

C6611648

MODEL 700™ M24

Model **515**™

Action

Barrel Length

Capacity

Order No. **5715**

* Includes 1 in chamber.

Remington

Smith

Repair Inquiry

Repair Number: **RE00092560**

Serial: C6611648 Model: M24 SWS Center Fire
Caliber: 7.62 NATO

Repairman:

Verify Repair:

Status:

Closed 2/7/2005 8:19:39 AM

Address Information

Customer:

Received From:

Return To:

Received From:

Name: DEF DIST DEPOT ANNISTON

DEF DIST DEPOT ANNISTON

Address 1:

Address 2:

City: ANNISTON

State: AL

Zip Code: 36201 4199

Country: US

ANNISTON

State: AL

Zip Code: 36201 4199

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

indgetj

2/7/2005

10:20 AM

CAPS

NUM

INS

S.F.L

start

3

2

Serial Number: **C6611648**

Model: **M24 SWS**



RE00092560

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6611648.__0

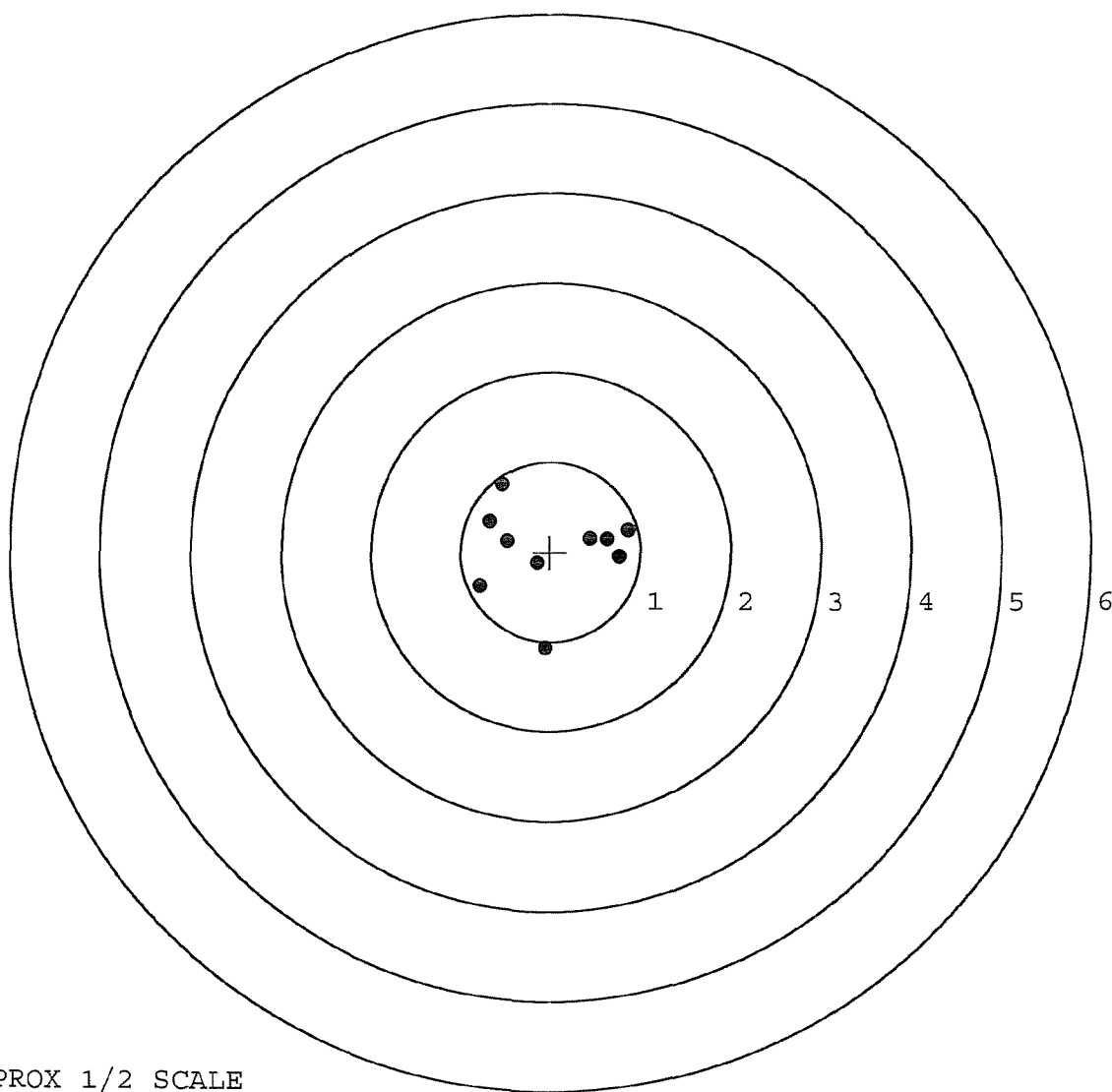
FILE DATE AND TIME: 04/19/2005 06:38

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.004
The Average Y Centroid of the Five Target Set:	0.082
The Average Point of Impact of the Five Target Set:	0.082
The Average Mean Radius of the Five Target Set:	0.918
The Distance from POA to Centroid Target #1:	0.012
The Distance from Centroid Target #2 to Centroid Target #1:	0.155
The Distance from Centroid Target #3 to Centroid Target #1:	0.338
The Distance from Centroid Target #4 to Centroid Target #1:	0.145
The Distance from Centroid Target #5 to Centroid Target #1:	0.619

