

C6611737

MODEL 700™ M24

Model SWS™

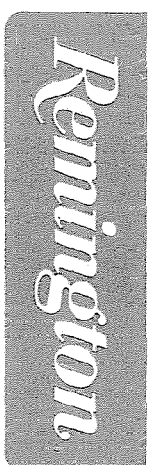
Action _____

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 CSR Tools Reports Table Maintenance System Maintenance Help

Repair Inquiry

Repair Number: **RE00127459**

Serial: C6611737 Model M24 SWS Center Fire
Caliber: 308 WIN

Repairman:

Status: Closed 3/30/2007 10:12:31 AM

Address Information

Customer:

Received From

Return To:

Received From

Name: CO C 1ST / 20TH S.F.G.

CO C 1ST / 20TH S.F.G.

Address 1: MASSACHUSETTS ARMY NATIONAL GUARD

MASSACHUSETTS ARMY NATIONAL GUARD

Address 2: 1505 ROOSEVELT AVENUE PO Box:

1505 ROOSEVELT AVENUE PO Box:

City: SPRINGFIELD

SPRINGFIELD

State: MA

Zip Code: 01109-2438

Country: US

State: MA

Zip Code: 01109-2438

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	Qt
A006	Sling Strap	1
A007	With Stud	3
A010	Hard Case	1
A017	Scope Base	1
A026	Scope	1
B000	FRONT/REAR BASE	1
B001	DEPLOYMENT KIT	1
B002	SCOPE CASE	1

Repair Search

Refresh

Close

nagletj

3/30/2007

11:13 AM

CAPS

NUM

INS

SCRL



11:13 AM

Serial Number: **C6611737**

Model: **M24 SWS**



RE00127459

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6611737.___0
FILE DATE AND TIME: 05/08/2007 12:33

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.021
The Average Y Centroid of the Five Target Set:	-0.092
The Average Point of Impact of the Five Target Set:	0.094
The Average Mean Radius of the Five Target Set:	0.626
The Distance from POA to Centroid Target #1:	0.109
The Distance from Centroid Target #2 to Centroid Target #1:	0.050
The Distance from Centroid Target #3 to Centroid Target #1:	0.102
The Distance from Centroid Target #4 to Centroid Target #1:	0.240
The Distance from Centroid Target #5 to Centroid Target #1:	0.149

