

C6611721

MODEL 700™ M24

Model S&S™

Action _____

Barrel Length _____

Capacity _____

Order No. 5715

*Includes 1 in chamber.



Repair Inquiry

Repair Number: RE00127463

Serial: C6611721 Model M24 SWS Center Fire
Caliber: 308 WIN

Repairman:

Verify Repair

Status:

Closed 3/30/2007 10:28:40 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	Qty
A007	With Stud	3
A010	Hard Case	1
A017	Scope Base	1
A026	Scope	1
A045	Bi Pod	1
A057	Fit and Rear Sgt Base	1

Repair Search

Refresh

Close

nagletj

3/30/2007

11:13 AM

CAPS

NUM

INS

SCRL



11:13 AM

Serial Number: C6611721

Model: M24 SWS



RE00127463

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6611721.___0

FILE DATE AND TIME: 05/08/2007 12:47

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.063
The Average Y Centroid of the Five Target Set:	-0.108
The Average Point of Impact of the Five Target Set:	0.125
The Average Mean Radius of the Five Target Set:	0.753
The Distance from POA to Centroid Target #1:	0.245
The Distance from Centroid Target #2 to Centroid Target #1:	0.343
The Distance from Centroid Target #3 to Centroid Target #1:	0.183
The Distance from Centroid Target #4 to Centroid Target #1:	0.159
The Distance from Centroid Target #5 to Centroid Target #1:	0.044

