

C6611658

MODEL 700TM M24

Model **SWS**TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

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: RE00133008

Serial: C6611658 Model M24 SWS Center Fire
Caliber: 7.62 NATO Produced: 06/19/1991

Repairman:

Verify Repair

High Priority

Status:

Closed 8/21/2007 11:40:16 AM

Address Information

Customer:

Received From

Return To:

Received From

Name: C TRP 2/101 CAV

C TRP 2/101 CAV

Address 1: 27 MASTEN AVE

27 MASTEN AVE

Address 2:

PO Box:

PO Box:

City: BUFFALO

BUFFALO

State: NY

Zip Code: 14204

Country: US

State: NY

Zip Code: 14204

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
A057	Fit and Rear Sgt Base	1
D000	SCOPE CASE	1

Repair Search

Refresh

Close

nagletj

8/22/2007

7:52 AM

CAPS

NUM

INS

SCRL



Inbox - Micr...

Calendar - M...

FW: Restrict...

Arms Service...

7:52 AM

Serial Number: C6611658

Model: M24 SWS



RE00133008

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6611658.__0
FILE DATE AND TIME: 09/06/2007 22:49

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.042
The Average Y Centroid of the Five Target Set:	0.032
The Average Point of Impact of the Five Target Set:	0.053
The Average Mean Radius of the Five Target Set:	0.700
The Distance from POA to Centroid Target #1:	0.148
The Distance from Centroid Target #2 to Centroid Target #1:	0.282
The Distance from Centroid Target #3 to Centroid Target #1:	0.118
The Distance from Centroid Target #4 to Centroid Target #1:	0.051
The Distance from Centroid Target #5 to Centroid Target #1:	0.349

SERIAL NUMBER: C6611658.___0

TARGET NUMBER: 1

FILE DATE: 09/06/2007

FILE TIME: 22:49

POINT#	X	Y
1:	0.382	0.993
2:	0.606	0.192
3:	0.251	0.052
4:	0.029	0.411
5:	-0.326	0.146
6:	-0.154	0.064
7:	-0.491	-0.367
8:	-0.150	-0.505
9:	0.384	-0.520
10:	-1.292	0.808