SERIAL NUMBER: C6611737. __0

TARGET NUMBER: 1

FILE DATE: 05/08/2007

FILE TIME: 12:33

POINT#	X	Y
--------	---	---

1:	0.062	0.850
----	-------	-------

2:	0.529	-0.505
----	-------	--------

3:	0.422	-0.192
----	-------	--------

4:	0.263	-0.195
----	-------	--------

5:	0.146	-0.535
----	-------	--------

6:	0.094	-0.097
----	-------	--------

7:	0.008	0.065
----	-------	-------

8:	-0.328	-0.040
----	--------	--------

9:	-0.485	-0.196
----	--------	--------

10:	-0.719	-0.247
-----	--------	--------

X CENTROID: -0.001

Y CENTROID: -0.109

POA TO CENTROID: 0.109

HORZ SPREAD: 1.248

VERT SPREAD: 1.385

GROUP SPREAD: 1.433

MIN RADIUS: 0.096

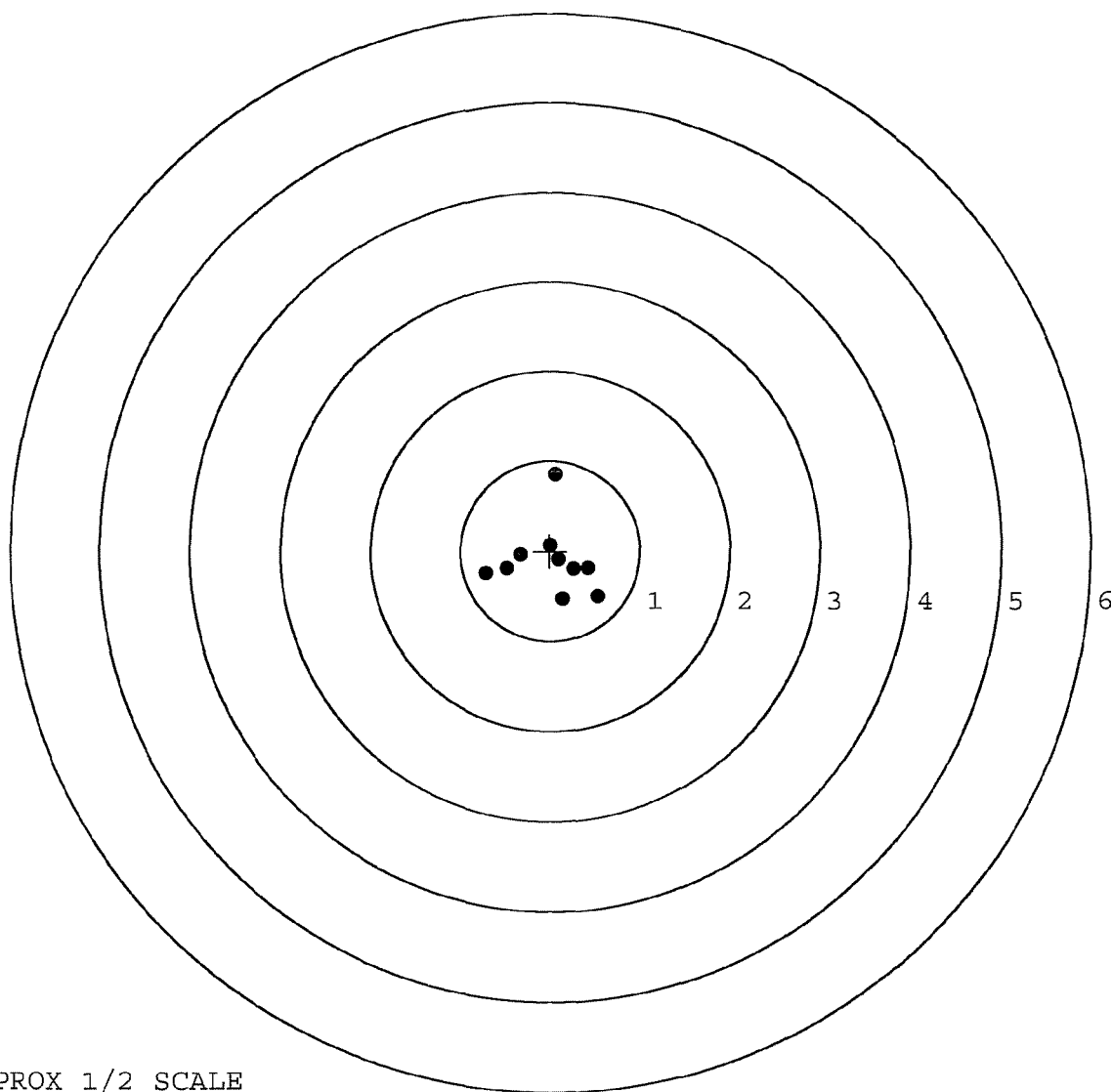
MAX RADIUS: 0.961

MEAN RADIUS: 0.461

IN 1 IN DIAMETER: 7

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10

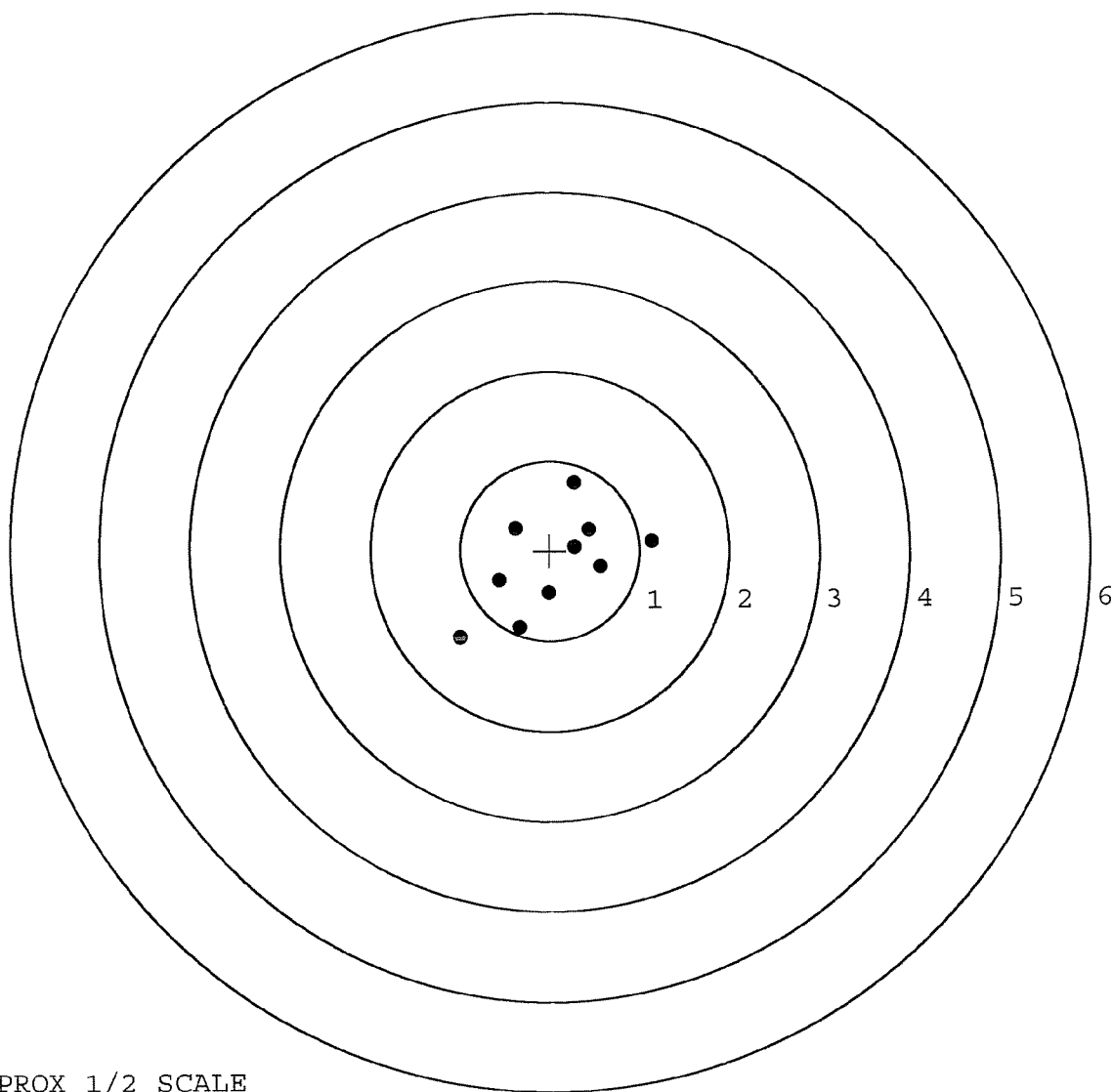


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611737. __0
TARGET NUMBER: 2
FILE DATE: 05/08/2007
FILE TIME: 12:33

