

C5611727

MODEL 700™ M24

Model **SWS**™

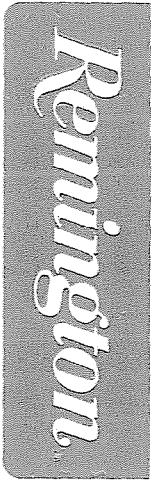
Action

Barrel Length

Capacity

Order No. **5716**

* Includes 1 in chamber.



BARBER - M24 0034904

File Add Repair Estimate Repair Expedite Repair Inquiry Repair Tools CSR Tools Reports Table Maintenance System Maintenance Help

Repair Inquiry

Repair Number: **RE00092910** Serial: C6611727 Model: M24 SWS Center Fire Caliber: 7.62 NATO Produced: 03/13/1991 Repairman: Status: Closed 2/10/2005 11:33:28 AM

Address Information

Customer: DEF DIST DEPOT ANNISTON Received From: DEF DIST DEPOT ANNISTON Return To: DEF DIST DEPOT ANNISTON

Address 1: Address 2: PO Box: City: ANNISTON 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	Frt and Rear Sgt Base	1

Repair Search Refresh Close

mag atj 2/14/2005 9:23 AM CAPS NUM HNS SCPS

start 5 2 4 ARMS SERVICE

Serial Number: **C6611727**

Model: **M24 SWS**



RE00092910

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6611727.___0
FILE DATE AND TIME: 07/07/2005 07:55

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.066
The Average Y Centroid of the Five Target Set:	-0.164
The Average Point of Impact of the Five Target Set:	0.177
The Average Mean Radius of the Five Target Set:	0.952
The Distance from POA to Centroid Target #1:	0.163
The Distance from Centroid Target #2 to Centroid Target #1:	0.374
The Distance from Centroid Target #3 to Centroid Target #1:	0.124
The Distance from Centroid Target #4 to Centroid Target #1:	0.571
The Distance from Centroid Target #5 to Centroid Target #1:	0.342