X CENTROID: -0.076

Y CENTROID: 0.127

POA TO CENTROID: 0.148

HORZ SPREAD: 1.898

VERT SPREAD: 1.513

GROUP SPREAD: 2.138

MIN RADIUS: 0.100

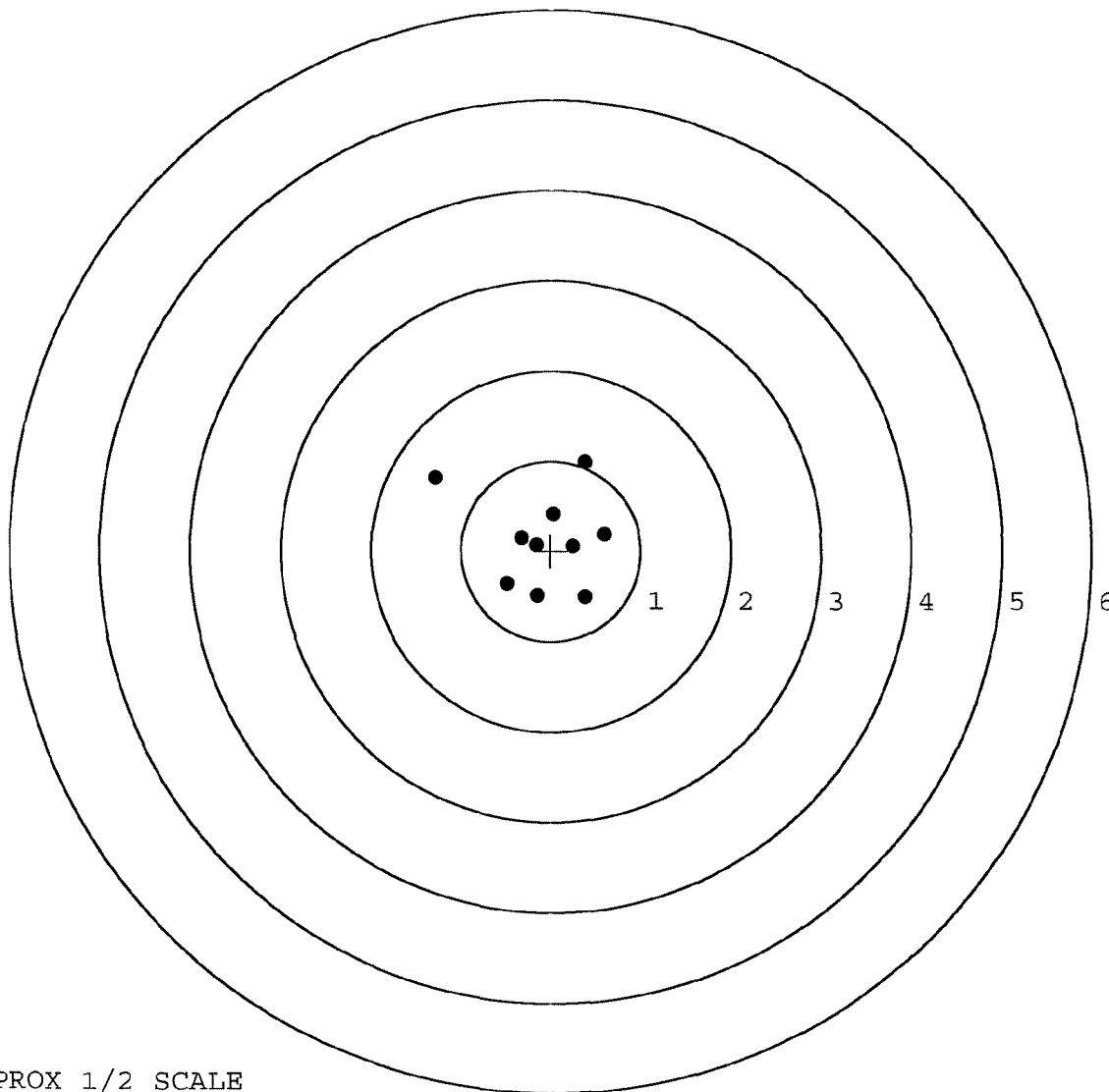
MAX RADIUS: 1.393

MEAN RADIUS: 0.612

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611658. 0

TARGET NUMBER: 2

FILE DATE: 09/06/2007

FILE TIME: 22:49

POINT#	X	Y
1:	-0.345	0.691
2:	0.036	0.476
3:	-0.289	0.322
4:	-0.664	0.301
5:	-0.263	-0.355
6:	0.212	-0.391
7:	0.002	-0.758
8:	0.920	-0.281
9:	1.285	-0.402
10:	0.050	-0.581