X CENTROID: 0.037
Y CENTROID: -0.142
POA TO CENTROID: 0.147
HORZ SPREAD: 2.147
VERT SPREAD: 1.724
GROUP SPREAD: 2.399
MIN RADIUS: 0.301
MAX RADIUS: 1.333
MEAN RADIUS: 0.714
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	1.137	0.104
2:	0.565	-0.180
3:	0.274	0.044
4:	0.440	0.240
5:	0.274	0.758
6:	-0.380	0.253
7:	-0.570	-0.339
8:	-0.015	-0.477
9:	-0.341	-0.858
10:	-1.010	-0.966



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611737.___0

TARGET NUMBER: 3

FILE DATE: 05/08/2007

FILE TIME: 12:33

POINT#	X	Y
--------	---	---

1:	0.026	-1.668
----	-------	--------

2:	0.935	-0.188
----	-------	--------

3:	-0.041	-0.863
----	--------	--------

4:	-0.574	-0.754
----	--------	--------

5:	-0.314	-0.101
----	--------	--------

6:	-0.428	0.563
----	--------	-------

7:	-0.592	0.633
----	--------	-------

8:	-0.311	1.376
----	--------	-------

9:	0.371	0.514
----	-------	-------

10:	0.356	0.242
-----	-------	-------

X CENTROID: -0.057

Y CENTROID: -0.025

POA TO CENTROID: 0.062

HORZ SPREAD: 1.527

VERT SPREAD: 3.044

GROUP SPREAD: 3.063

MIN RADIUS: 0.268

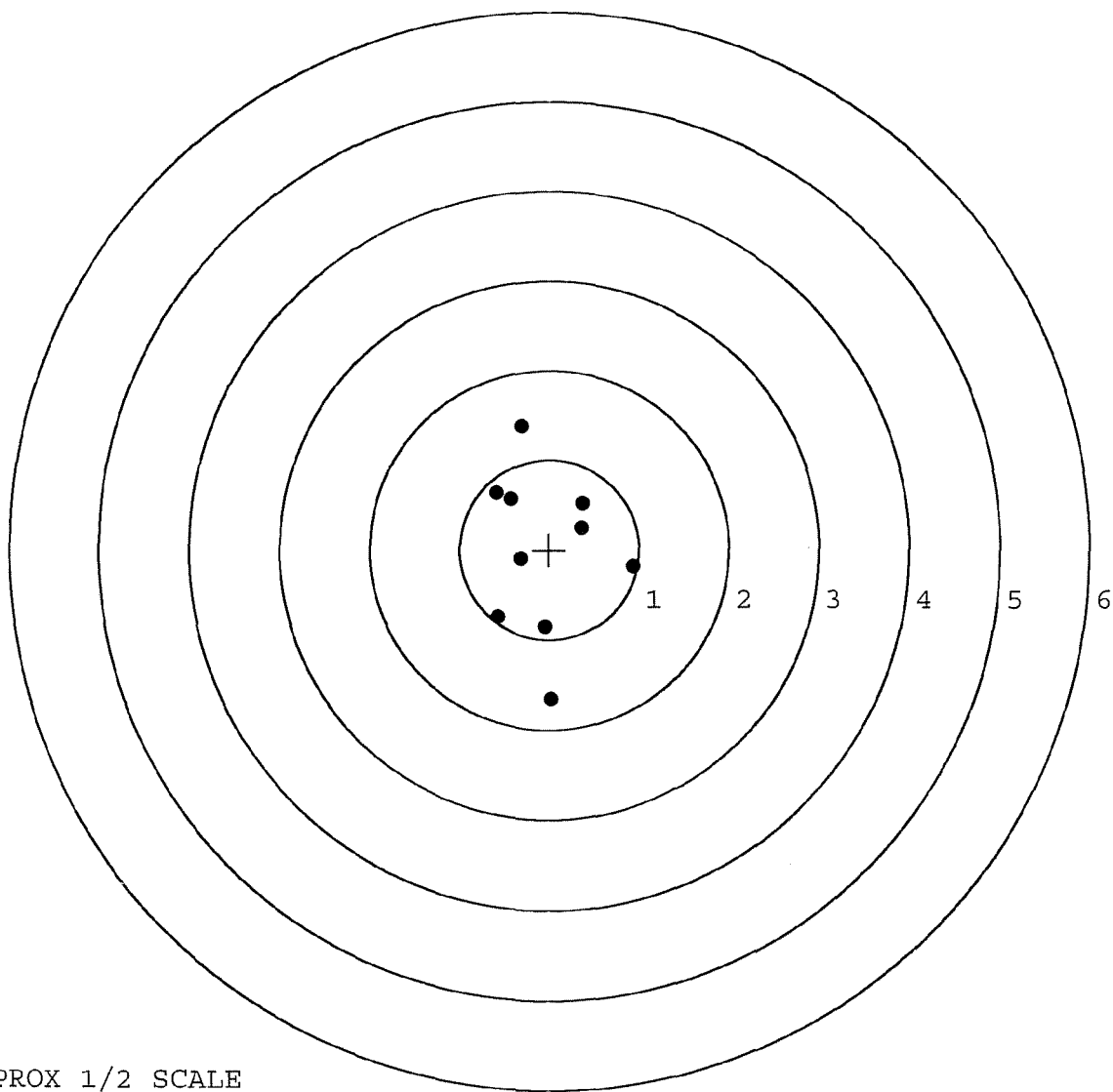
MAX RADIUS: 1.646

MEAN RADIUS: 0.880

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611737. __ 0

TARGET NUMBER: 4

FILE DATE: 05/08/2007

FILE TIME: 12:33

POINT#	X	Y
1:	0.381	0.455
2:	0.487	-0.083
3:	0.072	-0.438
4:	-0.846	0.135
5:	-0.291	-0.333
6:	-0.636	-0.136
7:	-0.505	-0.228
8:	-0.362	0.011
9:	-0.314	0.141
10:	-0.219	0.273