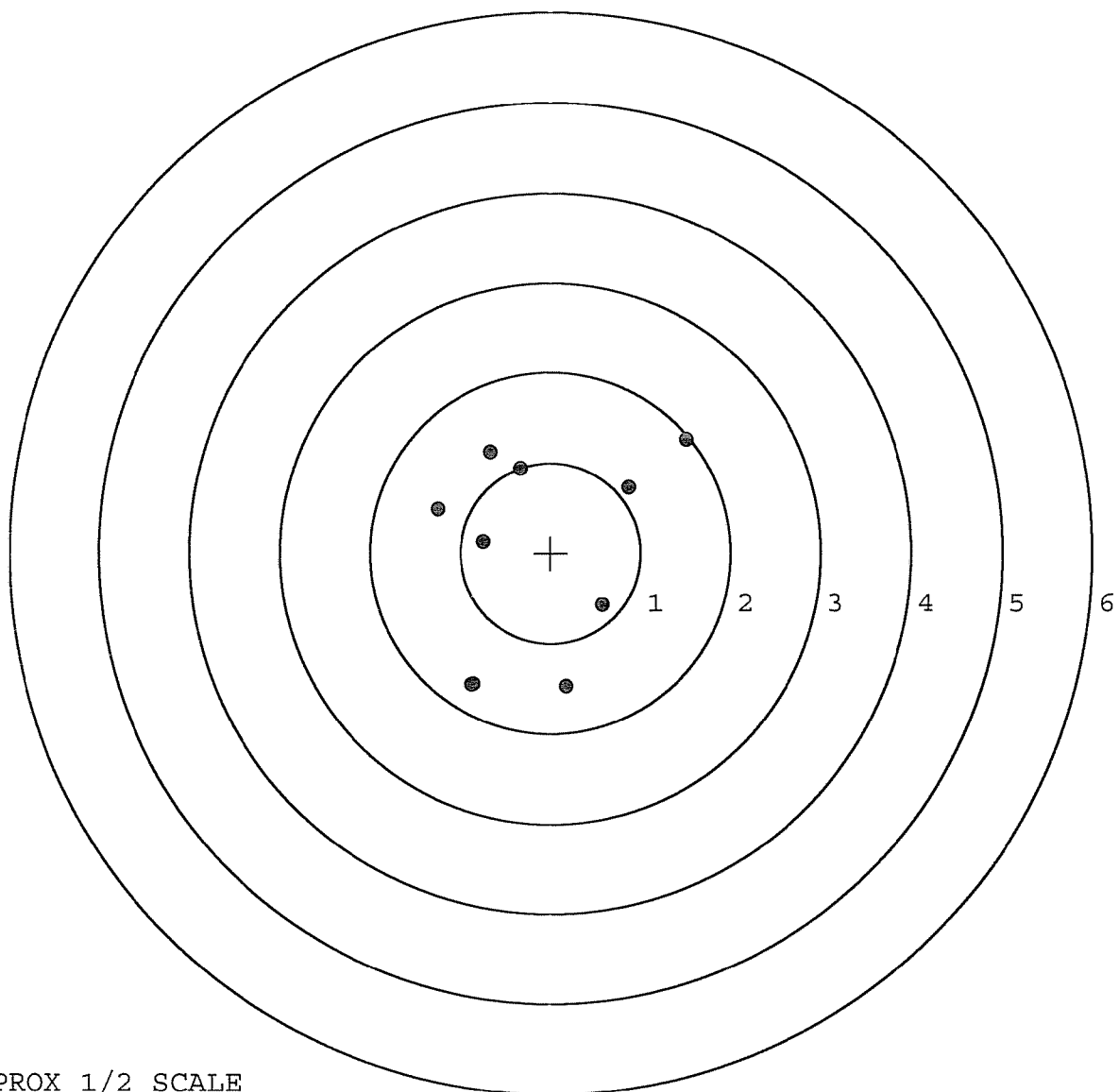
BARBER - M24 0034906

SERIAL NUMBER: C6611727. __0
TARGET NUMBER: 1
FILE DATE: 07/07/2005
FILE TIME: 07:55

X CENTROID: -0.160
Y CENTROID: -0.034
POA TO CENTROID: 0.163
HORZ SPREAD: 2.764
VERT SPREAD: 2.742
GROUP SPREAD: 3.618
MIN RADIUS: 0.613
MAX RADIUS: 2.112
MEAN RADIUS: 1.305

IN 1 IN DIAMETER: 0
IN 2 IN DIAMETER: 3
in 3 IN DIAMETER: 7

POINT#	X	Y
1:	-0.753	0.121
2:	-0.335	0.940
3:	-0.669	1.117
4:	-1.251	0.483
5:	-0.874	-1.463
6:	0.580	-0.577
7:	1.513	1.256
8:	0.873	0.728
9:	-0.857	-1.456
10:	0.178	-1.486



