

C6225304

MODEL 700™ M24

Model 700 M24™

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: RE00142410

Serial: C6225304 Model M24 SWS Center Fire
Caliber: 7.62 NATO

Repairman:

Verify Repair

Status:

Closed 3/4/2008 7:22:05 AM

Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name:

Address 1:

Address 2:

PO Box:

City: FORT BRAGG

State: NC

Zip Code: 28310

Country: US

FORT BRAGG

PO Box:

State: NC

Zip Code: 28310

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
A010	Hard Case	1
A026	Scope	1
A045	Bi Pod	1
A057	Fit and Rear Sgt Base	1

Repair Search

Refresh

Close

nagletj

3/4/2008

9:15 AM

CAPS

NUM



Serial Number: C6225304

Model: M24 SWS



RE00142410

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6225304.___0
FILE DATE AND TIME: 04/02/2008 11:24

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.076
The Average Y Centroid of the Five Target Set:	0.104
The Average Point of Impact of the Five Target Set:	0.129
The Average Mean Radius of the Five Target Set:	0.779
The Distance from POA to Centroid Target #1:	0.162
The Distance from Centroid Target #2 to Centroid Target #1:	0.220
The Distance from Centroid Target #3 to Centroid Target #1:	0.324
The Distance from Centroid Target #4 to Centroid Target #1:	0.263
The Distance from Centroid Target #5 to Centroid Target #1:	0.635

SERIAL NUMBER: C6225304. __0

TARGET NUMBER: 1

FILE DATE: 04/02/2008

FILE TIME: 11:24

POINT#	X	Y
1:	0.283	0.887
2:	0.345	0.500
3:	1.102	0.002
4:	-0.395	0.326
5:	-0.029	0.336
6:	-1.193	0.281
7:	-1.235	-0.018
8:	-0.113	-0.405
9:	0.278	-0.509
10:	-0.655	-1.196

