.375

GROUP SPREAD: 2.447

MIN RADIUS: 0.362

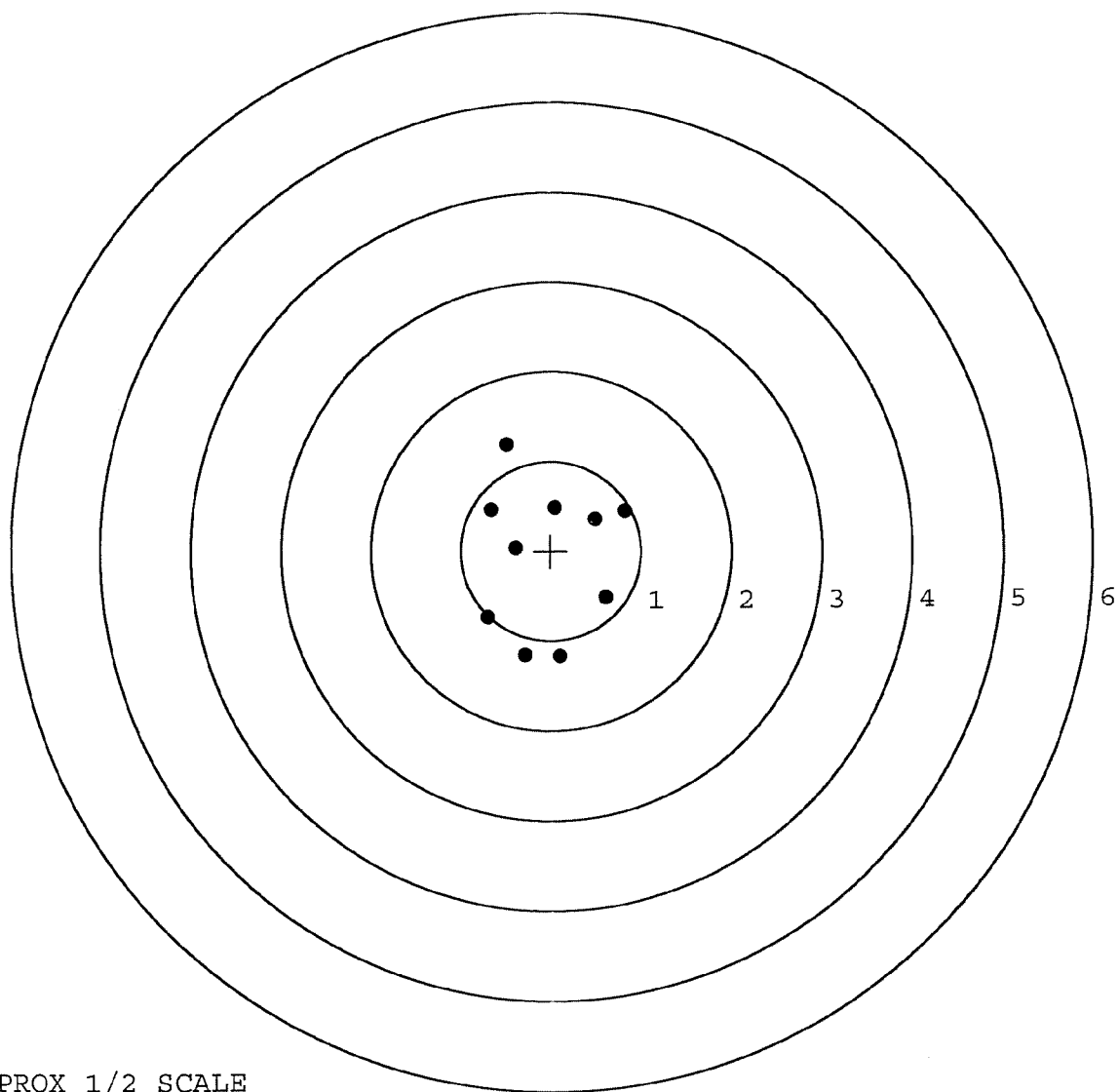
MAX RADIUS: 1.329

MEAN RADIUS: 0.877

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6522290. 0

TARGET NUMBER: 5

FILE DATE: 03/09/2003

FILE TIME: 01:34

X CENTROID: 0.035

Y CENTROID: 0.020

POA TO CENTROID: 0.041

HORZ SPREAD: 1.859

VERT SPREAD: 1.820