TARGET APPROX 1/2 SCALE

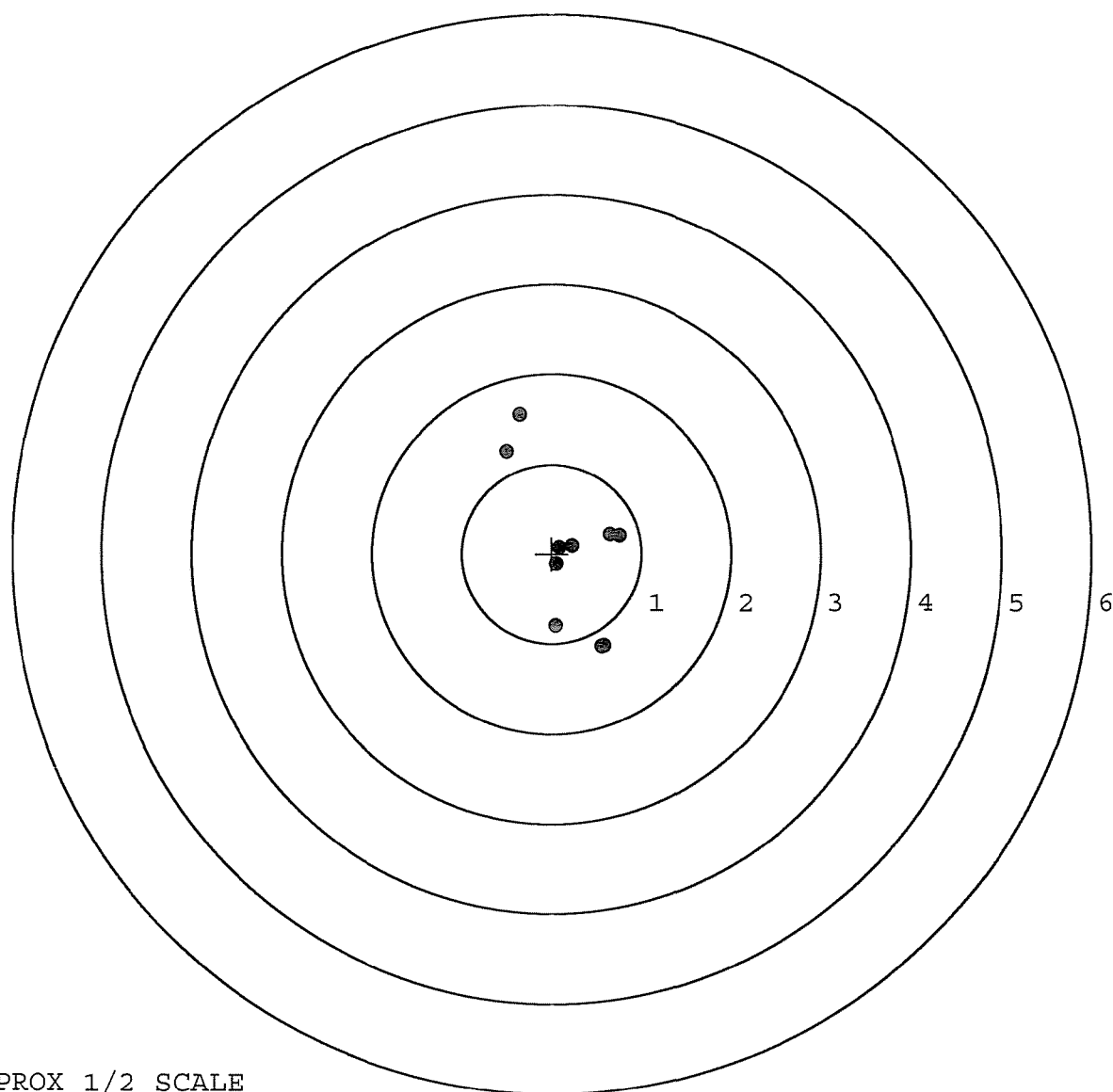
BARBER - M24 0034907

SERIAL NUMBER: C6611727.____0
TARGET NUMBER: 2
FILE DATE: 07/07/2005
FILE TIME: 07:55

X CENTROID: 0.209
Y CENTROID: 0.028
POA TO CENTROID: 0.211
HORZ SPREAD: 1.264
VERT SPREAD: 2.587
GROUP SPREAD: 2.748
MIN RADIUS: 0.069
MAX RADIUS: 1.626
MEAN RADIUS: 0.753

IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.045	-0.813
2:	0.556	-1.037
3:	0.586	-1.029
4:	0.760	0.201
5:	-0.362	1.550
6:	0.081	0.072
7:	0.049	-0.116
8:	0.233	0.093
9:	0.650	0.216
10:	-0.504	1.144



TARGET APPROX 1/2 SCALE

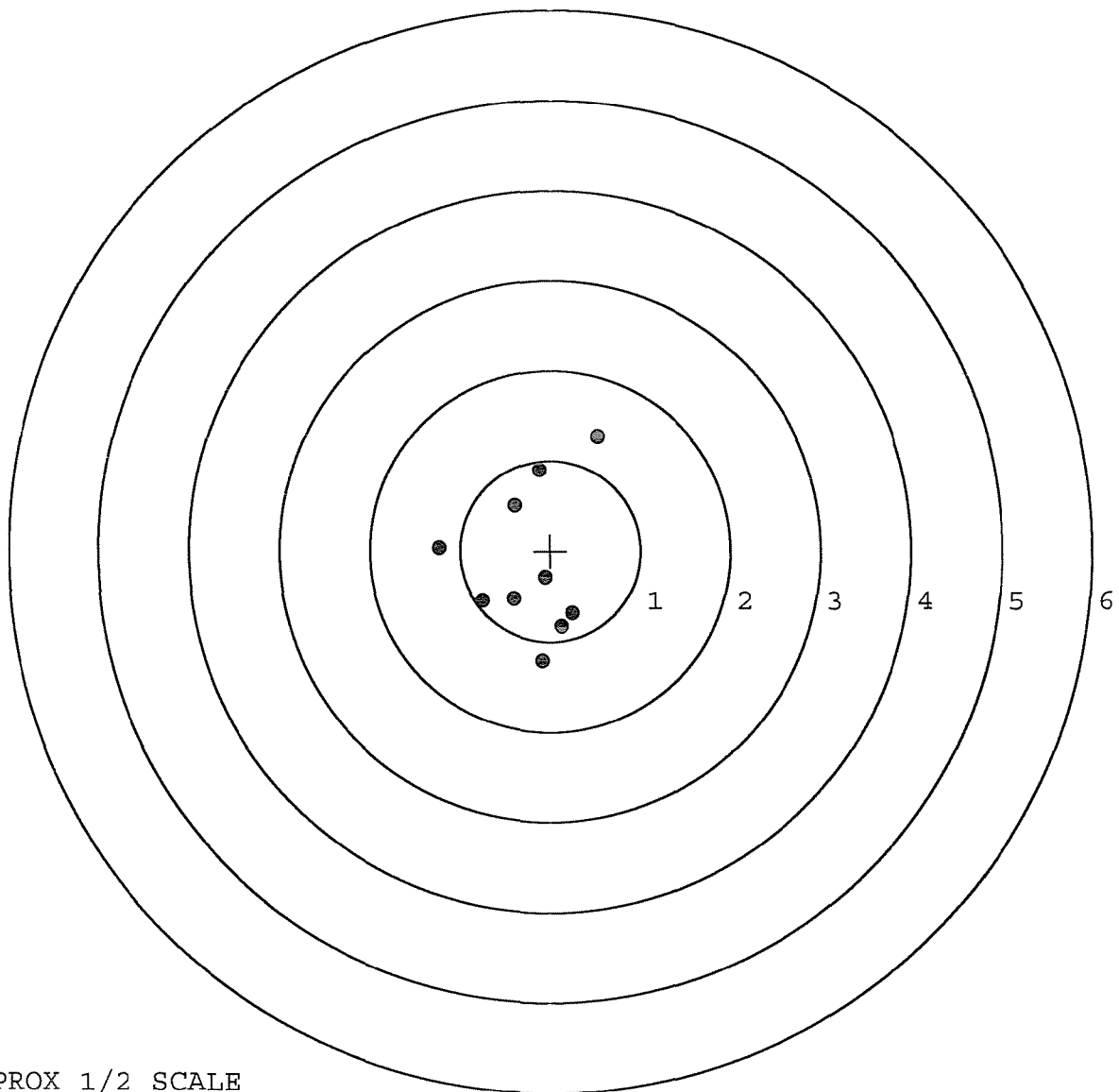
BARBER - M24 0034908

SERIAL NUMBER: C6611727. 0
TARGET NUMBER: 3
FILE DATE: 07/07/2005
FILE TIME: 07:55

X CENTROID: -0.216
Y CENTROID: -0.145
POA TO CENTROID: 0.260
HORZ SPREAD: 1.760
VERT SPREAD: 2.478
GROUP SPREAD: 2.553
MIN RADIUS: 0.217
MAX RADIUS: 1.590
MEAN RADIUS: 0.823

IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	-0.060	-0.296
2:	-0.093	-1.215
3:	0.128	-0.839
4:	0.251	-0.690
5:	-1.237	0.028
6:	-0.398	0.499
7:	-0.120	0.896
8:	0.523	1.263
9:	-0.749	-0.557
10:	-0.401	-0.536



TARGET APPROX 1/2 SCALE

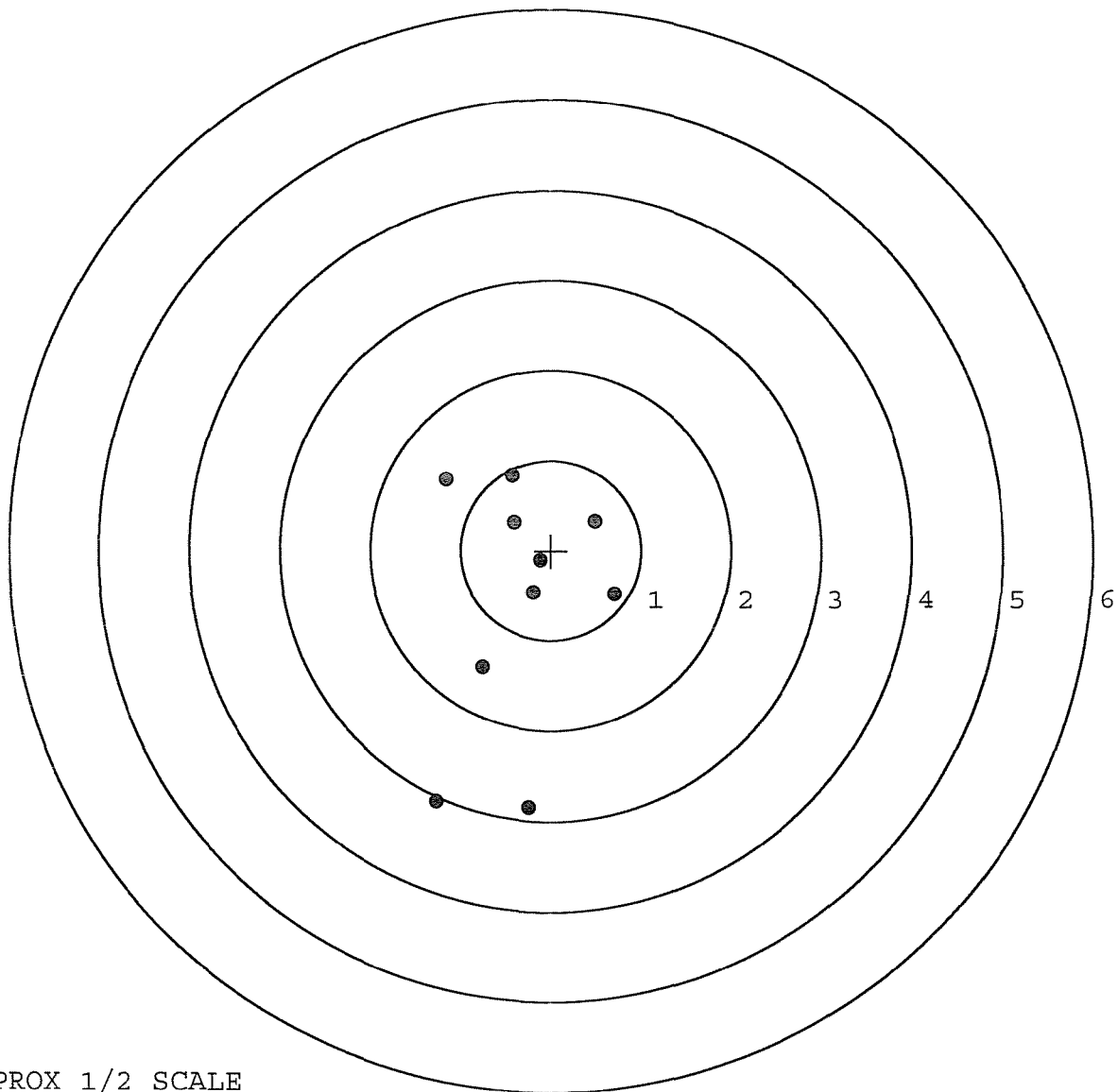
BARBER - M24 0034909

SERIAL NUMBER: C6611727. __0
TARGET NUMBER: 4
FILE DATE: 07/07/2005
FILE TIME: 07:55

X CENTROID: -0.341
Y CENTROID: -0.575
POA TO CENTROID: 0.669
HORZ SPREAD: 1.982
VERT SPREAD: 3.682
GROUP SPREAD: 3.716
MIN RADIUS: 0.177
MAX RADIUS: 2.399
MEAN RADIUS: 1.237

