

C6611431

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5715**

*Includes 1 in chamber.

Remington

Repair Inquiry

Repair Number: RE00142104

Serial: C6611431 Model M24 SWS Center Fire
Caliber: 7.62 NATO Produced: 06/19/1991

Repairman:

Status: Closed 2/25/2008 10:49:56 AM

Verify Repair

Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name: FT. DRUM POLICE

FT. DRUM POLICE

Address 1:

Address 2:

PO Box:

PO Box:

City: FT. DRUM

FT. DRUM

State: NY

Zip Code: 13602

Country: US

State: NY

Zip Code: 13602

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
A006	Sling Strap	1
A007	With Stud	3
A008	With Swivel	3
A026	Scope	1
A057	Front and Rear Sgt Base	1

Repair Search

Refresh

Close

naglej

2/26/2008

7:20 AM

NUM



Serial Number:

C6611431

Model: M24 SWS



RE00142104

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

R & E NUMBER _____

SERIAL NUMBER C6611431

LOG-IN DATE _____

OPERATION #	OPERATION NAME		DATE	INITIAL
500	DIS-ASSEMBLE GUN			
505	RE-BARREL			
560	ASSEMBLE			
600	PROOF			
605	CHECK HEADSPACE			
610	DIS-ASSEMBLE GUN			
612	MAGNAFLUX			
510	DRILL AND TAP			
615	ROLLMARK CALIBER			
618	ROTO-BLAST			
620	APPLY COATINGS			
625	FINAL ASSEMBLY			
640	FUNCTION TEST AND	PASS FAIL	2-26-08	TRW
650	TARGET 2-10 shot groups	PASS FAIL	2-26-08	TRW
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
670	FINAL INSPECTION		2-27-08	DA
	A) HEADSPACE	PASS FAIL	2-27-08	DA
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	295 298 297 298 290 22708	DA
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS MAX	45 40 40 22708	DA
	G) SAFETY OFF FORCE	2 LBS	30 30 30 22708	DA
	I) FIRING PIN INDENT	.020	.023 .023 .022 22708	DA
690	PACK		3/14/08	DA

start 4

RE00075702

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6611431.___0
FILE DATE AND TIME: 02/04/2004 07:55

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.060
The Average Y Centroid of the Five Target Set:	0.108
The Average Point of Impact of the Five Target Set:	0.123
The Average Mean Radius of the Five Target Set:	0.537
The Distance from POA to Centroid Target #1:	0.180
The Distance from Centroid Target #2 to Centroid Target #1:	0.054
The Distance from Centroid Target #3 to Centroid Target #1:	0.137
The Distance from Centroid Target #4 to Centroid Target #1:	0.124
The Distance from Centroid Target #5 to Centroid Target #1:	0.130

SERIAL NUMBER: C6611431. 0

TARGET NUMBER: 1

FILE DATE: 02/04/2004

FILE TIME: 07:55

POINT#	X	Y
1:	0.102	-0.913
2:	0.219	-0.565
3:	0.845	0.347
4:	0.431	0.502
5:	0.002	0.615
6:	-0.327	0.160
7:	-0.139	-0.173
8:	-0.002	0.189
9:	0.078	0.375
10:	0.213	0.567