X CENTROID: -0.223

Y CENTROID: -0.020

POA TO CENTROID: 0.224

HORZ SPREAD: 1.333

VERT SPREAD: 0.893

GROUP SPREAD: 1.268

MIN RADIUS: 0.142

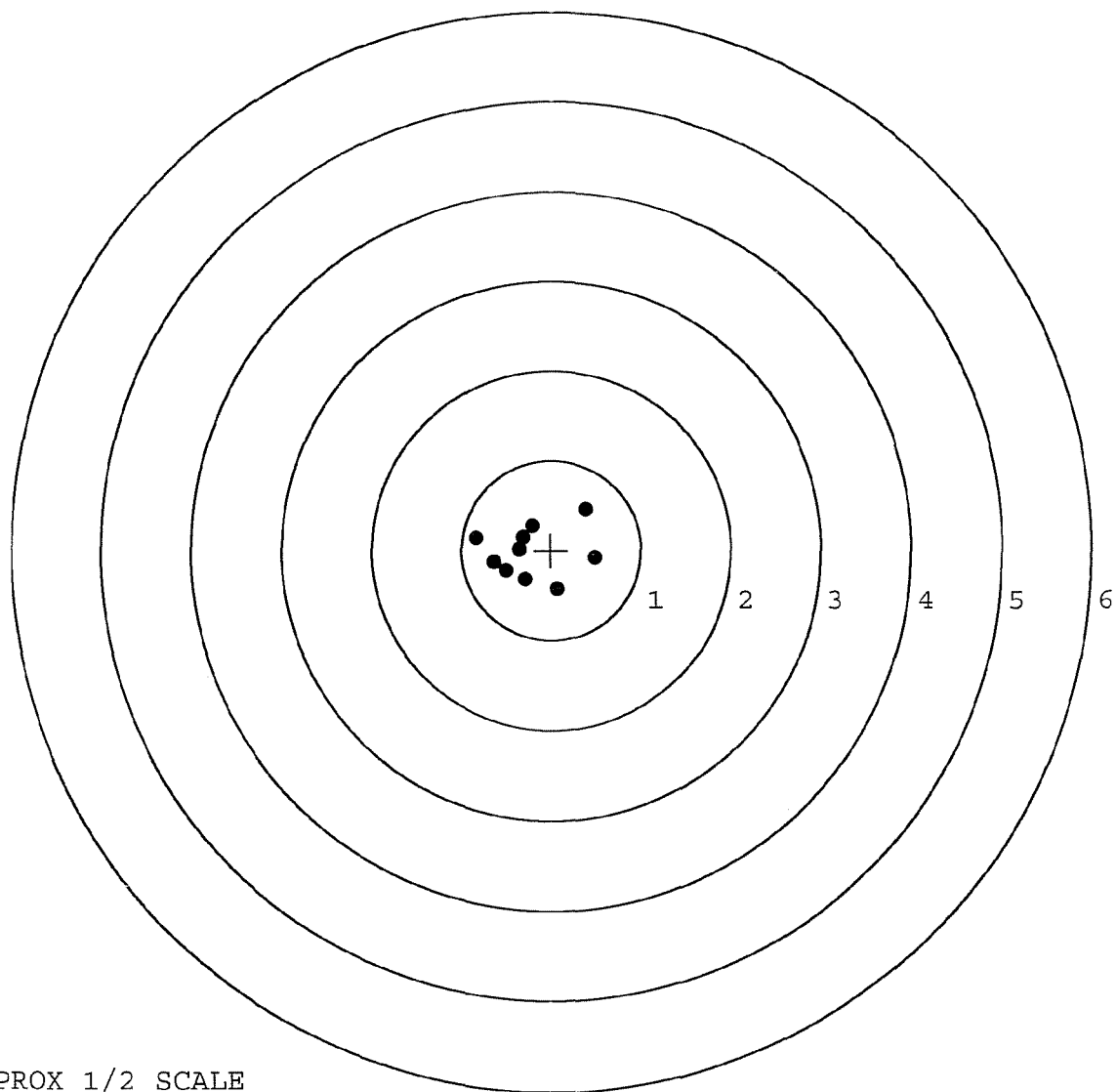
MAX RADIUS: 0.769

MEAN RADIUS: 0.435

IN 1 IN DIAMETER: 6

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611737.___0

TARGET NUMBER: 5

FILE DATE: 05/08/2007

FILE TIME: 12:33

POINT#	X	Y
--------	---	---

1:	1.118	-0.335
----	-------	--------

2:	0.676	0.416
----	-------	-------

3:	0.269	-1.038
----	-------	--------

4:	-0.285	0.712
----	--------	-------

5:	-0.596	0.298
----	--------	-------

6:	-0.597	-0.483
----	--------	--------

7:	-0.172	-0.297
----	--------	--------

8:	0.138	-0.168
----	-------	--------

9:	0.297	-0.417
----	-------	--------

10:	0.541	-0.310
-----	-------	--------

X CENTROID: 0.139

Y CENTROID: -0.162

POA TO CENTROID: 0.214

HORZ SPREAD: 1.715

VERT SPREAD: 1.750

GROUP SPREAD: 1.827

MIN RADIUS: 0.006

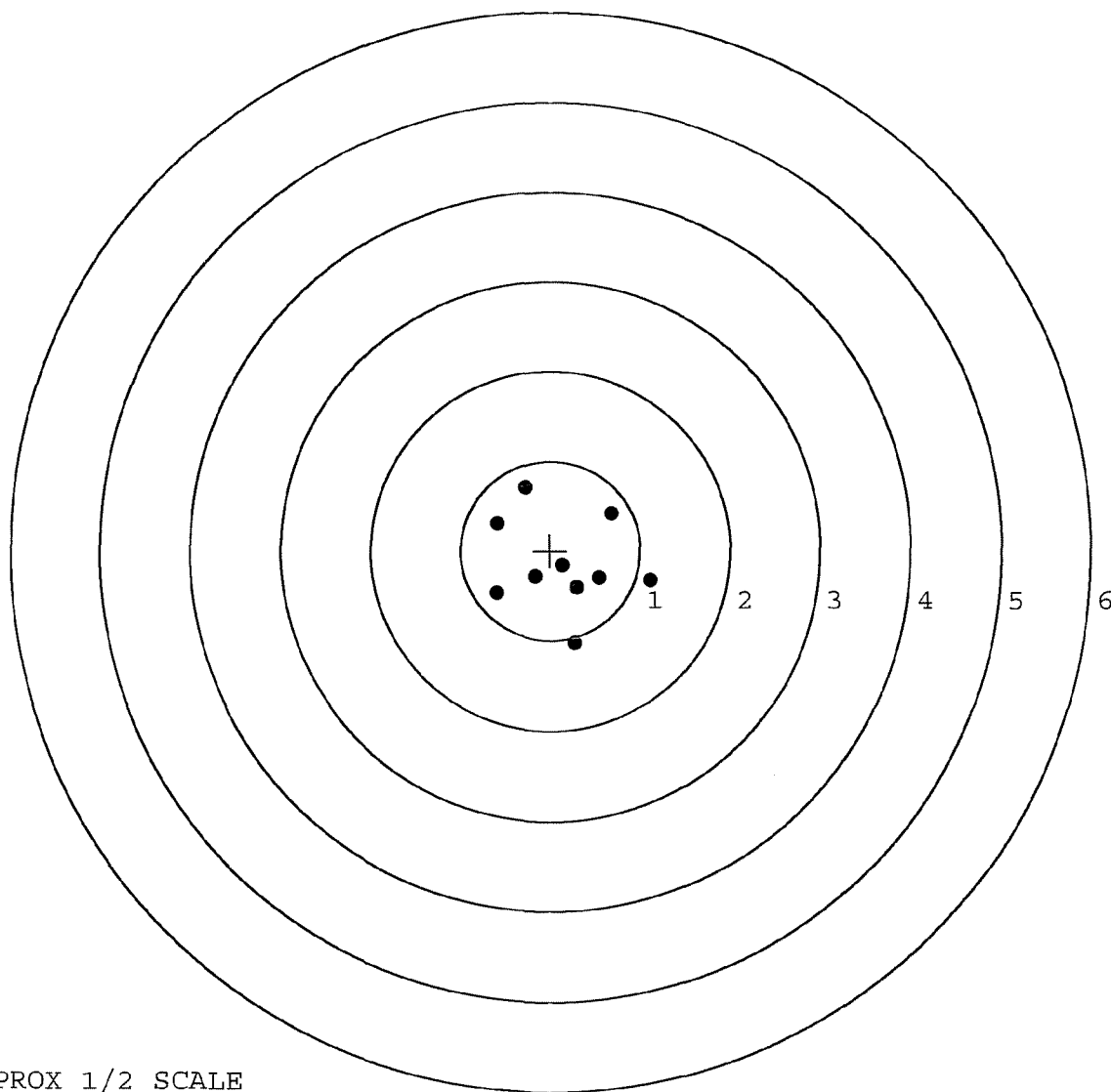
MAX RADIUS: 0.994

MEAN RADIUS: 0.638

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

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

R & E NUMBER	127459		
SERIAL NUMBER	C6611737		
LOG-IN DATE	3-30-07		
OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	4-7-07	RTC
505	RE-BARREL	4-20-07	RTC
560	ASSEMBLE	4-19-07	TRW
600	PROOF	4-19-07	TRW
605	CHECK HEADSPACE	4-19-07	TRW
610	DIS-ASSEMBLE GUN	4-20-07	RTC
612	MAGNAFLUX	4/24/07	UWS
510	DRILL AND TAP	4-24-07	TRW
615	ROLLMARK CALIBER	4-24-07	CW
618	ROTO-BLAST	4-24-07	UB
620	APPLY COATINGS	4-27-07	ce
625	FINAL ASSEMBLY	5-4-07	RTC
640	FUNCTION TEST AND	PASS FAIL	5/7/07 non
650	TARGET	PASS FAIL	5/7/07 non
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION		5-11-07
	A) HEADSPACE	PASS FAIL	5-11-07 RTC
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	2.54 2.58 2.63 2.68 2.61 5-9-07 TRW
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS MAX	5.0 5.0 5.5 5-9-07 TRW
	G) SAFETY OFF FORCE	2 LBS MIN	2.25 2.25 2.25 5-9-07 TRW
	I) FIRING PIN INDENT	.020	.023 ^s .023 .023 ^s 5-9-07 TRW
690	PACK		5-14-07 RTA

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

Remington®

MODEL 700™ H24

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

DUPONT

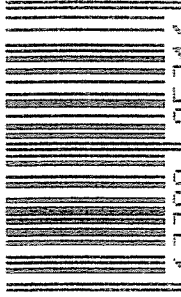
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada. Marque Deposee.

SERIAL NO. 06611737	ORDER NO. 5716
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5716 06611737

LPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C661737

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	1 16	91	RW
600	Proof	1 16	91	RW
607	Check Headspace	1 16	91	RW
610	Dis-assemble Gun	1 16	91	RW
612	Magnaflux Barrel Action	1 18	91	K.R
	Magnaflux Bolt	1 18	91	K.R
615	Rollmark Caliber	2 12	91	LS
617	Drill and Tap Sight Holes	1 24	91	LB
618	Polish Barrel	1 24	91	WB
620	Apply Coatings (Barrel Action)		2-15-91	JA
	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		3/2/91	JA

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4	4	4			3/4/91	JK
	G) Safety Off Force	3	3	3			3/4/91	JK
	H) Trigger Pull Test & Retainability						3/2/91	JK
	I) Firing Pin Indent	10225	10225	10225			3/4/91	JK
	J) Assemble Stock						3/6/91	RW
	K) Assemble Swivel Studs						3-12-91	D/H
	L) Attach Front and Rear Sight Assemblies						3/6/91	RW
	M) Iron Sight Alignment						3/6/91	RW
	N) Detach Front & Rear Sights & place in numbered container						3/6/91	RW
	O) Attach Scope to Rifle						3/6/91	RW
	P) Detach & Attach Scope 20 Times						3/6/91	RW
640	Gallery Target & Test						3-6-91	NF
	A) Time						"	NF
	B) Malfunctions						"	NF
	C) Pierced Primers						"	NF
	D) Optical Clarity of Scope						"	NF
645	Inspect for Live Ammo						3-6-91	NF
655	Final Inspection							
	A) Headspace						3-12-91	D/H
	B) Trigger Pull	2.17	2.15	2.22	2.19	2.32	3/11/91	JK
	C) Function						3-12-91	D/H
660	Pack						3-20-91	D/H

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6611737

DATE 3-2-91

TESTER JR

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.57	2.38	2.36	2.17	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.43	2.39	2.30	2.15	
PULL #3	2.39	2.41	2.39	2.22	
PULL #4	2.45	2.44	2.40	2.19	
PULL #5	2.46	2.31	2.44	2.32	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.60	3.14		
PULL #2	3.55	3.38		
PULL #3	3.55	3.29		
PULL #4	3.44	3.30		
PULL #5	3.54	3.28		
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	4.38		4.33
PULL #2	4.30	4.31		4.37
PULL #3	4.30	4.25		4.36
PULL #4	4.30	4.37		4.30
PULL #5	4.36	4.32		4.35
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06811737
7 Mar 1991

CENTROIDAL DISTANCES

0 TO 1	.0840952
1 TO 2	.209659
1 TO 3	.115974
1 TO 4	.202158
1 TO 5	.0836002

<----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0018
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0162
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0162997