X CENTROID: 0.094

Y CENTROID: -0.098

POA TO CENTROID: 0.136

HORZ SPREAD: 1.949

VERT SPREAD: 1.449

GROUP SPREAD: 2.072

MIN RADIUS: 0.316

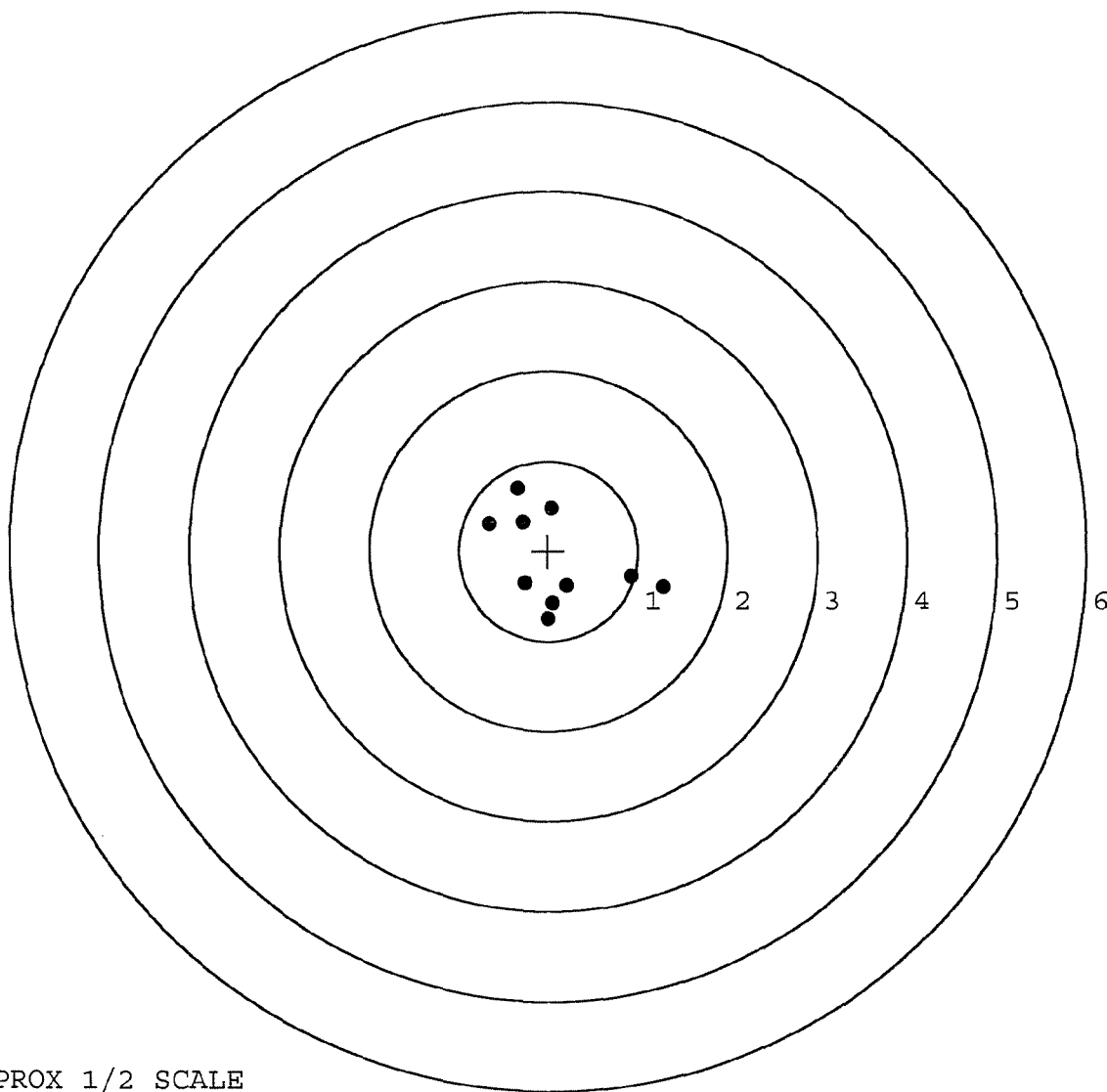
MAX RADIUS: 1.229

MEAN RADIUS: 0.689

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611658.___0

TARGET NUMBER: 3

FILE DATE: 09/06/2007

FILE TIME: 22:49

POINT#	X	Y
1:	-0.816	1.157
2:	-0.885	0.455
3:	-0.560	0.214
4:	-0.377	-0.007
5:	-0.169	-0.664
6:	0.448	-0.304
7:	0.749	-0.197
8:	0.975	-0.131
9:	0.875	0.494
10:	0.178	0.170