X CENTROID: 0.142

Y CENTROID: 0.110

POA TO CENTROID: 0.180

HORZ SPREAD: 1.172

VERT SPREAD: 1.528

GROUP SPREAD: 1.531

MIN RADIUS: 0.164

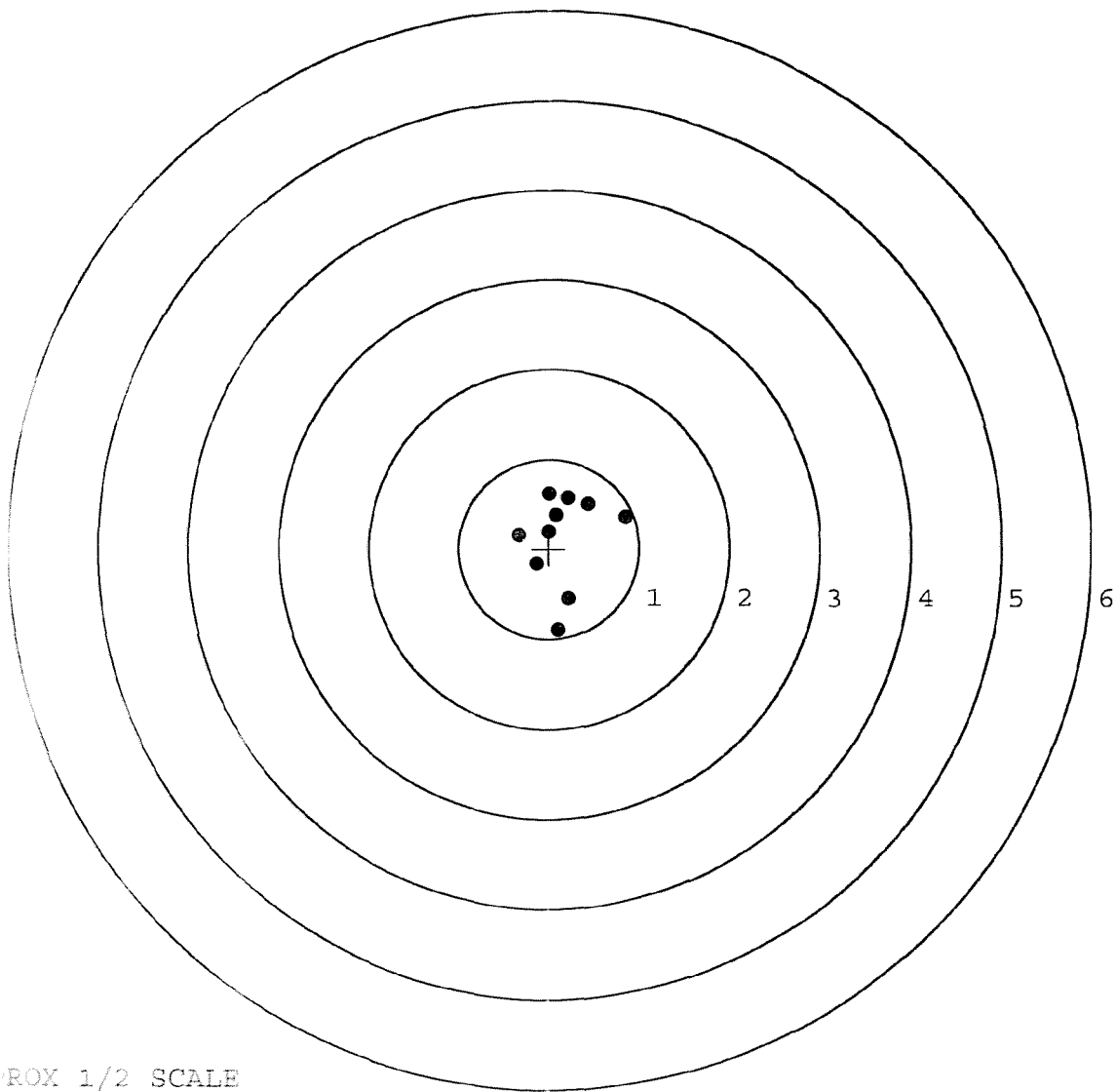
MAX RADIUS: 1.024

MEAN RADIUS: 0.523

IN 1 IN DIAMETER: 6

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611431. 0

TARGET NUMBER: 2

FILE DATE: 02/04/2004

FILE TIME: 07:55

POINT#	X	Y
1:	0.745	0.494
2:	-0.036	-0.853
3:	0.211	-0.464
4:	0.016	1.508
5:	-0.304	-0.043
6:	0.094	-0.206
7:	0.209	-0.035
8:	-0.113	0.367
9:	0.052	0.365
10:	0.015	0.073