THE AMR FOR THIS RIFLE IS: .8526

6 Mar 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8611737

CENTERFIRE PATTERNS # 1

POA

1in circle

2in circle

3in circle

OF SHOTS = 10

IN CIR

1in = 1

2in = 7

3in = 9

HS = 1.617

VS = 2.816

GS = 3.045

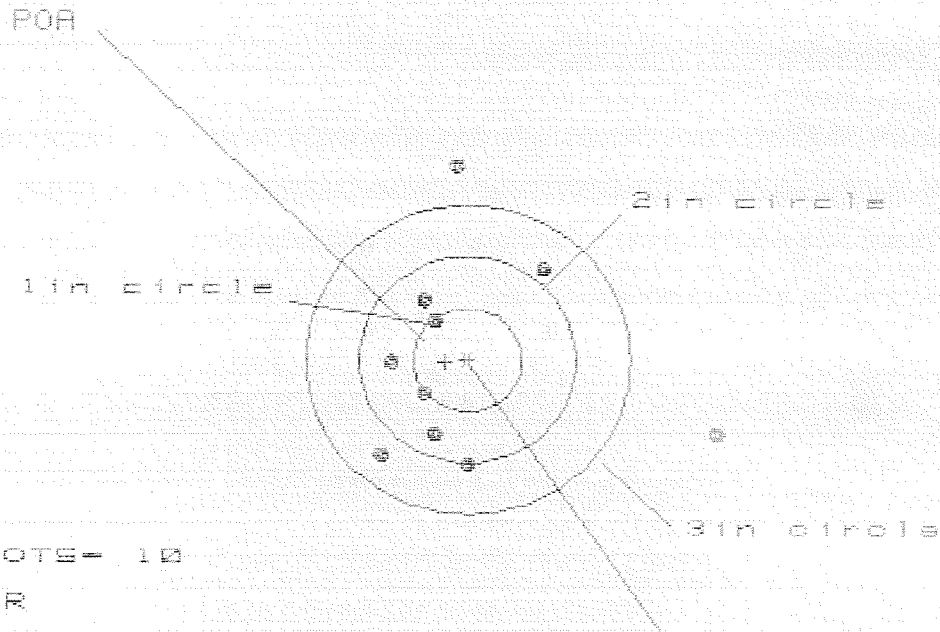
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.895	.820	.870
MINIMUM X	-.722	-.797	-.747
MAXIMUM Y	1.321	1.154	.825
MINIMUM Y	-1.496	-1.065	-.920
CENTROID X	.084	.079	.029
CENTROID Y	.084	.251	.106
POA TO CENTROID in.	.085	.263	.110
MIN RADIUS	.393	.314	.386
MEAN RADIUS	.923	.825	.772
MAX RADIUS	1.643	1.223	1.061
HORIZONTAL SPREAD	1.617	1.617	1.617
VERTICAL SPREAD	2.816	2.219	1.745
EXTREME SPREAD	3.045	2.220	1.831
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		9	

8 Mar 1991

FILE:/PATTERNING/CENTERFIRE_PATT/CAB11737

CENTERFIRE PATTERNS # 2



OF SHOTS = 10

IN CIR

1in = 0

2in = 6

3in = 8

HS = 3.134

VS = 2.890

GS = 3.573

PATTERN #

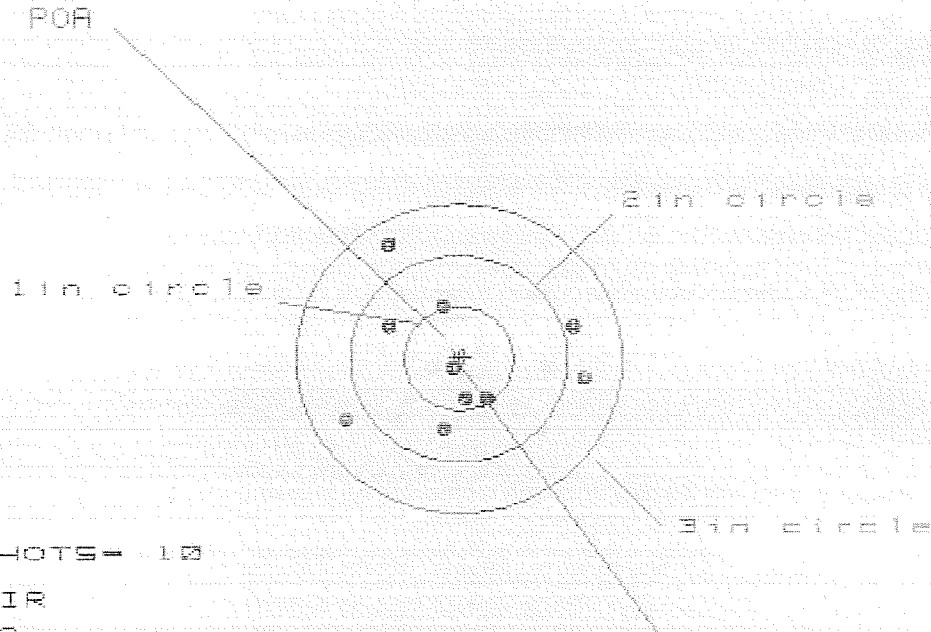
2

SHOTS (BEST OF)	10	9	8
MAXIMUM X	2.332	.927	.952
MINIMUM X	-1.792	-1.532	-1.507
MAXIMUM Y	1.910	1.827	1.017
MINIMUM Y	-1.980	-1.063	-1.835
CENTROID X	.203	-.057	-.082
CENTROID Y	.018	.101	-.127
POA TO CENTROID in.	.203	.116	.152
MIN RADIUS	.506	.297	.229
MEAN RADIUS	1.078	.858	.698
MAX RADIUS	2.450	1.839	1.393
HORIZONTAL SPREAD	3.124	1.459	1.459
VERTICAL SPREAD	2.890	2.890	1.952
EXTREME SPREAD	3.573	2.890	2.272
NUMBER IN ONE INCH CIRCLE =		0	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		8	