GROUP SPREAD: 1.894

MIN RADIUS: 0.383

MAX RADIUS: 1.105

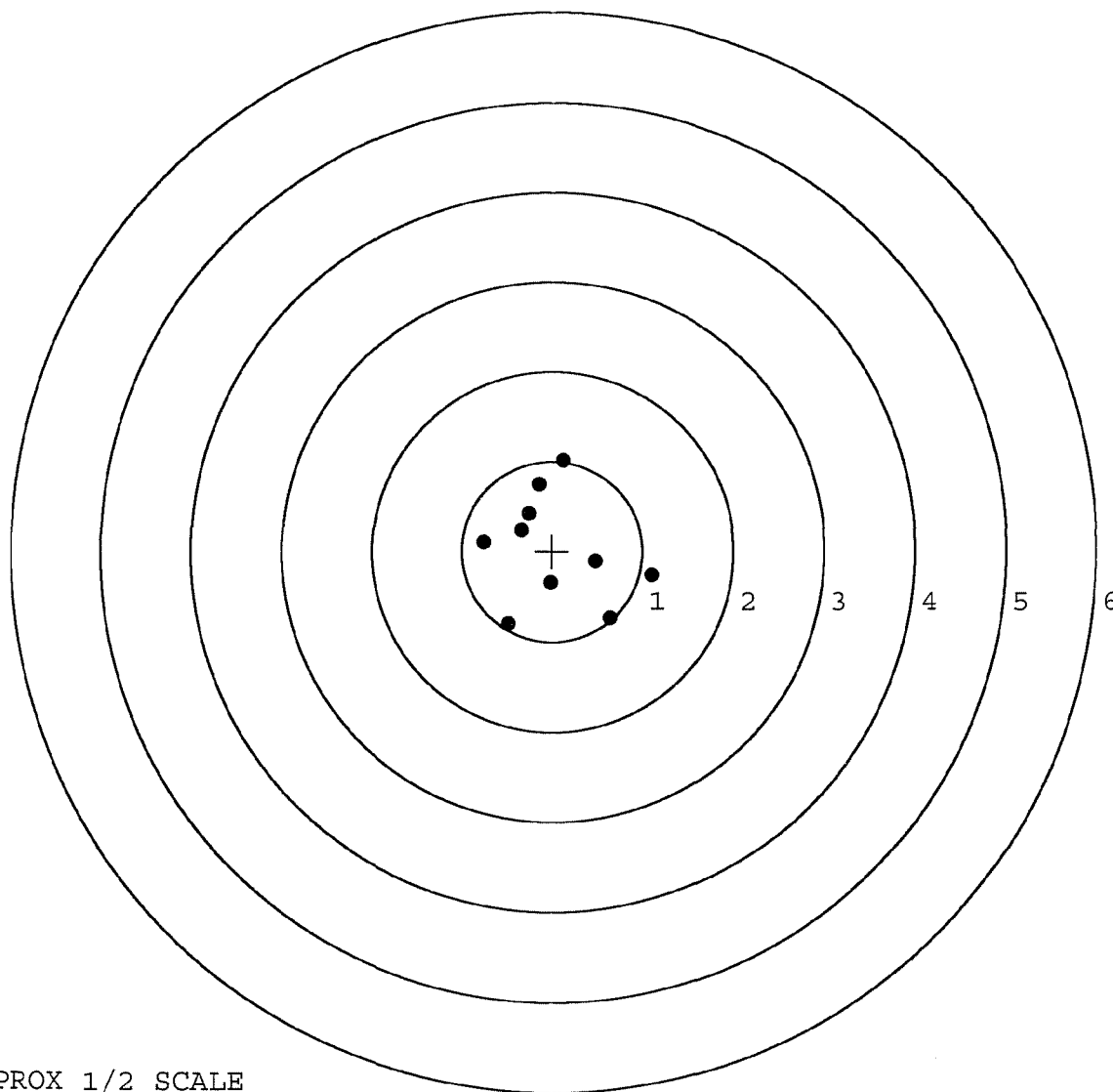
MEAN RADIUS: 0.737

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.485	-0.809
2:	-0.019	-0.359
3:	0.483	-0.116
4:	1.102	-0.268
5:	0.646	-0.743
6:	-0.757	0.097
7:	-0.338	0.227
8:	-0.260	0.416
9:	-0.148	0.743
10:	0.129	1.011