X CENTROID: -0.161

Y CENTROID: 0.020

POA TO CENTROID: 0.162

HORZ SPREAD: 2.337

VERT SPREAD: 2.083

GROUP SPREAD: 2.284

MIN RADIUS: 0.342

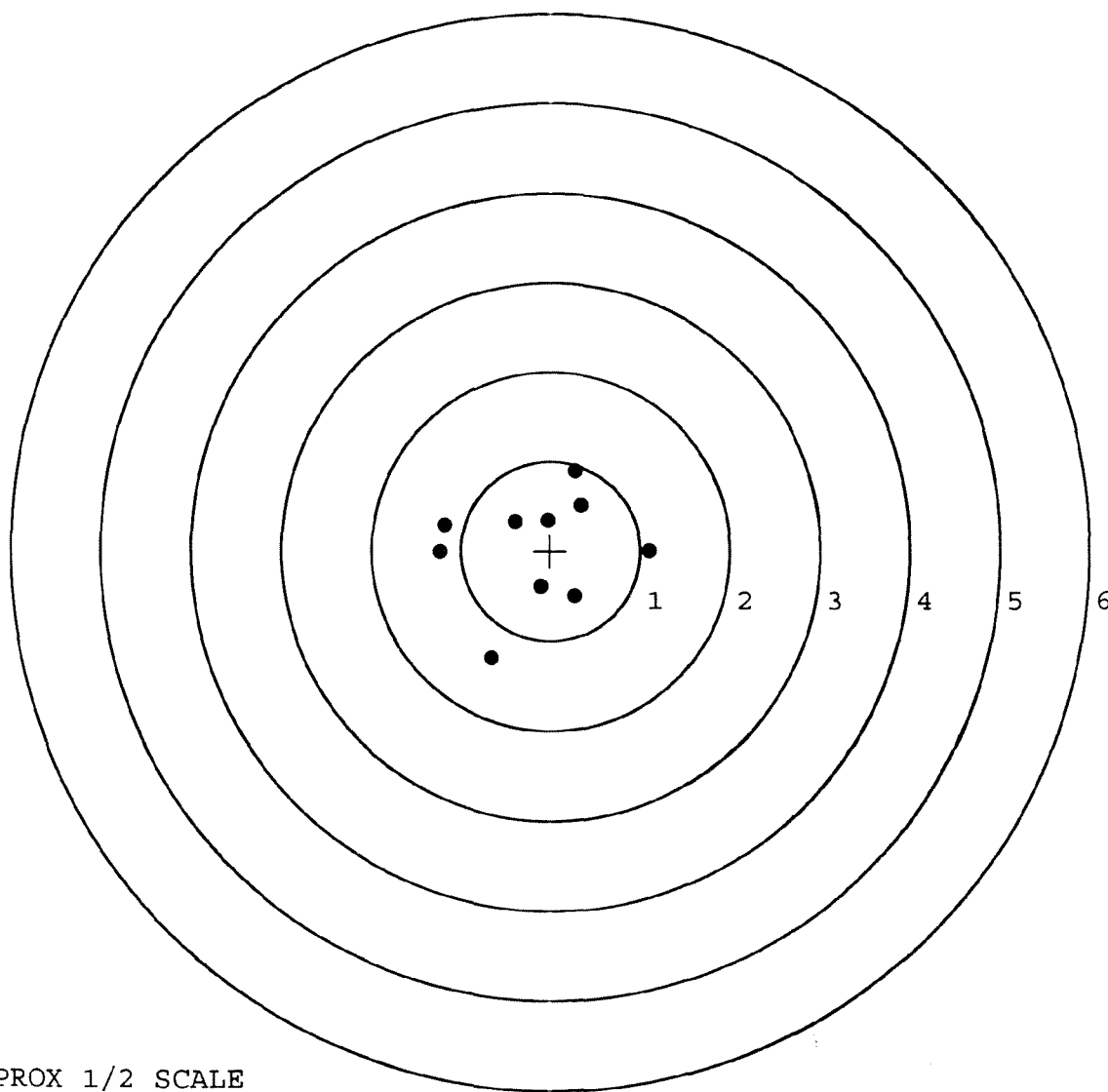
MAX RADIUS: 1.313

MEAN RADIUS: 0.823

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225304. __0

TARGET NUMBER: 2

FILE DATE: 04/02/2008

FILE TIME: 11:24

POINT#	X	Y
1:	-0.277	0.956
2:	-0.102	0.953
3:	0.082	0.579
4:	-0.115	0.191
5:	0.416	0.141
6:	1.108	0.091
7:	-0.757	-0.162
8:	-0.461	-0.168
9:	0.160	-0.362
10:	0.113	-0.721

