

G-646 1680
Replaced
C-652 3466

Repair Inquiry

Repair Number: RE00092858

Serial: C6523466 Model: M24 SWS Center Fire
Caliber: 7.62 NATO Produced: 12/18/1990

Repairman:

Status:

Closed 2/10/2005 11:39:31 AM

Address Information

Customer

☒ Received From

Return To

☐ Received From

Name: DEF DIST DEPOT ANNISTON

DEF DIST DEPOT ANNISTON

Address 1:

Address 2:

PO Box:

PO Box:

City: ANNISTON

ANNISTON

State: AL

Zip Code: 362014199

Country: US

State: AL

Zip Code: 362014199

Country: US

FBI

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

mag/bt

2/14/2005

8:21 AM

CAPS

NUM

JINS

SCPL

start

5

2

4

Arms Services

B

C

G646 1680 (New)

Serial Number: C6523466

Model: M24 SWS



RE00092858

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: G6461680.__0

FILE DATE AND TIME: 06/28/2005 08:52

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.163
The Average Y Centroid of the Five Target Set:	-0.062
The Average Point of Impact of the Five Target Set:	0.175
The Average Mean Radius of the Five Target Set:	0.886
The Distance from POA to Centroid Target #1:	0.203
The Distance from Centroid Target #2 to Centroid Target #1:	0.264
The Distance from Centroid Target #3 to Centroid Target #1:	0.105
The Distance from Centroid Target #4 to Centroid Target #1:	0.172
The Distance from Centroid Target #5 to Centroid Target #1:	0.535