TARGET APPROX 1/2 SCALE

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

SERIAL # C 652 2290

INSPECTED BY: RTL

DATE REC'D: 2-5-03

DATE RET'D: 3-10-03

ITEM

BARREL ASSEMBLY

☒ BARREL
☒ RECEIVER
☒ FRONT SIGHT BASE
☒ REAR SIGHT BASE
☒ SCREWS
☒ FINISH

SCOPE ASSEMBLY

☒ SCOPE
☒ SCOPE RINGS
☒ MOUNTING SCREWS
☒ MOUNTING BASE
☒ SCREWS
☒ FINISH
☒ CLARITY

ITEM

STOCK ASSEMBLY

☒ STOCK
☒ SLING AWIVEL STUDS
☒ ADJUSTABLE
☒ BUTT PLATE
☒ LOCK NUTS
☒ BARREL CLEARANCE
☒ COLOR / FINISH

SYSTEMS CASE

☐ SCOPE CASE
☐ IRON SIGHTS
☐ DEPLOYMENT KIT

TRIGGER ASSEMBLY

☒ SAFETY OPERATION
☒ RE-SET TO FACTORY SPECS

COMMENTS:

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

R & E NUMBER	61125		
SERIAL NUMBER	C6522290		
LOG-IN DATE	2-5-03		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	2-10-03	RW
560 A	RE-BARREL	2-11-03	RTL
B	DRILL AND TAP	2-20-03	TRW
575	ASSEMBLE	2-13-03	RTL
600	PROOF	2-13-03	AC
605	CHECK HEADSPACE	2-13-03	AC
610	DIS-ASSEMBLE GUN	2-14-03	RTL
612	MAGNAFLUX		
615	ROLLMARK CALIBER	2/19/03	LB
618	ROTO-BLAST	2-26-03	JA
620	APPLY COATINGS	3-3	JA
625 A	FINAL ASSEMBLY	3-6-03	RTL
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	3-7-03	RW
655	FINAL INSPECT	3-10-03	RZ
660	PACK	3-10-03	JA
		SHIP DATE	
	QAR INSPECTION DATE		

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6522290
8 Sep 1990

CENTROIDAL DISTANCES

0 TO	1	.0005
1 TO	2	.260931
1 TO	3	.338895
1 TO	4	.635423
1 TO	5	.254002

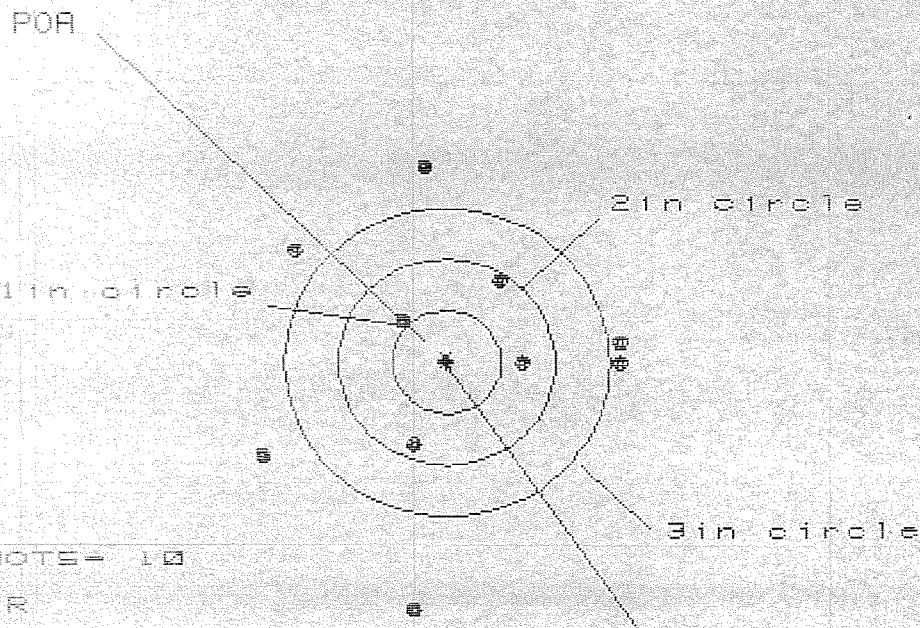
21
4
←----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0994
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.2116
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .233784
THE AMR FOR THIS RIFLE IS: 1.274