SERIAL NUMBER: C6611721. __0

TARGET NUMBER: 1

FILE DATE: 05/08/2007

FILE TIME: 12:47

X CENTROID: -0.039

Y CENTROID: -0.242

POA TO CENTROID: 0.245

HORZ SPREAD: 1.550

VERT SPREAD: 2.027

GROUP SPREAD: 2.027

MIN RADIUS: 0.520

MAX RADIUS: 1.063

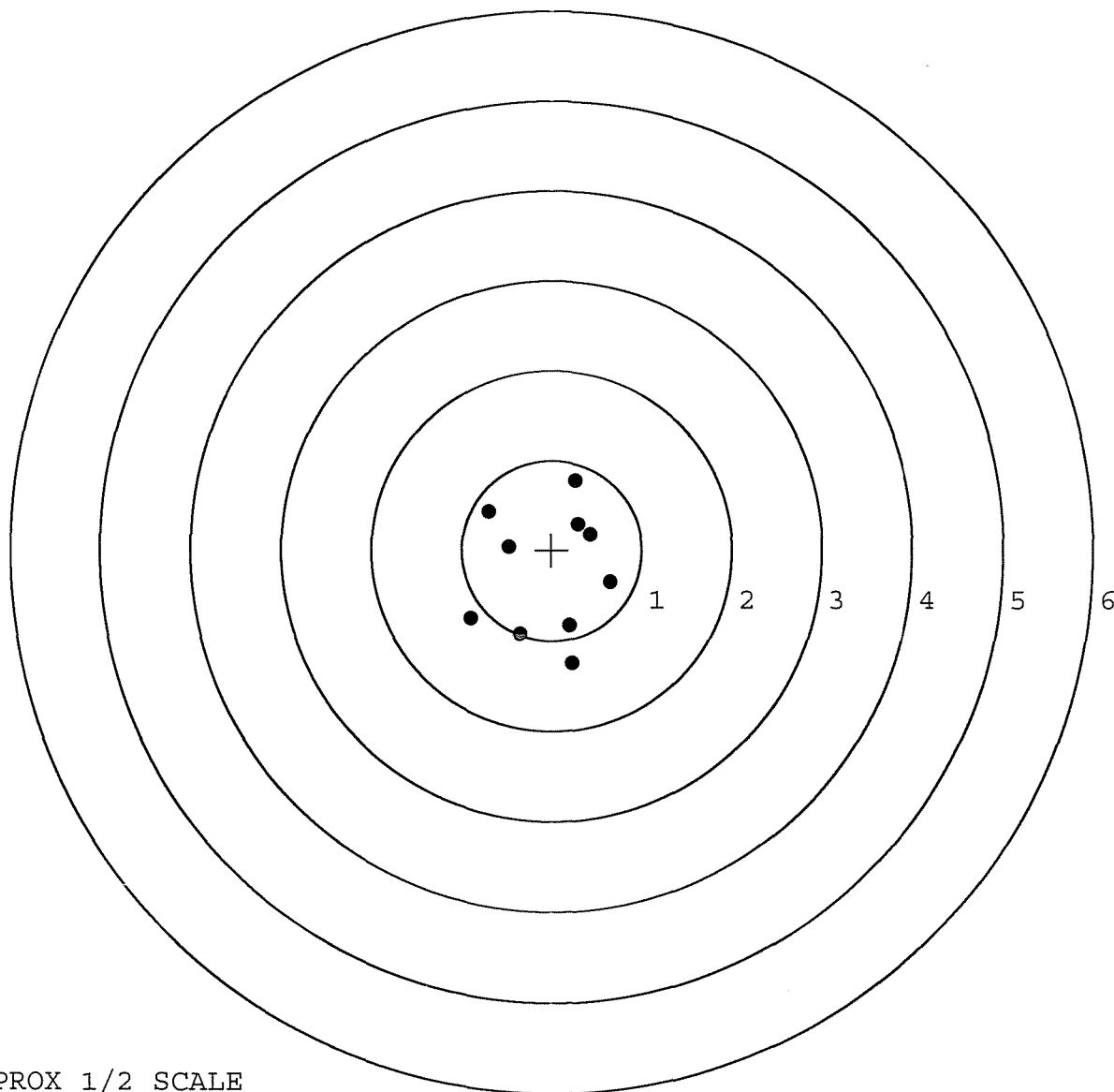
MEAN RADIUS: 0.792

IN 1 IN DIAMETER: 0

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.227	-1.250
2:	0.199	-0.837
3:	0.647	-0.359
4:	-0.359	-0.927
5:	-0.903	-0.757
6:	0.264	0.777
7:	-0.704	0.430
8:	-0.478	0.037
9:	0.424	0.176
10:	0.293	0.292