SERIAL NUMBER: C6611648. __0
TARGET NUMBER: 1
FILE DATE: 04/19/2005
FILE TIME: 06:38

	POINT#	X	Y
	1:	0.773	-0.056
	2:	0.864	0.246
	3:	0.438	0.149
	4:	-0.145	-0.123
	5:	-0.785	-0.381
	6:	-0.482	0.126
	7:	-0.677	0.345
	8:	-0.536	0.750
	9:	0.633	0.144
	10:	-0.056	-1.079
X CENTROID:		0.003	
Y CENTROID:		0.012	
POA TO CENTROID:		0.012	
HORZ SPREAD:		1.649	
VERT SPREAD:		1.829	
GROUP SPREAD:		1.891	
MIN RADIUS:		0.200	
MAX RADIUS:		1.093	
MEAN RADIUS:		0.711	
# IN 1 IN DIAMETER:		3	
# IN 2 IN DIAMETER:		9	
# in 3 IN DIAMETER:		10	



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611648. 0

TARGET NUMBER: 2

FILE DATE: 04/19/2005

FILE TIME: 06:38

X CENTROID: -0.108

Y CENTROID: -0.097

POA TO CENTROID: 0.145

HORZ SPREAD: 1.494

VERT SPREAD: 3.539

GROUP SPREAD: 3.549

MIN RADIUS: 0.197

MAX RADIUS: 1.911

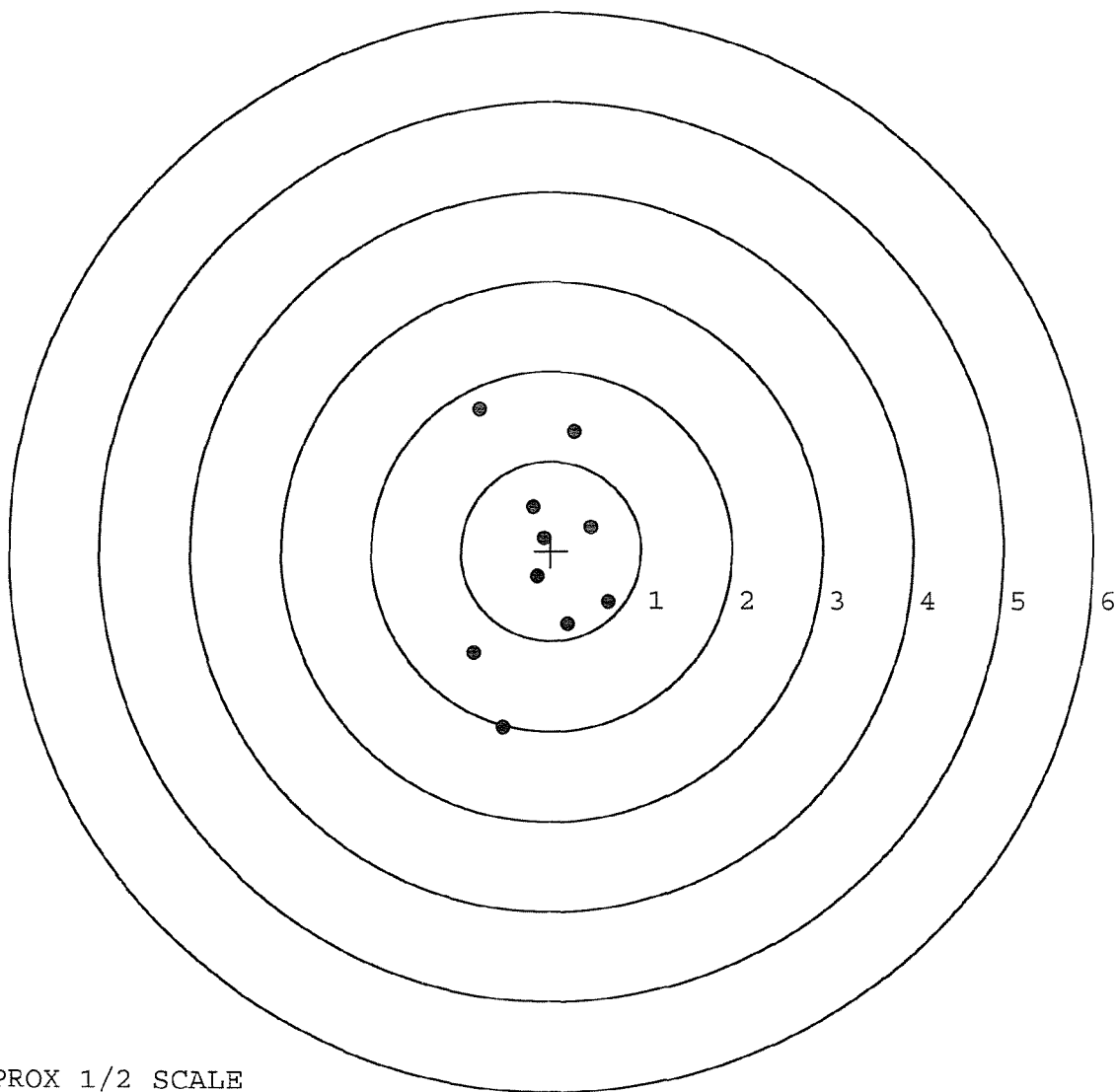
MEAN RADIUS: 0.983

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 8

POINT#	X	Y
1:	0.637	-0.572
2:	0.189	-0.815
3:	-0.152	-0.289
4:	-0.077	0.141
5:	-0.195	0.490
6:	0.442	0.270
7:	0.259	1.329
8:	-0.799	1.578
9:	-0.528	-1.961
10:	-0.857	-1.141

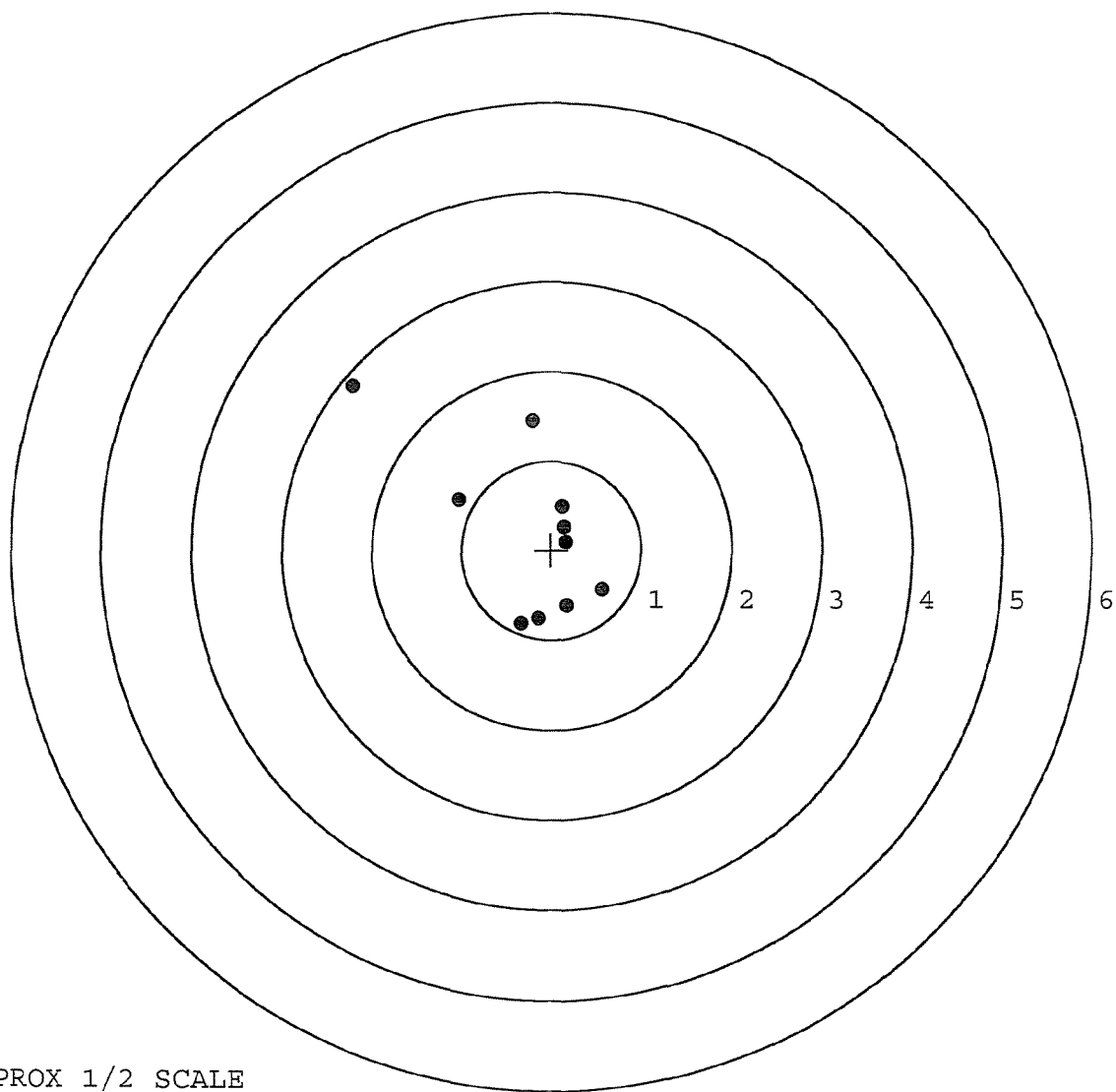


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611648. 0
TARGET NUMBER: 3
FILE DATE: 04/19/2005
FILE TIME: 06:38