8 Sep 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C6522290

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1in = 0

2in = 4

3in = 4

HS= 3.335

VS= 4.243

GS= 4.243

CENTROID #

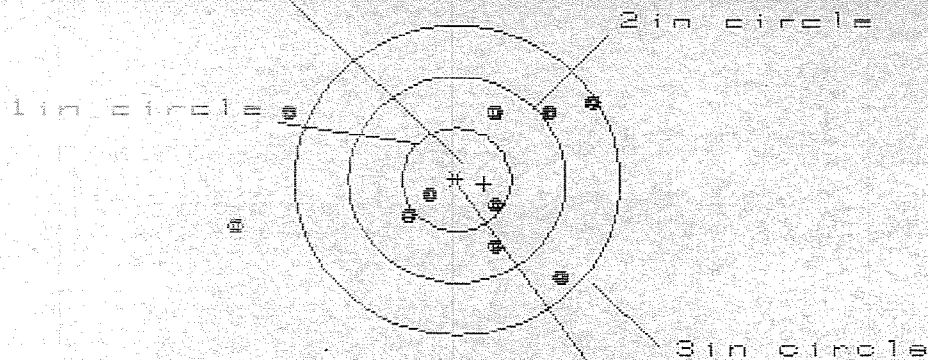
PATTERN #	:	1	2	3
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.624	1.594	1.377
MINIMUM X	:	-1.711	-1.741	-1.679
MAXIMUM Y	:	1.856	1.590	1.439
MINIMUM Y	:	-2.387	-1.207	-1.263
CENTROID X	:	.004	.034	.251
CENTROID Y	:	.003	.268	.419
POA TO CENTROID in.	:	.005	.270	.488
MIN RADIUS	:	.534	.442	.419
MEAN RADIUS	:	1.416	1.275	1.137
MAX RADIUS	:	2.402	2.118	1.795
HORIZONTAL SPREAD	:	3.335	3.335	3.056
VERTICAL SPREAD	:	4.243	2.797	2.702
EXTREME SPREAD	:	4.243	3.523	3.174
NUMBER IN ONE INCH CIRCLE	=	0		
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=			4