X CENTROID: 0.089

Y CENTROID: 0.121

POA TO CENTROID: 0.150

HORZ SPREAD: 1.049

VERT SPREAD: 2.361

GROUP SPREAD: 2.362

MIN RADIUS: 0.088

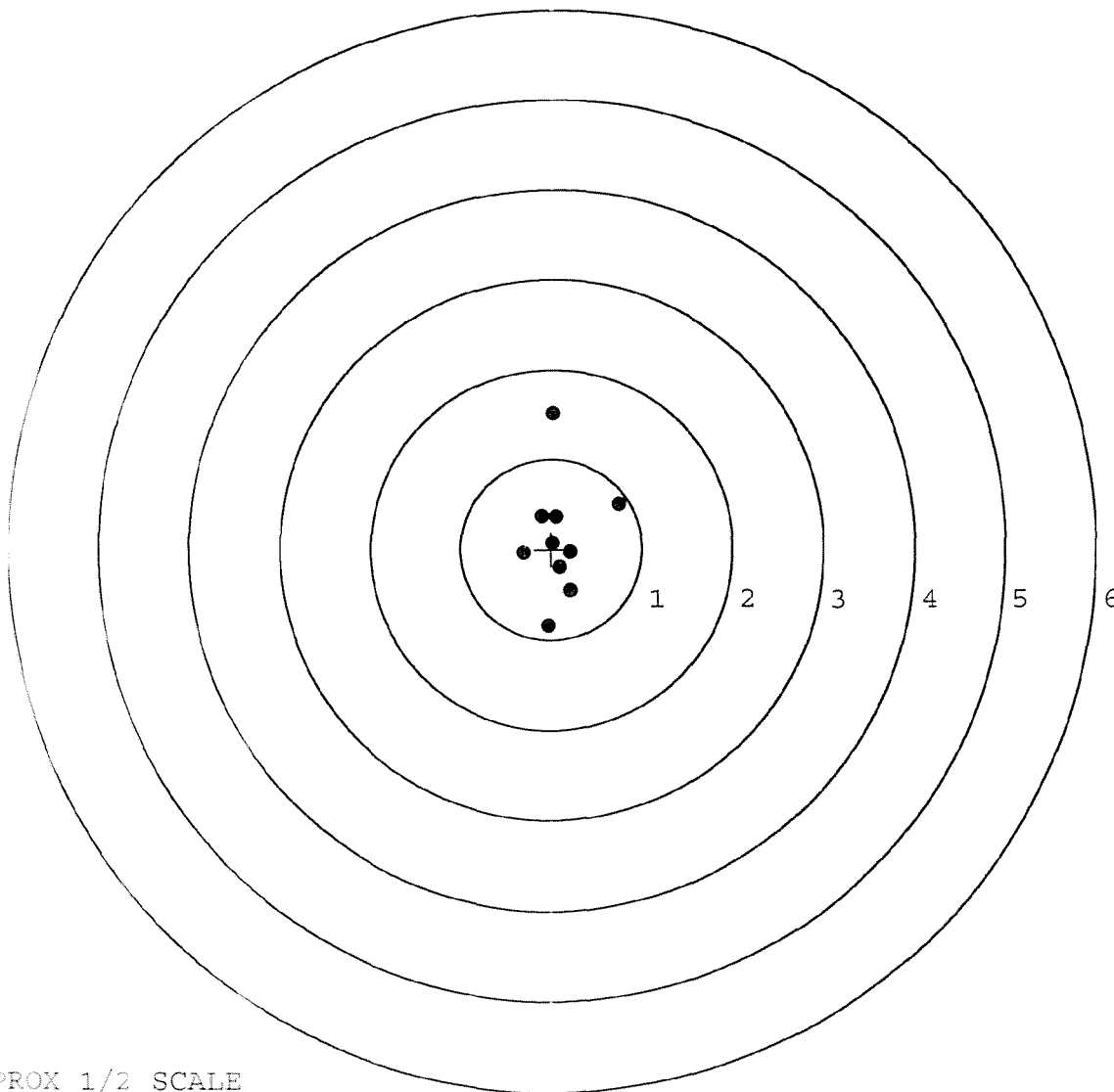
MAX RADIUS: 1.389

MEAN RADIUS: 0.533

IN 1 IN DIAMETER: 6

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611431. 0

TARGET NUMBER: 3

FILE DATE: 02/04/2004

FILE TIME: 07:55

POINT#	X	Y
1:	0.163	-0.667
2:	-0.248	-0.499
3:	0.682	0.191
4:	0.539	-0.077
5:	0.520	-0.276
6:	0.094	0.283
7:	-0.152	0.734
8:	-0.189	0.636
9:	-0.309	0.592
10:	-1.022	0.467