X CENTROID: 0.017

Y CENTROID: 0.150

POA TO CENTROID: 0.151

HORZ SPREAD: 1.865

VERT SPREAD: 1.677

GROUP SPREAD: 1.882

MIN RADIUS: 0.138

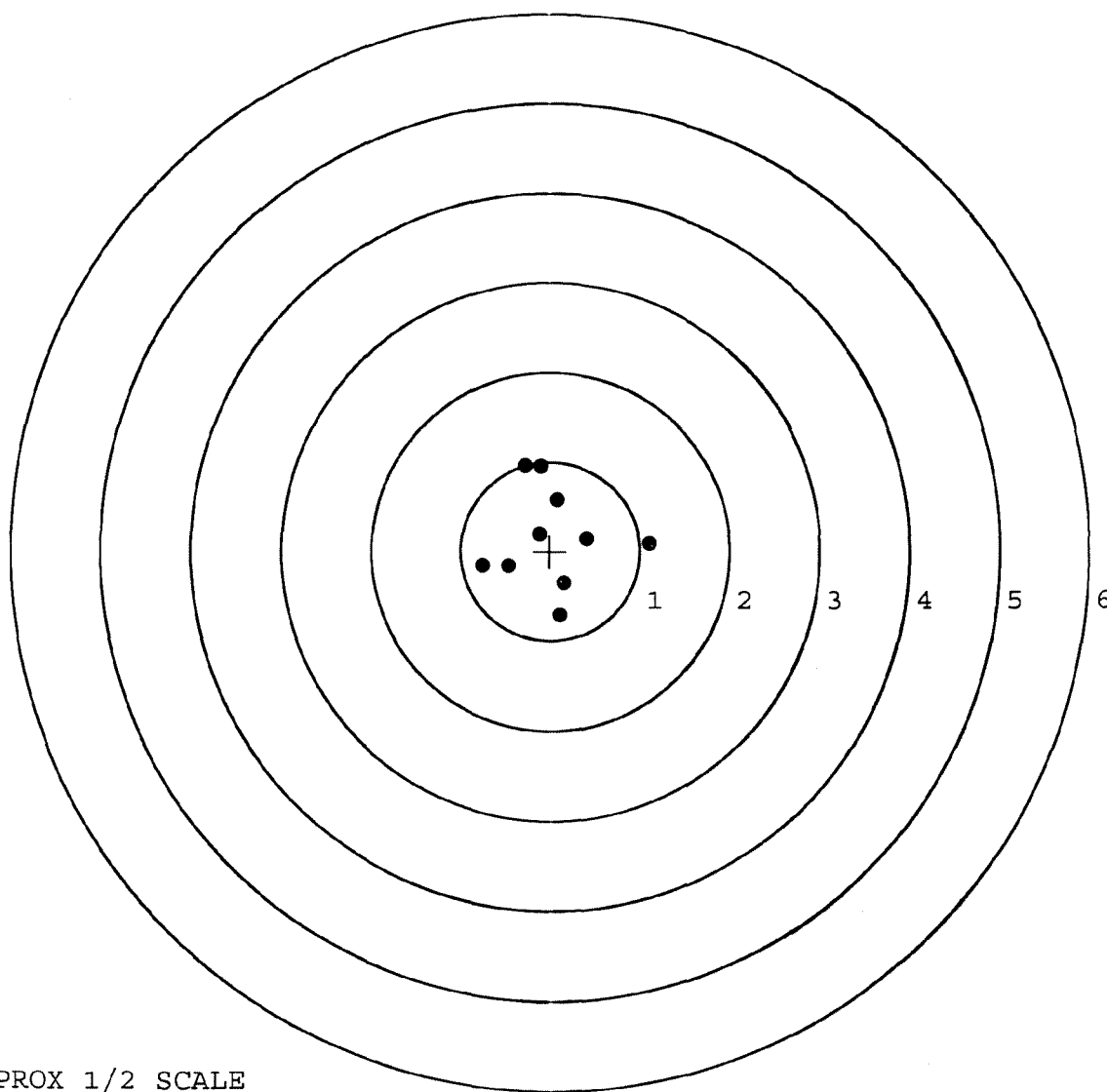
MAX RADIUS: 1.093

MEAN RADIUS: 0.655

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

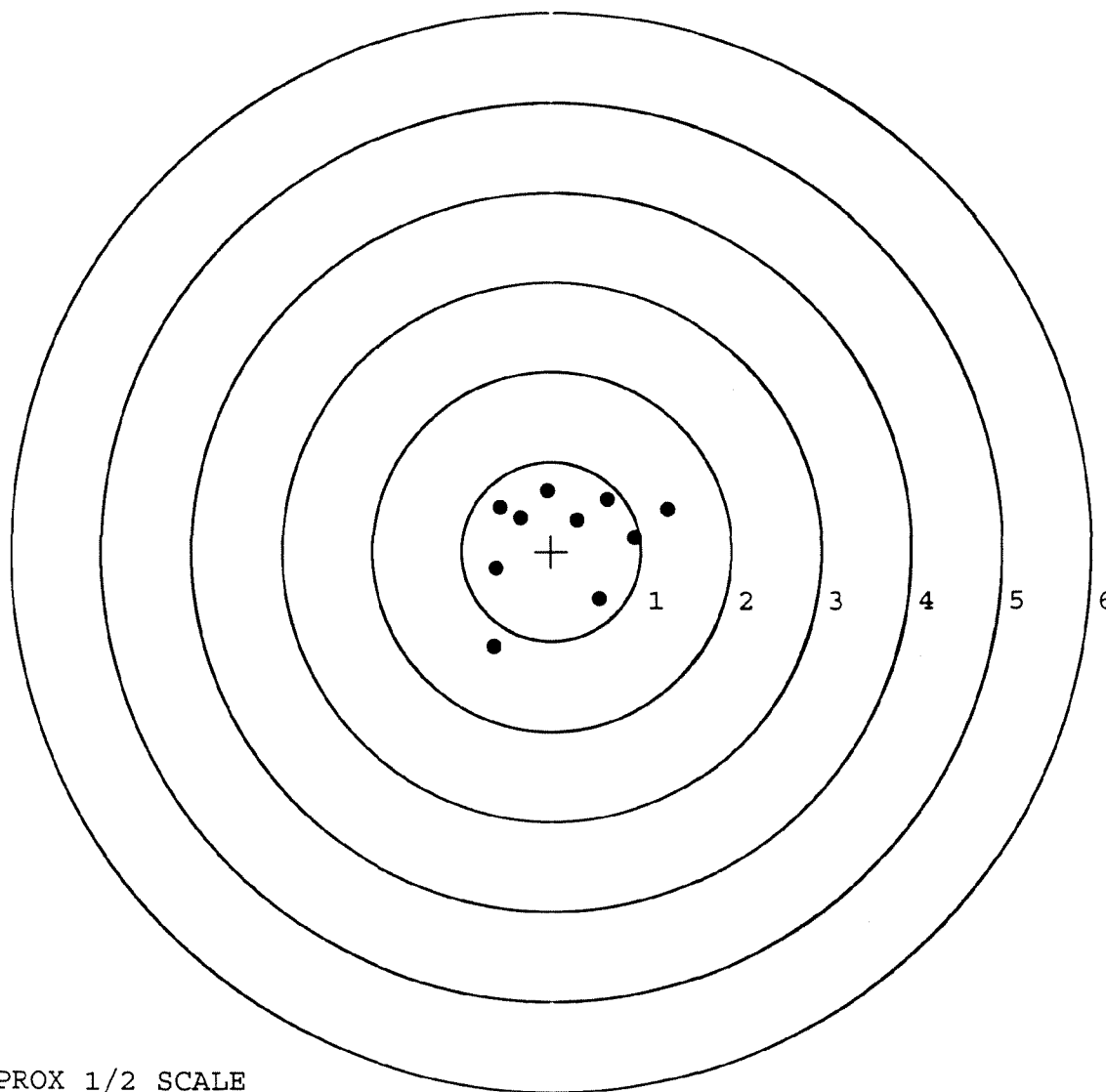


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225304. __0
TARGET NUMBER: 3
FILE DATE: 04/02/2008
FILE TIME: 11:24

POINT#	X	Y
1:	-0.047	0.680
2:	-0.580	0.488
3:	-0.348	0.375
4:	-0.620	-0.196
5:	-0.643	-1.071
6:	0.536	-0.534
7:	0.292	0.349
8:	0.932	0.153
9:	0.626	0.576
10:	1.292	0.463

X CENTROID: 0.144
Y CENTROID: 0.128
POA TO CENTROID: 0.193
HORZ SPREAD: 1.935
VERT SPREAD: 1.751
GROUP SPREAD: 2.469
MIN RADIUS: 0.266
MAX RADIUS: 1.434
MEAN RADIUS: 0.788
IN 1 IN DIAMETER: 1
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225304. 0

TARGET NUMBER: 4

FILE DATE: 04/02/2008

FILE TIME: 11:24

POINT#	X	Y
1:	-0.194	0.765
2:	-0.316	0.267
3:	-1.024	0.202
4:	-0.300	-0.166
5:	-0.593	-0.530
6:	0.095	-0.632
7:	0.202	-0.268
8:	0.969	0.097
9:	1.190	0.055
10:	0.216	-1.453