X CENTROID: 0.042

Y CENTROID: 0.119

POA TO CENTROID: 0.126

HORZ SPREAD: 1.860

VERT SPREAD: 1.821

GROUP SPREAD: 2.206

MIN RADIUS: 0.146

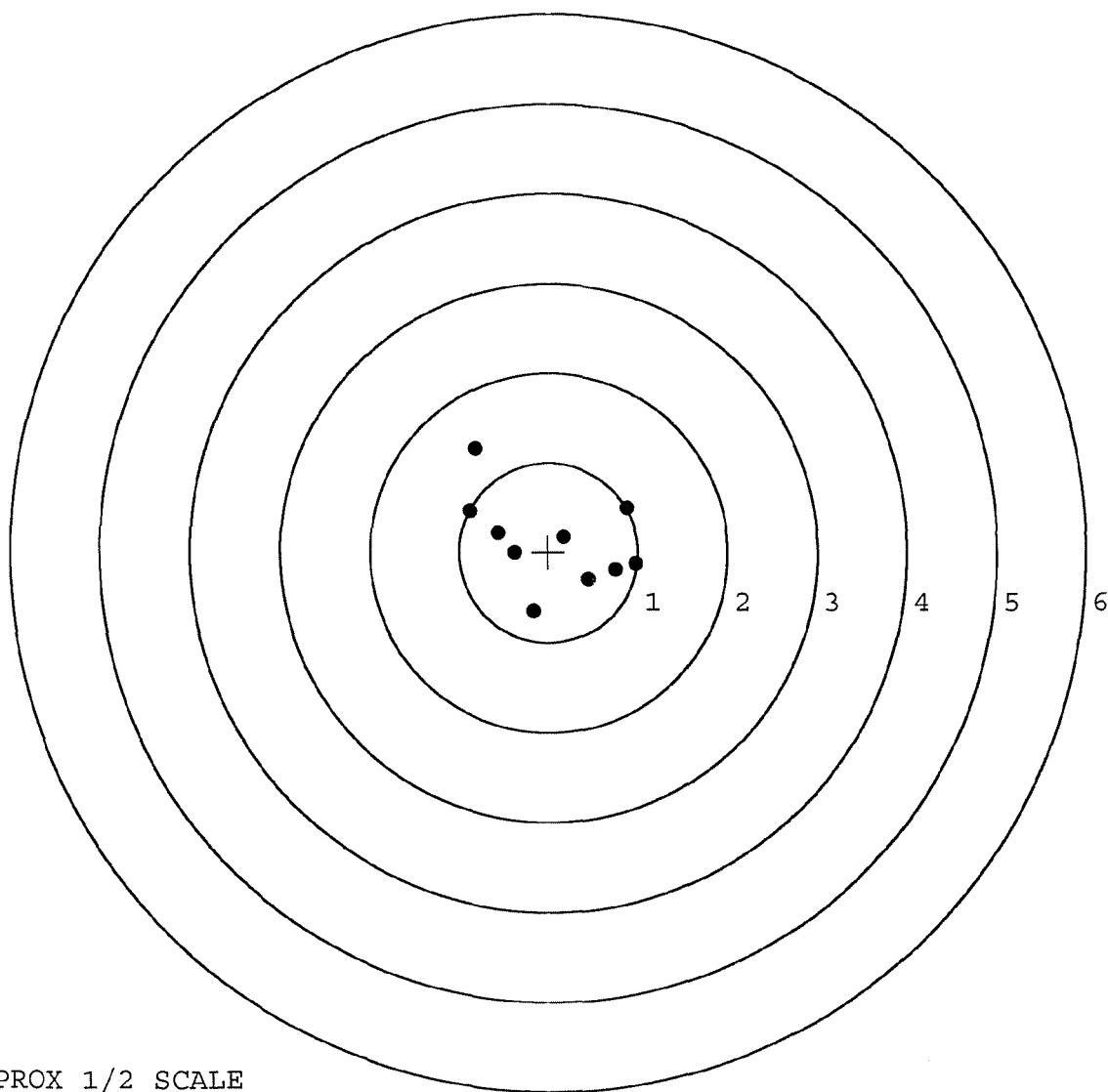
MAX RADIUS: 1.347

MEAN RADIUS: 0.758

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611658. 0

TARGET NUMBER: 4

FILE DATE: 09/06/2007

FILE TIME: 22:49

POINT#	X	Y
1:	-0.115	0.942
2:	-0.098	0.662
3:	-0.347	0.797
4:	0.585	0.265
5:	0.643	-0.377
6:	0.031	0.090
7:	-0.140	-0.273
8:	-0.311	-0.144
9:	-0.422	-0.970
10:	-0.445	-0.205