X CENTROID: -0.275
Y CENTROID: 0.205
POA TO CENTROID: 0.343
HORZ SPREAD: 2.788
VERT SPREAD: 2.665
GROUP SPREAD: 3.605
MIN RADIUS: 0.423
MAX RADIUS: 2.539
MEAN RADIUS: 1.002
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	-0.144	-0.770
2:	-0.334	-0.823
3:	0.179	-0.624
4:	0.573	-0.444
5:	0.162	0.092
6:	0.145	0.258
7:	0.125	0.492
8:	-1.030	0.572
9:	-0.211	1.452
10:	-2.215	1.842



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611648. 0

TARGET NUMBER: 4

FILE DATE: 04/19/2005

FILE TIME: 06:38

X CENTROID: -0.094

Y CENTROID: -0.097

POA TO CENTROID: 0.135

HORZ SPREAD: 3.353

VERT SPREAD: 1.910

GROUP SPREAD: 3.438

MIN RADIUS: 0.226

MAX RADIUS: 2.266

MEAN RADIUS: 0.940

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 9

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

1:	0.695	-0.510
----	-------	--------

2:	0.712	-0.284
----	-------	--------

3:	1.088	0.016
----	-------	-------

4:	0.555	0.037
----	-------	-------

5:	0.352	-0.033
----	-------	--------

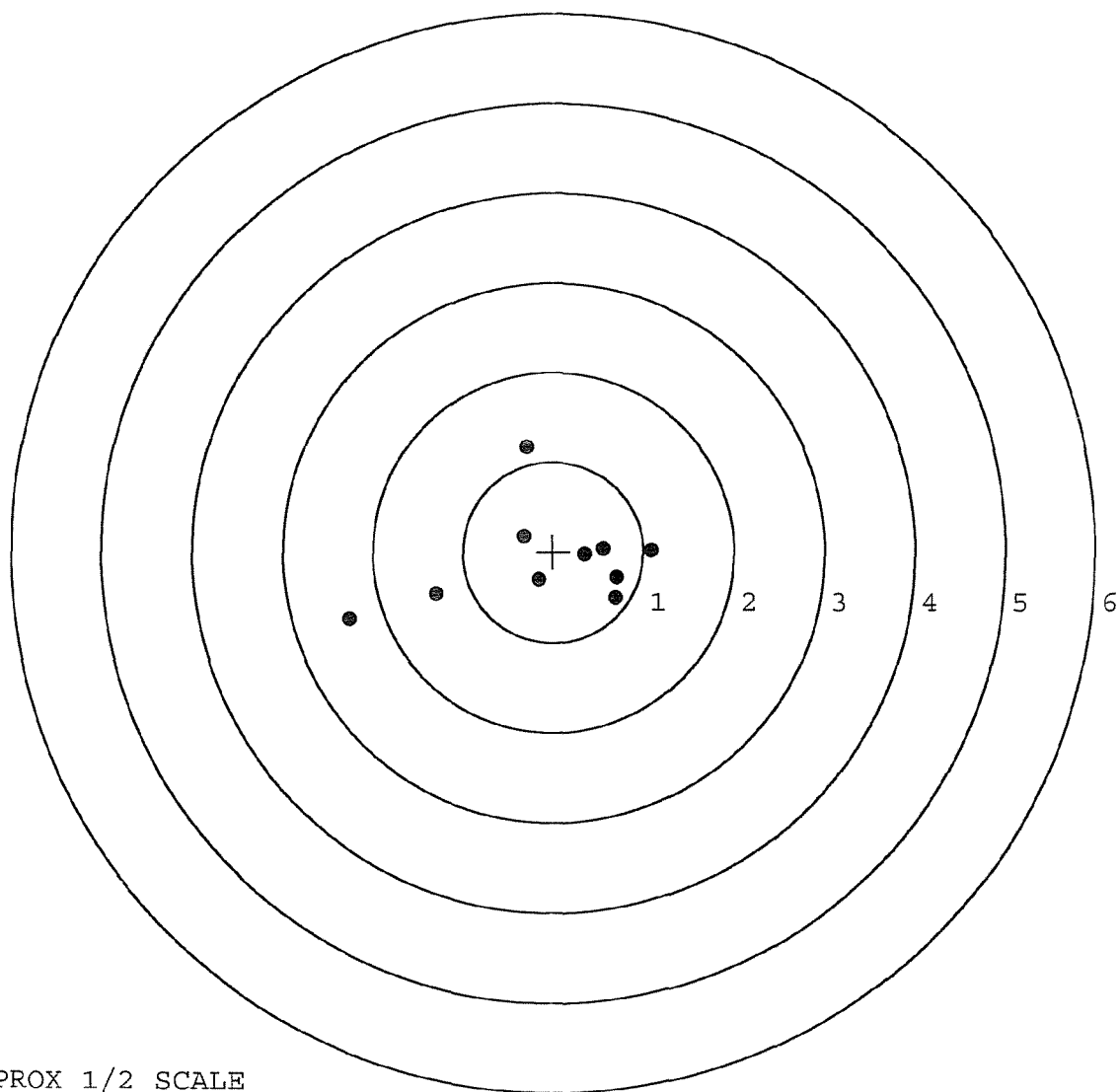
6:	-0.158	-0.313
----	--------	--------

7:	-0.325	0.172
----	--------	-------

8:	-0.295	1.164
----	--------	-------

9:	-1.298	-0.468
----	--------	--------

10:	-2.265	-0.746
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TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611648. 0

TARGET NUMBER: 5

FILE DATE: 04/19/2005

FILE TIME: 06:38

POINT#	X	Y
1:	1.009	-0.525
2:	-0.165	-1.021
3:	-0.348	-0.198
4:	-0.301	0.084
5:	0.289	0.073
6:	0.664	0.226
7:	0.412	0.423
8:	1.258	1.288
9:	1.687	1.764
10:	0.463	1.730

