

C6611739

MODEL 700™ M24

Model SWS™

Action _____

Barrel Length _____

Capacity _____

Order No. 5715

*Includes 1 in chamber.

Remington

Repair Inquiry

Repair Number: **RE00092659**

Serial: C6611739 Model: M24 SWS Center Fire
Caliber: 7.62 NATO

Repairman:

Status:

Closed 2/8/2005 7:41:15 AM

Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name: DEF DIST DEPOT ANNISTON

DEF DIST DEPOT ANNISTON

Address 1:

Address 2:

PO Box:

PO Box:

City: ANNISTON

ANNISTON

State: AL

Zip Code: 362014199

Country: US

State: AL

Zip Code: 362014199

Country: US

FFL:

Contact / Condition

Problems

Estimate

History / Status

Shipping / Billing

Contact Information

Phone:

Fax:

Email:

Comments:

Received Condition

Good

Condition Notes:

CSR Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	3
A010	Hard Case	1
A017	Scope Base	1
A026	Scope	1
A057	Fit and Rear Sgt Base	1

Repair Search

Refresh

Close

maglet

2/8/2005

9:40 AM

CAPS

NUM

INS

SCPL

start

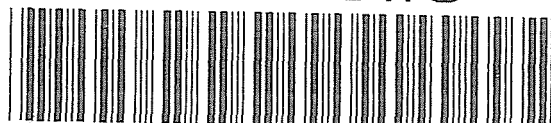
3

Arms Services P

4

Serial Number: **C6611739**

Model: **M24 SWS**



RE00092659

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6611739.___0

FILE DATE AND TIME: 03/10/2005 07:57

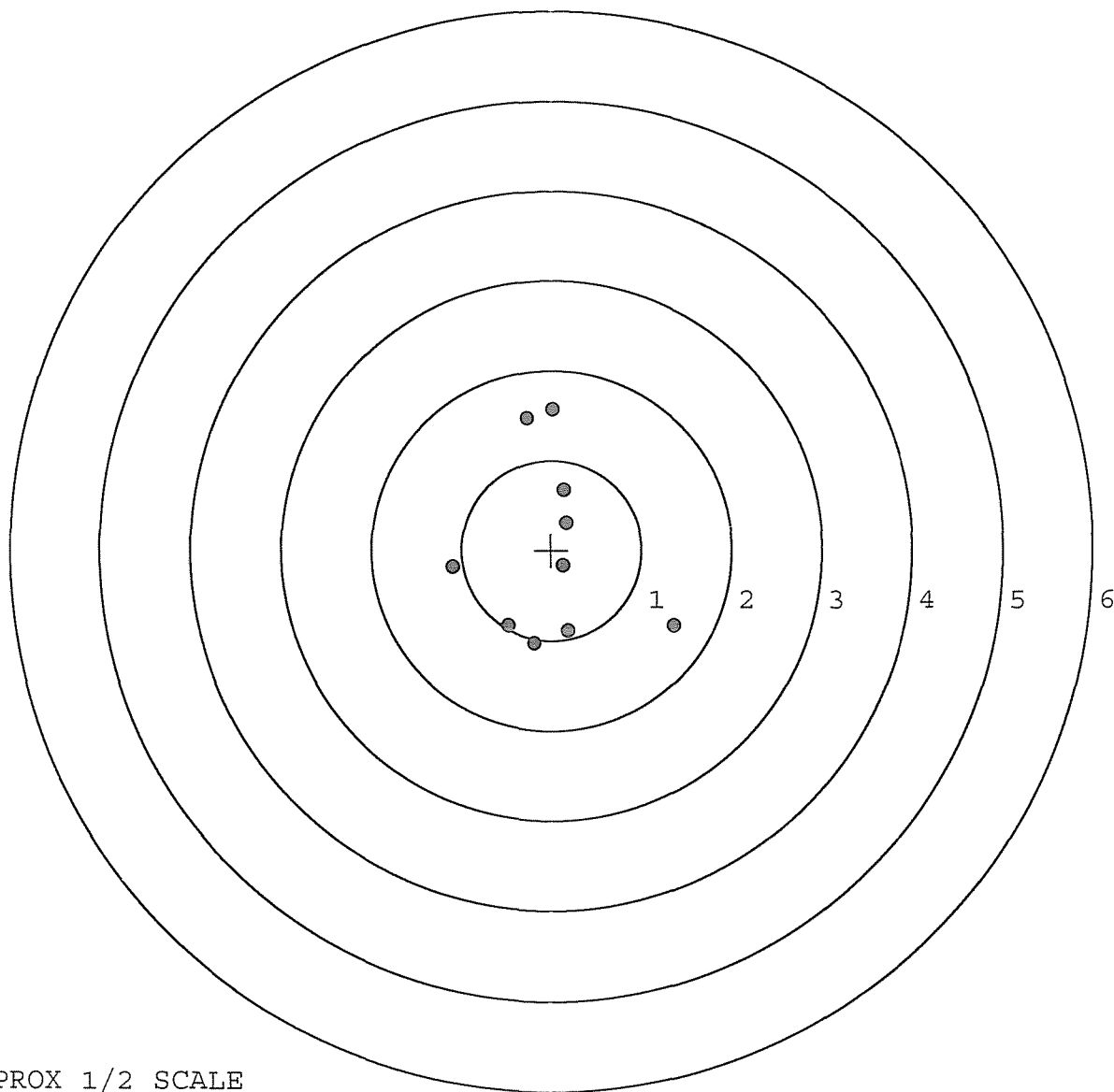
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.055
The Average Y Centroid of the Five Target Set:	-0.044
The Average Point of Impact of the Five Target Set:	0.070
The Average Mean Radius of the Five Target Set:	1.002
The Distance from POA to Centroid Target #1:	0.007
The Distance from Centroid Target #2 to Centroid Target #1:	0.219
The Distance from Centroid Target #3 to Centroid Target #1:	0.077
The Distance from Centroid Target #4 to Centroid Target #1:	0.220
The Distance from Centroid Target #5 to Centroid Target #1:	0.294