X CENTROID: -0.062

Y CENTROID: 0.079

POA TO CENTROID: 0.100

HORZ SPREAD: 1.088

VERT SPREAD: 1.912

GROUP SPREAD: 1.936

MIN RADIUS: 0.094

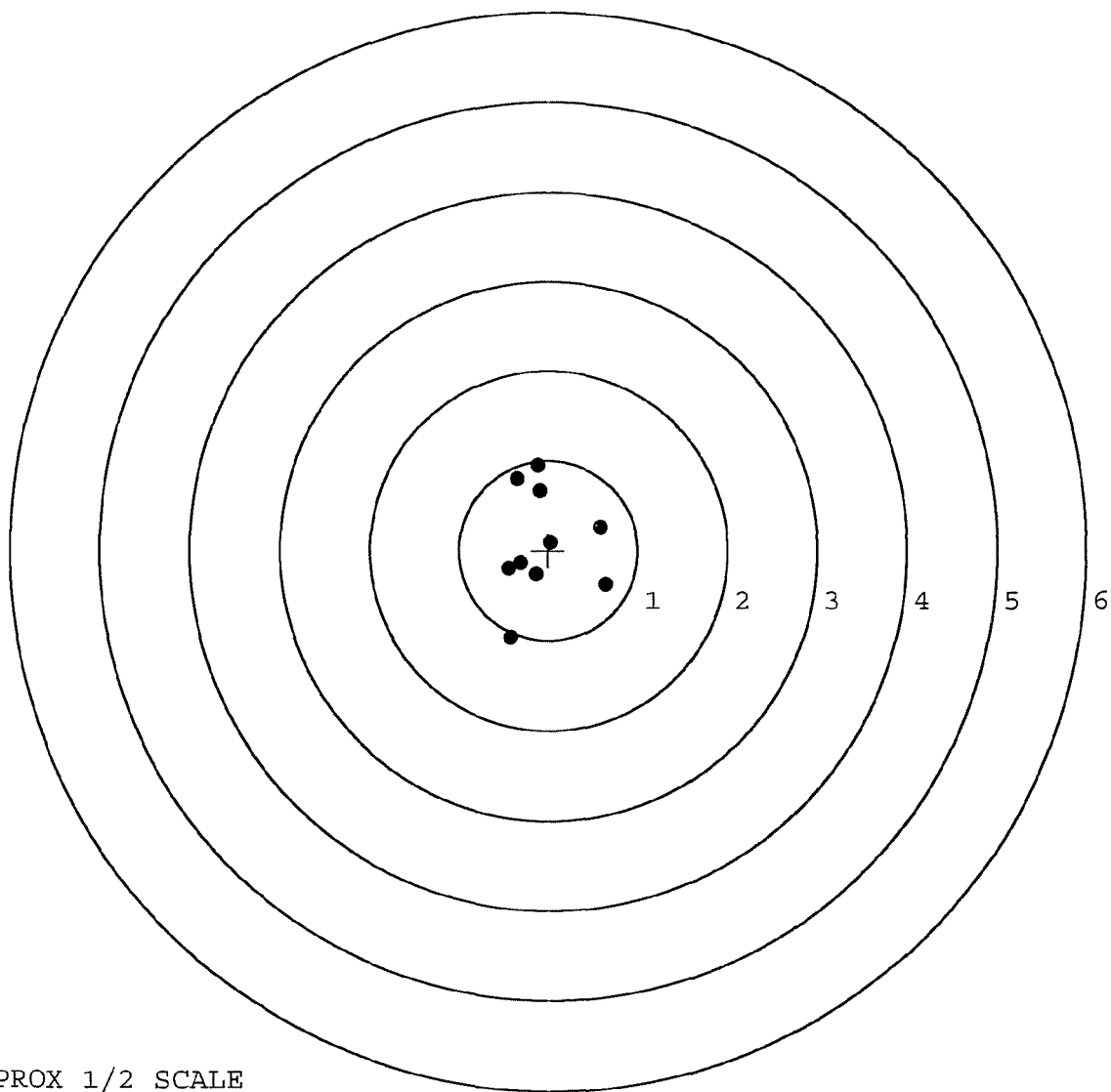
MAX RADIUS: 1.109

MEAN RADIUS: 0.611

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611658. __0

TARGET NUMBER: 5

FILE DATE: 09/06/2007

FILE TIME: 22:49

POINT#	X	Y
1:	-0.369	0.965
2:	0.652	0.453
3:	1.459	-0.259
4:	1.522	-0.446
5:	0.335	-0.184
6:	-0.291	0.255
7:	-0.640	0.141
8:	-0.284	-0.175
9:	0.164	-0.996
10:	-0.420	-0.430