X CENTROID: 0.024

Y CENTROID: -0.166

POA TO CENTROID: 0.168

HORZ SPREAD: 2.214

VERT SPREAD: 2.218

GROUP SPREAD: 2.256

MIN RADIUS: 0.205

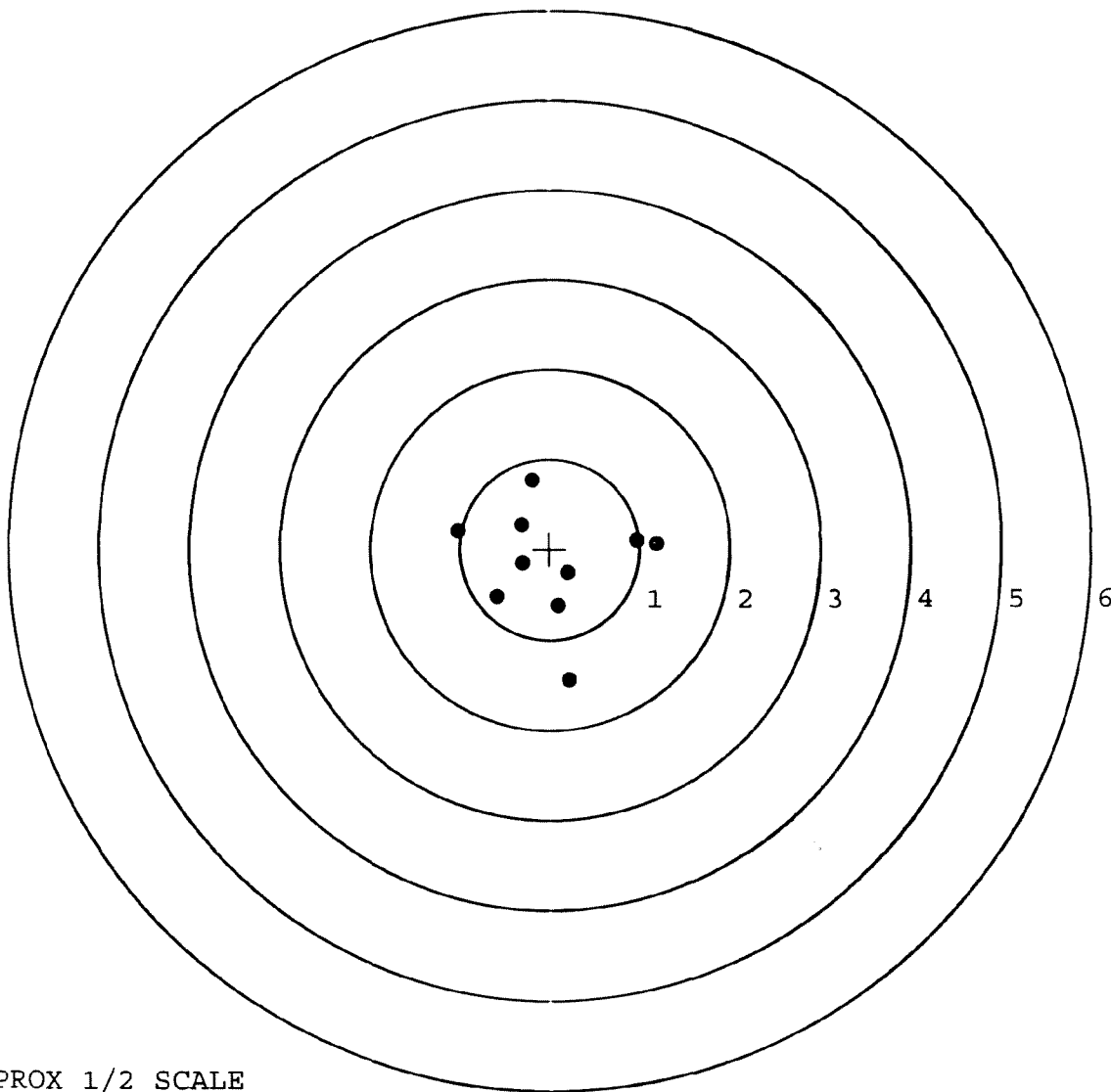
MAX RADIUS: 1.301

MEAN RADIUS: 0.780

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225304. __0

TARGET NUMBER: 5

FILE DATE: 04/02/2008

FILE TIME: 11:24

POINT#	X	Y
1:	-0.252	1.120
2:	0.562	0.992
3:	1.163	0.480
4:	0.541	0.398
5:	0.624	-0.010
6:	-0.867	-0.761
7:	0.537	-0.915
8:	0.029	2.052
9:	0.647	0.489
10:	0.568	0.052