SERIAL NUMBER: C6611739. __0
 TARGET NUMBER: 1
 FILE DATE: 03/10/2005
 FILE TIME: 07:57

X CENTROID: -0.007
 Y CENTROID: 0.002
 POA TO CENTROID: 0.007
 HORZ SPREAD: 2.454
 VERT SPREAD: 2.605
 GROUP SPREAD: 2.825
 MIN RADIUS: 0.223
 MAX RADIUS: 1.600
 MEAN RADIUS: 0.996
 # IN 1 IN DIAMETER: 2
 # IN 2 IN DIAMETER: 5
 # in 3 IN DIAMETER: 8

POINT#	X	Y
1:	1.356	-0.837
2:	0.186	-0.895
3:	-0.196	-1.038
4:	-0.484	-0.842
5:	0.128	-0.175
6:	0.162	0.302
7:	0.140	0.671
8:	-1.098	-0.199
9:	0.017	1.567
10:	-0.278	1.467

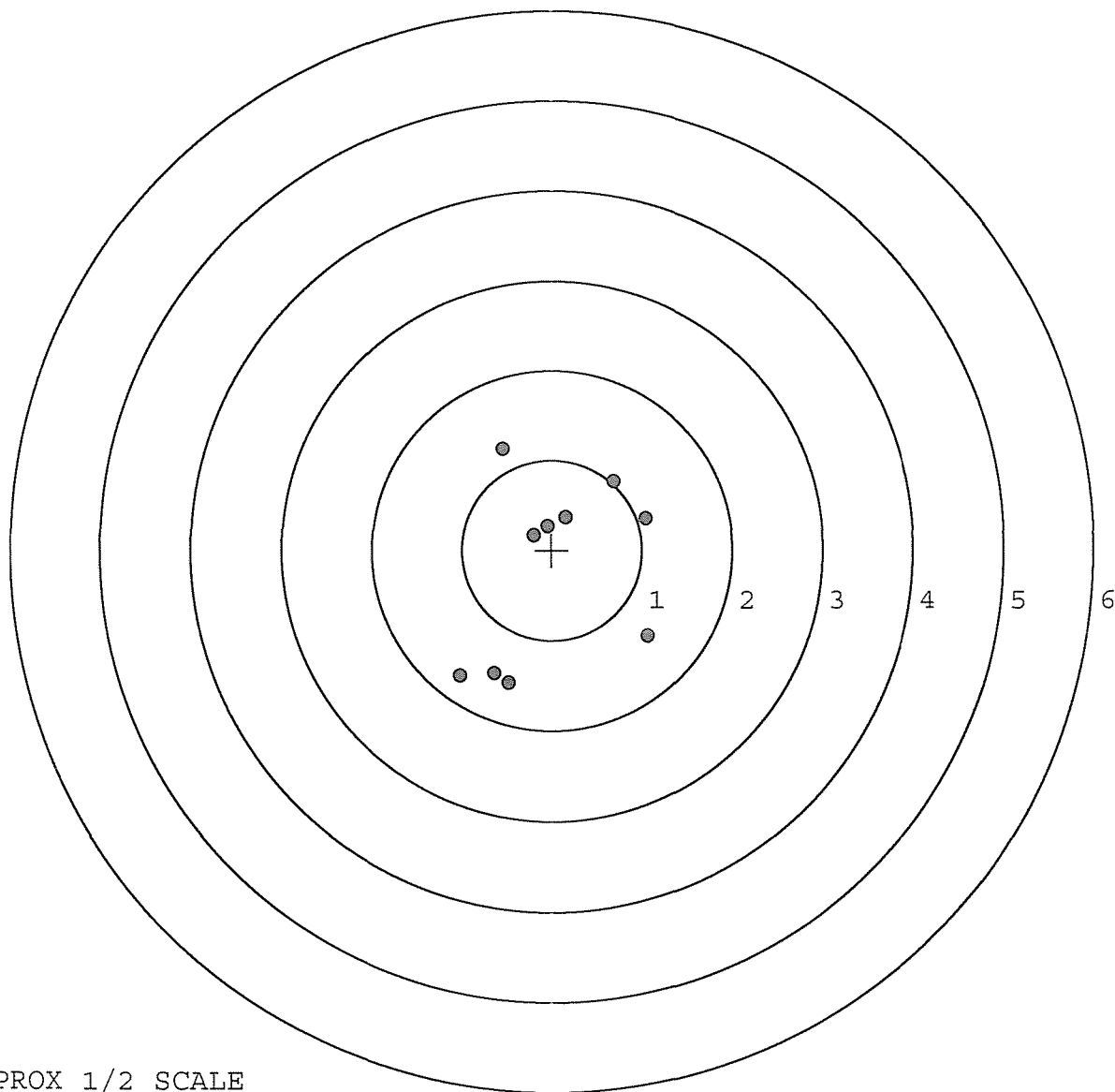


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611739. 0
TARGET NUMBER: 2
FILE DATE: 03/10/2005
FILE TIME: 07:57