SERIAL NUMBER: G6461680. __0

TARGET NUMBER: 1

FILE DATE: 06/28/2005

FILE TIME: 08:52

X CENTROID: -0.022

Y CENTROID: -0.202

POA TO CENTROID: 0.203

HORZ SPREAD: 1.473

VERT SPREAD: 1.216

GROUP SPREAD: 1.530

MIN RADIUS: 0.358

MAX RADIUS: 0.894

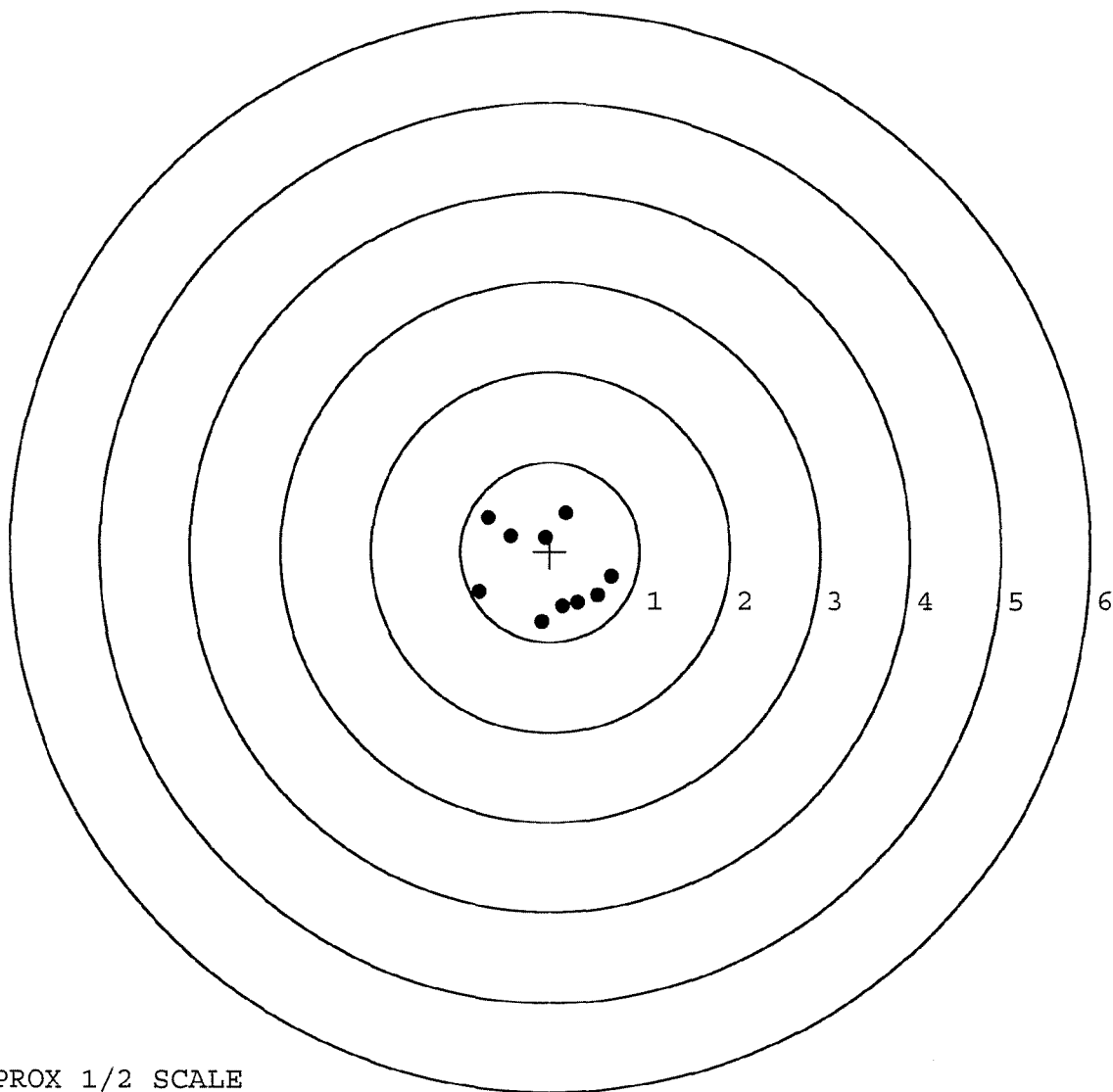
MEAN RADIUS: 0.614

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.684	-0.275
2:	0.533	-0.483
3:	0.311	-0.569
4:	0.141	-0.612
5:	-0.099	-0.786
6:	0.178	0.430
7:	-0.051	0.155
8:	-0.437	0.176
9:	-0.696	0.386
10:	-0.789	-0.444