X CENTROID: 0.213

Y CENTROID: -0.068

POA TO CENTROID: 0.223

HORZ SPREAD: 2.162

VERT SPREAD: 1.961

GROUP SPREAD: 2.359

MIN RADIUS: 0.169

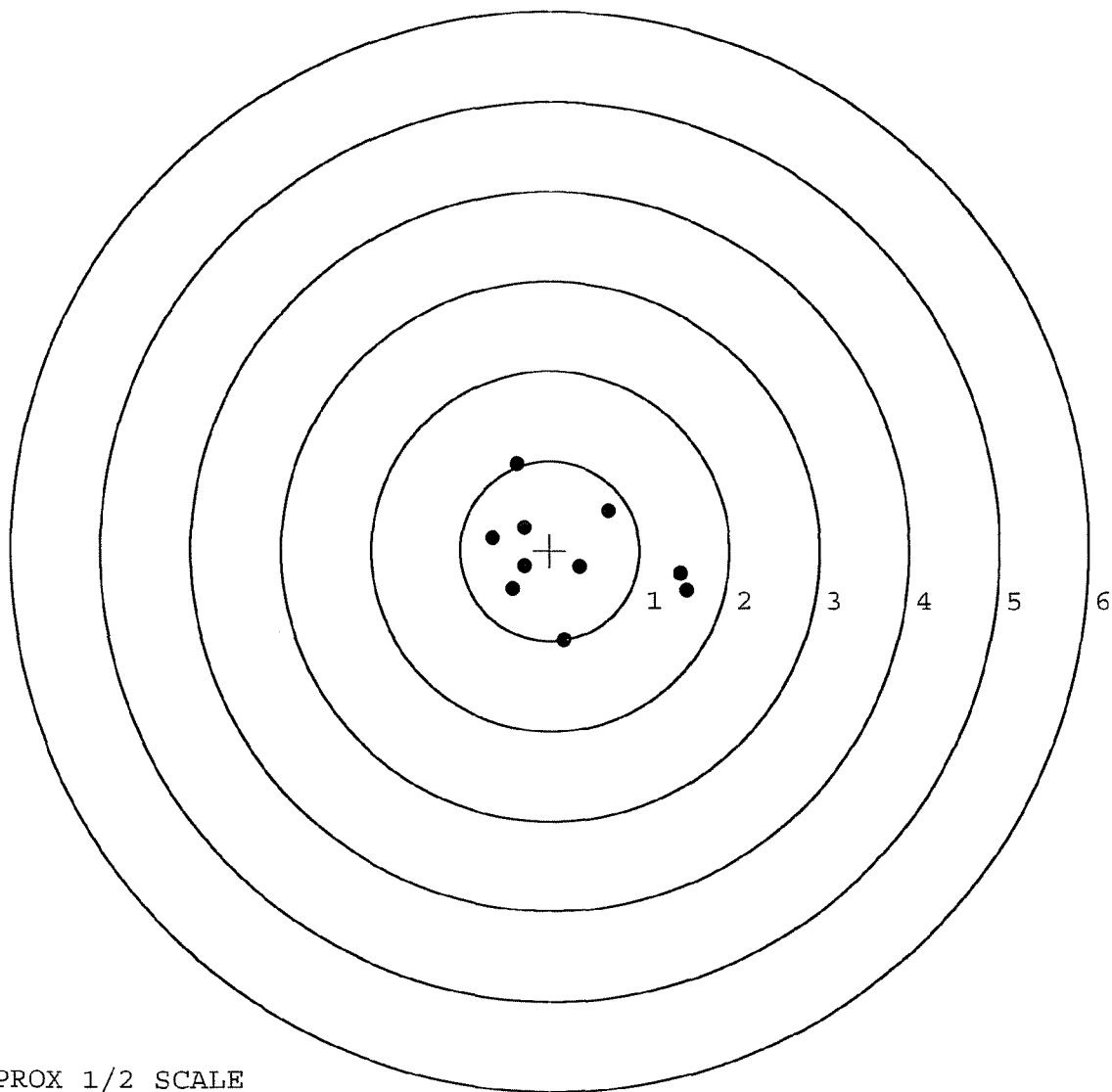
MAX RADIUS: 1.363

MEAN RADIUS: 0.830

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

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

R & E NUMBER		<u>133008</u>	
SERIAL NUMBER		<u>C6611658</u>	
LOG-IN DATE		<u>8-21-07</u>	

OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	8-22-07	RTZ
505	RE-BARREL	8-23-07	RTZ
560	ASSEMBLE	8-23-07	RTZ
600	PROOF	8-23-07	mm
605	CHECK HEADSPACE	8-23-07	mm
610	DIS-ASSEMBLE GUN	8-25-07	RTZ
612	MAGNAFLUX	8-30-07	JB
510	DRILL AND TAP	8-27-07	TRW
615	ROLLMARK CALIBER	8-28-07	CW
618	ROTO-BLAST	8-30-07	LY
620	APPLY COATINGS	8/31/07	RB
625	FINAL ASSEMBLY	9-6-07	RTZ
640	FUNCTION TEST AND	PASS FAIL	9/6/07 mm
650	TARGET	PASS FAIL	9/6/07 mm
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION		9-6-07 SD
	A) HEADSPACE	PASS FAIL	9-11-07 RTZ
	B) TRIGGER PULL	273 296 294 2.93 2.94 9-10-07	QA
680	F) SAFETY ON FORCE	7.5 7.0 7.5 9-10-07	Fm
	G) SAFETY OFF FORCE	3.0 3.5 3.0 9-10-07	Fm
	I) FIRING PIN INDENT	.023 .023 .023 9-10-07	Fm
690	PACK		9-11-07 QA

Remington[®] **DU PONT**
REGISTERED TRADEMARK

MODEL 700™ M24

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

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

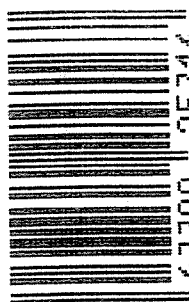
SERIAL NO.
C6611658

ORDER NO.
5716



5716 C6611658

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C661658

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		3/19/91	K.S.
600	Proof		3/18/91	K.S.
607	Check Headspace		3/18/91	K.S.
610	Dis-assemble Gun		3/18/91	K.S.
612	Magnaflux Barrel Action	APR	2 1991	K.C.D.
	Magnaflux Bolt	APR	2 1991	K.C.D.
615	Rollmark Caliber	APR	2 1991	C.P.
617	Drill and Tap Sight Holes	APR	3 1991	F.B.
618	Polish Barrel	APR	3 1991	W.B.
620	Apply Coatings (Barrel Action)		4-19-91	JS
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly		4/26/91	K.S.
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		4/26/91	K.S.
	C) Inspect Ejector Hole for Chamfer		4/26/91	K.S.
	D) Oil Firing Pin Ass'y		4/26/91	K.S.
	E) Adjust Trigger Pull to Min Setting and Stake		4/30/91	JS

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			4/30/91	QJL
	G) Safety Off Force	4	4	4			4/30/91	QJL
	H) Trigger Pull Test & Retainability						4/30/91	QJL
	I) Firing Pin Indent	.022	.022	.022			4/30/91	QJL
	J) Assemble Stock						5/1/91	KS
	K) Assemble Swivel Studs						5-1-91	D/H
	L) Attach Front and Rear Sight Assemblies						5/1/91	KS
	M) Iron Sight Alignment						5/1/91	KS
	N) Detach Front & Rear Sights & place in numbered container						5/1/91	KS
	O) Attach Scope to Rifle						5/1/91	KS
	P) Detach & Attach Scope 20 Times						5/1/91	KS
640	Gallery Target & Test						5/1/91	KT
	A) Time						"	KT
	B) Malfunctions						"	KT
	C) Pierced Primers						"	KT
	D) Optical Clarity of Scope						"	KT
645	Inspect for Live Ammo						5/1/91	KT
655	Final Inspection							
	A) Headspace						5-1-91	D/H
	B) Trigger Pull	2.43	2.35	2.40	2.36	2.48	5/10/91	QJL
	C) Function						5-1-91	D/H
660	Pack						6-18-91	NF

SWS TRIGGER PULL TEST

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

SERIAL NO. C6611658

DATE 4/30/91

TESTER GR

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.26	2.51	2.40	2.43	MIN. SETTING
PULL #2	2.54	2.54	2.51	2.35	NO AVG. OF 5
PULL #3	2.55	2.53	2.50	2.40	READINGS ACCEPT-
PULL #4	2.48	2.53	2.55	2.36	ABLE LESS THAN 2#
PULL #5	2.60	2.32	2.30	2.48	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.24	3.25		
PULL #2	3.20	3.27		
PULL #3	3.36	3.24		
PULL #4	3.38	3.29		
PULL #5	3.45	3.31		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.54	4.46		4.42
PULL #2	4.44	4.42		4.45
PULL #3	4.48	4.46		4.13
PULL #4	4.43	4.45		4.43
PULL #5	4.40	4.38		4.28
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06611658
1 May 1991