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611721. 0

TARGET NUMBER: 2

FILE DATE: 05/08/2007

FILE TIME: 12:47

X CENTROID: -0.069

Y CENTROID: 0.099

POA TO CENTROID: 0.121

HORZ SPREAD: 2.479

VERT SPREAD: 1.783

GROUP SPREAD: 2.500

MIN RADIUS: 0.421

MAX RADIUS: 1.438

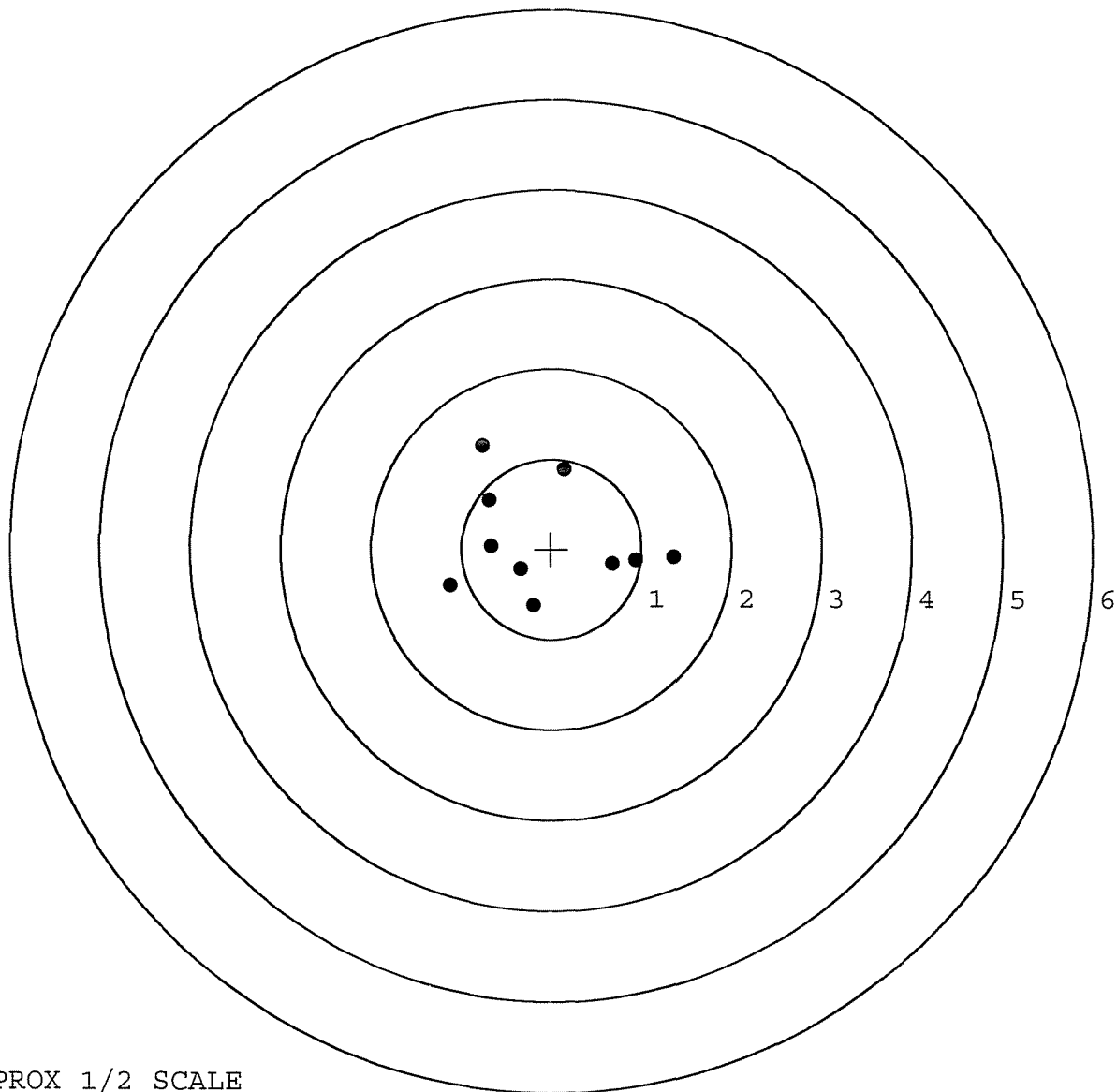
MEAN RADIUS: 0.905

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	1.356	-0.087
2:	0.938	-0.122
3:	0.678	-0.160
4:	-0.205	-0.631
5:	-1.123	-0.413
6:	-0.342	-0.222
7:	0.142	0.887
8:	-0.699	0.550
9:	-0.767	1.152
10:	-0.673	0.040