8 Sep 1990

FILE:/PATTERNING/CENTERFIRE_PATT/06522290

CENTERFIRE PATTERNS # 2

POA



OF SHOTS = 10

IN CIR

1 in = 2

2 in = 5

3 in = 3

CENTROID *

HS = 3.333

VS = 1.702

GS = 3.546

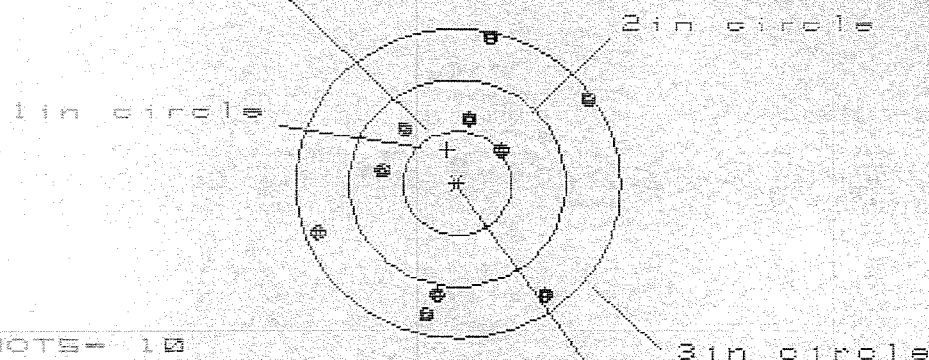
PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.302	1.077	.857
MINIMUM X	:	-2.030	-1.757	-1.885
MAXIMUM Y	:	.760	.710	.786
MINIMUM Y	:	-.942	-.992	-.916
CENTROID X	:	-.254	-.028	.192
CENTROID Y	:	.042	.092	.016
POA TO CENTROID in.	:	.257	.096	.192
MIN RADIUS	:	.286	.301	.178
MEAN RADIUS	:	1.054	.918	.779
MAX RADIUS	:	2.079	1.860	1.163
HORIZONTAL SPREAD	:	3.332	2.834	1.742
VERTICAL SPREAD	:	1.702	1.702	1.702
EXTREME SPREAD	:	3.546	2.986	2.082
NUMBER IN ONE INCH CIRCLE =			2	
NUMBER IN TWO INCH CIRCLE =			5	
NUMBER IN THREE INCH CIRCLE =			7	