CENTROIDAL DISTANCES

0 TO	1	.108757
0 TO	2	.200092
1 TO	3	.246564
1 TO	4	.246416
1 TO	5	.509613

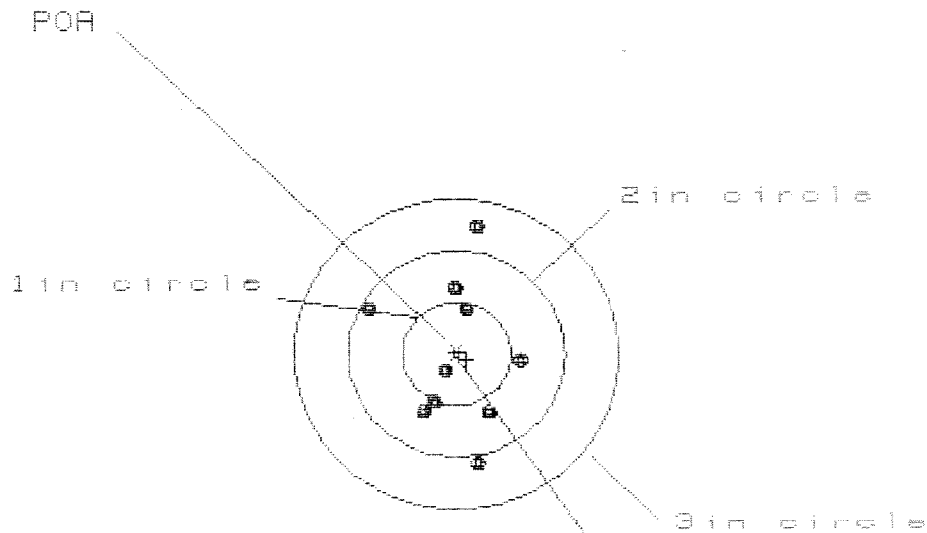
5
5 <----POB

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.104
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .004
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .004
THE ANR FOR THIS RIFLE IS: .817

1 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611658

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 3

2in = 8

3in = 10

HS= 1.428

VS= 2.285

GS= 2.286

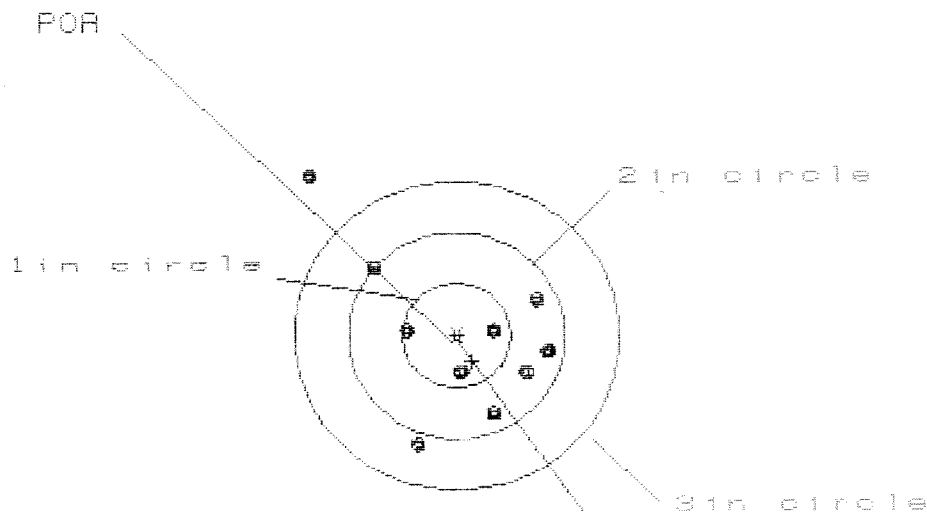
CENTROID #

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.617	.635	.666
MINIMUM X	:	-.811	-.793	-.762
MAXIMUM Y	:	1.216	.824	.708
MINIMUM Y	:	-1.069	-.934	-.553
CENTROID X	:	-.092	-.111	-.142
CENTROID Y	:	.058	-.077	.040
FOR TO CENTROID in.	:	.109	.136	.147
MIN RADIUS	:	.175	.113	.127
MEAN RADIUS	:	.695	.614	.573
MAX RADIUS	:	1.228	.982	.892
HORIZONTAL SPREAD	:	1.428	1.428	1.428
VERTICAL SPREAD	:	2.285	1.758	1.261
EXTREME SPREAD	:	2.286	1.833	1.504
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		10	