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6461680. 0

TARGET NUMBER: 2

FILE DATE: 06/28/2005

FILE TIME: 08:52

X CENTROID: -0.275

Y CENTROID: -0.123

POA TO CENTROID: 0.301

HORZ SPREAD: 2.718

VERT SPREAD: 2.683

GROUP SPREAD: 2.852

MIN RADIUS: 0.625

MAX RADIUS: 1.749

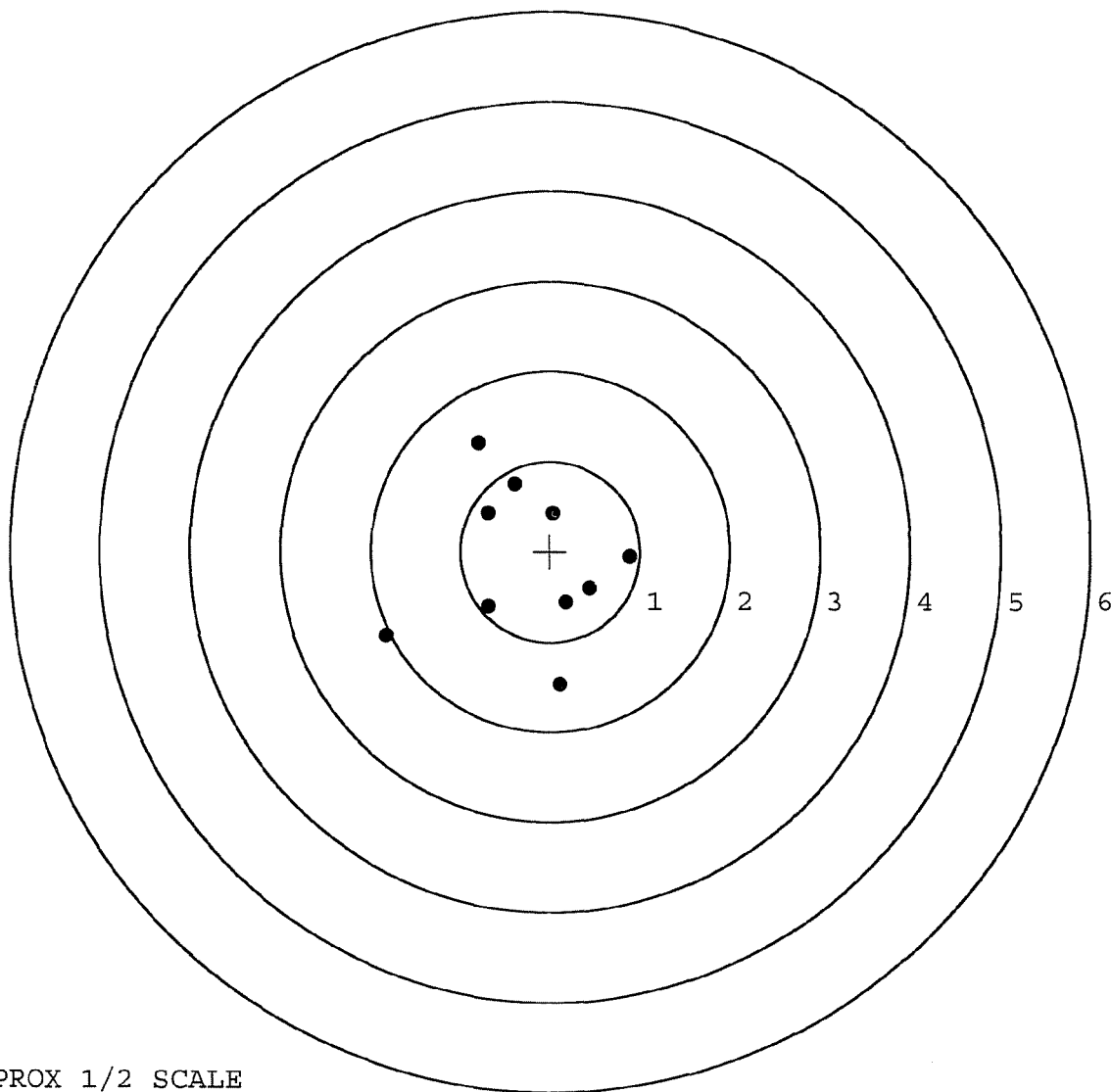
MEAN RADIUS: 0.999

IN 1 IN DIAMETER: 0

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.891	-0.063
2:	0.445	-0.405
3:	0.174	-0.564
4:	0.115	-1.476
5:	-0.691	-0.605
6:	-1.827	-0.928
7:	0.031	0.422
8:	-0.694	0.429
9:	-0.394	0.750
10:	-0.796	1.207