IN 1 IN DIAMETER: 1
IN 2 IN DIAMETER: 4
in 3 IN DIAMETER: 7

POINT#	X	Y
1:	-0.756	-1.305
2:	0.709	-0.492
3:	-0.201	-0.467
4:	-0.122	-0.109
5:	-0.412	0.312
6:	-1.273	-2.786
7:	-0.249	-2.849
8:	0.488	0.322
9:	-1.164	0.787
10:	-0.430	0.833



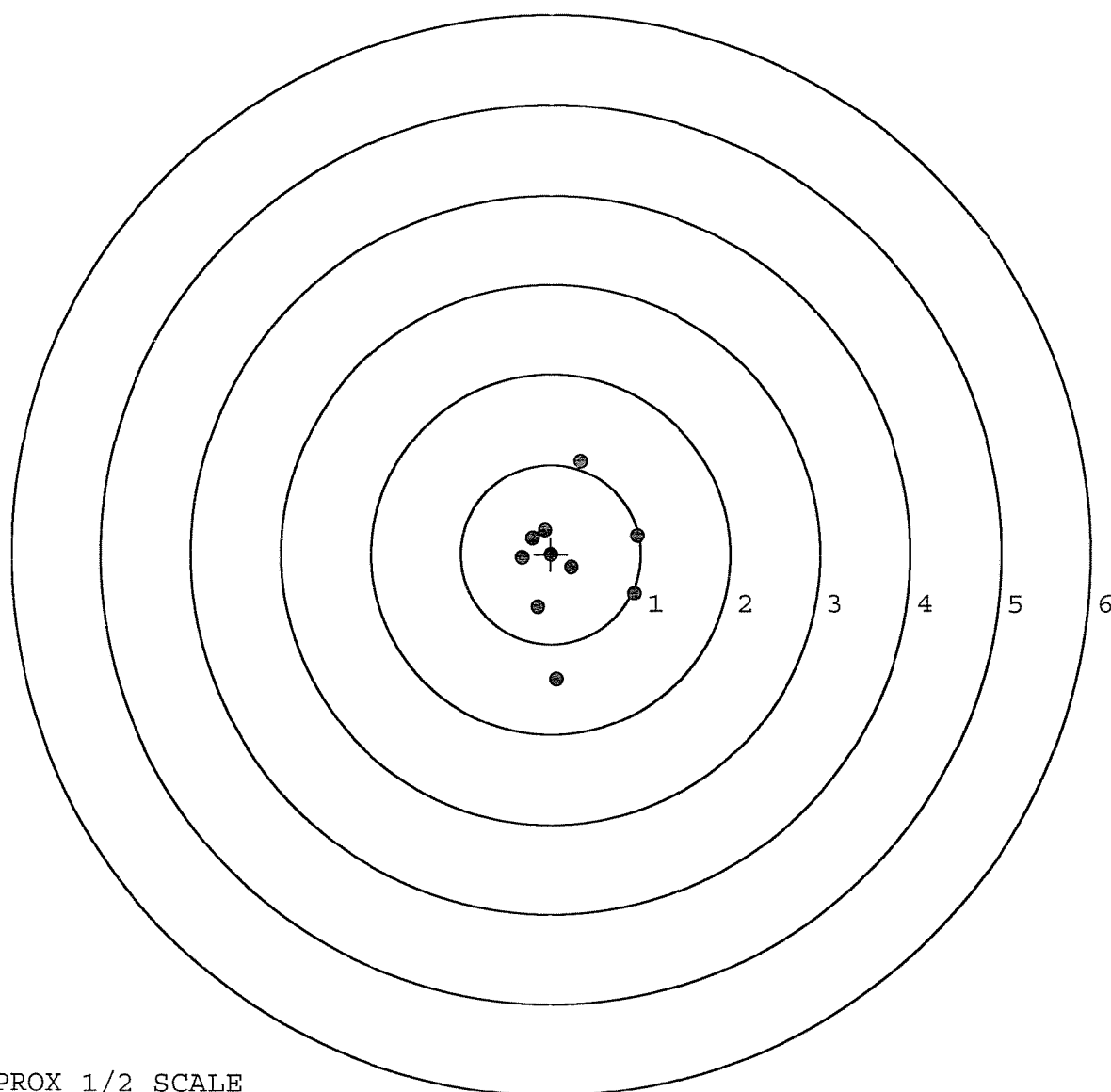
TARGET APPROX 1/2 SCALE

BARBER - M24 0034910

SERIAL NUMBER: C6611727. __0
TARGET NUMBER: 5
FILE DATE: 07/07/2005
FILE TIME: 07:55

X CENTROID: 0.177
Y CENTROID: -0.096
POA TO CENTROID: 0.201
HORZ SPREAD: 1.282
VERT SPREAD: 2.433
GROUP SPREAD: 2.448
MIN RADIUS: 0.076
MAX RADIUS: 1.304
MEAN RADIUS: 0.640
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.961	0.205
2:	0.929	-0.442
3:	0.338	1.038
4:	0.228	-0.152
5:	-0.150	-0.595
6:	-0.070	0.261
7:	-0.321	-0.044
8:	-0.001	-0.008
9:	-0.211	0.177
10:	0.064	-1.395