X CENTROID: 0.008

Y CENTROID: 0.138

POA TO CENTROID: 0.139

HORZ SPREAD: 1.704

VERT SPREAD: 1.401

GROUP SPREAD: 1.726

MIN RADIUS: 0.168

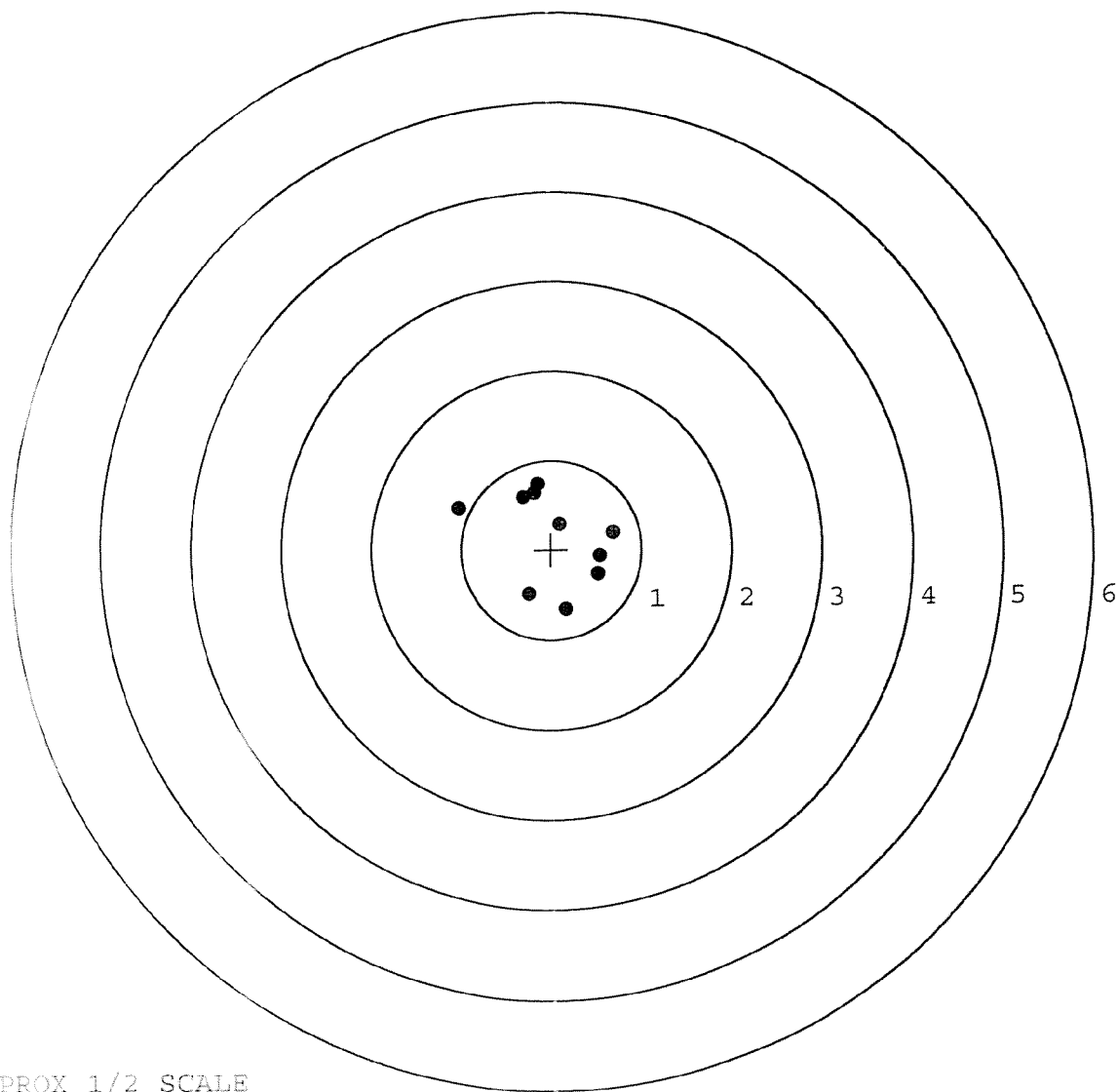
MAX RADIUS: 1.081

MEAN RADIUS: 0.637

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

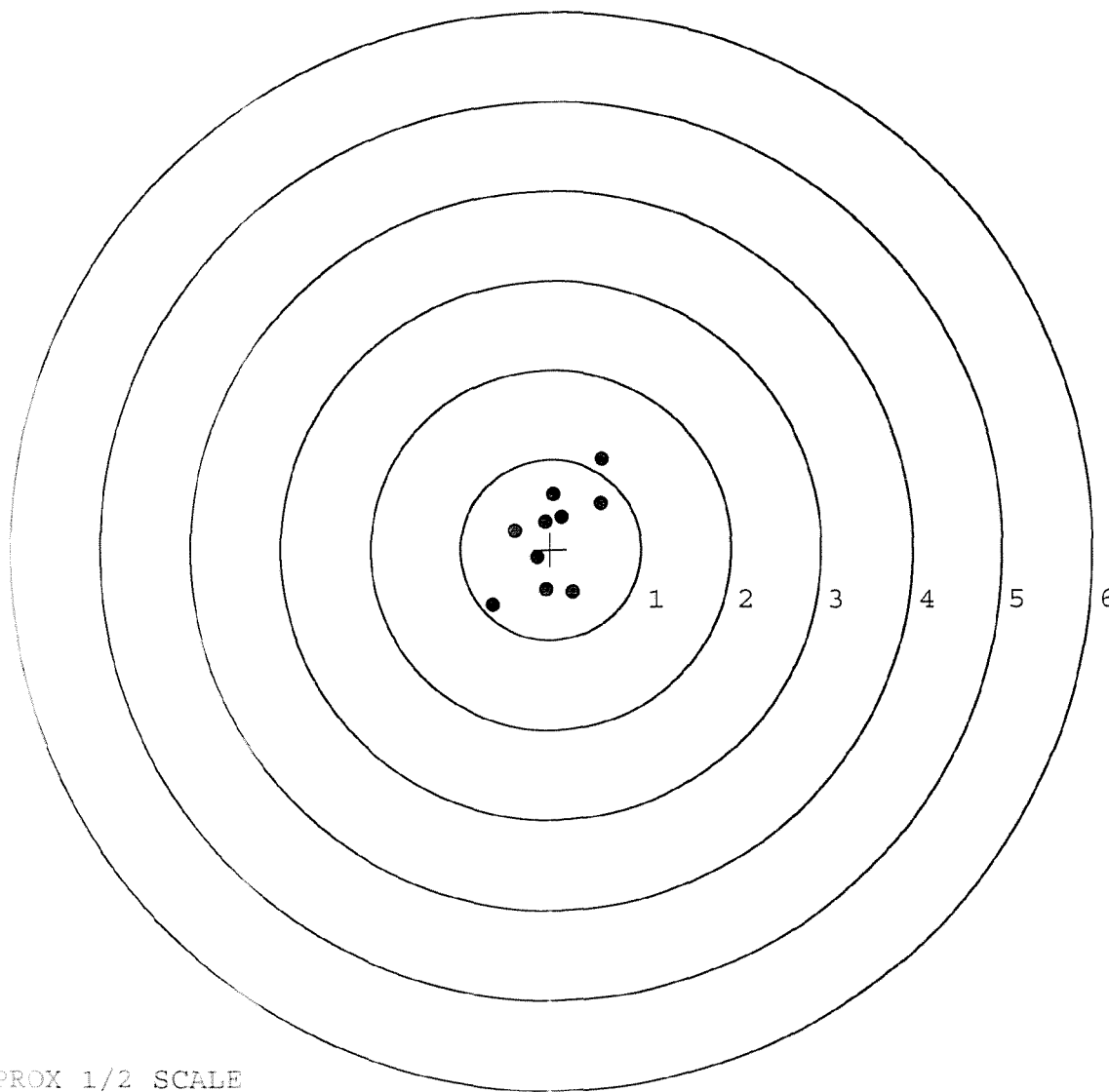


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611431. 0
 TARGET NUMBER: 4
 FILE DATE: 02/04/2004
 FILE TIME: 07:55

POINT#	X	Y
1:	0.250	-0.482
2:	-0.053	-0.448
3:	-0.645	-0.615
4:	0.555	0.512
5:	0.568	1.003
6:	0.029	0.609
7:	0.123	0.355
8:	-0.063	0.305
9:	-0.402	0.209
10:	-0.151	-0.091

X CENTROID: 0.021
 Y CENTROID: 0.136
 POA TO CENTROID: 0.137
 HORZ SPREAD: 1.213
 VERT SPREAD: 1.618
 GROUP SPREAD: 2.022
 MIN RADIUS: 0.189
 MAX RADIUS: 1.025
 MEAN RADIUS: 0.555
 # IN 1 IN DIAMETER: 5
 # IN 2 IN DIAMETER: 8
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611431. 0

TARGET NUMBER: 5

FILE DATE: 02/04/2004

FILE TIME: 07:55

POINT#	X	Y
1:	0.385	-0.647
2:	-0.254	0.755
3:	-0.074	0.485
4:	-0.325	0.251
5:	-0.462	-0.266
6:	0.288	0.140
7:	-0.072	0.029
8:	0.518	-0.177
9:	0.118	-0.194
10:	0.256	-0.042