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611721. 0

TARGET NUMBER: 3

FILE DATE: 05/08/2007

FILE TIME: 12:47

X CENTROID: -0.115

Y CENTROID: -0.075

POA TO CENTROID: 0.137

HORZ SPREAD: 2.150

VERT SPREAD: 1.614

GROUP SPREAD: 2.223

MIN RADIUS: 0.314

MAX RADIUS: 1.364

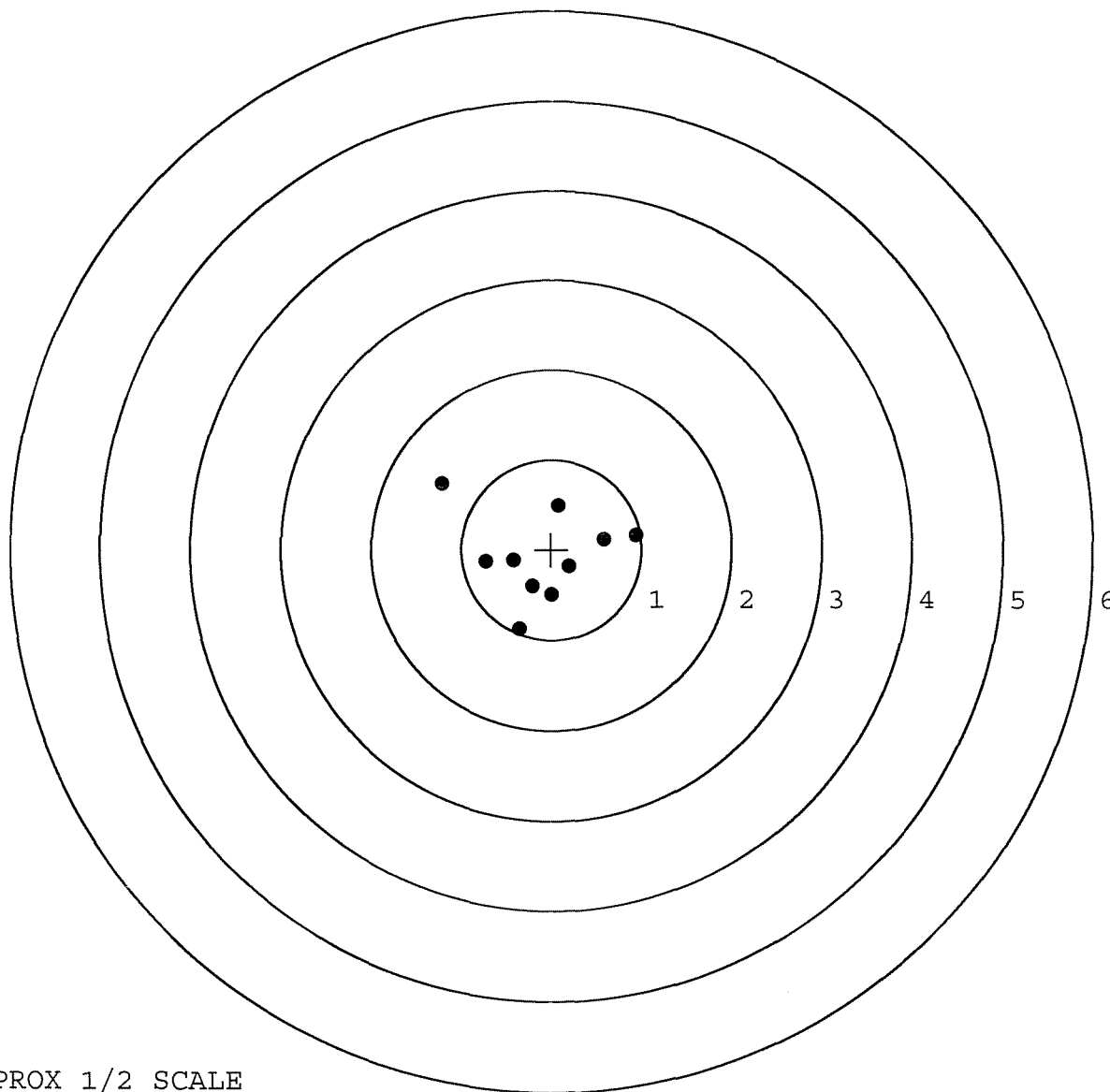
MEAN RADIUS: 0.667

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.936	0.166
2:	0.585	0.115
3:	0.196	-0.192
4:	0.001	-0.506
5:	-0.215	-0.413
6:	-0.364	-0.882
7:	-0.727	-0.136
8:	0.079	0.488
9:	-1.214	0.732
10:	-0.425	-0.122



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611721. __0

TARGET NUMBER: 4

FILE DATE: 05/08/2007

FILE TIME: 12:47

X CENTROID: -0.008

Y CENTROID: -0.086

POA TO CENTROID: 0.086

HORZ SPREAD: 1.684

VERT SPREAD: 1.740

GROUP SPREAD: 1.886

MIN RADIUS: 0.250

MAX RADIUS: 1.031

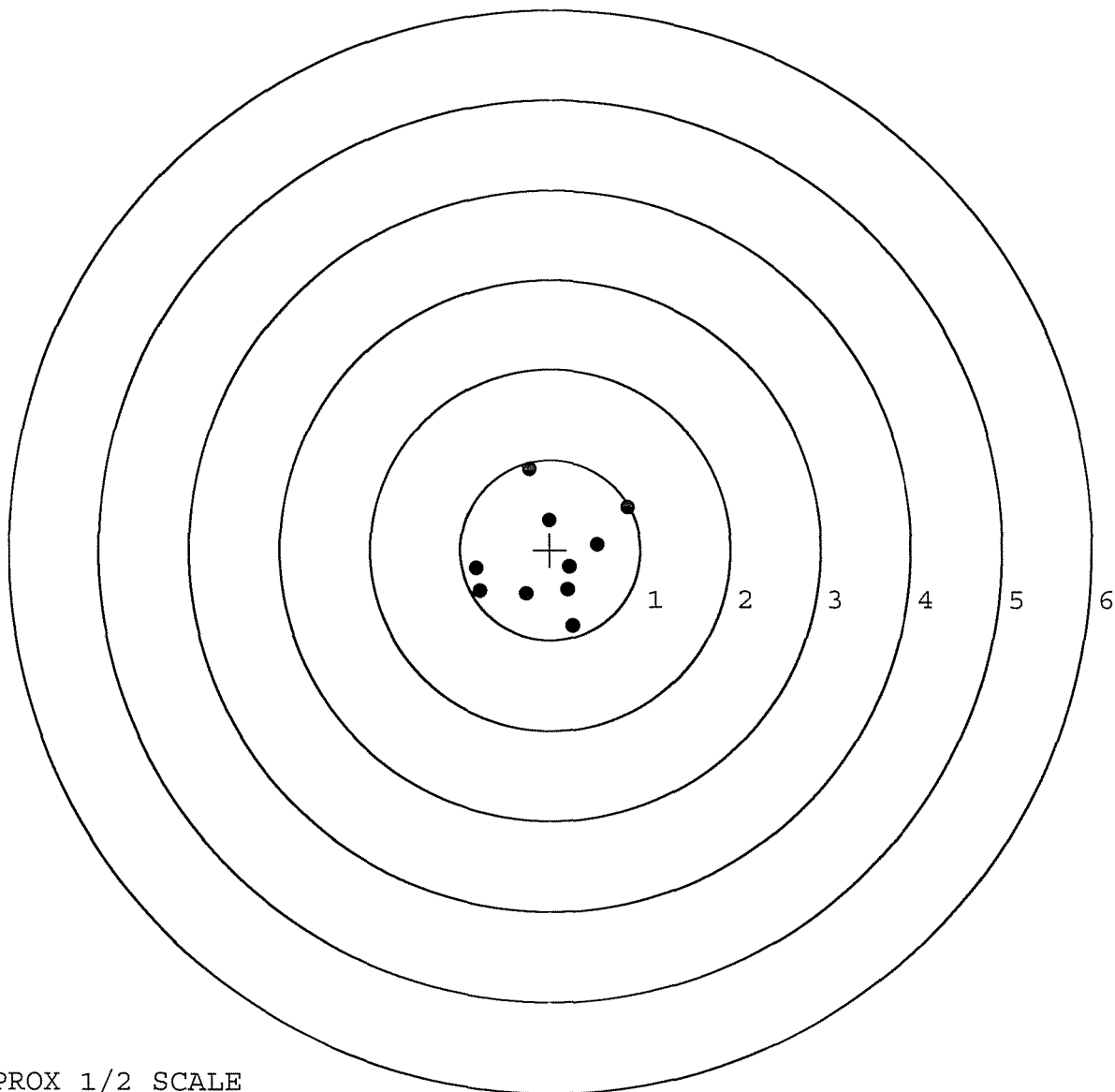
MEAN RADIUS: 0.664

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.234	0.899
2:	-0.015	0.329
3:	0.858	0.474
4:	0.526	0.063
5:	0.219	-0.189
6:	0.197	-0.445
7:	0.249	-0.841
8:	-0.271	-0.488
9:	-0.784	-0.454
10:	-0.826	-0.204