8 Mar 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6B11737

CENTERFIRE PATTERNS # 3



OF SHOTS = 10

IN CIR

1in = 3

2in = 6

3in = 10

HS = 2.111

VS = 1.807

GS = 2.253

CENTROID #

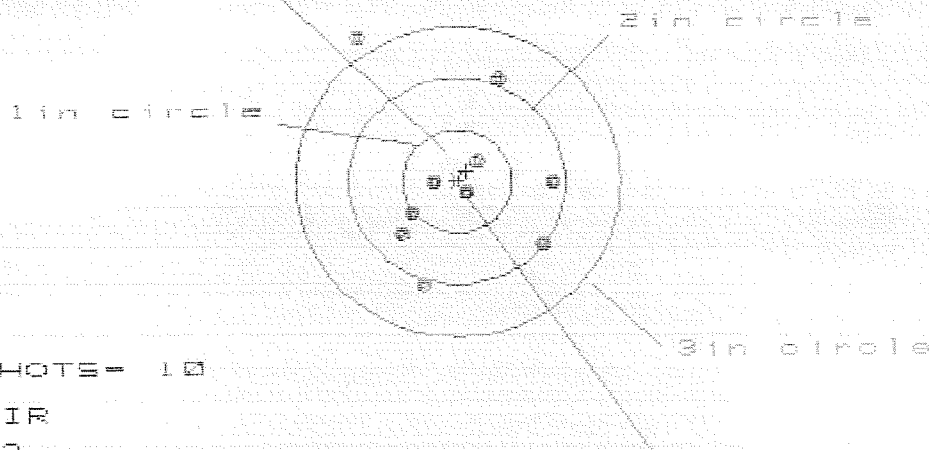
PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.103	1.038	.904
MINIMUM X	:	-1.002	-1.073	-.850
MAXIMUM Y	:	1.128	.684	.621
MINIMUM Y	:	-.679	-.554	-.617
CENTROID X	:	-.053	.018	.152
CENTROID Y	:	-.017	-.142	-.079
POA TO CENTROID in.	:	.056	.143	.171
MIN RADIUS	:	.060	.108	.219
MEAN RADIUS	:	.755	.675	.625
MAX RADIUS	:	1.297	1.185	.920
HORIZONTAL SPREAD	:	2.111	2.111	1.754
VERTICAL SPREAD	:	1.807	1.238	1.238
EXTREME SPREAD	:	2.253	2.253	1.806
NUMBER IN ONE INCH CIRCLE =			3	
NUMBER IN TWO INCH CIRCLE =			6	
NUMBER IN THREE INCH CIRCLE =			10	

6 Mar 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8611737

CENTERFIRE PATTERNS # 4

POA



OF SHOTS= 10

IN CIR

1 in = 3

2 in = 5

3 in = 9

HE= 1.841

VS= 2.336

GS= 2.657

CENTROID #

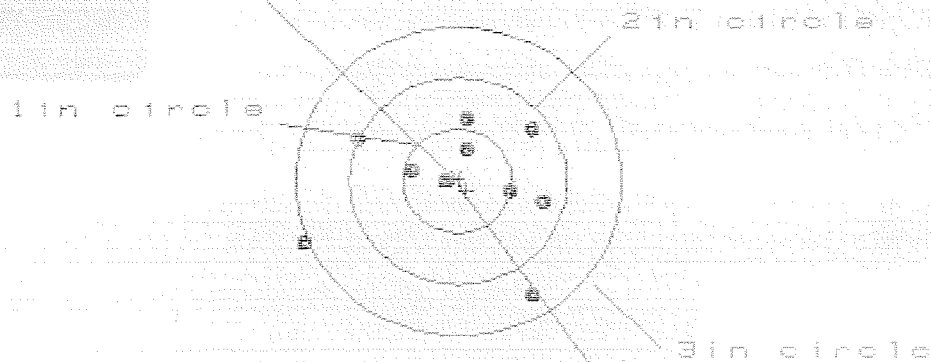
PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.904	.800	.837
MINIMUM X	:	-.936	-.649	-.612
MAXIMUM Y	:	1.357	1.115	.463
MINIMUM Y	:	-.979	-.828	-.689
CENTROID X	:	-.084	.021	-.016
CENTROID Y	:	-.098	-.249	-.388
POA TO CENTROID in.	:	.129	.250	.389
MIN RADIUS	:	.153	.063	.207
MEAN RADIUS	:	.755	.645	.593
MAX RADIUS	:	1.649	1.153	.895
HORIZONTAL SPREAD	:	1.841	1.449	1.449
VERTICAL SPREAD	:	2.336	1.943	1.152
EXTREME SPREAD	:	2.657	2.066	1.571
NUMBER IN ONE INCH CIRCLE =			3	
NUMBER IN TWO INCH CIRCLE =			6	
NUMBER IN THREE INCH CIRCLE =			9	

8 Mar 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8611737

CENTERFIRE PATTERNS # 5

POA



OF SHOTS= 10

IN CIR

1in = 3

2in = 7

3in = 10

HS= 2.169

VS= 1.699

GS= 2.328

CENTROID #

PATTERN #

:

5

SHOTS (BEST OF)

:

10

9

8

MAXIMUM X

:

.796

.646

.716

MINIMUM X

:

-1.371

-1.088

-1.018

MAXIMUM Y

:

.593

.531

.385

MINIMUM Y

:

-1.106

-1.168

-.355

CENTROID X

:

-.079

.073

.003

CENTROID Y

:

.094

.156

.302

POA TO CENTROID (in.)

:

.123

.173

.303

MIN RADIUS

:

.173

.294

.132

MEAN RADIUS

:

.252

.657

.546

MAX RADIUS

:

1.482

1.296

1.035

HORIZONTAL SPREAD

:

2.169

1.734

1.734

VERTICAL SPREAD

:

1.699

1.699

.740

EXTREME SPREAD

:

2.328

2.229

1.816

NUMBER IN ONE INCH CIRCLE =

3

NUMBER IN TWO INCH CIRCLE =

7

NUMBER IN THREE INCH CIRCLE =

10