X CENTROID: 0.038

Y CENTROID: 0.033

POA TO CENTROID: 0.050

HORZ SPREAD: 0.980

VERT SPREAD: 1.402

GROUP SPREAD: 1.541

MIN RADIUS: 0.110

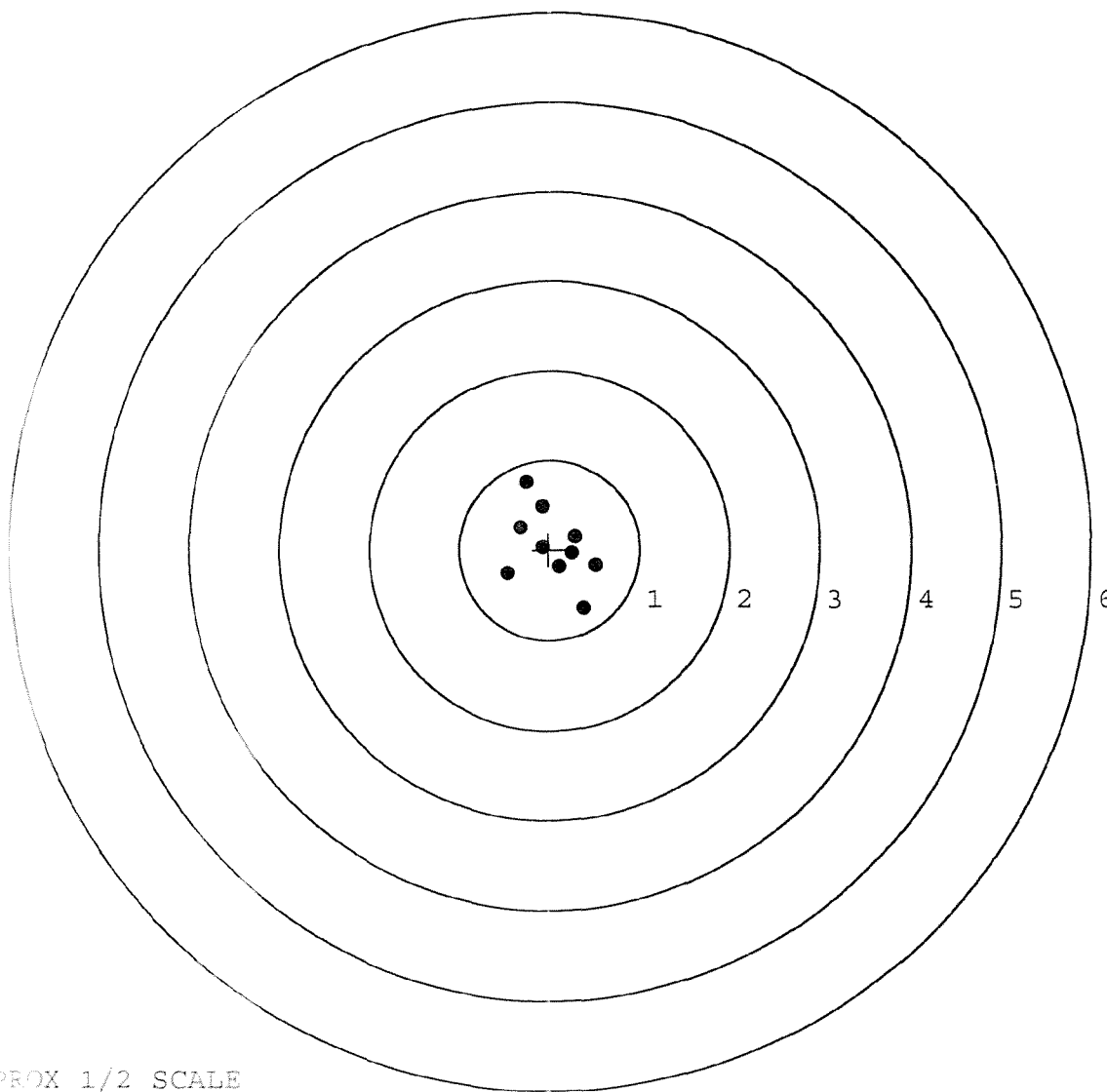
MAX RADIUS: 0.778

MEAN RADIUS: 0.439

IN 1 IN DIAMETER: 6

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

BARBER - M24 0076759

R & E NUMBER	75702		
SERIAL NUMBER	C6611431		
LOG-IN DATE	1-15-04		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	1-20-04	RTL
560 A	RE-BARREL	1-22-04	RTL
B	DRILL AND TAP	1-23-04	TRW
575	ASSEMBLE	1-22-04	RTL
600	PROOF	1-22-04	RW
605	CHECK HEADSPACE	1-22-04	RW
610	DIS-ASSEMBLE GUN	1-22-04	RW
612	MAGNAFLUX		
615	ROLLMARK CALIBER	1/29/04	B3
618	ROTO-BLAST	1/29/2004	Ans
620	APPLY COATINGS	1-29	TA
625 A	FINAL ASSEMBLY	1-30-04	RW
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	2-4-04	TRW
655	FINAL INSPECT	2-5-04	RTL
660	PACK	2-6-04	SA
		SHIP DATE	
QAR INSPECTION DATE			

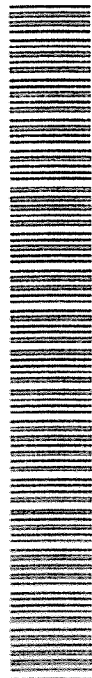
Remington
REMINGTON & CO. PATENT OFF.

MODEL 700™ M24

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

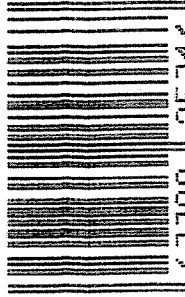
VERY IMPORTANT:
Instruction Book
enclosed to assure
safe use of this
firearm.

SERIAL NO. C8611431	ORDER NO. 5716
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5716 C8611431

UPC



0 47700 25716 2

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6611431

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		3/18/91	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		3/23/91	KR
	Magnaflux Bolt		"	KR
615	Rollmark Caliber		"	L.S.
617	Drill and Tap Sight Holes	APR 3 1991		LB
618	Polish Barrel	APR 3 1991		WB
620	Apply Coatings (Barrel Action)		4/19/91	AA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		4/30/91	FS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		4/30/91	KS
	C) Inspect Ejector Hole for Chamfer		4/30/91	KS
	D) Oil Firing Pin Ass'y		4/30/91	KS
	E) Adjust Trigger Pull to Min Setting and Stake		5/4/91	JH

op. #	BARBER M24 0076762	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			5-4-91	DH
	G) Safety Off Force	4	4	4			5-4-91	DH
	H) Trigger Pull Test & Retainability						5/4/91	ADJ
	I) Firing Pin Indent	.023	.023	.023			5-4-91	DH
	J) Assemble Stock						5/7/91	KS
	K) Assemble Swivel Studs						5-9-91	KS
	L) Attach Front and Rear Sight Assemblies						5/7/91	KS
	M) Iron Sight Alignment						5/7/91	KS
	N) Detach Front & Rear Sights & place in numbered container						5/7/91	KS
	O) Attach Scope to Rifle						5/7/91	KS
	P) Detach & Attach Scope 20 Times						5/7/91	KS
640	Gallery Target & Test						5/7/91	KT
	A) Time							KT
	B) Malfunctions							KT
	C) Pierced Primers							KT
	D) Optical Clarity of Scope							KT
645	Inspect for Live Ammo						5/7/91	KT
655	Final Inspection							
	A) Headspace						5-9-91	KS
	B) Trigger Pull	2.22	2.27	2.34	2.40	2.40	5/9/91	ADJ
	C) Function						5-9-91	KS
660	Pack						6-18-91	NF

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6611431

DATE 5/4/91

TESTER JM

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.43	2.48	2.50	2.22	MIN. SETTING NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.33	2.50	2.55	2.27	
PULL #3	2.57	2.34	2.48	2.34	
PULL #4	2.52	2.22	2.48	2.40	
PULL #5	2.28	2.51	2.50	2.40	
TOTAL					
AVG.					