8 Sep 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C6522290

CENTERFIRE PATTERNS # 3

POA



OF SHOTS = 10

IN CIR

1in = 4

2in = 4

3in = 2

HS = 2.527

VS = 2.646

GS = 2.856

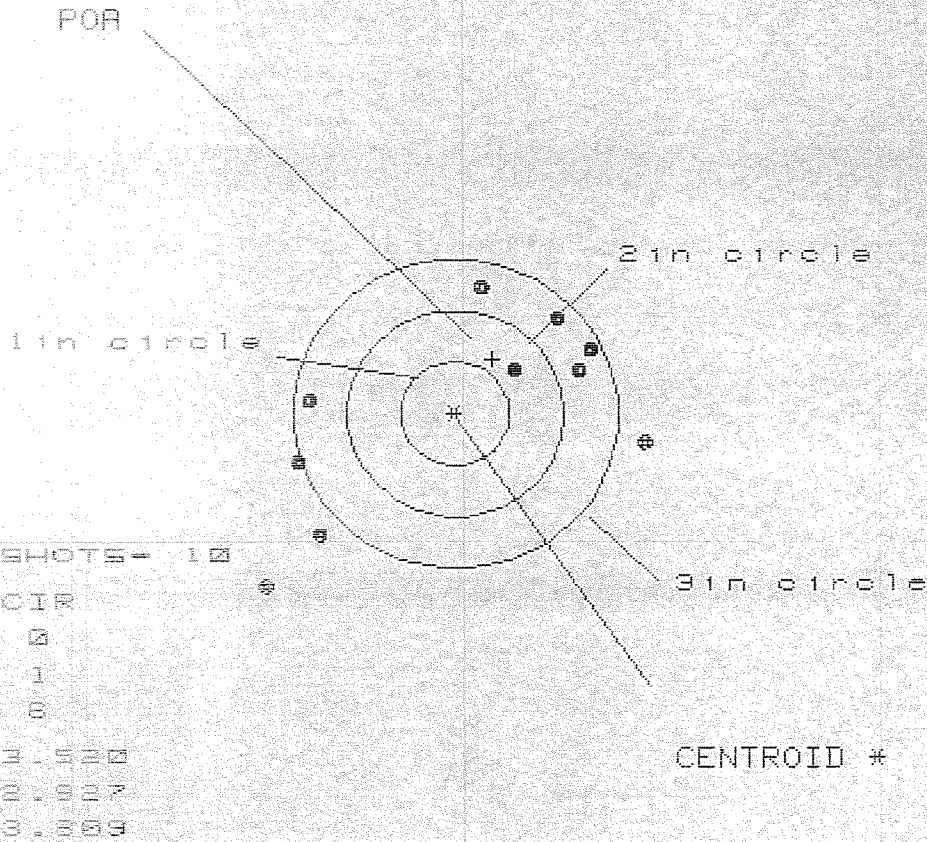
CENTROID *

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.240	.984	1.044
MINIMUM X	:	-1.287	-1.149	-1.089
MAXIMUM Y	:	1.413	1.504	.940
MINIMUM Y	:	-1.233	-1.142	-.954
CENTROID X	:	.093	-.045	-.105
CENTROID Y	:	-.324	-.415	-.603
POA TO CENTROID in.	:	.337	.417	.612
MIN RADIUS	:	.539	.582	.614
MEAN RADIUS	:	1.067	1.013	.939
MAX RADIUS	:	1.487	1.579	1.301
HORIZONTAL SPREAD	:	2.527	2.133	2.133
VERTICAL SPREAD	:	2.646	2.646	1.894
EXTREME SPREAD	:	2.856	2.730	2.202
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		10	

6 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6522290

CENTERFIRE PATTERNS # 4

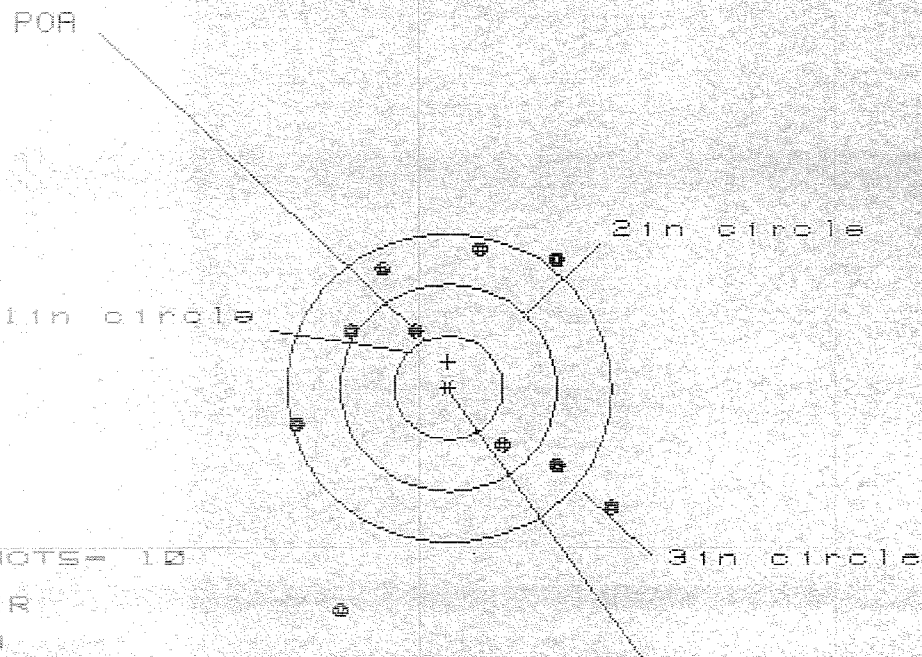


PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.763	1.568	1.295
MINIMUM X	:	-1.757	-1.627	-1.431
MAXIMUM Y	:	1.225	1.036	.980
MINIMUM Y	:	-1.702	-1.404	-1.460
CENTROID X	:	-.345	-.150	-.346
CENTROID Y	:	-.528	-.339	-.283
POA TO CENTROID in.	:	.631	.371	.447
MIN RADIUS	:	.677	.408	.566
MEAN RADIUS	:	1.473	1.289	1.264
MAX RADIUS	:	2.446	2.027	1.932
HORIZONTAL SPREAD	:	3.520	3.195	2.726
VERTICAL SPREAD	:	2.927	2.440	2.440
EXTREME SPREAD	:	3.809	3.206	3.126
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		1	
NUMBER IN THREE INCH CIRCLE	=		6	