X CENTROID: -0.001
Y CENTROID: -0.217
POA TO CENTROID: 0.217
HORZ SPREAD: 2.085
VERT SPREAD: 2.597
GROUP SPREAD: 2.759
MIN RADIUS: 0.427
MAX RADIUS: 1.560
MEAN RADIUS: 1.088
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 3
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	1.041	0.353
2:	0.692	0.766
3:	0.149	0.364
4:	-0.054	0.266
5:	-0.203	0.160
6:	-0.552	1.123
7:	1.064	-0.958
8:	-0.485	-1.474
9:	-0.644	-1.369
10:	-1.021	-1.397

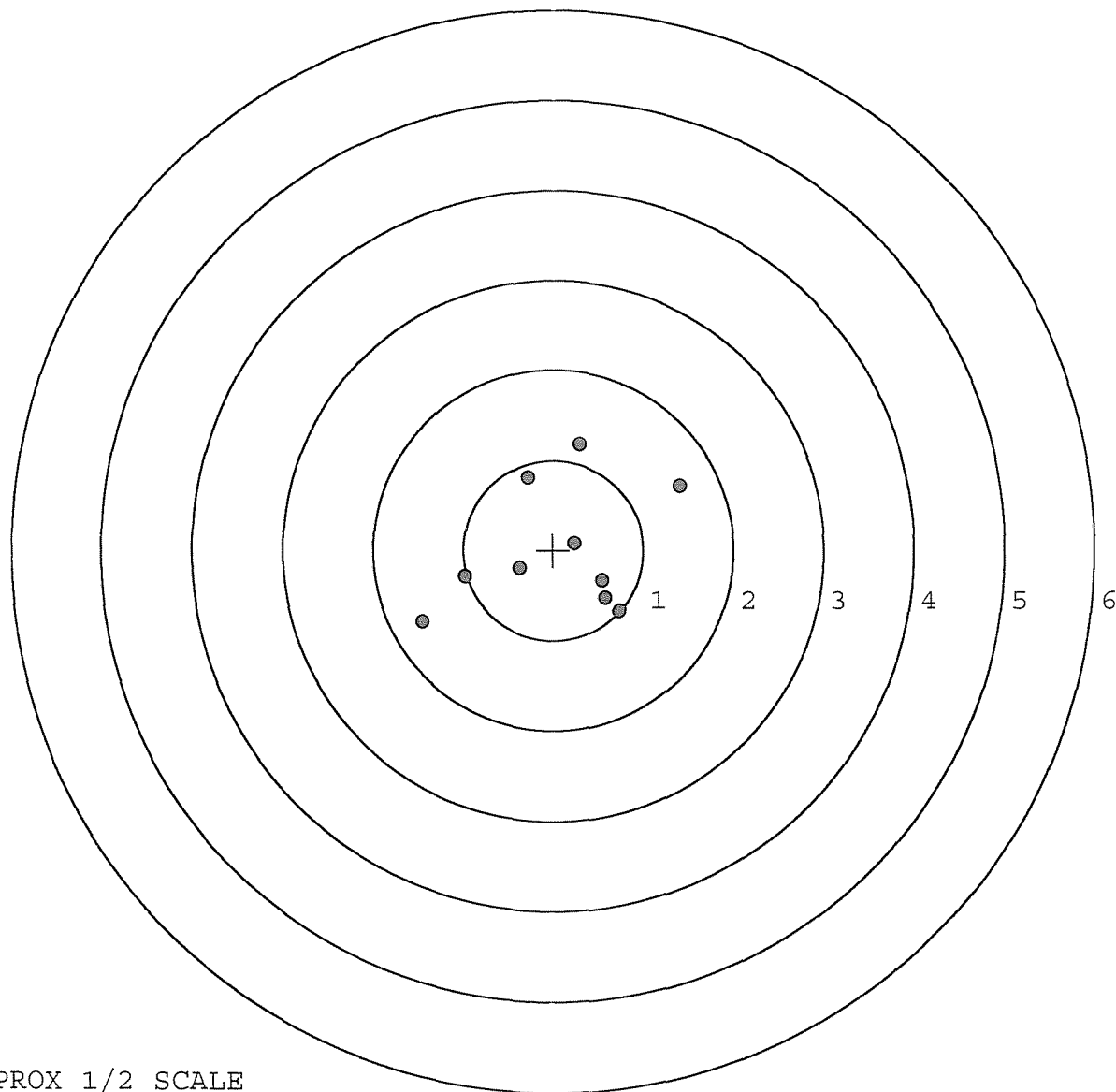


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611739. __0
TARGET NUMBER: 3
FILE DATE: 03/10/2005
FILE TIME: 07:57

X CENTROID: 0.070
Y CENTROID: -0.007
POA TO CENTROID: 0.070
HORZ SPREAD: 2.850
VERT SPREAD: 1.981
GROUP SPREAD: 3.235
MIN RADIUS: 0.188
MAX RADIUS: 1.715
MEAN RADIUS: 0.936
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 8

POINT#	X	Y
1:	0.740	-0.677
2:	0.576	-0.532
3:	0.545	-0.339
4:	0.239	0.075
5:	-0.379	-0.206
6:	-0.983	-0.296
7:	-1.448	-0.806
8:	1.402	0.725
9:	0.290	1.175
10:	-0.286	0.810