X CENTROID: 0.355

Y CENTROID: 0.390

POA TO CENTROID: 0.527

HORZ SPREAD: 2.030

VERT SPREAD: 2.967

GROUP SPREAD: 3.010

MIN RADIUS: 0.186

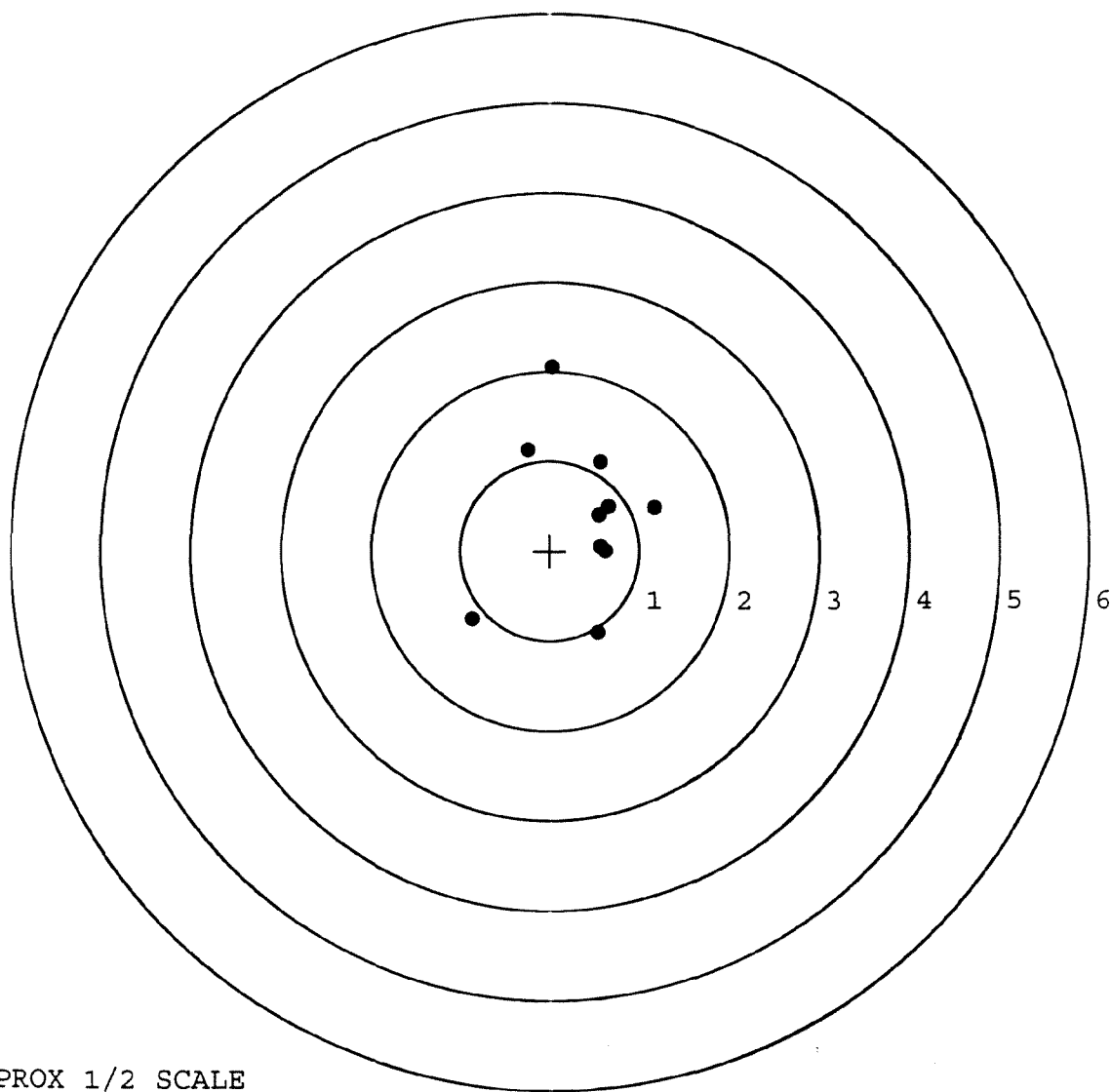
MAX RADIUS: 1.694

MEAN RADIUS: 0.846

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 8



TARGET APPROX 1/2 SCALE

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

R & E NUMBER <u>00142410</u>	
SERIAL NUMBER <u>C6225304</u>	
LOG-IN DATE <u>3-3-08</u>	

OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	3-11-08	SP.D.
505	RE-BARREL	3-12-08	SP.D.
560	ASSEMBLE	3-12-08	SP.D.
600	PROOF	3-13-08	TRW
605	CHECK HEADSPACE	3-13-08	TRW
610	DIS-ASSEMBLE GUN	3-13-08	SP.D.
612	MAGNAFLUX	3-14-08	WMS
510	DRILL AND TAP	3-13-08	Fm
615	ROLLMARK CALIBER	3-13-08	CW
618	ROTO-BLAST	3-14-08	DE
620	APPLY COATINGS	3-26-08	HP
625	FINAL ASSEMBLY	4-1-08	RTZ
640	FUNCTION TEST AND	(PASS) FAIL	4-2-08 SD
650	TARGET	(PASS) FAIL	4-2-08 SD
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION N/A	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	4-2-08 TRW
670	FINAL INSPECTION		4-14-08 Fm
	A) HEADSPACE	(PASS) FAIL	4-14-08 Fm
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	2.10 2.11 2.15 2.13 2.09 4/4/08 Fm
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS MAX	4.5 5 4.5 4/4/08 Fm
	G) SAFETY OFF FORCE	2 LBS MIN	4 4 4 4/4/08 Fm
	I) FIRING PIN INDENT	.020	.020 .021 .021 4/4/08 Fm
690	PACK		4/10/08 Fm

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225304

OP. #	OP. NAME	READINGS	DATE	INITIAL
575 & 580	Assemble Action and Stock	9 12 88		FB
600	Proof	9 19 88		RW
607	Check Headspace	9 19 88		RW
610	Dis-assemble Gun	9 19 88		RW
612	Magnaflux Barrel Action		9/22/88	RK
	Magnaflux Bolt		9/22/88	RK
615	Rollmark Caliber			
617	Drill and Tap Sight Holes			
618	Polish Barrel			
620	Apply Coatings (Barrel Action)		10/31/88	TJA
	Apply Coating (Bolt)		10/31/88	TJA
625	Final Assembly A) Clean inside of Bolt Assembly		11/14/88	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11/14/88	RW
	C) Inspect Ejector Hole for Chamfer		11/14/88	RW
	D) Oil Firing Pin Ass'y		11/14/88	RW
	E) Adjust Trigger Pull to Min Setting and Stake		11/14/88 88	RS