X CENTROID: 0.497

Y CENTROID: 0.384

POA TO CENTROID: 0.628

HORZ SPREAD: 2.035

VERT SPREAD: 2.785

GROUP SPREAD: 3.345

MIN RADIUS: 0.093

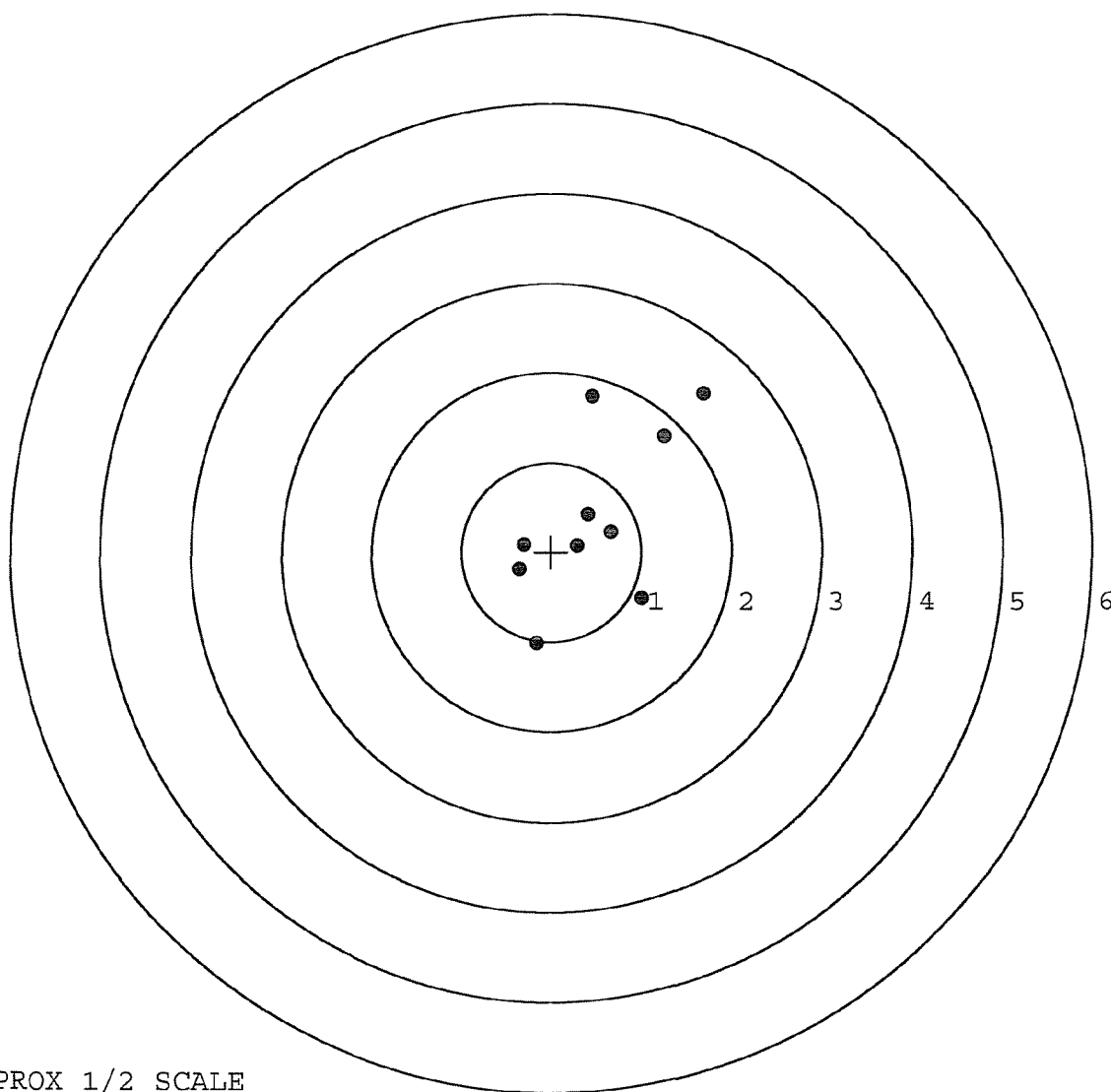
MAX RADIUS: 1.822

MEAN RADIUS: 0.952

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 4

in 3 IN DIAMETER: 8



TARGET APPROX 1/2 SCALE

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

R & E NUMBER	92568		
SERIAL NUMBER	C6611648		
LOG-IN DATE	2-7-05		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	3-15-05	RTZ
560 A	RE-BARREL	3-17-05	RTZ
B	DRILL AND TAP	3-21-05	TRW
575	ASSEMBLE	3-18-05	RTZ
600	PROOF	3-21-05	RTZ
605	CHECK HEADSPACE	3-21-05	RTZ
610	DIS-ASSEMBLE GUN	3-21-05	RTZ
612	MAGNAFLUX	3-21-05	RTZ
615	ROLLMARK CALIBER	3-23-05	CW
618	ROTO-BLAST	3-29	RTZ
620	APPLY COATINGS	4-5	RTZ
625 A	FINAL ASSEMBLY	4-15-05	RTZ
B	TRIGGER PULL TEST	4-20-05	RTZ
C	SAFETY "ON" FORCE	4-20-05	RTZ
D	SAFETY "OFF" FORCE	4-20-05	RTZ
E	FIRING PIN INDENT	4-20-05	RTZ
640	TARGET	4-18-05	TRW
655	FINAL INSPECT	4-20-05	RTZ
660	PACK	4-21-05	DA
		SHIP DATE	
		QAR INSPECTION DATE	

Remington



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

MODEL 700TM M24

SERIAL NO.
C6611648

ORDER NO.
5716

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

20



5716 C6611648

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6611648

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	1 16	91	RW
600	Proof	1 18	91	RW
607	Check Headspace	1 18	91	RW
610	Dis-assemble Gun	1 18	91	RW
612	Magnaflux Barrel Action	1 18	91	KR
	Magnaflux Bolt	1 18	91	KR
615	Rollmark Caliber	1 18	91	LS
617	Drill and Tap Sight Holes	1 24	91	LB
618	Polish Barrel	1 24	91	LB
620	Apply Coatings (Barrel Action)		2-15-91	TS