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611739. 0

TARGET NUMBER: 4

FILE DATE: 03/10/2005

FILE TIME: 07:57

X CENTROID: 0.016

Y CENTROID: -0.216

POA TO CENTROID: 0.217

HORZ SPREAD: 1.824

VERT SPREAD: 3.320

GROUP SPREAD: 3.750

MIN RADIUS: 0.168

MAX RADIUS: 2.050

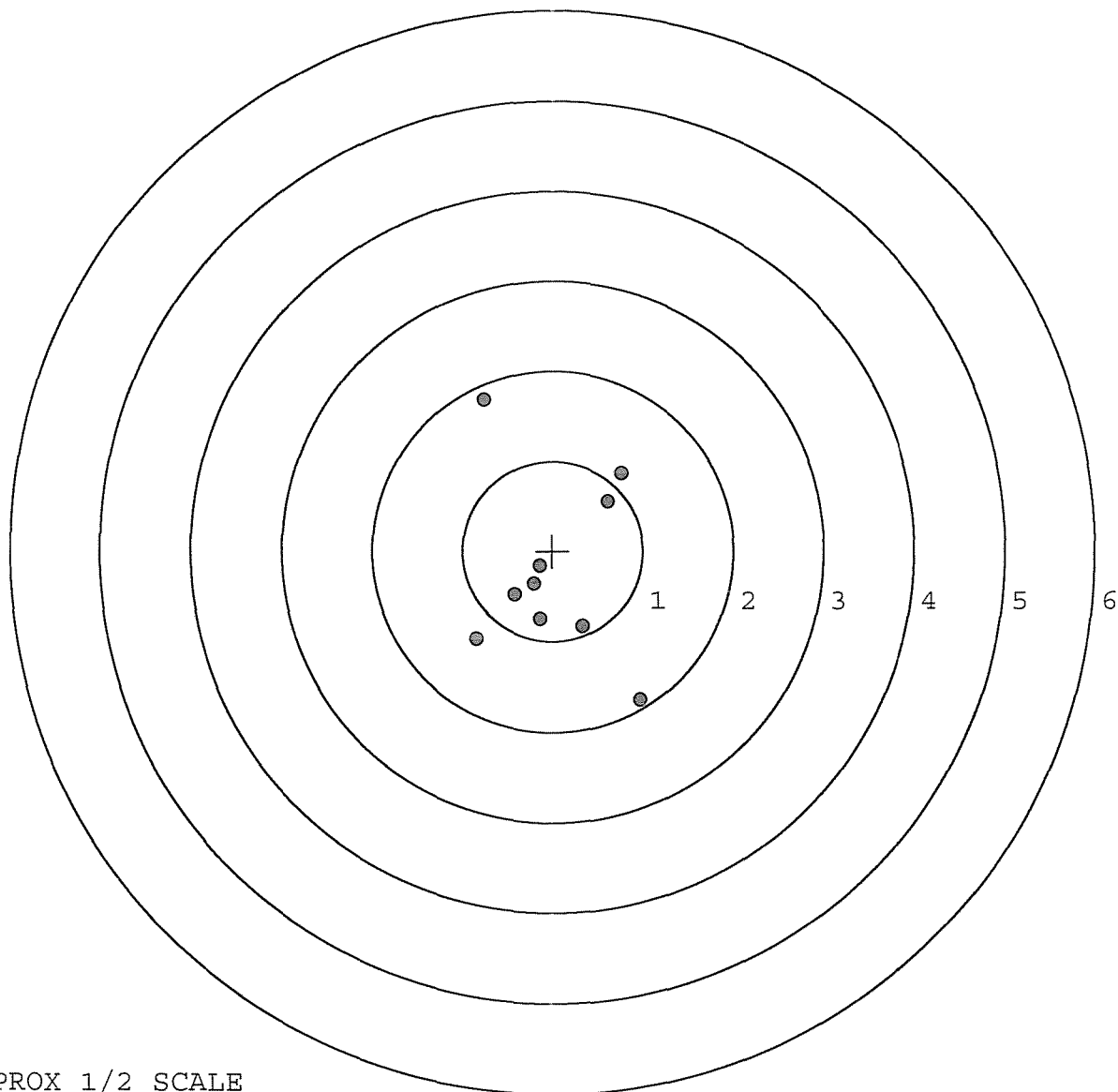
MEAN RADIUS: 0.944

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 8

POINT#	X	Y
1:	0.979	-1.641
2:	0.335	-0.843
3:	-0.135	-0.766
4:	-0.420	-0.493
5:	-0.211	-0.371
6:	-0.145	-0.171
7:	-0.845	-0.981
8:	0.609	0.555
9:	0.762	0.870
10:	-0.764	1.679