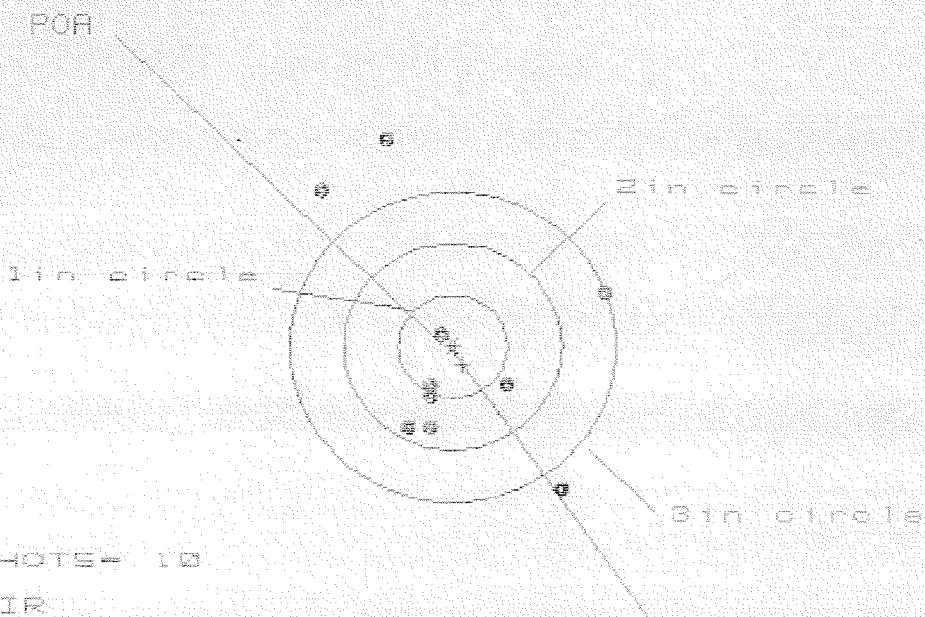
	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.47	3.41		
PULL #2	3.47	3.51		
PULL #3	3.39	3.49		
PULL #4	3.47	3.42		
PULL #5	3.47	3.38		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.34	4.33		4.41
PULL #2	4.17	4.36		4.49
PULL #3	4.22	4.28		4.38
PULL #4	4.17	4.29		4.27
PULL #5	4.35	4.24		4.38
TOTAL				
AVG.				

7 May 1991

FILE: PATTERNING/CENTERFIRE PATT/C0811431

CENTERFIRE PATTERNS



OF SHOTS = 10

IN CIR

$$\frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$$






The diagram illustrates the experimental design with a vertical axis for 'Performance' and a horizontal axis for 'Time'. The sequence of events is as follows: a baseline period (flat line), followed by a training period (line with a positive slope), then a transfer period (line with a negative slope), and a test period (line with a positive slope). This sequence is repeated, with another transfer and test period following the first. The overall trend shows an initial improvement during training, a decline during transfer, and a subsequent improvement during the test period.


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CENTRO *

PATTERN #		10	9	8
SHOTS (BEST OF)				
MAXIMUM X		1.356	1.293	1.140
MINIMUM X		-1.160	-1.223	-.671
MAXIMUM Y		1.987	1.723	.954
MINIMUM Y		-1.355	-1.134	-.918
CENTROID X		-.094	-.031	.122
CENTROID Y		.175	-.045	-.261
POA TO CENTROID in.		.199	.055	.288
MIN RADIUS		.190	.306	.325
MEAN RADIUS		1.061	.894	.728
MAX RADIUS		2.066	2.113	1.487
HORIZONTAL SPREAD		2.516	2.516	1.811
VERTICAL SPREAD		3.342	2.857	1.872
EXTREME SPREAD		3.687	3.577	2.227
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		7	

7 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8611431

CENTERFIRE PATTERNS # 2

POB

1 in circle

2 in circle

3 in circle

OF SHOTS = 10

IN CIR

1 in = 3

2 in = 5

3 in = 9

HS = 2.729

VS = 2.752

GS = 2.921

CENTROID #

PATTERN #	:	2
SHOTS (BEST OF)	:	10
MAXIMUM X	:	1.268
MINIMUM X	:	-1.461
MAXIMUM Y	:	1.302
MINIMUM Y	:	-1.450
CENTROID X	:	.132
CENTROID Y	:	.119
POB TO CENTROID in.	:	.178
MIN RADIUS	:	.312
MEAN RADIUS	:	.961
MAX RADIUS	:	1.611
HORIZONTAL SPREAD	:	2.729
VERTICAL SPREAD	:	2.752
EXTREME SPREAD	:	2.921
NUMBER IN ONE INCH CIRCLE	=	3
NUMBER IN TWO INCH CIRCLE	=	5
NUMBER IN THREE INCH CIRCLE	=	9