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		2/18/91	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		2/18/91	RW
	C) Inspect Ejector Hole for Chamfer		2/18/91	RW
	D) Oil Firing Pin Ass'y		2/18/91	RW
	E) Adjust Trigger Pull to Min Setting and Stake		2-21-91	174

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	5	5			2-22-91	DH
	G) Safety Off Force	2½	2½	2½			2-22-91	DH
	H) Trigger Pull Test & Retainability							T
	I) Firing Pin Indent	.0205	.0205	.0205			2-22-91	DH
	J) Assemble Stock						2/28/91	RW
	K) Assemble Swivel Studs						3/2/91	WB
	L) Attach Front and Rear Sight Assemblies						2/28/91	RW
	M) Iron Sight Alignment						2/28/91	RW
	N) Detach Front & Rear Sights & place in numbered container						2/28/91	RW
	O) Attach Scope to Rifle						2/28/91	RW
640	P) Detach & Attach Scope 20 Times						2/28/91	RW
	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
645	D) Optical Clarity of Scope						3-1-91	DH
	Inspect for Live Ammo						3-1-91	DH
655	Final Inspection							
	A) Headspace						3/2/91	WB
	B) Trigger Pull	2.51	2.52	2.54	2.58	2.59	3/2/91	JH
660	C) Function						3/2/91	WB
	Pack						3/4/91	WB

SWS TRIGGER PULL TEST

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

SERIAL NO. C861645

DATE 1-17-81

TESTER W. J. H. H. H.

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	254	253	255	MIN. 2 SETTING,
PULL #2	246	247	252	NO AVG. OF 5
PULL #3	253	252	254	READINGS ACCEPT-
PULL #4	256	255	258	ABLE LESS THAN 2#
PULL #5	243	244	250	2.50# (M)
TOTAL				
AVG.				

	3.00# INITIAL	3.00# AFTER 20 CYCLES	COMMENTS
PULL #1	303	329	
PULL #2	300	334	
PULL #3	319	333	
PULL #4	324	333	
PULL #5	324	333	
TOTAL			
AVG.			