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6461680. __0

TARGET NUMBER: 3

FILE DATE: 06/28/2005

FILE TIME: 08:52

X CENTROID: -0.127

Y CENTROID: -0.194

POA TO CENTROID: 0.232

HORZ SPREAD: 2.319

VERT SPREAD: 1.816

GROUP SPREAD: 2.554

MIN RADIUS: 0.216

MAX RADIUS: 1.620

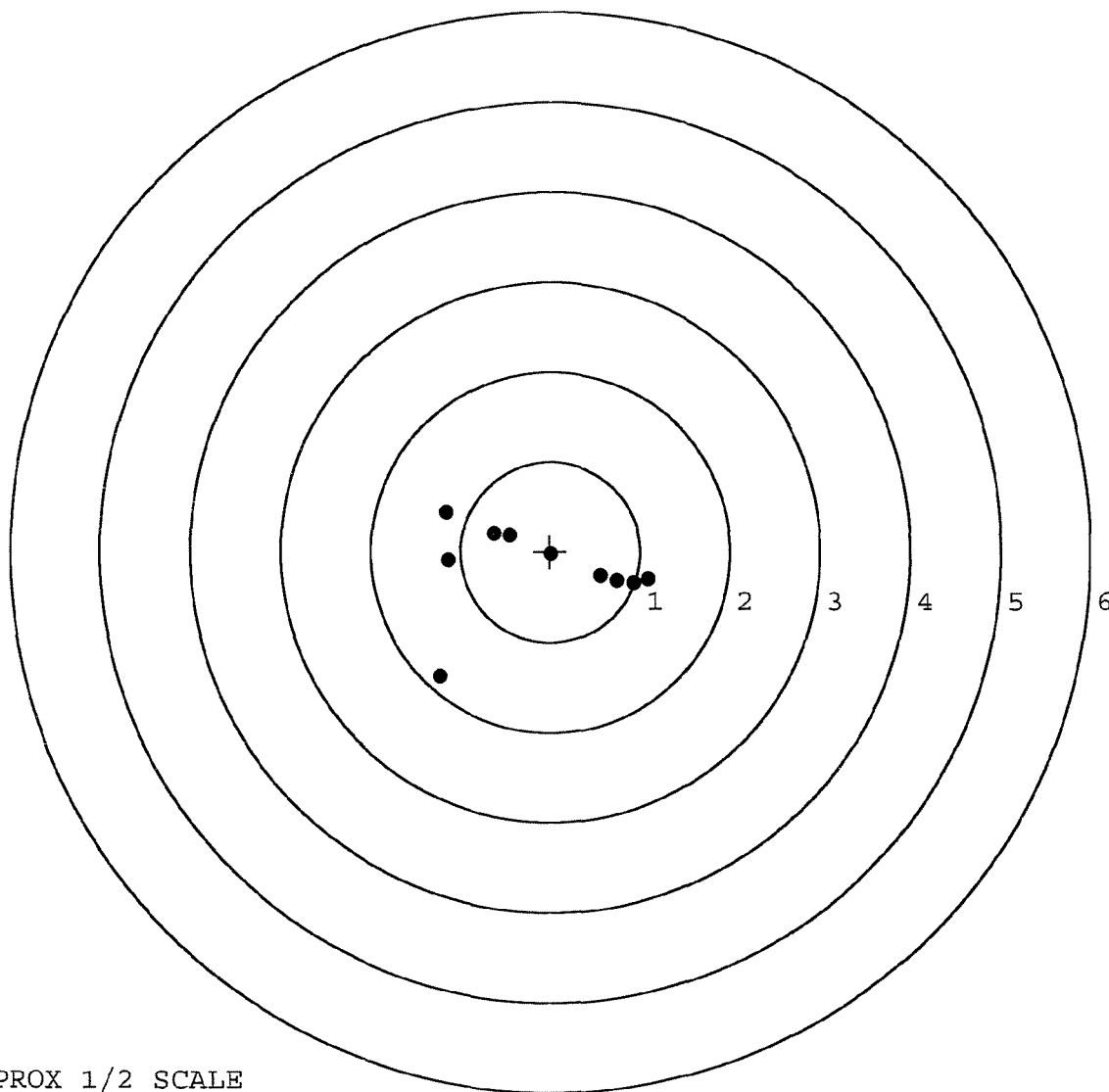
MEAN RADIUS: 0.906

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 5

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	1.090	-0.311
2:	0.927	-0.348
3:	0.742	-0.322
4:	0.565	-0.268
5:	0.012	-0.028
6:	-0.449	0.184
7:	-0.626	0.204
8:	-1.165	0.435
9:	-1.139	-0.103
10:	-1.229	-1.381



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6461680. __0

TARGET NUMBER: 4

FILE DATE: 06/28/2005

FILE TIME: 08:52

POINT#	X	Y
1:	0.491	-1.155
2:	0.551	-0.183
3:	1.515	0.911
4:	-0.027	1.266
5:	-0.158	0.466
6:	-1.196	0.255
7:	-1.124	-1.518
8:	-0.324	-0.282
9:	-0.173	-0.125
10:	-0.396	-0.046