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611721. __0

TARGET NUMBER: 5

FILE DATE: 05/08/2007

FILE TIME: 12:47

X CENTROID: -0.083

Y CENTROID: -0.237

POA TO CENTROID: 0.251

HORZ SPREAD: 1.812

VERT SPREAD: 2.474

GROUP SPREAD: 2.474

MIN RADIUS: 0.187

MAX RADIUS: 1.334

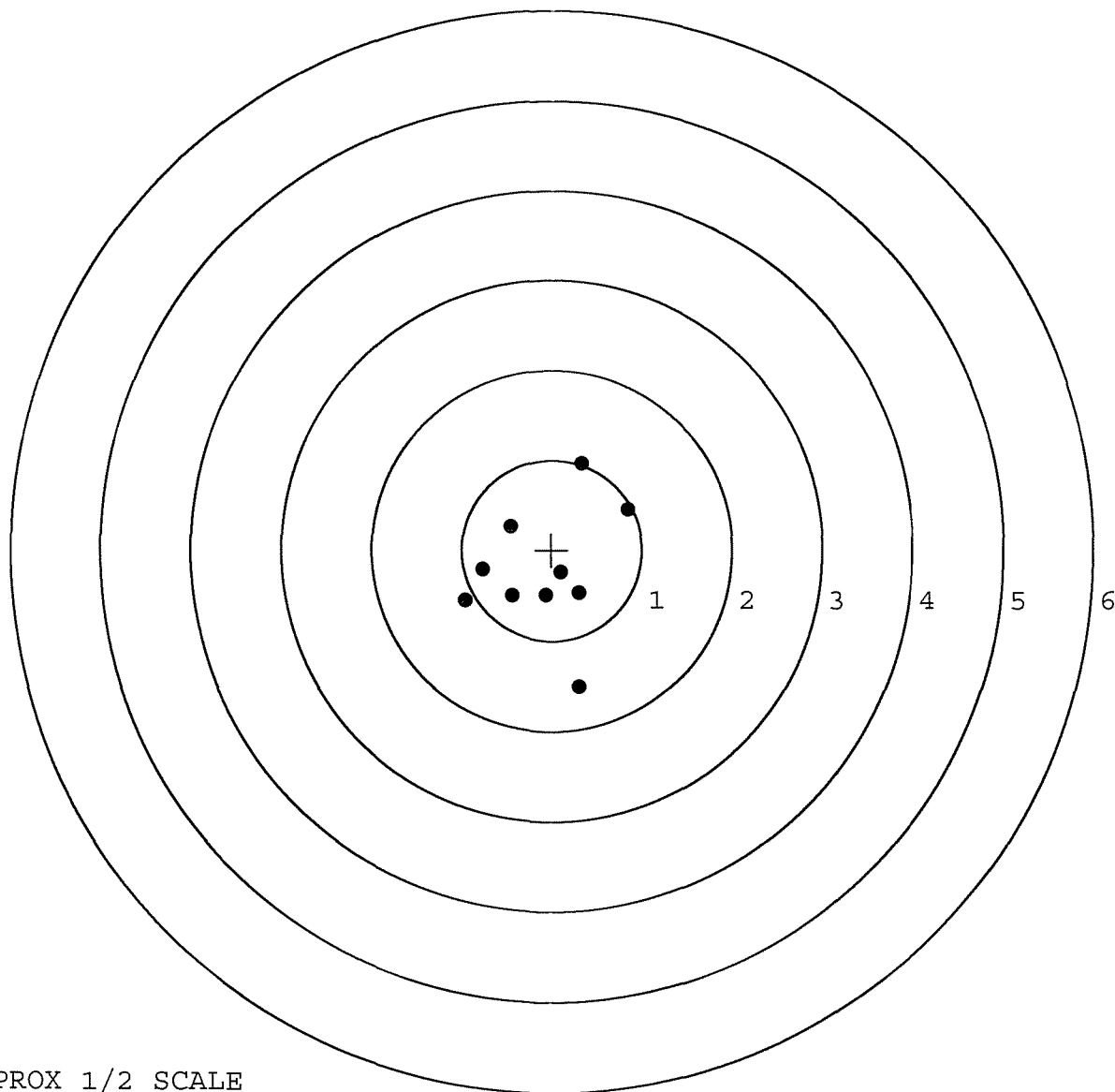
MEAN RADIUS: 0.736

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.304	-1.513
2:	-0.966	-0.563
3:	-0.769	-0.221
4:	0.300	-0.476
5:	-0.071	-0.502
6:	-0.443	-0.507
7:	-0.462	0.256
8:	0.846	0.450
9:	0.330	0.961
10:	0.104	-0.253