7 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8811431

CENTERFIRE PATTERNS # 3

POA

1 in circle

2 in circle

3 in circle

OF SHOTS = 10

IN CIR

1 in = 2

2 in = 6

3 in = 10

HS = 2.653

VS = 1.563

GS = 2.659

CENTROID *

PATTERN #

3

SHOTS (BEST OF)

10

9

8

MAXIMUM X

1.288

1.047

.860

MINIMUM X

-1.445

-1.502

-.734

MAXIMUM Y

.606

.611

.654

MINIMUM Y

-.957

-.952

-.909

CENTROID X

.221

.382

.570

CENTROID Y

.110

.105

.062

POA TO CENTROID in.

.247

.396

.573

MIN RADIUS

.256

.317

.447

MEAN RADIUS

.855

.778

.679

MAX RADIUS

1.446

1.540

.925

HORIZONTAL SPREAD

2.653

2.549

1.593

VERTICAL SPREAD

1.563

1.563

1.563

EXTREME SPREAD

2.659

2.551

1.667

NUMBER IN ONE INCH CIRCLE =

2

NUMBER IN TWO INCH CIRCLE =

6

NUMBER IN THREE INCH CIRCLE =

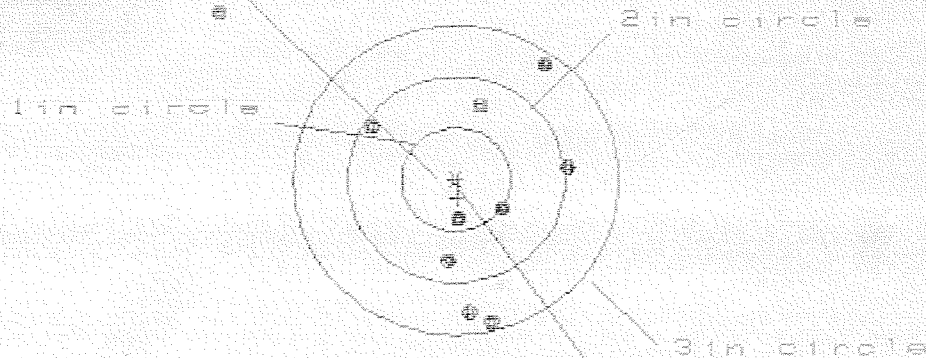
10

7 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611431

CENTERFIRE PATTERNS # 4

POA



OF SHOTS= 10

IN CIR

1in = 1

2in = 5

3in = 9

HS= 3.228

VS= 2.997

GS= 3.931

CENTROID *

PATTERN

SHOTS (BEST OF)	1	10	9	8
MAXIMUM X		1.047	.804	.819
MINIMUM X		-2.181	-1.069	-1.054
MAXIMUM Y		1.603	1.247	1.095
MINIMUM Y		-1.393	-1.215	-1.263
CENTROID X		-.023	.220	.205
CENTROID Y		.182	.003	.155
POA TO CENTROID in.		.183	.220	.257
MIN RADIUS		.341	.212	.320
MEAN RADIUS		1.127	.893	.853
MAX RADIUS		2.787	1.393	1.268
HORIZONTAL SPREAD		3.228	1.973	1.873
VERTICAL SPREAD		2.997	2.462	2.358
EXTREME SPREAD		3.931	2.508	2.466
NUMBER IN ONE INCH CIRCLE =			1	
NUMBER IN TWO INCH CIRCLE =			5	
NUMBER IN THREE INCH CIRCLE =			9	

7 May 1981

FILE:/PATTERNING/CENTERFIRE_PATT/CGB11431

CENTERFIRE PATTERNS # 5

POA

1 in circle

2 in circle

3 in circle

OF SHOTS- 10

IN CIR

1 in = 2

2 in = 4

3 in = 9

HS= 1.941

VS= 3.680

GS= 3.720

CENTROID *

PATTERN #

5

SHOTS (BEST OF)

10

9

8

MAXIMUM X

1.084

1.093

1.172

MINIMUM X

-.857

-.848

-.769

MAXIMUM Y

2.328

1.391

1.254

MINIMUM Y

-1.352

-1.093

-.746

CENTROID X

.107

.098

.019

CENTROID Y

.381

.122

.259

POA TO CENTROID in.

.336

.157

.260

MIN RADIUS

.200

.240

.310

MEAN RADIUS

1.082

.875

.849

MAX RADIUS

2.329

1.629

1.471

HORIZONTAL SPREAD

1.941

1.941

1.941

VERTICAL SPREAD

3.680

2.484

2.000

EXTREME SPREAD

3.720

2.890

2.454

NUMBER IN ONE INCH CIRCLE =

2

NUMBER IN TWO INCH CIRCLE =

4

NUMBER IN THREE INCH CIRCLE =

9