op. #	OP. NAME	READINGS					DATE	INITIAL
625 cont.	F) Safety On Force	5	5	5			17 Nov 88	JS
	G) Safety Off Force	3	3	3			17 Nov 88	JS
	H) Trigger Pull Test & Retainability						14 Nov	JS
	I) Firing Pin Indent	.0205	.0205	.0205			17 Nov 88	JS
	J) Assemble Stock						11/17/88	RW
	K) Assemble Swivel Studs						6 Dec 88	JS
	L) Attach Front and Rear Sight Assemblies						12/6/88	RW
	M) Iron Sight Alignment						12/6/88	RW
	N) Detach Front & Rear Sights & place in numbered container						12/6/88	RW
	O) Attach Scope to Rifle						11/28/88	RW
	P) Detach & Attach Scope 20 Times						11/28/88	WBS
640	Gallery Target & Test	75R	76L				12/5/88	D/H
	A) Time							
	B) Malfunctions							
	C) Pierced Primers							
	D) Optical Clarity of Scope						12/5/88	D/H
645	Inspect for Live Ammo						12/5/88	D/H
655	Final Inspection							
	A) Headspace						6 Dec 88	JS
	B) Trigger Pull	2.41	2.43	2.29	2.25	2.22	6 Dec 88	JS
	C) Function						6 Dec 88	JS
660	Pack						14 Dec 88	JS

0.2
SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#
3.00# ± .75#
4.00# ± 1.00#

SERIAL NO. C6225304

DATE 1400188

TESTER QID

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.42	2.38	2.40	2.41	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.45	2.43	2.41	2.43	
PULL #3	2.41	2.45	2.39	2.29	
PULL #4	2.48	2.40	2.35	2.25	
PULL #5	2.34	2.37	2.38	2.22	
TOTAL	12.00	12.03	21.93	11.60	
AVG.	2.40	2.406	4.386	2.32	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.10	3.02		
PULL #2	3.09	2.91		
PULL #3	3.06	3.06		
PULL #4	3.06	3.07		
PULL #5	3.00	2.97		
TOTAL	15.31	15.03		
AVG.	3.062	3.006		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.29	4.20		4.28
PULL #2	4.32	4.27		4.32
PULL #3	4.29	4.27		4.32
PULL #4	4.27	4.23		4.28
PULL #5	4.29	4.22		4.28
TOTAL	21.46	21.19		21.48
AVG.	4.292	4.238		4.296

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225304

CENTROIDAL DISTANCES

0 TO	1	.934807
1 TO	2	.8883
1 TO	3	1.27909
1 TO	4	1.14273
1 TO	5	.803645

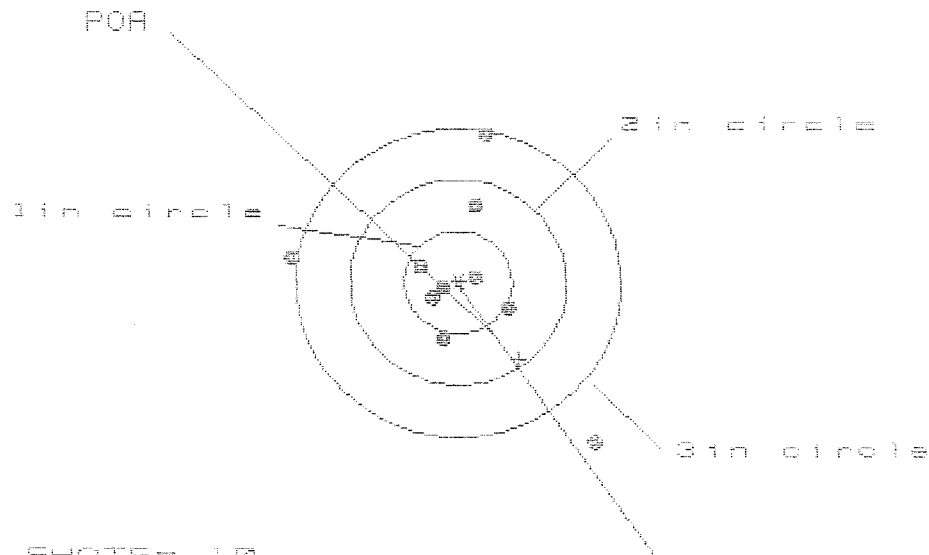
1
+ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .2382
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .5196
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .56831
THE AMR FOR THIS RIFLE IS: .7668