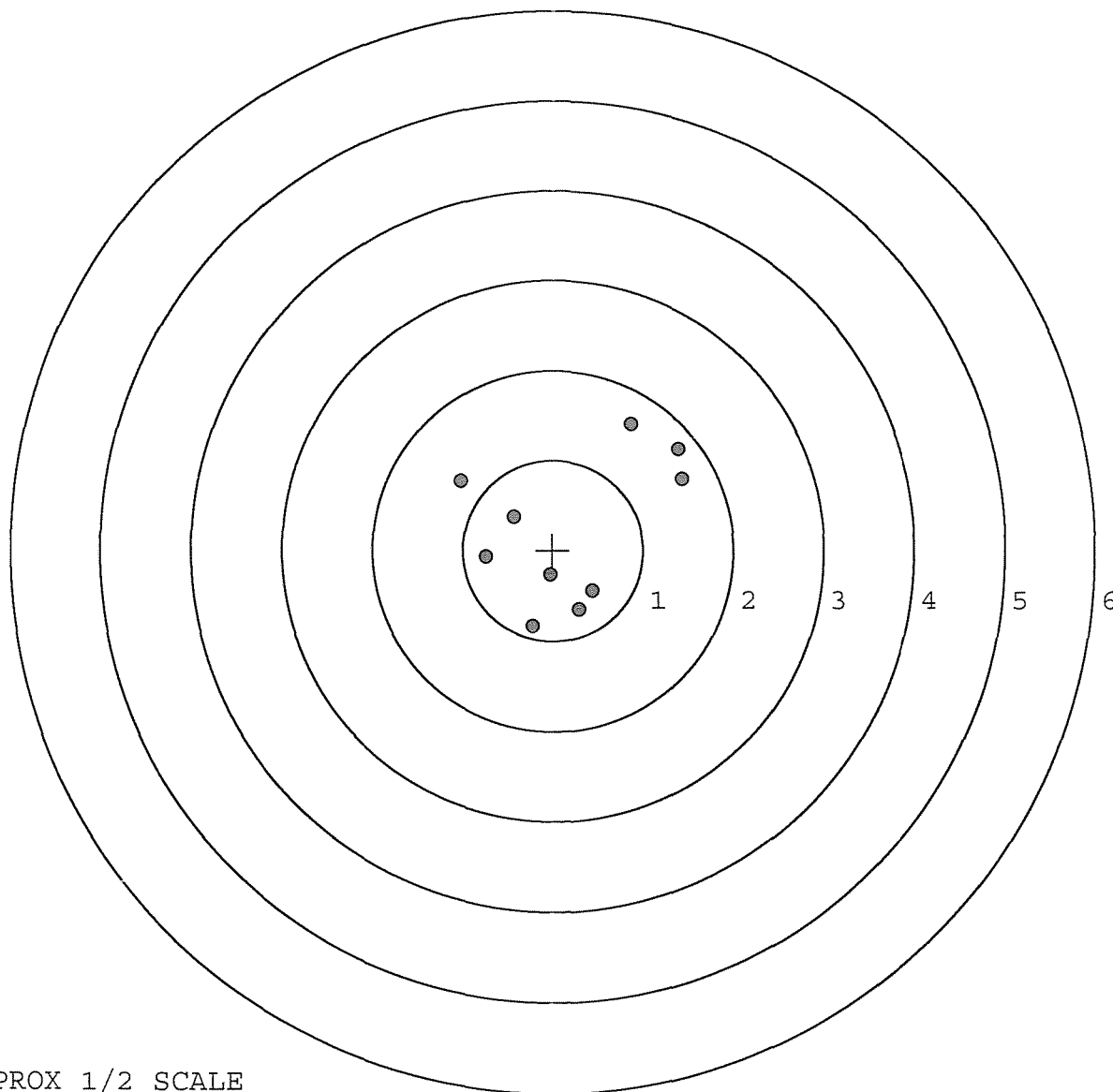


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611739. __0
TARGET NUMBER: 5
FILE DATE: 03/10/2005
FILE TIME: 07:57

X CENTROID: 0.195
Y CENTROID: 0.216
POA TO CENTROID: 0.291
HORZ SPREAD: 2.458
VERT SPREAD: 2.246
GROUP SPREAD: 2.556
MIN RADIUS: 0.544
MAX RADIUS: 1.506
MEAN RADIUS: 1.047
IN 1 IN DIAMETER: 0
IN 2 IN DIAMETER: 5
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	1.433	0.798
2:	1.392	1.130
3:	0.865	1.403
4:	-1.025	0.761
5:	-0.438	0.367
6:	-0.740	-0.075
7:	-0.032	-0.279
8:	0.436	-0.448
9:	-0.233	-0.843
10:	0.290	-0.657



TARGET APPROX 1/2 SCALE

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

R & E NUMBER	92659		
SERIAL NUMBER	C6611739		
LOG-IN DATE	2-8-05		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	2-11-05	RTL
560 A	RE-BARREL	2-16-05	RTL
B	DRILL AND TAP	2-17-05	TRLW
575	ASSEMBLE	2-16-05	RTL
600	PROOF	2-17-05	AC
605	CHECK HEADSPACE	2-17-05	AC
610	DIS-ASSEMBLE GUN	2-17-05	RTL
612	MAGNAFLUX		
615	ROLLMARK CALIBER	2-18-05	CW
618	ROTO-BLAST	2-18-05	
620	APPLY COATINGS	3-1-05	HP
625 A	FINAL ASSEMBLY	3-3-05	RTL
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE	3-10-05	AC
D	SAFETY "OFF" FORCE	3-10-05	AC
E	FIRING PIN INDENT	3-10-05	AC
640	TARGET	3-10-05	TRLW
655	FINAL INSPECT	3-10-05	AC
660	PACK	3-14-05	DA
		SHIP DATE	
		QAR INSPECTION DATE	