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	416	406		428
PULL #2	425	415		419
PULL #3	413	403		414
PULL #4	415	402		414
PULL #5	417	406		419
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 00511612
1 Mar 1991

CENTROIDAL DISTANCES

1 TO	1	.14120
1 TO	2	.136473
1 TO	3	.149054
1 TO	4	.173081
1 TO	5	.22573

✱ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0484
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0906
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .102718

THE AMR FOR THIS RIFLE IS: .8078

1 Mar 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06611646

CENTERFIRE PATTERNS

#

POA

1 in circle

2 in circle

3 in circle

OF SHOTS- 10

IN CIR

1 in - 3

2 in - 6

3 in - 10

HS- 1.980

VS- 2.339

GS- 2.385

CENTROID *

PATTERN #	:	1	2	3
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.948	.884	.863
MINIMUM X	:	-1.032	-1.096	-1.117
MAXIMUM Y	:	1.154	.828	.696
MINIMUM Y	:	-1.185	-1.056	-.814
CENTROID X	:	.118	.182	.203
CENTROID Y	:	.088	-.041	.091
POA TO CENTROID in.	:	.147	.186	.223
MIN RADIUS	:	.343	.334	.276
MEAN RADIUS	:	.818	.744	.703
MAX RADIUS	:	1.289	1.296	1.250
HORIZONTAL SPREAD	:	1.980	1.980	1.980
VERTICAL SPREAD	:	2.339	1.884	1.510
EXTREME SPREAD	:	2.385	1.982	1.982
NUMBER IN ONE INCH CIRCLE	=	3		
NUMBER IN TWO INCH CIRCLE	=	6		
NUMBER IN THREE INCH CIRCLE	=	10		

1 Mar 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06611648

CENTERFIRE PATTERNS

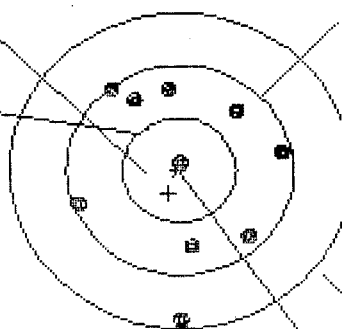
2

POA

1 in circle

2 in circle

3 in circle



OF SHOTS- 10

IN CIR

1 in - 1

2 in - 9

3 in - 10

HS- 1.768

VS= 2.197

GS= 2.264

CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.873	.870	.798
MINIMUM X	:	-.895	-.898	-.970
MAXIMUM Y	:	.772	.614	.650
MINIMUM Y	:	-1.425	-.921	-.844
CENTROID X	:	.098	.101	.173
CENTROID Y	:	.223	.381	.304
POA TO CENTROID in.	:	.243	.394	.350
MIN RADIUS	:	.093	.065	.075
MEAN RADIUS	:	.822	.729	.714
MAX RADIUS	:	1.425	1.001	1.037
HORIZONTAL SPREAD	:	1.768	1.768	1.768
VERTICAL SPREAD	:	2.197	1.535	1.494
EXTREME SPREAD	:	2.264	1.830	1.830
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		9	
NUMBER IN THREE INCH CIRCLE	=		10	

1 Mar 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611648

CENTERFIRE PATTERNS

3

POA

1 in circle

2 in circle

3 in circle

OF SHOTS- 10

IN CIR

1 in - 1

2 in - 7

3 in - 8

HS- 2.716

VS= 1.901

GS= 2.958

CENTROID *

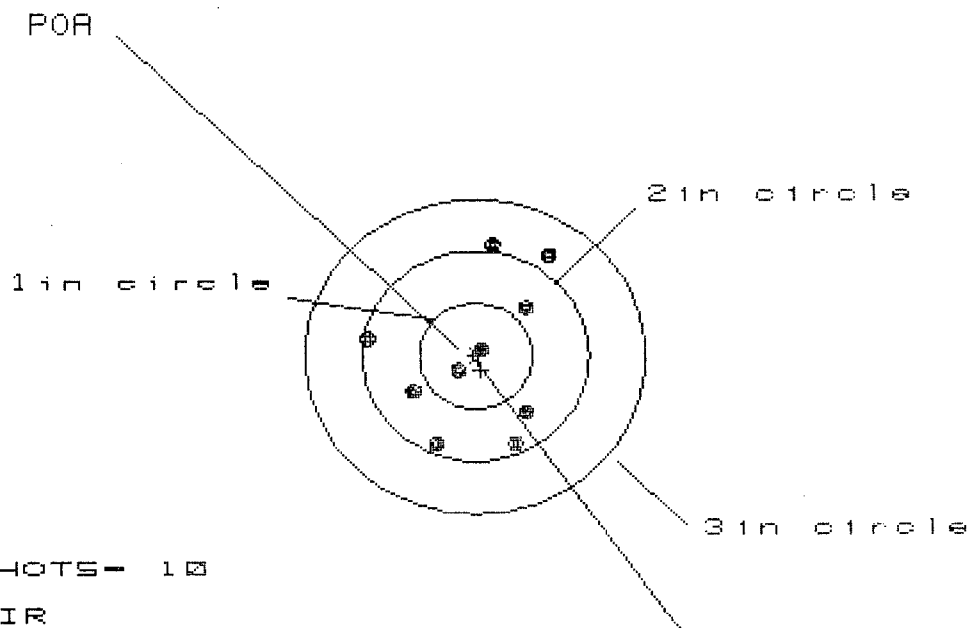
PATTERN #	:	3	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.022	.834	.746
MINIMUM X	:	-1.694	-.952	-.848
MAXIMUM Y	:	1.177	1.178	1.076
MINIMUM Y	:	-.724	-.723	-.576
CENTROID X	:	.179	.367	.263
CENTROID Y	:	-.048	-.049	-.196
POA TO CENTROID in.	:	.185	.370	.328
MIN RADIUS	:	.408	.357	.238
MEAN RADIUS	:	.972	.864	.770
MAX RADIUS	:	1.694	1.443	1.370
HORIZONTAL SPREAD	:	2.716	1.786	1.594
VERTICAL SPREAD	:	1.901	1.901	1.652
EXTREME SPREAD	:	2.958	2.515	2.189
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	7		
NUMBER IN THREE INCH CIRCLE	=	8		