6 Dec 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6225384

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1in = 4

2in = 7

3in = 8

HS= 2.0832

VS= 3.014

GS= 3.386

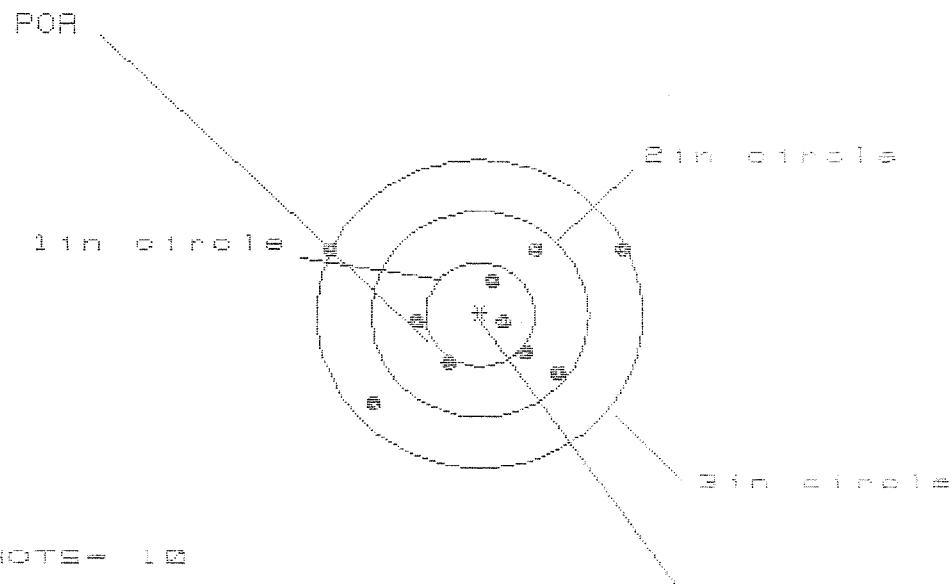
CENTROID #

PATTERN #	:	1	2	3
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.276	.601	.422
MINIMUM X	:	-1.577	-1.436	-.342
MAXIMUM Y	:	1.452	1.279	1.298
MINIMUM Y	:	-1.562	-.695	-.684
CENTROID X	:	-.558	-.699	-.520
CENTROID Y	:	.750	.923	.912
POA TO CENTROID in.	:	.934	1.158	1.850
MIN RADIUS	:	.114	.164	.186
MEAN RADIUS	:	.782	.661	.551
MAX RADIUS	:	2.016	1.438	1.317
HORIZONTAL SPREAD	:	2.853	2.037	.764
VERTICAL SPREAD	:	3.014	1.974	1.974
EXTREME SPREAD	:	3.386	2.225	2.026
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		8	

6 Dec 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C62253B4

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 7

3 in = 9

IS= 2.665

VS= 1.483

GS= 2.719

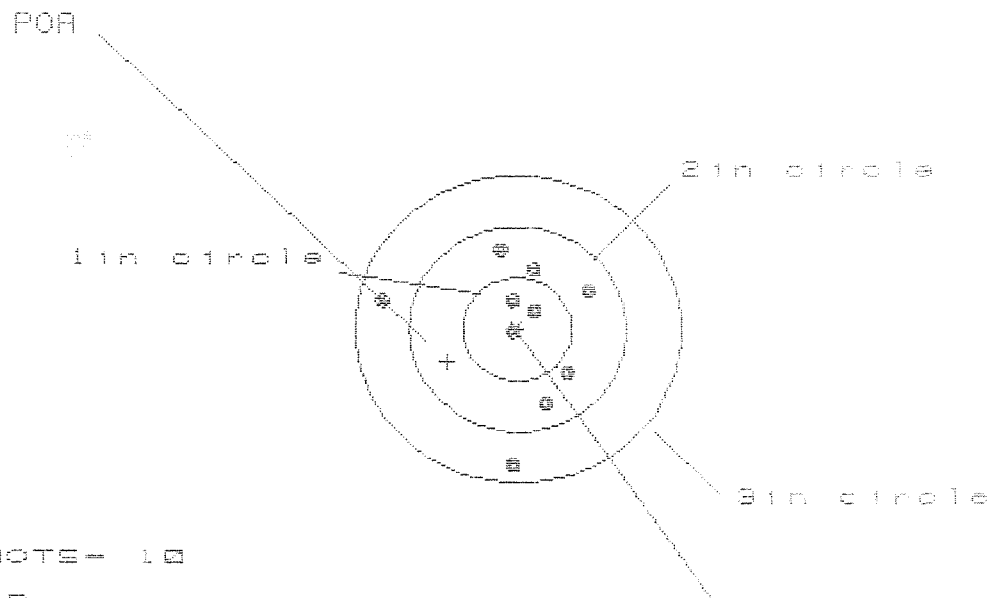
CENTROID *

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.276	1.122	.723
MINIMUM X	:	-1.389	-1.159	-1.019
MAXIMUM Y	:	.665	.739	.831
MINIMUM Y	:	-.818	-.744	-.653
CENTROID X	:	.283	.437	.297
CENTROID Y	:	.464	.390	.299
POA TO CENTROID in.	:	.543	.586	.421
MIN RADIUS	:	.218	.065	.232
MEAN RADIUS	:	.833	.723	.654
MAX RADIUS	:	1.538	1.378	1.210
HORIZONTAL SPREAD	:	2.665	2.281	1.742
VERTICAL SPREAD	:	1.483	1.483	1.483
EXTREME SPREAD	:	2.719	2.719	2.122
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

6 Dec 1988

FILE:/PATTERNING/CENTERFIRE_PATT/CS225384

CENTERFIRE PATTERNS # 3



OF SHOTS - 10

IN CIR

1in = 3

2in = 8

3in = 10

HS = 1.902

VS = 2.134

GS = 2.135

CENTROID *

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.618	.612	.451
MINIMUM X	:	-1.284	-1.290	-.298
MAXIMUM Y	:	.796	.647	.667
MINIMUM Y	:	-1.338	-.868	-.848
CENTROID X	:	.647	.653	.814
CENTROID Y	:	.321	.470	.450
POA TO CENTROID in.	:	.722	.804	.930
MIN RADIUS	:	.040	.127	.048
MEAN RADIUS	:	.673	.574	.471
MAX RADIUS	:	1.339	1.299	.849
HORIZONTAL SPREAD	:	1.902	1.902	.749
VERTICAL SPREAD	:	2.134	1.515	1.515
EXTREME SPREAD	:	2.135	1.906	1.552
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		10	