X CENTROID: -0.084

Y CENTROID: -0.041

POA TO CENTROID: 0.094

HORZ SPREAD: 2.711

VERT SPREAD: 2.784

GROUP SPREAD: 3.587

MIN RADIUS: 0.122

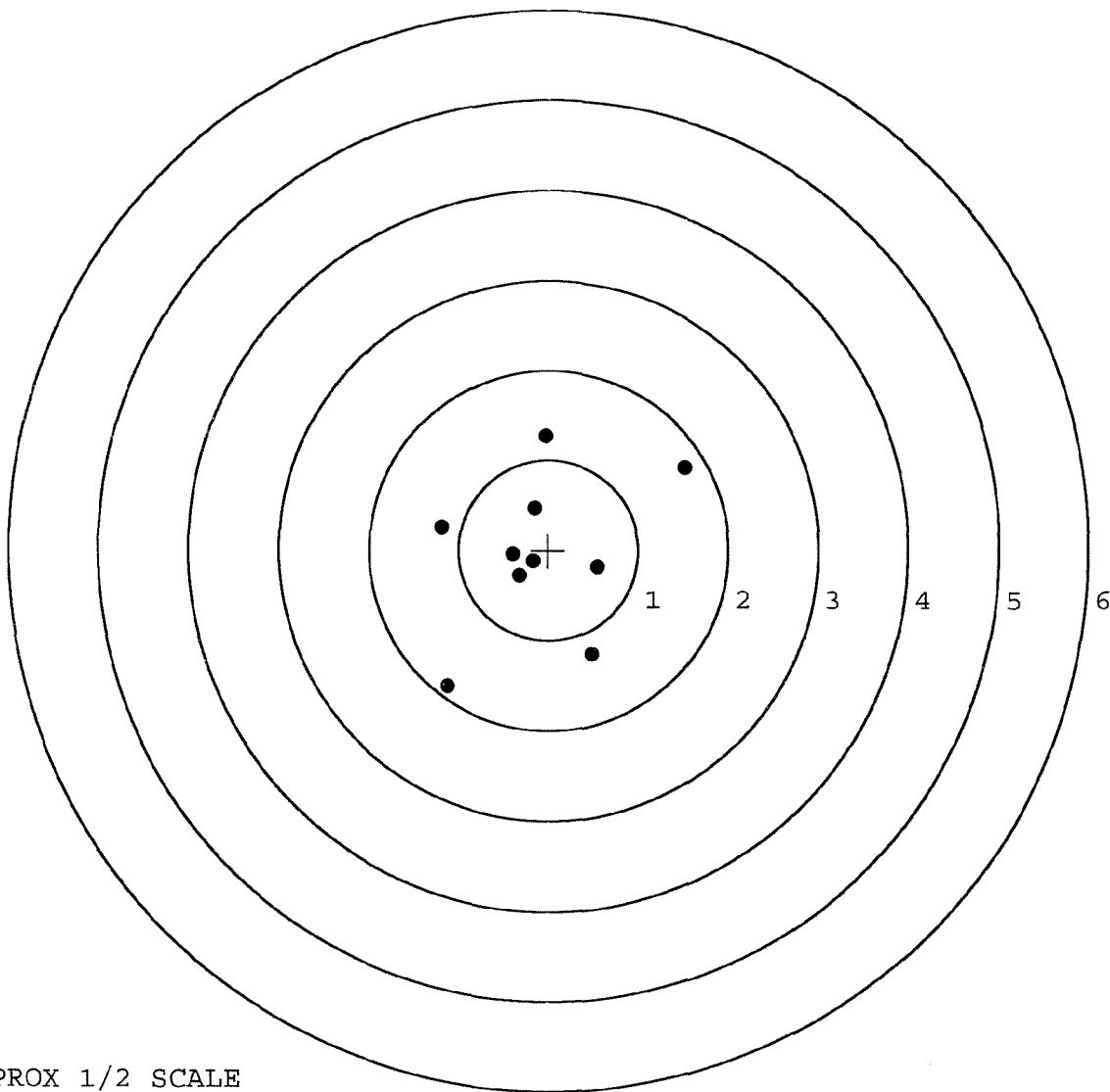
MAX RADIUS: 1.861

MEAN RADIUS: 0.932

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 5

in 3 IN DIAMETER: 8



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6461680. __0

TARGET NUMBER: 5

FILE DATE: 06/28/2005

FILE TIME: 08:52

X CENTROID: -0.308

Y CENTROID: 0.251

POA TO CENTROID: 0.397

HORZ SPREAD: 2.542

VERT SPREAD: 2.364

GROUP SPREAD: 3.148

MIN RADIUS: 0.156

MAX RADIUS: 1.843

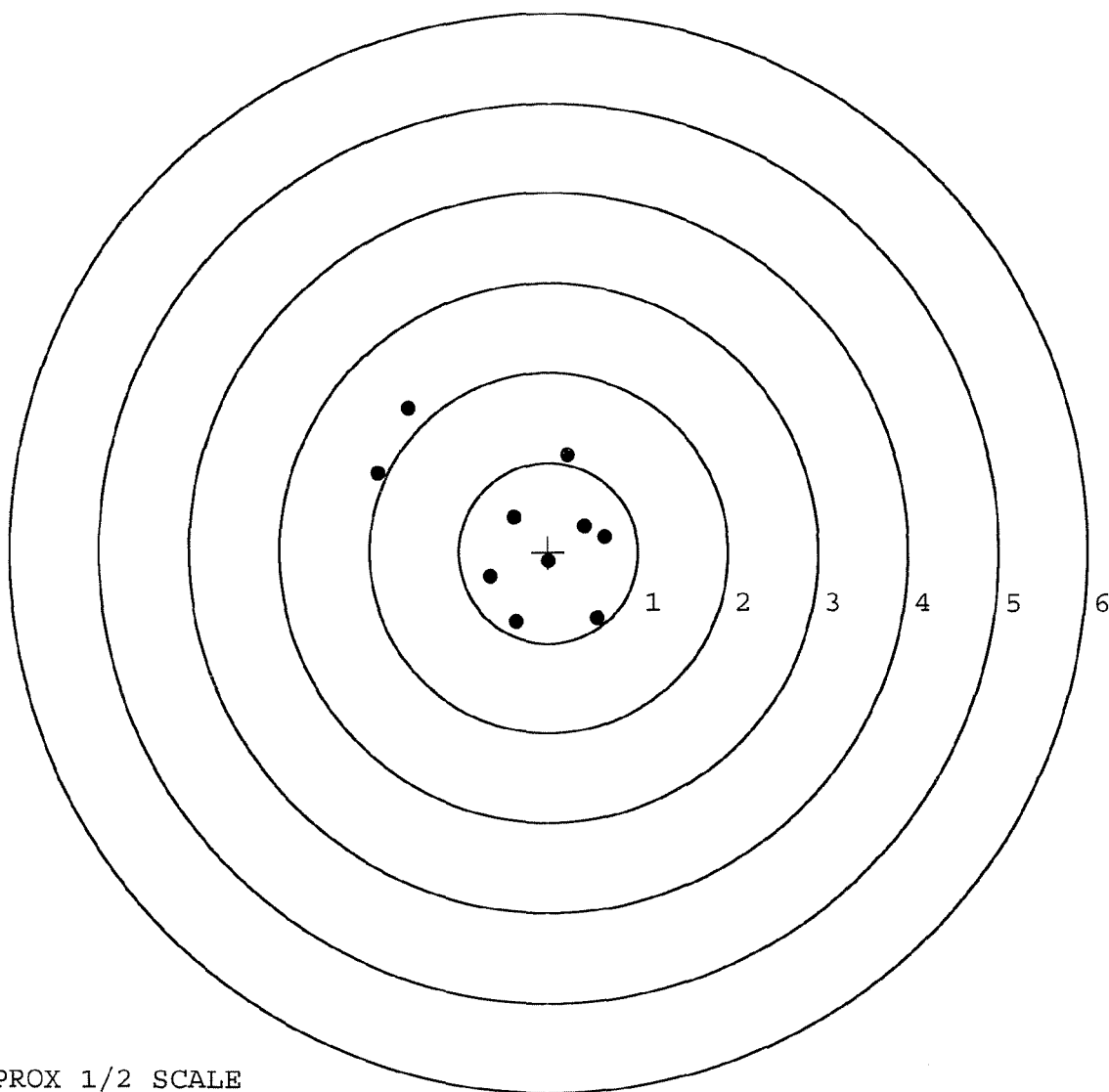
MEAN RADIUS: 0.978

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 8

POINT#	X	Y
1:	0.552	-0.731
2:	-0.357	-0.767
3:	-0.651	-0.279
4:	0.000	-0.106
5:	0.629	0.169
6:	0.402	0.287
7:	-0.392	0.382
8:	0.215	1.080
9:	-1.567	1.597
10:	-1.913	0.875



TARGET APPROX 1/2 SCALE

M-24 INSPECTION CHECKLIST

CONTRACT #: DAAE-20-02-D-0127

R. & E NUMBER	92858		
SERIAL NUMBER	C6520466 C6461680 (New)		
LOG-IN DATE	2-10-05		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	5-26-05	RT
560 A	RE-BARREL	6-6-05	RT
B	DRILL AND TAP	6-8-05	TRW
575	ASSEMBLE	6-6-05	RT
600	PROOF	6-7-05	AC
605	CHECK HEADSPACE	6-7-05	AC
610	DIS-ASSEMBLE GUN	6-7-05	RT
612	MAGNAFLUX OPERATOR <i>WMS</i>	6/9/05	<i>WMS</i>
615	ROLLMARK CALIBER	6-9-05	CW
618	ROTO-BLAST	6-10-05	KB
620	APPLY COATINGS	6-13-05	CW
625 A	FINAL ASSEMBLY	6-27-05	RT
B	TRIGGER PULL TEST	7-14-05	AC
C	SAFETY "ON" FORCE	7-14-05	AC
D	SAFETY "OFF" FORCE	7-14-05	AC
E	FIRING PIN INDENT	7-14-05	AC
640	TARGET	6-28-05	TRW
655	FINAL INSPECT	7-14-05	AC
660	PACK	9-7-05	RA
		SHIP DATE	
		QAR INSPECTION DATE	

Remington [®]		DU PONT REG. U.S. PAT. & TM. OFF.	VERY IMPORTANT: Instruction Book enclosed to assure safe use of this firearm.