1 Mar 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611648

CENTERFIRE PATTERNS

4



OF SHOTS- 10

IN CIR

1 in - 2

2 in - 8

3 in = 10

HS- 1.641

VS= 1.923

GS= 2.079

CENTROID #

PATTERN #	:	4	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.693	.556	.580
MINIMUM X	:	-.948	-.871	-.847
MAXIMUM Y	:	1.039	1.141	.732
MINIMUM Y	:	-.884	-.782	-.639
CENTROID X	:	-.048	-.125	-.149
CENTROID Y	:	.137	.035	-.107
POA TO CENTROID in.	:	.145	.130	.184
MIN RADIUS	:	.087	.115	.169
MEAN RADIUS	:	.737	.679	.615
MAX RADIUS	:	1.146	1.157	.959
HORIZONTAL SPREAD	:	1.641	1.427	1.427
VERTICAL SPREAD	:	1.923	1.923	1.371
EXTREME SPREAD	:	2.079	1.979	1.644
NUMBER IN ONE INCH CIRCLE	=	2		
NUMBER IN TWO INCH CIRCLE	=	8		
NUMBER IN THREE INCH CIRCLE	=	10		

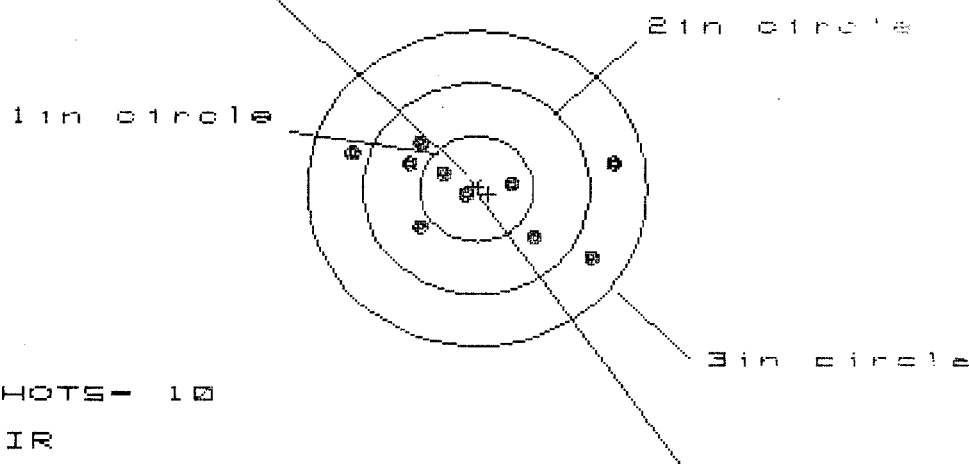
1 Mar 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6B11648

CENTERFIRE PATTERNS

5

POA



OF SHOTS- 10

IN CIR

1 in - 3

2 in - 7

3 in - 10

HS- 2.311

VS= 1.040

GS= 2.322

CENTROID #

PATTERN #

5

SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.191	1.116	.992
MINIMUM X	-1.120	-.987	-.547
MAXIMUM Y	.427	.451	.500
MINIMUM Y	-.613	-.589	-.540
CENTROID X	-.105	-.238	-.114
CENTROID Y	.053	.029	-.020
POA TO CENTROID in.	.118	.240	.116
MIN RADIUS	.147	.060	.113
MEAN RADIUS	.690	.604	.563
MAX RADIUS	1.210	1.262	1.130
HORIZONTAL SPREAD	2.311	2.103	1.539
VERTICAL SPREAD	1.040	1.040	1.040
EXTREME SPREAD	2.322	2.322	1.787
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		10	