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

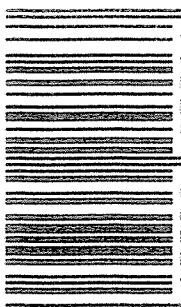
MODEL 700™ M24

SERIAL NO.
C6611739

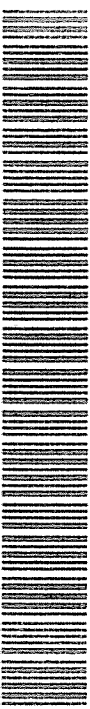
ORDER NO.
5716

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

UPC



0 47700 25716 7



5716 C6611739

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6611739

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	1 10 91		RW
600	Proof	1 10 91		RW
607	Check Headspace	1 10 91		RW
610	Dis-assemble Gun	1 10 91		RW
612	Magnaflux Barrel Action		1/16/91	KR
	Magnaflux Bolt		"	KR
615	Rollmark Caliber		"	GL
617	Drill and Tap Sight Holes	1 17 91		FB
618	Polish Barrel	1 17 91		WL
620	Apply Coatings (Barrel Action)		2-12-91	TD
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		2/19/91	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		2/19/91	RW
	C) Inspect Ejector Hole for Chamfer		2/19/91	RW
	D) Oil Firing Pin Ass'y		2/19/91	RW
	E) Adjust Trigger Pull to Min Setting and Stake		3/4/91	ML

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4.5	4	4			3/4/91	JH
	G) Safety Off Force	4	4	3			3/4/91	JH
	H) Trigger Pull Test & Retainability						3/4/91	JH
	I) Firing Pin Indent	.022	.0215	.0215			3/4/91	JH
	J) Assemble Stock						3/4/91	RW
	K) Assemble Swivel Studs						3-1-91	DH
	L) Attach Front and Rear Sight Assemblies						3/4/91	RW
	M) Iron Sight Alignment						3/4/91	RW
	N) Detach Front & Rear Sights & place in numbered container						3/4/91	RW
	O) Attach Scope to Rifle						3/4/91	RW
	P) Detach & Attach Scope 20 Times						5/4/91	RW
640	Gallery Target & Test						3-5-91	NF
	A) Time							NF
	B) Malfunctions							NF
	C) Pierced Primers							NF
	D) Optical Clarity of Scope							NF
645	Inspect for Live Ammo						3-5-91	NF
655	Final Inspection							
	A) Headspace						3-1-91	DH
	B) Trigger Pull	2.40	2.33	2.33	2.30	2.30	3/9/91	JH
	C) Function						3-1-91	DH
660	Pack						3-5-91	DH

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6611739

DATE 3/4/91

TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.49	2.42	2.40	2.40	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.55	2.43	2.44	2.33	
PULL #3	2.50	2.57	2.41	2.33	
PULL #4	2.51	2.57	2.34	2.30	
PULL #5	2.49	2.54	2.43	2.30	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.58	3.21		
PULL #2	3.22	3.22		
PULL #3	3.36	3.21		
PULL #4	3.54	3.19		
PULL #5	3.58	3.25		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.19	4.17		4.34
PULL #2	4.27	4.17		4.18
PULL #3	4.21	4.20		4.20
PULL #4	4.18	4.18		4.33
PULL #5	4.26	4.20		4.49
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6611739
6 Mar 1991

CENTROIDAL DISTANCES

0 TO 1	.188152
1 TO 2	.550041
1 TO 3	.271906
1 TO 4	.247196
1 TO 5	.655019

5
2
1
←----POA

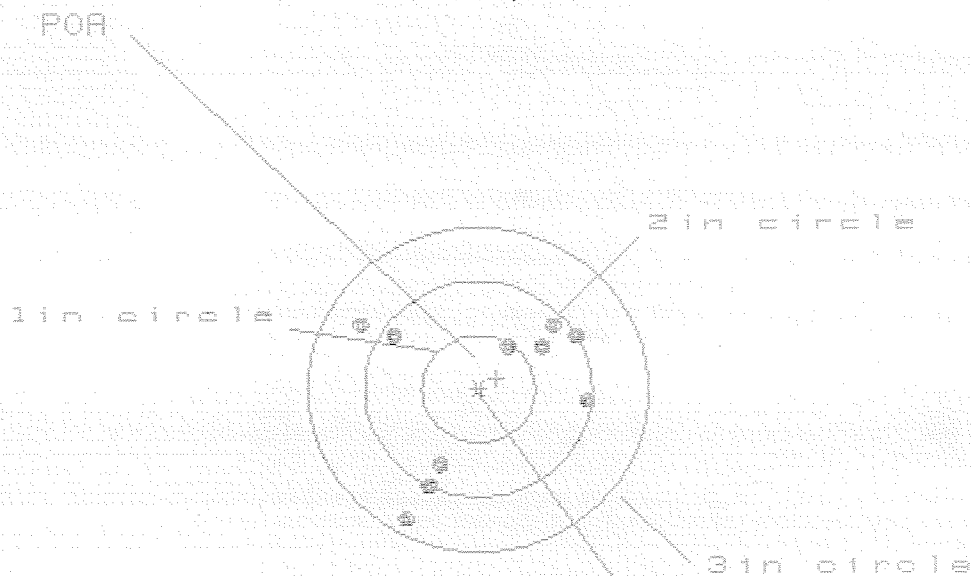
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .091
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1196
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .150284