TARGET APPROX 1/2 SCALE

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

R & E NUMBER	92910		
SERIAL NUMBER	C6611727		
LOG-IN DATE	2-10-05		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	6-1-05	RTZ
560 A	RE-BARREL	6-6-05	RTZ
B	DRILL AND TAP	6-8-05	TRW
575	ASSEMBLE	6-6-05	RTZ
600	PROOF	6-7-05	AC
605	CHECK HEADSPACE	6-7-05	AC
610	DIS-ASSEMBLE GUN	6-7-05	RTZ
612	MAGNAFLUX	6/9/05	WMS
615	ROLLMARK CALIBER	6-9-05	CW
618	ROTO-BLAST	6-10-05	LB
620	APPLY COATINGS	6-13-05	W
625 A	FINAL ASSEMBLY	6-30-05	RTZ
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE	8-8-05	AC
D	SAFETY "OFF" FORCE	8-8-05	AC
E	FIRING PIN INDENT	8-8-05	AC
640	TARGET	7-7-05	AC
655	FINAL INSPECT	8-8-05	AC
660	PACK	9-6-05	DA
		SHIP DATE	
		QAR INSPECTION DATE	

Remington[®]

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

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

MODEL 700TM M24

SERIAL NO.
C6611727

ORDER NO.
5716

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

20



CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6611727

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		1/10/91	KA
600	Proof		1/10/91	KA
607	Check Headspace		1/10/91	KA
610	Dis-assemble Gun		1/10/91	KA
612	Magnaflux Barrel Action		1/17/91	KR
	Magnaflux Bolt		"	KR
615	Rollmark Caliber		"	GS
617	Drill and Tap Sight Holes	1 18 91		FB
618	Polish Barrel	1 18 91		WE
620	Apply Coatings (Barrel Action)		2-18-91	KA
	Apply Coating (Bolt)			KA
625	Final Assembly A) Clean inside of Bolt Assembly		2/22/91	KA
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		2/22/91	KA
	C) Inspect Ejector Hole for Chamfer		2/22/91	KA
	D) Oil Firing Pin Ass'y		2/22/91	KA
	E) Adjust Trigger Pull to Min Setting and Stake		2-27-91	DH

op. #	BARBER NAM24 0034914	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	5	3	4	2-27-91	DH
	G) Safety Off Force	3	3	3			2-27-91	DH
	H) Trigger Pull Test & Retainability						2-27-91	DH
	I) Firing Pin Indent	.021	.0215	.0215			2-27-91	DH
	J) Assemble Stock						2/28/91	KH
	K) Assemble Swivel Studs						3/2/91	WB
	L) Attach Front and Rear Sight Assemblies						2/28/91	KH
	M) Iron Sight Alignment						2/28/91	KH
	N) Detach Front & Rear Sights & place in numbered container						2/28/91	KH
	O) Attach Scope to Rifle						2/28/91	KH
	P) Detach & Attach Scope 20 Times						2/28/91	KH
640	Gallery Target & Test						3-1-91	DH
	A) Time						3-1-91	DH
	B) Malfunctions						3-1-91	DH
	C) Pierced Primers						3-1-91	DH
	D) Optical Clarity of Scope						3-1-91	DH
645	Inspect for Live Ammo						3-1-91	DH
655	Final Inspection							
	A) Headspace						3/2/91	WB
	B) Trigger Pull	2.41	2.45	2.46	2.48	2.47	3-2-91	KH
	C) Function						3/2/91	WB
660	Pack						3-15-91	DH

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C661177

DATE 2-27-91

TESTER DH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.67	2.72	2.62	2.41	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.66	2.60	2.68	2.45	
PULL #3	2.63	2.60	2.64	2.46	
PULL #4	2.63	2.70	2.72	2.48	
PULL #5	2.63	2.69	2.70	2.47	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.17	3.09		
PULL #2	3.10	3.07		
PULL #3	3.10	2.70		
PULL #4	3.05	3.15		
PULL #5	2.96	3.10		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.25	4.31		4.34
PULL #2	4.28	4.28		4.34
PULL #3	4.22	4.22		4.26
PULL #4	4.24	4.22		4.37
PULL #5	4.23	4.25		4.32
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6611727
1 Mar 1991

CENTROIDAL DISTANCES

0 TO	1	.158521
1 TO	2	.300727
1 TO	3	.0269072
1 TO	4	.513982
1 TO	5	.562282

←----POR

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0876
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0524
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .102076
THE AMR FOR THIS RIFLE IS: .9606

1 Mar 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6B11727

CENTERFIRE PATTERNS

1

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS= 10

IN CIR

1in = 2

2in = 5

3in = 10

HS= 1.653

VS= 2.410

GS= 2.575

PATTERN

SHOTS (BEST OF)

10

9

8

MAXIMUM X

.961

.979

.906

MINIMUM X

-.692

-.674

-.747

MAXIMUM Y

.968

.808

.637

MINIMUM Y

-1.442

-1.369

-.663

CENTROID X

.045

.027

.100

CENTROID Y

-.152

.008

.179

POA TO CENTROID in.