MODEL 700TM M24		SERIAL NO. C6523466	ORDER NO. 5716
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat & Tm. Off, Marca Registrada Marque Deposee.			



5716 C6523466



CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6523466

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	10 2	90	RW
600	Proof	10 2	90	RW
607	Check Headspace	10 2	90	RW
610	Dis-assemble Gun	10 2	90	RW
612	Magnaflux Barrel Action		10-2-90	KR
	Magnaflux Bolt		10-2-90	KR
615	Rollmark Caliber		10-2-90	JS
617	Drill and Tap Sight Holes		10/4/90	WB
618	Polish Barrel AB		10/5/90	WB
620	Apply Coatings (Barrel Action)		10-20-90	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		10/22/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		10/22/90	RW
	C) Inspect Ejector Hole for Chamfer		10/22/90	RW
	D) Oil Firing Pin Ass'y		10/22/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		11/2/90	JS

op. #	BARBER - M24 0154685 OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4	4	4			11/2/90	WB
	G) Safety Off Force	2 1/4	2 1/4	2 1/4			11/2/90	WB
	H) Trigger Pull Test & Retainability						11/2/90	YH
	I) Firing Pin Indent	.021	.021	.021			11/2/90	WB
	J) Assemble Stock						12/5/90	RW
	K) Assemble Swivel Studs						12-6-90	YH
	L) Attach Front and Rear Sight Assemblies						12/5/90	RW
	M) Iron Sight Alignment						12/5/90	RW
	N) Detach Front & Rear Sights & place in numbered container						12/5/90	RW
	O) Attach Scope to Rifle						12/5/90	RW
	P) Detach & Attach Scope 20 Times						12/5/90	RW
640	Gallery Target & Test						12/5/90	KJ
	A) Time						"	KJ
	B) Malfunctions						"	KJ
	C) Pierced Primers						"	KJ
	D) Optical Clarity of Scope						"	KJ
645	Inspect for Live Ammo						12/5/90	KJ
655	Final Inspection							
	A) Headspace						12-6-90	YH
	B) Trigger Pull	255	255	260	257	256	12-6-90	YH
	C) Function						12-6-90	YH
660	Pack						12-9-90	DH