THE AMR FOR THIS RIFLE IS: .9464

6 Mar 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8611739

CENTERFIRE PATTERNS # 1



* OF SHOTS= 10

IN CIR

1in = 0

2in = 6

3in = 10

HS= 1.967

VS= 1.789

GS= 2.300

CENTROID *

PATTERN #

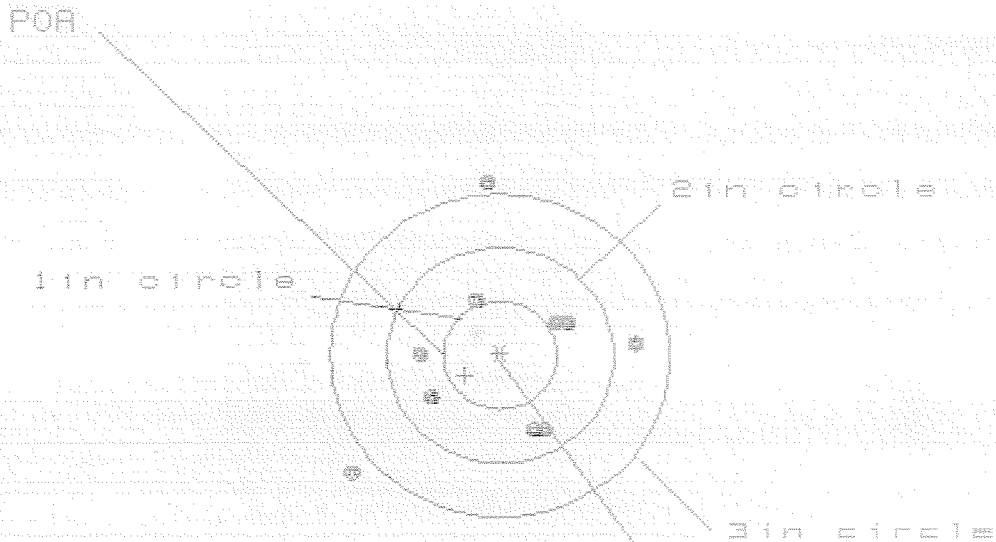
1

SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.962	.887	.752
MINIMUM X	:	-1.005	-1.000	-.992
MAXIMUM Y	:	.567	.432	.483
MINIMUM Y	:	-1.222	-1.039	-.988
CENTROID X	:	-.160	-.085	.050
CENTROID Y	:	-.099	.036	-.015
POA TO CENTROID in.	:	.188	.092	.053
MIN RADIUS	:	.516	.361	.358
MEAN RADIUS	:	.926	.842	.781
MAX RADIUS	:	1.398	1.173	1.190
HORIZONTAL SPREAD	:	1.967	1.967	1.744
VERTICAL SPREAD	:	1.789	1.471	1.471
EXTREME SPREAD	:	2.300	2.075	1.925
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

6 Mar 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611739

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1in = 0

2in = 7

3in = 8

HS= 2.463

VS= 2.745

GS= 2.973

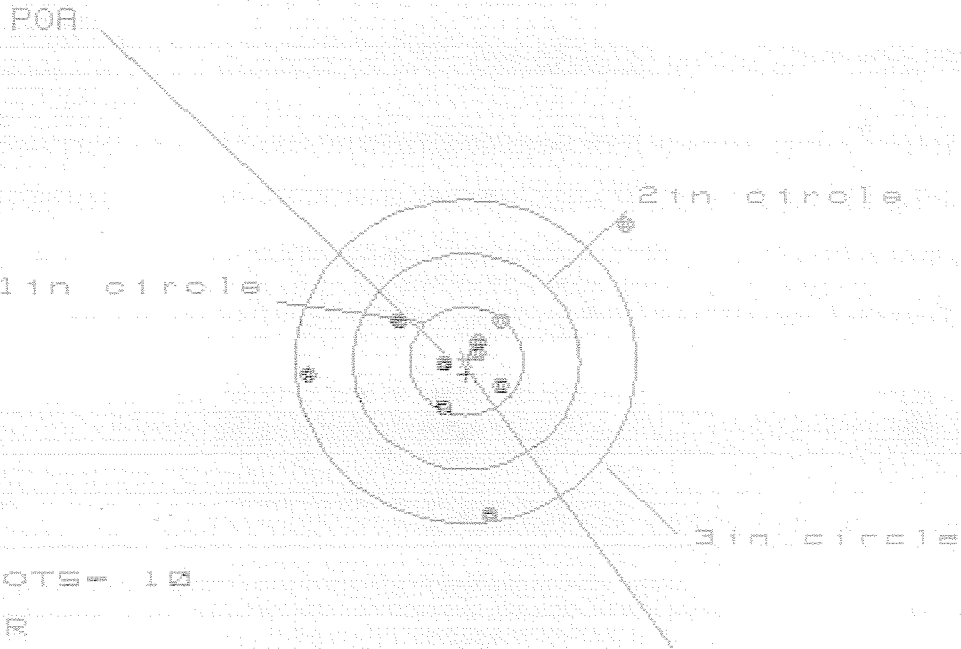
CENTROID *

PATTERN #		10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.163	1.019	.981
MINIMUM X	:	-1.300	-.805	-.843
MAXIMUM Y	:	1.620	1.495	.604
MINIMUM Y	:	-1.125	-.857	-.670
CENTROID X	:	.308	.452	.490
CENTROID Y	:	.190	.315	.128
POA TO CENTROID in.	:	.362	.551	.507
MIN RADIUS	:	.599	.442	.510
MEAN RADIUS	:	.934	.827	.726
MAX RADIUS	:	1.719	1.525	1.004
HORIZONTAL SPREAD	:	2.463	1.824	1.824
VERTICAL SPREAD	:	2.745	2.352	1.274
EXTREME SPREAD	:	2.973	2.417	1.866
NUMBER IN ONE INCH CIRCLE =	:	0		
NUMBER IN TWO INCH CIRCLE =	:		7	
NUMBER IN THREE INCH CIRCLE =	:		8	