.158

.029

.205

MIN RADIUS

.358

.210

.135

MEAN RADIUS

.921

.827

.728

MAX RADIUS

1.451

1.488

1.056

HORIZONTAL SPREAD

1.653

1.653

1.653

VERTICAL SPREAD

2.410

2.177

1.300

EXTREME SPREAD

2.575

2.575

1.941

NUMBER IN ONE INCH CIRCLE =

2

NUMBER IN TWO INCH CIRCLE =

5

NUMBER IN THREE INCH CIRCLE =

10

1 Mar 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06611727

CENTERFIRE PATTERNS # 2

POA

1in circle

2in circle

3in circle

CENTROID #

OF SHOTS= 10

IN CIR

1in = 1

2in = 6

3in = 10

HS= 1.835

VS= 2.311

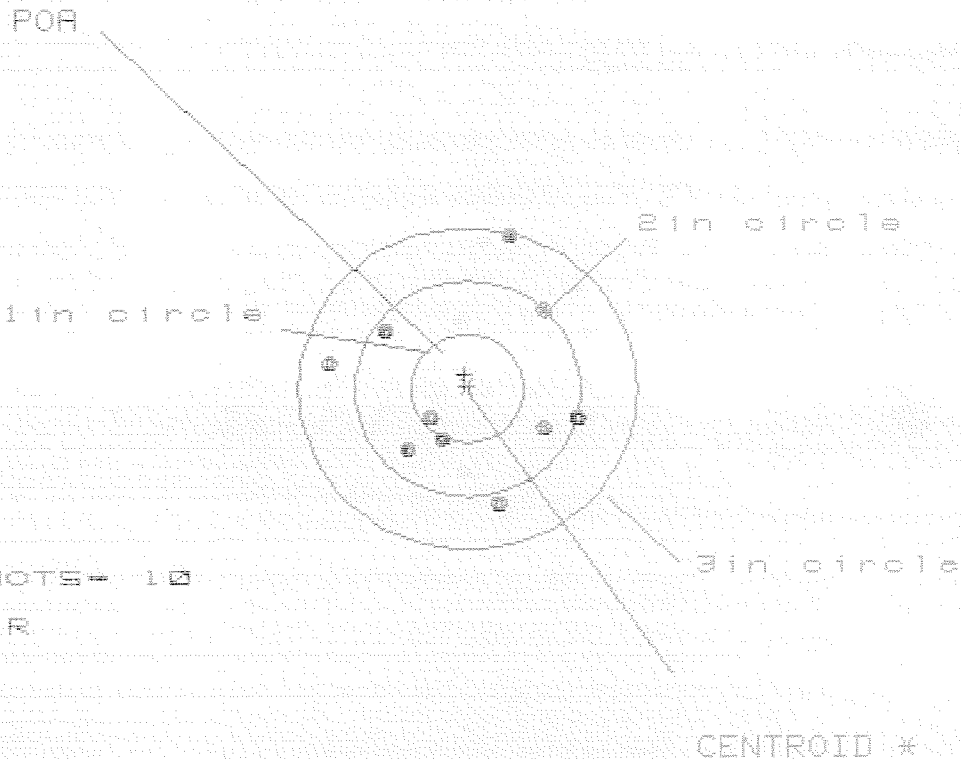
GS= 2.360

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.804	.789	.700
MINIMUM X	-1.031	-1.046	-1.135
MAXIMUM Y	1.225	1.140	.751
MINIMUM Y	-1.086	-.950	-.807
CENTROID X	.299	.314	.403
CENTROID Y	.009	-.127	-.270
POA TO CENTROID in.	.300	.339	.485
MIN RADIUS	.208	.132	.238
MEAN RADIUS	.829	.767	.687
MAX RADIUS	1.232	1.342	1.147
HORIZONTAL SPREAD	1.835	1.835	1.835
VERTICAL SPREAD	2.311	2.090	1.558
EXTREME SPREAD	2.360	2.333	1.836
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		10	

1 Mar 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C0611727

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1in = 1

2in = 6

3in = 9

HS= 2.152

VS= 2.487

GS= 2.489

PATTERN #	3		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.953	.994	.849
MINIMUM X	-1.199	-1.158	-.855
MAXIMUM Y	1.461	.876	.930
MINIMUM Y	-1.026	-.863	-.809
CENTROID X	.025	-.016	.129
CENTROID Y	-.134	-.297	-.351
POA TO CENTROID in.	.137	.297	.374
MIN RADIUS	.420	.290	.411
MEAN RADIUS	.918	.813	.756
MAX RADIUS	1.507	1.238	1.139
HORIZONTAL SPREAD	2.152	2.152	1.704
VERTICAL SPREAD	2.487	1.739	1.739
EXTREME SPREAD	2.489	2.229	1.901
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		9	