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. 06523466

DATE 11/2/90

TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.32	2.31	2.30	2.55	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.25	2.29	2.28	2.55	
PULL #3	2.31	2.28	2.28	2.60	
PULL #4	2.00	2.28	2.32	2.57	
PULL #5	2.34	2.31	2.30	2.56	
TOTAL	11.22	11.47	11.48		
AVG.	2.244	2.294	2.296		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.29	3.26		
PULL #2	3.46	3.32		
PULL #3	3.49	3.48		
PULL #4	3.06	3.30		
PULL #5	3.12	3.22		
TOTAL	16.42	16.58		
AVG.	3.284	3.316		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.23	4.39		4.49
PULL #2	4.33	4.38		4.25
PULL #3	4.35	4.33		4.44
PULL #4	4.31	4.44		4.48
PULL #5	4.35	4.43		4.42
TOTAL	21.57	21.97		22.08
AVG.	4.314	4.394		4.416

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06523466
6 Dec 1990

CENTROIDAL DISTANCES

0 TO 1	.197449
1 TO 2	.148862
1 TO 3	.183251
1 TO 4	.0629682
1 TO 5	.185149

POI <----POI

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1516
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .064
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .164556

THE AMR FOR THIS RIFLE IS: 1

6 Dec 1990

FILE:/PATTERNING/CENTERFIRE_PATT/CG5234B6

CENTERFIRE PATTERNS # 2

POR

1 in circle

2 in circle

3 in circle

OF SHOTS = 10

IN CIR

1 in = 0

2 in = 7

3 in = 9

HS = 1.917

VS = 3.986

GS = 3.988

CENTROID #

PATTERN #	2
SHOTS (BEST OF)	10
MAXIMUM X	1.050
MINIMUM X	-.866
MAXIMUM Y	1.178
MINIMUM Y	-2.808
CENTROID X	.151
CENTROID Y	.016
POR TO CENTROID in.	.152
MIN RADIUS	.523
MEAN RADIUS	1.122
MAX RADIUS	2.919
HORIZONTAL SPREAD	1.917
VERTICAL SPREAD	3.986
EXTREME SPREAD	3.988
NUMBER IN ONE INCH CIRCLE =	0
NUMBER IN TWO INCH CIRCLE =	7
NUMBER IN THREE INCH CIRCLE =	9

6 Dec 1990

FILE:/PATTERNING/CENTERFIRE_PATT/CS523466

CENTERFIRE PATTERNS # 3

POA

1in circle

2in circle

3in circle

OF SHOTS= 10

IN CIR

1in = 2

2in = 5

3in = 8

HS= 2.899

VS= 3.220

GS= 3.413

CENTROID *

PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.645	1.637	.948
MINIMUM X	-1.254	-1.262	-1.058
MAXIMUM Y	1.021	.777	.840
MINIMUM Y	-2.199	-.738	-.675
CENTROID X	.310	.318	.114
CENTROID Y	-.065	.179	.116
POA TO CENTROID in.	.317	.365	.162
MIN RADIUS	.145	.348	.295
MEAN RADIUS	.987	.841	.720
MAX RADIUS	2.200	1.714	1.185
HORIZONTAL SPREAD	2.899	2.899	2.006
VERTICAL SPREAD	3.220	1.515	1.515
EXTREME SPREAD	3.413	3.102	2.025
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	8		

6 Oct 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C8523466

CENTERFIRE PATTERNS # 4

POA

1in circle

2in circle

3in circle

OF SHOTS- 10

IN CIR

1in = 1

2in = 4

3in = 8

HS= 3.355

VS= 3.474

GS= 3.614

CENTROID #

PATTERN #	4	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.122	.874	.904
MINIMUM X	-2.233	-.960	-.930
MAXIMUM Y	1.035	.885	.562
MINIMUM Y	-2.439	-2.589	-.802
CENTROID X	.109	.357	.327
CENTROID Y	.197	.347	.670
POA TO CENTROID in.	.225	.497	.746
MIN RADIUS	.484	.237	.122
MEAN RADIUS	1.206	.959	.638
MAX RADIUS	2.605	2.599	1.208
HORIZONTAL SPREAD	3.355	1.834	1.834
VERTICAL SPREAD	3.474	3.474	1.364
EXTREME SPREAD	3.614	3.508	2.001
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		4	
NUMBER IN THREE INCH CIRCLE =		8	