6 Dec 1988

FILE:/PATTERNING/CENTERFIRE_PATT/06225304

CENTERFIRE PATTERNS

4

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS = 10

IN CIR

1 in = 4

2 in = 7

3 in = 9

HS = 0.0000

VS = 0.0000

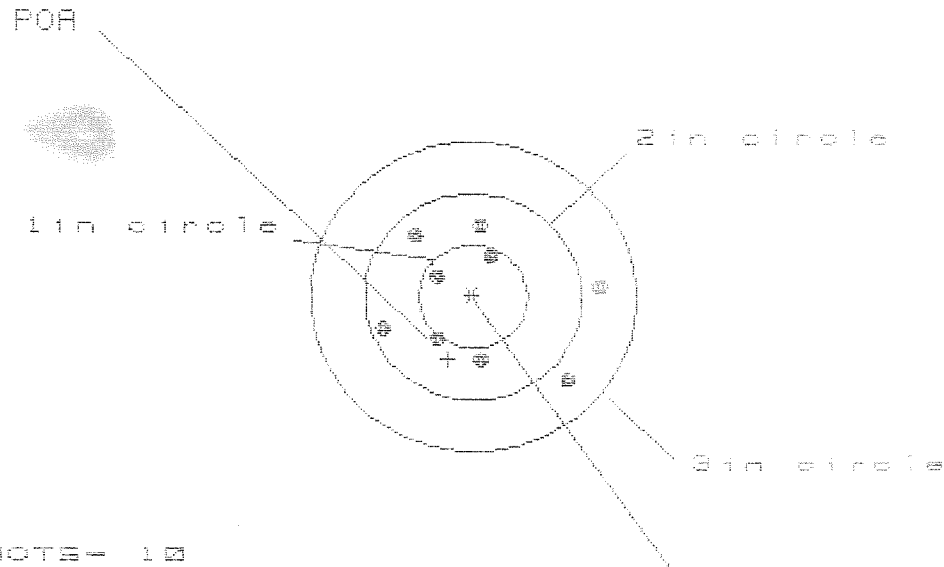
GS = 0.0007

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.115	1.187	1.043
MINIMUM X	-1.224	-1.152	-.953
MAXIMUM Y	1.824	.670	.657
MINIMUM Y	-.784	-.582	-.595
CENTROID X	.546	.474	.618
CENTROID Y	.455	.253	.266
POA TO CENTROID in.	.711	.537	.673
MIN RADIUS	.408	.196	.215
MEAN RADIUS	.844	.665	.587
MAX RADIUS	1.934	1.213	1.157
HORIZONTAL SPREAD	2.339	2.339	1.996
VERTICAL SPREAD	2.688	1.252	1.252
EXTREME SPREAD	2.837	2.366	2.040
NUMBER IN ONE INCH CIRCLE =		4	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		9	

6 Dec 1988

FILE:/PATTERNING/CENTERFIRE_PATT/08225381

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 3

2in = 8

3in = 10

HS= 1.997

VS= 1.537

GS= 2.030

CENTROID #

PATTERN #	5
SHOTS (BEST OF)	10
MAXIMUM X	1.206
MINIMUM X	-.791
MAXIMUM Y	.741
MINIMUM Y	-.796
CENTROID X	.233
CENTROID Y	.608
FOR TO CENTROID in.	.651
MIN RADIUS	.369
MEAN RADIUS	.702
MAX RADIUS	1.207
HORIZONTAL SPREAD	1.997
VERTICAL SPREAD	1.537
EXTREME SPREAD	2.030
NUMBER IN ONE INCH CIRCLE =	3
NUMBER IN TWO INCH CIRCLE =	8
NUMBER IN THREE INCH CIRCLE =	10

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: **RE00014571** Serial: **C6225304** Model: **700** Center Fire Caliber: **7.62 NATO M-24 (SW/S)** Repairman: Status: **Closed 9/27/00 3:07:21 PM**

Verify Repair

Address Information

Customer: ☒ Received From Return To: ☐ Received From

Name: **HSC 3RD BN 3RD SFG (A)** **HSC 3RD BN 3RD SFG (A)**

Address 1: **BLDG J 2050** **BLDG J 2050**

Address 2: PO Box:

City: **FORT BRAGG** **FORT BRAGG**

State: **NC** Zip Code: **28310** Country: **US** State: **NC** Zip Code: **28310** Country: **US**

FPL:

Contact / Condition Problems Estimate History / Status Shipping / Billing

Contact Information

Phone:

Fax:

Email:

Comments:

Received Condition

Foot:

Condition Notes:

CSR Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	1
A010	Hard Case	1
A016	Scope Mounts	1
A017	Scope Base	1
A026	Scope	1

Repair Search Refresh Close

nsgelel 9/28/00 7:27 AM EXP NUM US SCRL

Start In Na Ex Mi Pa Ar Om Pl

Serial Number: **C6225304**

Model: **700**



RE00014571

BBL- 96003
BOLT- 96005

Final Inspection

S.N. C6225304

DATE REC'D: 9-26-00

DATE RET'D:

AUDITOR:

RW

Item:

BARREL ASSY.

☒ BARREL

☒ RECEIVER

☒ FRONT SIGHT BLOCK

☒ REAR SIGHT BLOCK

☒ SCREWS

☒ FINISH

SCOPE ASSY.

☒ SCOPE

☒ SCOPE RINGS

☒ MOUNTING SCREWS

☒ MOUNTING BASE

☒ SCREWS

☒ FINISH

☒ LOOSENESS

☒ CLARITY

MISC.

☒ DD-250

☒ BAR CODE

☒ PACKAGING

Item:

STOCK ASSY.

☒ STOCK

☒ SLING SWIVEL STUDS

☒ ADJUSTABLE BUTT PLATE

☒ LOCK NUTS

☒ BARREL CLEARANCE

☒ COLOR/FINISH

SYSTEMS CASE

☒ SCOPE CASE

☒ IRON SIGHTS

☒ DEPLOYMENT KIT

TRIGGER

☒ SAFETY OPERATION

☒ SET

Comments:

M-24 INSPECTION CHECKLIST
CONTRACT #: DAAE-20-97-C-242

[illegible]