1 Mar 1991

FILE:/PATTERNING/CENTERFIRE_PATT/CG611727

CENTERFIRE PATTERNS

4

POA

1in circle

2in circle

3in circle

OF SHOTS = 10

IN CIR

1in = 2

2in = 7

3in = 9

HS = 1.920

VS = 2.826

GS = 2.826

CENTROID *

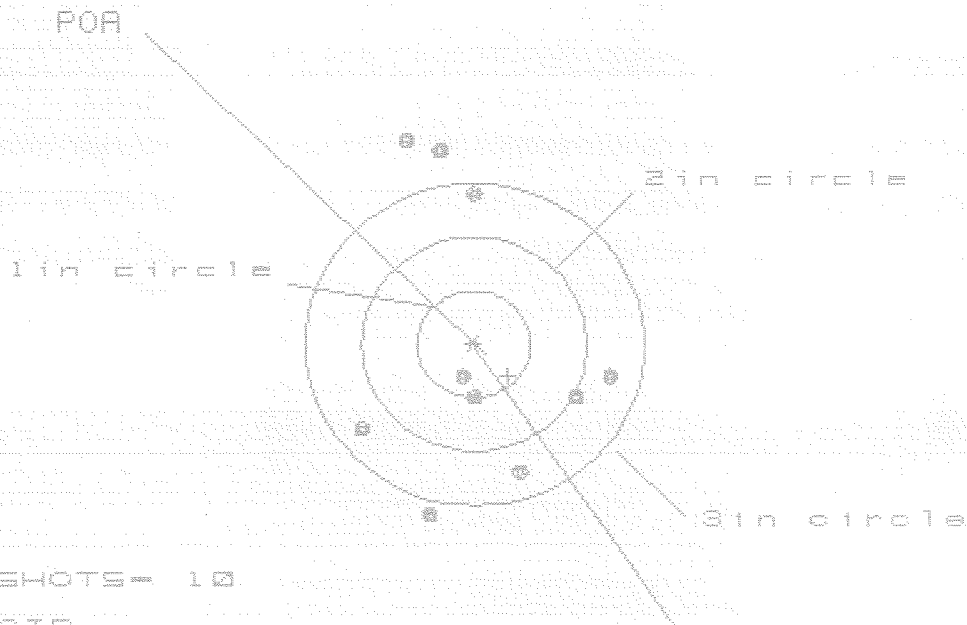
PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.756	.721	.571
MINIMUM X	:	-1.164	-1.199	-.933
MAXIMUM Y	:	1.690	.749	.682
MINIMUM Y	:	-1.136	-.949	-1.016
CENTROID X	:	.369	.404	.554
CENTROID Y	:	.247	.060	.127
POA TO CENTROID in.	:	.444	.408	.568
MIN RADIUS	:	.239	.300	.164
MEAN RADIUS	:	.888	.793	.688
MAX RADIUS	:	1.719	1.315	1.140
HORIZONTAL SPREAD	:	1.920	1.920	1.504
VERTICAL SPREAD	:	2.826	1.698	1.698
EXTREME SPREAD	:	2.826	2.196	1.944
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

1 Mar 1991

FILE:/PATTERNING/CENTERFIRE_PATT/CB611727

CENTERFIRE PATTERNS

5



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 2

3 in = 7

HS= 2.234

VS= 3.402

GS= 3.403

CENTROID *

PATTERN #	1	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.195	1.126	1.078
MINIMUM X	-1.039	-1.108	-1.156
MAXIMUM Y	1.859	2.025	1.865
MINIMUM Y	-1.543	-1.336	-1.083
CENTROID X	-.300	-.231	-.183
CENTROID Y	.292	.085	-.168
POA TO CENTROID in.	.419	.246	.249
MIN RADIUS	.344	.232	.162
MEAN RADIUS	1.247	1.104	.922
MAX RADIUS	1.962	2.061	1.867
HORIZONTAL SPREAD	2.234	2.234	2.234
VERTICAL SPREAD	3.402	3.361	2.948
EXTREME SPREAD	3.408	3.363	2.983
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	2		
NUMBER IN THREE INCH CIRCLE =	7		

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

SERIAL NO. C6611727DATE 10-30-95TESTER DA

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	2.27	2.24	2.27	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.26	2.27	2.25	
PULL #3	2.19	2.22	2.23	
PULL #4	2.22	2.29	2.28	
PULL #5	2.26	2.20	2.25	
TOTAL	11.20	11.22	11.28	
AVG.	2.24	2.24	2.25	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.16	3.16		
PULL #2	3.21	3.12		
PULL #3	3.17	3.19		
PULL #4	3.21	3.22		
PULL #5	3.22	3.13		
TOTAL	15.97	15.82		
AVG.	3.19	3.16		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.11	4.00	4.15	
PULL #2	4.34	3.98	4.12	
PULL #3	4.12	4.14	4.08	
PULL #4	4.27	4.06	4.11	
PULL #5	4.22	4.10	4.11	
TOTAL	21.06	20.28	20.57	
AVG.	4.21	4.05	4.11	

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6611727

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			

BARBER - M24 0034925

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5 3/4	6	5 3/4			12/14	WB
	G) Safety Off Force	2 3/4	2 3/4	2 3/4			12/14	WB
	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	2.14	2.17	2.21	2.17	2.14	12/14	WB
	C) Function							
660	Pack							