6 Dec 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C6523466

CENTERFIRE PATTERNS # 5

POA

1in circle

2in circle

3in circle

OF SHOTS- 10

IN CIR

1in = 3

2in = 6

3in = 9

CENTROID #

HS= 2.815

VS= 2.420

CS= 3.274

PATTERN #	5		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.126	.938	.923
MINIMUM X	-1.689	-.774	-.788
MAXIMUM Y	1.291	1.169	.598
MINIMUM Y	-1.129	-1.251	-1.105
CENTROID X	.185	.373	.398
CENTROID Y	.069	.191	.045
POA TO CENTROID in.	.198	.419	.390
MIN RADIUS	.305	.119	.264
MEAN RADIUS	.871	.687	.650
MAX RADIUS	2.815	1.269	1.128
HORIZONTAL SPREAD	2.815	1.712	1.712
VERTICAL SPREAD	2.420	2.420	1.782
EXTREME SPREAD	3.274	2.422	2.856
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		9	

BARBER - M24 0154692 RECEIVING AND ESTIMATING REPORT

COMMENTS

ORDER
R 94-18376

INITIAL CUSTOMER ORDER NO.

FDC DAAA09-92-C-0834

W/10X SCOPE, M-24 SNIPER, W/DEPLOYMENT KIT

ATTN: FRED MARTIN

SCOPE S/N 90 0581

DATE RECEIVED
06/11/94

DATE OPENED
06/11/94

DATE CODE

SERIAL NUMBER

C6523466

NEW SERIAL NUMBER

MODEL AND GRADE

700 7.62

NATO

ACCESSORIES

SLING STRAP

HARD CASE

SCOPE MNTS

SCOPE BASE

FROM:

SHIP TO:

COMMANDER (W52H09413BH226)
DEFENSE DIST DEPOT ANNISTON
ATTN DDAA-UR BLDG 112
ANNISTON

AL 36201-5025

COMMANDER (W52H09413BH226)
DEFENSE DIST DEPOT ANNISTON
ATTN DDAA-UR BLDG 112
ANNISTON

AL
36201-5025

CUST NO: 098397 C.O.D.L

ACCOUNT NUMBER

ACCOUNT NUMBER N/C

WRITE ☐

PROM. DATE

ESTIMATED

VIA

7-23-96 FRT

GUN CONDITION

☐ NEW

☐ LIGHTLY WORN

☐ WORN

☐ VERY WORN

☐ UNREPAIRABLE

☐ MARRED

REPAIR CHARGE

EXCISE

TAX

INSURANCE

UPS

PARCEL POST

TOTAL

CUSTOMER CONCERN

AMMO

FUNCTION

FINISH

ACCURACY

FIT

INSPECT

CYCLE

A1

B1

TRIGGER GROUP

B2

BOLT ASSY.

B3

BARREL ASSY.

B4

D1

REC. ASSY.

B5

D2

WOOD

C1

D3

METAL

C2

E5

MAIN FAULT

PARTS

COMMENTS

NEW Stock
TRIGGER ASSY
MAG Box

Front & Rear Sight Assy

REPAIRMAN

PROOF

CLEAN

TEST

TARGET

PATTERN

GALLERY TESTER

DATE

DATE

DATE

DATE

DATE

OFFICE COPY

RD6925 REV. 1/94

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 0154692 54731

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

SERIAL NO. C6523466
DATE 7-22-96
TESTER DA

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	2.43	2.40	2.24	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.46	2.42	2.21	
PULL #3	2.37	2.30	2.22	
PULL #4	2.50	2.32	2.26	
PULL #5	2.41	2.24	2.16	
TOTAL	12.17	11.68	11.09	
AVG.	2.43	2.33	2.21	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.05	3.04		
PULL #2	3.09	3.09		
PULL #3	3.10	3.12		
PULL #4	3.14	3.06		
PULL #5	3.16	3.04		
TOTAL	15.54	15.35		
AVG.	3.10	3.07		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.19	3.88		4.22
PULL #2	4.18	3.89		4.14
PULL #3	4.24	4.00		4.09
PULL #4	4.24	4.00		4.02
PULL #5	4.20	3.86		4.07
TOTAL	21.05	19.63		20.54
AVG.	4.21	3.92		4.10

op. #	BARBER - M24 0154694 OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5.25	5			8/2	SF
	G) Safety Off Force	4	4	4			8/2	SF
	H) Trigger Pull Test & Retainability							
	I) Firing Pin Indent	.021	.021	.0215			8/2	SF
	J) Assemble Stock							
	K) Assemble Swivel Studs							
	L) Attach Front and Rear Sight Assemblies							
	M) Iron Sight Alignment							
	N) Detach Front & Rear Sights & place in numbered container							
	O) Attach Scope to Rifle							
	P) Detach & Attach Scope 20 Times							
640	Gallery Target & Test							
	A) Time							
	B) Malfunctions							
	C) Pierced Primers							
	D) Optical Clarity of Scope							
645	Inspect for Live Ammo							
655	Final Inspection A) Headspace							
	B) Trigger Pull	2.30	2.13	2.06	2.07	2.07	8/2	SF
	C) Function							
660	Pack							

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

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