TARGET APPROX 1/2 SCALE

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

R & E NUMBER		127463	
SERIAL NUMBER		C6611721	
LOG-IN DATE		3-30-07	
OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	4-18-07	RTZ
505	RE-BARREL	4-26-07	RTZ
560	ASSEMBLE	4-19-07	TRW
600	PROOF	4-19-07	TRW
605	CHECK HEADSPACE	4-19-07	TRW
610	DIS-ASSEMBLE GUN	4-26-07	RTZ
612	MAGNAFLUX	4/24/07	unus
510	DRILL AND TAP	4-24-07	TRW
615	ROLLMARK CALIBER	4-24-07	CW
618	ROTO-BLAST	4-24-07	LB
620	APPLY COATINGS	4/27/07	wh
625	FINAL ASSEMBLY	5-7-07	RTZ
640	FUNCTION TEST AND	PASS FAIL	5-7-07 unus
650	TARGET	PASS FAIL	5-7-07 unus
	MALFUNCTION	CORRECTION	5-14-07 RTZ
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION		5-14-07 RTZ
	A) HEADSPACE	PASS FAIL	5-14-07 RTZ
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	2.65 2.82 2.79 2.81 2.77 5-9-07 TRW
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS MAX	4.0 4.25 4.75 5-9-07 TRW
	G) SAFETY OFF FORCE	2 LBS MIN	3.5 3.5 3.5 5-9-07 TRW
	I) FIRING PIN INDENT	.020	.0225 .0225 .0225 5-9-07 TRW
690	PACK		5-14-07 OA




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

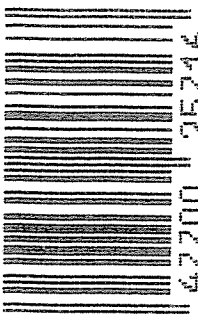
MODEL 700™ H24

SERIAL NO.
C6611721

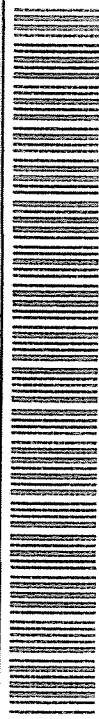
ORDER NO.
5716

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

UPC



0 47700 25746 2



5716 C6611721

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6611721

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		1/16/91	KR
615	Rollmark Caliber		1/16/91	LS.
617	Drill and Tap Sight Holes	1 17 91		LB
618	Polish Barrel	1 17 91		WB
620	Apply Coatings (Barrel Action)		2-17-91	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		3/8/91	TD

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4	4	4			3/9/91	JP
	G) Safety Off Force	2	2	2			3/9/91	JP
	H) Trigger Pull Test & Retainability						3/8/91	JP
	I) Firing Pin Indent	.0215	.021	.021			3/9/91	JP
	J) Assemble Stock						3/9/91	RW
	K) Assemble Swivel Studs						3/12/91	JP
	L) Attach Front and Rear Sight Assemblies						3/9/91	RW
	M) Iron Sight Alignment						3/9/91	RW
	N) Detach Front & Rear Sights & place in numbered container						3/9/91	RW
	O) Attach Scope to Rifle						3/9/91	RW
	P) Detach & Attach Scope 20 Times						3/9/91	RW
640	Gallery Target & Test						3-11-91	NE
	A) Time						"	NE
	B) Malfunctions						"	NE
	C) Pierced Primers						"	NE
	D) Optical Clarity of Scope						"	NE
645	Inspect for Live Ammo						3-11-91	NE
655	Final Inspection							
	A) Headspace						3/12/91	JP
	B) Trigger Pull	2.46	2.41	2.41	2.45	2.48	3-12-91	JP
	C) Function						3/12/91	JP
660	Pack						3-20-91	JP

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6611721

DATE 3-8-91

TESTER JM

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.43	2.22	2.48	2.46	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.36	2.52	2.48	2.41	
PULL #3	2.24	2.46	2.46	2.41	
PULL #4	2.28	2.46	2.40	2.45	
PULL #5	2.32	2.50	2.44	2.48	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.38	3.29		
PULL #2	3.27	3.34		
PULL #3	3.18	3.32		
PULL #4	3.41	3.23		
PULL #5	3.31	3.27		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.32	4.33		4.28
PULL #2	4.14	4.30		4.28
PULL #3	4.19	4.31		4.30
PULL #4	4.20	4.26		4.30
PULL #5	4.19	4.29		4.28
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6611721
11 Mar 1991