1 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8511650

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1 in = 3

2 in = 7

3 in = 9

HS= 2.149

VS= 2.581

GS= 2.826

CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.823	.675	.617
MINIMUM X	:	-1.327	-.943	-1.001
MAXIMUM Y	:	1.541	.838	.730
MINIMUM Y	:	-1.040	-.869	-.653
CENTROID X	:	-.141	.007	.065
CENTROID Y	:	.252	.081	.189
POA TO CENTROID in.	:	.288	.081	.200
MIN RADIUS	:	.363	.252	.176
MEAN RADIUS	:	.843	.654	.604
MAX RADIUS	:	2.033	1.262	1.239
HORIZONTAL SPREAD	:	2.149	1.618	1.618
VERTICAL SPREAD	:	2.581	1.707	1.383
EXTREME SPREAD	:	2.826	1.811	1.811
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

1 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8B11658

CENTERFIRE PATTERNS # 3

POA

1in circle

2in circle

3in circle

OF SHOTS= 10

IN CIR

1in = 4

2in = 10

3in = 10

HS= 1.360

VS= 1.446

GS= 1.687

CENTROID *

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.796	.733	.376
MINIMUM X	:	-.564	-.456	-.364
MAXIMUM Y	:	.653	.565	.580
MINIMUM Y	:	-.792	-.783	-.768
CENTROID X	:	.071	.134	.042
CENTROID Y	:	.243	.332	.317
POA TO CENTROID in.	:	.254	.358	.320
MIN RADIUS	:	.142	.214	.196
MEAN RADIUS	:	.553	.493	.462
MAX RADIUS	:	.973	.784	.770
HORIZONTAL SPREAD	:	1.360	1.189	.740
VERTICAL SPREAD	:	1.446	1.348	1.348
EXTREME SPREAD	:	1.687	1.352	1.352
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		10	
NUMBER IN THREE INCH CIRCLE	=		10	

1 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8811658

CENTERFIRE PATTERNS # 4

POA

1 in circle

2 in circle

3 in circle

CENTROID #

OF SHOTS- 10

IN CIR

1 in = 2

2 in = 4

3 in = 8

HS= 2.296

VS= 2.642

GS= 2.820

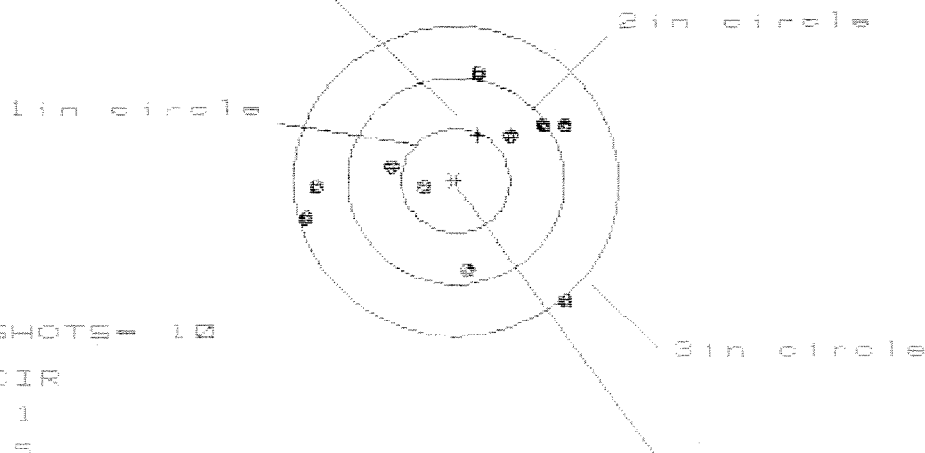
PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.100	.967	.748
MINIMUM X	:	-1.196	-.690	-.570
MAXIMUM Y	:	1.414	1.278	1.133
MINIMUM Y	:	-1.228	-1.162	-1.291
CENTROID X	:	.128	.260	.140
CENTROID Y	:	-.053	.083	.228
POA TO CENTROID in.	:	.138	.273	.269
MIN RADIUS	:	.318	.402	.586
MEAN RADIUS	:	1.015	.938	.868
MAX RADIUS	:	1.714	1.511	1.294
HORIZONTAL SPREAD	:	2.296	1.657	1.318
VERTICAL SPREAD	:	2.642	2.440	2.424
EXTREME SPREAD	:	2.820	2.770	2.428
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		8	

1 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611658

CENTERFIRE PATTERNS # 5

POA



OF SHOTS= 10

IN CIR

1in = 1

2in = 5

3in = 9

HS= 2.401

VS= 2.182

GS= 2.541

CENTROID #

PATTERN #

5

SHOTS (BEST OF)	10	9	8
MAXIMUM X	.991	1.094	.931
MINIMUM X	-1.410	-1.300	-1.360
MAXIMUM Y	.996	.864	.803
MINIMUM Y	-1.186	-.989	-1.050
CENTROID X	-.209	-.319	-.156
CENTROID Y	-.438	-.306	-.245
POA TO CENTROID in.	.485	.442	.290
MIN RADIUS	.302	.287	.445
MEAN RADIUS	.979	.900	.828
MAX RADIUS	1.545	1.391	1.392
HORIZONTAL SPREAD	2.401	2.394	2.291
VERTICAL SPREAD	2.182	1.853	1.853
EXTREME SPREAD	2.541	2.541	2.367
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	9		