8 Sep 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C0522290

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1in = 0

2in = 2

3in = 7

HS= 2.824

VS= 3.490

GS= 3.893

CENTROID #

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.451	1.339	1.029
MINIMUM X	:	-1.373	-1.485	-1.317
MAXIMUM Y	:	1.379	1.145	.978
MINIMUM Y	:	-2.111	-1.334	-1.183
CENTROID X	:	.005	.117	-.051
CENTROID Y	:	-.251	-.017	.150
POA TO CENTROID in.	:	.251	.118	.159
MIN RADIUS	:	.620	.497	.262
MEAN RADIUS	:	1.358	1.216	1.080
MAX RADIUS	:	2.338	1.891	1.568
HORIZONTAL SPREAD	:	2.824	2.824	2.346
VERTICAL SPREAD	:	3.490	2.479	2.161
EXTREME SPREAD	:	3.893	3.049	2.861
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		2	
NUMBER IN THREE INCH CIRCLE	=		7	




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

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

MODEL 700™ H24

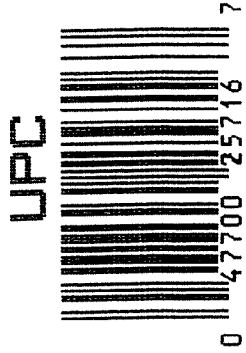
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.

SERIAL NO.

C6522290

ORDER NO.

5716



M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C 6522290

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		8/1/90	KS
600	Proof		8/1/90	KS
607	Check Headspace		8/1/90	KS
610	Dis-assemble Gun		8/1/90	KS
612	Magnaflux Barrel Action		8/7/90	KR
	Magnaflux Bolt		8/7/90	KR
615	Rollmark Caliber		8/7/90	KR
617	Drill and Tap Sight Holes		8/10/90	FB
618	Polish Barrel RB		8/14/90	WB
620	Apply Coatings (Barrel Action)		8/27/90	DA
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly			
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head			
	C) Inspect Ejector Hole for Chamfer			
	D) Oil Firing Pin Ass'y			
	E) Adjust Trigger Pull to Min Setting and Stake		9/6/90	WB

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4 3/4	4 3/4	4 3/4			9/6/90	WB
	G) Safety Off Force	3	3	3			9/6/90	WB
	H) Trigger Pull Test & Retainability						9/6/90	WB
	I) Firing Pin Indent	.0235	.023	.023			9/6/90	WB
	J) Assemble Stock						9/6/90	KS
	K) Assemble Swivel Studs						9/9/90	938
	L) Attach Front and Rear Sight Assemblies						9/6/90	KS
	M) Iron Sight Alignment						9/6/90	KS
	N) Detach Front & Rear Sights & place in numbered container						9/6/90	KS
	O) Attach Scope to Rifle						9/6/90	KS
	P) Detach & Attach Scope 20 Times						9/6/90	KS
640	Gallery Target & Test						9/8/90	KJ
	A) Time						9/8/90	K2
	B) Malfunctions						9/8/90	KJ
	C) Pierced Primers						9/8/90	1P2
	D) Optical Clarity of Scope						9/8/90	1P2
645	Inspect for Live Ammo						9/8/90	KJ
655	Final Inspection							
	A) Headspace						9/9/90	938
	B) Trigger Pull	275	274	269	274	279	9/9/90	938
	C) Function						9/9/90	938
660	Pack						9-18-90	938

SWS TRIGGER PULL TEST

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

SERIAL NO. C 6527290
DATE 9/6/90
TESTER WB

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.49	2.50	2.54	2.75	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.46	2.52	2.61	2.74	
PULL #3	2.43	2.45	2.65	2.69	
PULL #4	2.41	2.46	2.68	2.74	
PULL #5	2.39	2.48	2.65	2.79	
TOTAL	12.18	12.41	13.13		
AVG.	2.43	2.48	2.62		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.07	3.13		
PULL #2	3.13	3.14		
PULL #3	3.15	3.15		
PULL #4	3.11	3.15		
PULL #5	3.13	3.15		
TOTAL	15.59	15.72		
AVG.	3.12	3.14		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.09	4.13		4.08
PULL #2	4.08	4.18		4.09
PULL #3	4.15	4.16		4.12
PULL #4	4.08	4.17		4.12
PULL #5	4.10	4.19		4.08
TOTAL	20.50	20.83		20.49
AVG.	4.10	4.16		4.10