CENTROIDAL DISTANCES

0 TO 1 .0857263
1 TO 2 .104623
1 TO 3 .0847231
1 TO 4 .233925
1 TO 5 .121413

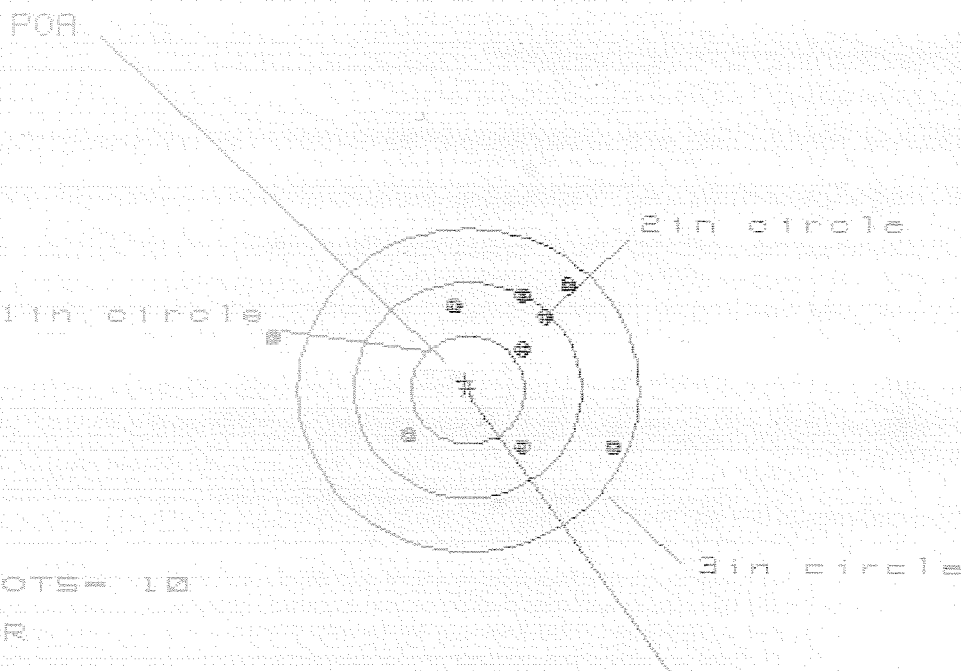
* ----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0074
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0068
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0100499
THE AMR FOR THIS RIFLE IS: .9704

11 Mar 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611421

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1in = 0

2in = 6

3in = 8

HS= 3.264

VS= 3.743

GS= 4.676

CENTROID *

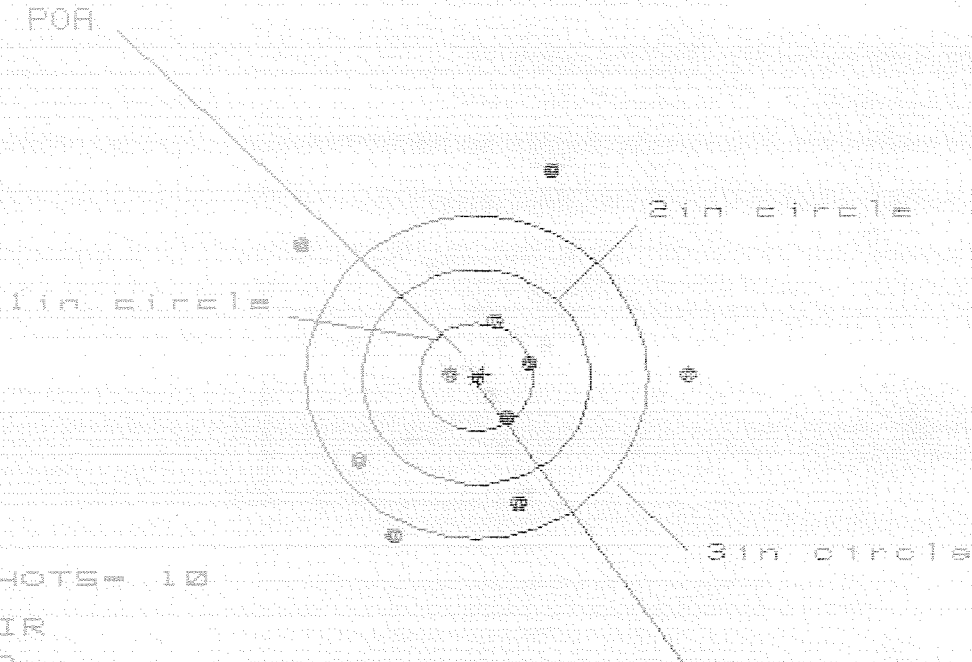
PATTERN #		10	9	8
SHOTS (BEST OF)		10	9	8
MAXIMUM X		1.321	1.105	.866
MINIMUM X		-1.943	-1.916	-.969
MAXIMUM Y		1.018	.715	.736
MINIMUM Y		-2.725	-.813	-.792
CENTROID X		.025	.241	.481
CENTROID Y		-.082	.221	.200
POA TO CENTROID in.		.086	.327	.521
MIN RADIUS		.655	.311	.143
MEAN RADIUS		1.259	.916	.744
MAX RADIUS		3.347	1.923	1.212
HORIZONTAL SPREAD		3.264	3.021	1.834
VERTICAL SPREAD		3.743	1.528	1.528
EXTREME SPREAD		4.676	3.173	2.007
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		8	