6 Mar 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611739

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 6

2in = 7

3in = 9

HS= 2.735

VS= 2.756

GS= 3.085

CENTROID #

PATTERN #			
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.384	.440	.484
MINIMUM X	-1.351	-1.197	-1.153
MAXIMUM Y	1.306	.484	.321
MINIMUM Y	-1.450	-1.305	-.419
CENTROID X	-.003	-.157	-.202
CENTROID Y	.123	-.022	.141
POA TO CENTROID in.	.123	.159	.246
MIN RADIUS	.146	.095	.074
MEAN RADIUS	.720	.602	.491
MAX RADIUS	1.903	1.352	1.161
HORIZONTAL SPREAD	2.735	1.637	1.637
VERTICAL SPREAD	2.756	1.789	.740
EXTREME SPREAD	3.085	2.043	1.700
NUMBER IN ONE INCH CIRCLE	=	6	
NUMBER IN TWO INCH CIRCLE	=	7	
NUMBER IN THREE INCH CIRCLE	=	9	

6 Mar 1991

FILE:/PATTERNING/CENTERFIRE_PATT/CBB11739

CENTERFIRE PATTERNS

4

FOR

1in circle

2in circle

3in circle

OF SHOTS= 10

IN CIR

1in = 2

2in = 6

3in = 9

HS= 2.097

VS= 2.891

GS= 3.137

CENTROID *

PATTERN #



SHOTS (BEST OF)

10

9

8

MAXIMUM X

1.165

1.172

1.107

MINIMUM X

-.932

-.802

-.867

MAXIMUM Y

1.658

1.349

1.046

MINIMUM Y

-1.233

-1.048

-.880

CENTROID X

.081

-.049

.016

CENTROID Y

-.044

-.229

-.397

FOR TO CENTROID in.

.092

.234

.398

MIN RADIUS

.314

.165

.163

MEAN RADIUS

1.002

.808

.701

MAX RADIUS

2.027

1.464

1.523

HORIZONTAL SPREAD

2.097

1.974

1.974

VERTICAL SPREAD

2.891

2.397

1.926

EXTREME SPREAD

3.137

2.470

2.244

NUMBER IN ONE INCH CIRCLE =

2

NUMBER IN TWO INCH CIRCLE =

6

NUMBER IN THREE INCH CIRCLE =

9

6 Mar 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611739

CENTERFIRE PATTERNS

5

POA

1 in circle

2 in circle

3 in circle

OF SHOTS= 10

IN CIR

1 in = 1

2 in = 4

3 in = 7

HS= 2.068

VS= 3.265

GS= 3.355

CENTROID #

PATTERN

SHOTS (BEST OF)

10

9

8

MAXIMUM X 1.243 1.276 1.413

MINIMUM X -.825 -.792 -.655

MAXIMUM Y 2.036 1.624 1.498

MINIMUM Y -1.228 -1.002 -.993

CENTROID X .229 .196 .059

CENTROID Y .428 .202 .328

POA TO CENTROID in. .486 .282 .333

MIN RADIUS .126 .309 .323

MEAN RADIUS 1.150 1.013 .963

MAX RADIUS 2.058 1.794 1.623

HORIZONTAL SPREAD 2.068 2.068 2.068

VERTICAL SPREAD 3.265 2.626 2.491

EXTREME SPREAD 3.355 3.221 2.802

NUMBER IN ONE INCH CIRCLE = 1

NUMBER IN TWO INCH CIRCLE = 4

NUMBER IN THREE INCH CIRCLE = 7

M2400035141

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#
3.00# + .75#
4.00# + 1.00#

SERIAL NO. C6611739

DATE 11-4-95

TESTER DA

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.53	2.39	2.40		MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.40	2.37	2.43		
PULL #3	2.44	2.40	2.45		
PULL #4	2.25	2.28	2.49		
PULL #5	2.20	2.19	2.44		
TOTAL	11.82	11.63	12.21		
AVG.	2.36	2.32	2.44		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.07	2.93		
PULL #2	3.08	2.82		
PULL #3	2.94	2.80		
PULL #4	2.97	2.90		
PULL #5	2.82	2.80		
TOTAL	14.88	14.25		
AVG.	2.97	2.85		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.00	4.10	4.15	
PULL #2	4.01	3.97	4.26	
PULL #3	4.05	4.06	4.18	
PULL #4	3.98	3.94	4.17	
PULL #5	4.05	4.02	4.19	
TOTAL	20.09	20.09	20.95	
AVG.	4.01	4.01	4.19	

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C 6611739

OP. #	OP. NAME	READINGS	DATE	INITIAL
575 & 580	Assemble Action and Stock			
600	Proof			
607	Check Headspace			
610	Dis-assemble Gun			
612	Magnaflux Barrel Action			
	Magnaflux Bolt			
615	Rollmark Caliber			
617	Drill and Tap Sight Holes			
618	Polish Barrel			
620	Apply Coatings (Barrel Action)			
	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			

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4.0	4.5	4.0			12-13-95	DA
	G) Safety Off Force	2.5	2.5	2.5			12-13-95	DA
	H) Trigger Pull Test & Retainability							
	I) Firing Pin Indent							
	J) Assemble Stock							
	K) Assemble Swivel Studs							
	L) Attach Front and Rear Sight Assemblies							
	M) Iron Sight Alignment							
	N) Detach Front & Rear Sights & place in numbered container							
	O) Attach Scope to Rifle							
	P) Detach & Attach Scope 20 Times							
640	Gallery Target & Test							
	A) Time							
	B) Malfunctions							
	C) Pierced Primers							
	D) Optical Clarity of Scope							
645	Inspect for Live Ammo							
655	Final Inspection A) Headspace							
	B) Trigger Pull	2.52	2.54	2.59	2.61	2.59	12-13-95	DA
	C) Function							
660	Pack							