11 Mar 1991

FILE:/PATTERNING/CENTERFIRE_PATT/CS611421

CENTERFIRE PATTERNS

2



OF SHOTS= 10

IN CIR

1in = 3

2in = 4

3in = 6

HS= 3.419

VS= 3.356

GS= 3.637

CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.838	1.908	1.719
MINIMUM X	:	-1.581	-1.511	-1.143
MAXIMUM Y	:	1.909	1.437	.886
MINIMUM Y	:	-1.447	-1.235	-1.056
CENTROID X	:	-.064	-.134	.055
CENTROID Y	:	-.027	-.239	-.418
POR TO CENTROID in.	:	.069	.274	.422
MIN RADIUS	:	.275	.303	.116
MEAN RADIUS	:	1.168	1.063	.915
MAX RADIUS	:	2.011	2.085	1.769
HORIZONTAL SPREAD	:	3.419	3.419	2.862
VERTICAL SPREAD	:	3.356	2.672	1.942
EXTREME SPREAD	:	3.637	3.623	2.995
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		6	

11 Mar 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8611421

CENTERFIRE PATTERNS

3

POA

1in circle

2in circle

3in circle

OF SHOTS= 10

IN CIR

1in = 4

2in = 7

3in = 10

HS= 1.687

VS= 2.147

GS= 2.271

CENTROID #

PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.601	.488	.517
MINIMUM X	:	-1.086	-.662	-.625
MAXIMUM Y	:	1.084	1.126	.998
MINIMUM Y	:	-1.063	-1.021	-.782
CENTROID X	:	-.048	.073	.036
CENTROID Y	:	-.039	-.081	.047
POA TO CENTROID in.	:	.062	.109	.059
MIN RADIUS	:	.143	.073	.134
MEAN RADIUS	:	.676	.603	.539
MAX RADIUS	:	1.150	1.211	1.079
HORIZONTAL SPREAD	:	1.687	1.142	1.142
VERTICAL SPREAD	:	2.147	2.147	1.780
EXTREME SPREAD	:	2.271	2.271	1.862
NUMBER IN ONE INCH CIRCLE	=	4		
NUMBER IN TWO INCH CIRCLE	=	7		
NUMBER IN THREE INCH CIRCLE	=	10		

11 Mar 1981

FILE:/PATTERNING/CENTERFIRE_PATT/C6B11421

CENTERFIRE PATTERNS

4

POA

1 in circle

2 in circle

3 in circle

OF SHOTS= 10

IN CIR

1 in = 2

2 in = 8

3 in = 9

HS= 1.808

VS= 2.541

GS= 2.758

CENTROID #

PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.639	.509	.481
MINIMUM X	:	-1.169	-.620	-.648
MAXIMUM Y	:	1.433	1.310	.982
MINIMUM Y	:	-1.108	-1.034	-.870
CENTROID X	:	.089	.219	.247
CENTROID Y	:	.143	.266	.102
POA TO CENTROID in.	:	.168	.344	.267
MIN RADIUS	:	.313	.134	.261
MEAN RADIUS	:	.880	.772	.700
MAX RADIUS	:	1.610	1.329	.983
HORIZONTAL SPREAD	:	1.808	1.129	1.129
VERTICAL SPREAD	:	2.541	2.344	1.852
EXTREME SPREAD	:	2.758	2.351	1.892
NUMBER IN ONE INCH CIRCLE	=	2		
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		9	

11 Mar 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611421

CENTERFIRE PATTERNS

5

POA

1 in circle

2 in circle

3 in circle

OF SHOTS- 10

IN CIR

1 in = 4

2 in = 7

3 in = 8

HS= 2.536

VS= 2.792

GS= 2.882

CENTROID *

PATTERN #

5

SHOTS (BEST OF)

10

9

8

MAXIMUM X	1.390	1.263	.464
MINIMUM X	-1.146	-.557	-.399
MAXIMUM Y	1.160	.979	.883
MINIMUM Y	-1.632	-.987	-1.083
CENTROID X	.035	.162	.004
CENTROID Y	.039	.220	.316
POA TO CENTROID in.	.052	.273	.316
MIN RADIUS	.201	.290	.207
MEAN RADIUS	.869	.726	.596
MAX RADIUS	1.994	1.479	1.167
HORIZONTAL SPREAD	2.536	1.820	.863
VERTICAL SPREAD	2.792	1.966	1.966
EXTREME SPREAD	2.882	2.524	2.135
NUMBER IN ONE INCH CIRCLE =		4	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		8	