

C6225528

MODEL 700™ M24

Model **SMS**™

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: **RE00049184** Serial: C6225528 Model: 700 Center Fire Caliber: 7.62 NATO M24 SWS Repairman: Status: Closed 7/12/02 10:32:19 AM

Verify Repair

Address Information

Customer: Received From Return To: Received From

Name: **JOINT TRANSPORT DIV** **JOINT TRANSPORT DIV**

Address 1: **ATTN:ATZH JTM M** **ATTN:ATZH JTM M**

Address 2: **BOX 339500 MS 53** PO Box: **BOX 339500 MS 53** PO Box:

City: **FORT LEWIS** **FORT LEWIS**

State: **WA** Zip Code: **98433** Country: **US** State: **WA** Zip Code: **98433** Country: **US**

FFL: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Contact / Condition Problems Estimate History / Status Shipping / Billing

Contact Information

Phone:

Fax:

Email:

Comments:

Received Condition

Condition: **Fair**

Condition Notes:

CSR Notes:

Accessories Received

Code	Desc	Qty
A007	With Studs	3
X001	Fr. & Rear Bases	2

Repair Search **Refresh** **Close**

negtel 7/12/02 11:04 AM CAPS NUM INS SCFL

Start [Icons] 11:04 AM

Serial Number: **C6225528**

Model: **700**



RE00049184

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6225528.___0
FILE DATE AND TIME: 08/06/2002 13:48

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

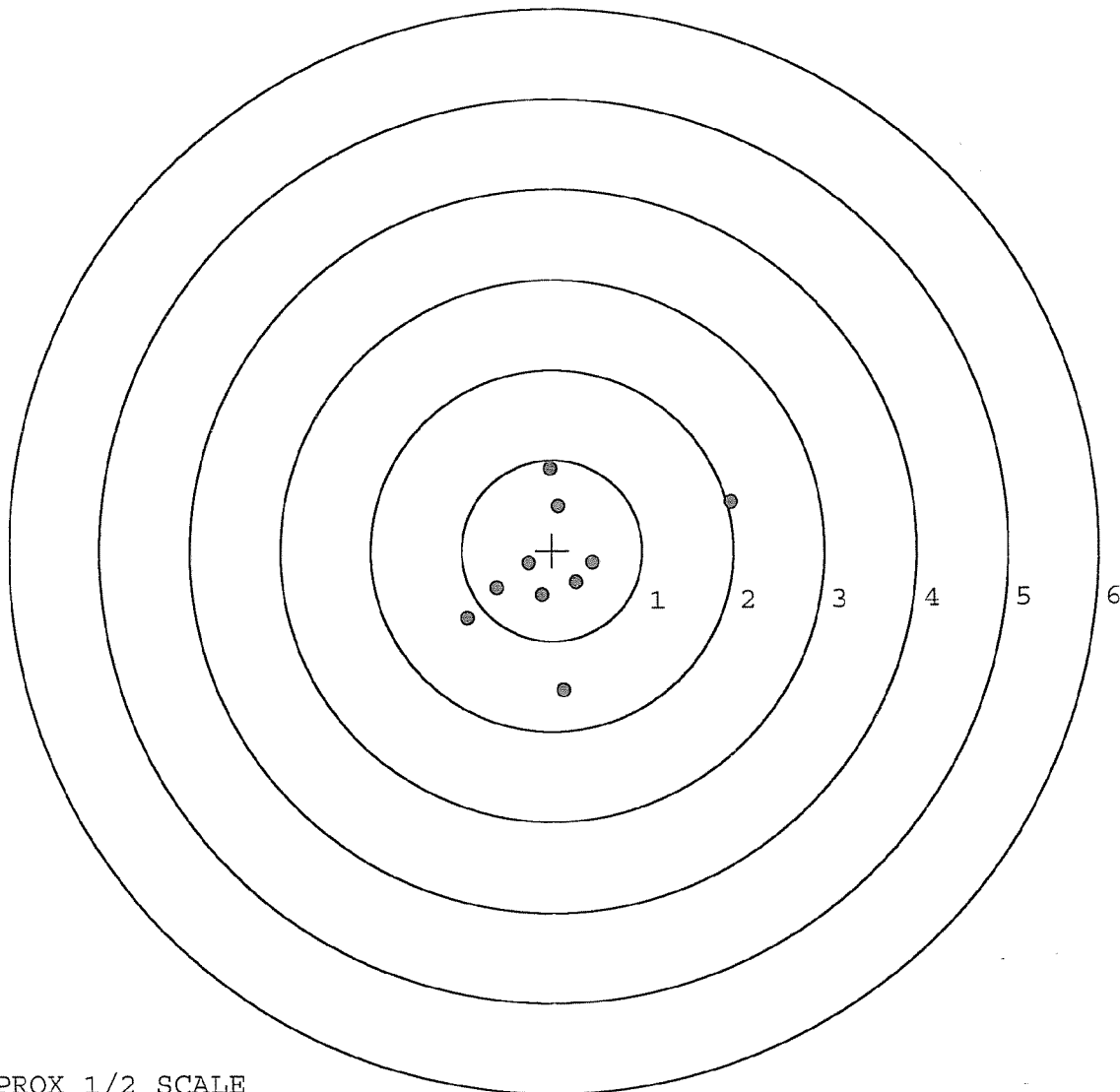
The Average X Centroid of the Five Target Set:	0.068
The Average Y Centroid of the Five Target Set:	-0.016
The Average Point of Impact of the Five Target Set:	0.070
The Average Mean Radius of the Five Target Set:	0.755
The Distance from POA to Centroid Target #1:	0.214
The Distance from Centroid Target #2 to Centroid Target #1:	0.531
The Distance from Centroid Target #3 to Centroid Target #1:	0.084
The Distance from Centroid Target #4 to Centroid Target #1:	0.154
The Distance from Centroid Target #5 to Centroid Target #1:	0.235

BARBER - M24 0050743

SERIAL NUMBER: C6225528. __0
 TARGET NUMBER: 1
 FILE DATE: 08/06/2002
 FILE TIME: 13:48

X CENTROID: 0.092
 Y CENTROID: -0.193
 POA TO CENTROID: 0.214
 HORZ SPREAD: 2.921
 VERT SPREAD: 2.453
 GROUP SPREAD: 3.190
 MIN RADIUS: 0.235
 MAX RADIUS: 2.020
 MEAN RADIUS: 0.841
 # IN 1 IN DIAMETER: 4
 # IN 2 IN DIAMETER: 6
 # in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.124	-1.548
2:	1.978	0.530
3:	-0.023	0.905
4:	0.072	0.491
5:	0.451	-0.140
6:	0.263	-0.354
7:	-0.263	-0.143
8:	-0.119	-0.498
9:	-0.619	-0.418
10:	-0.943	-0.752

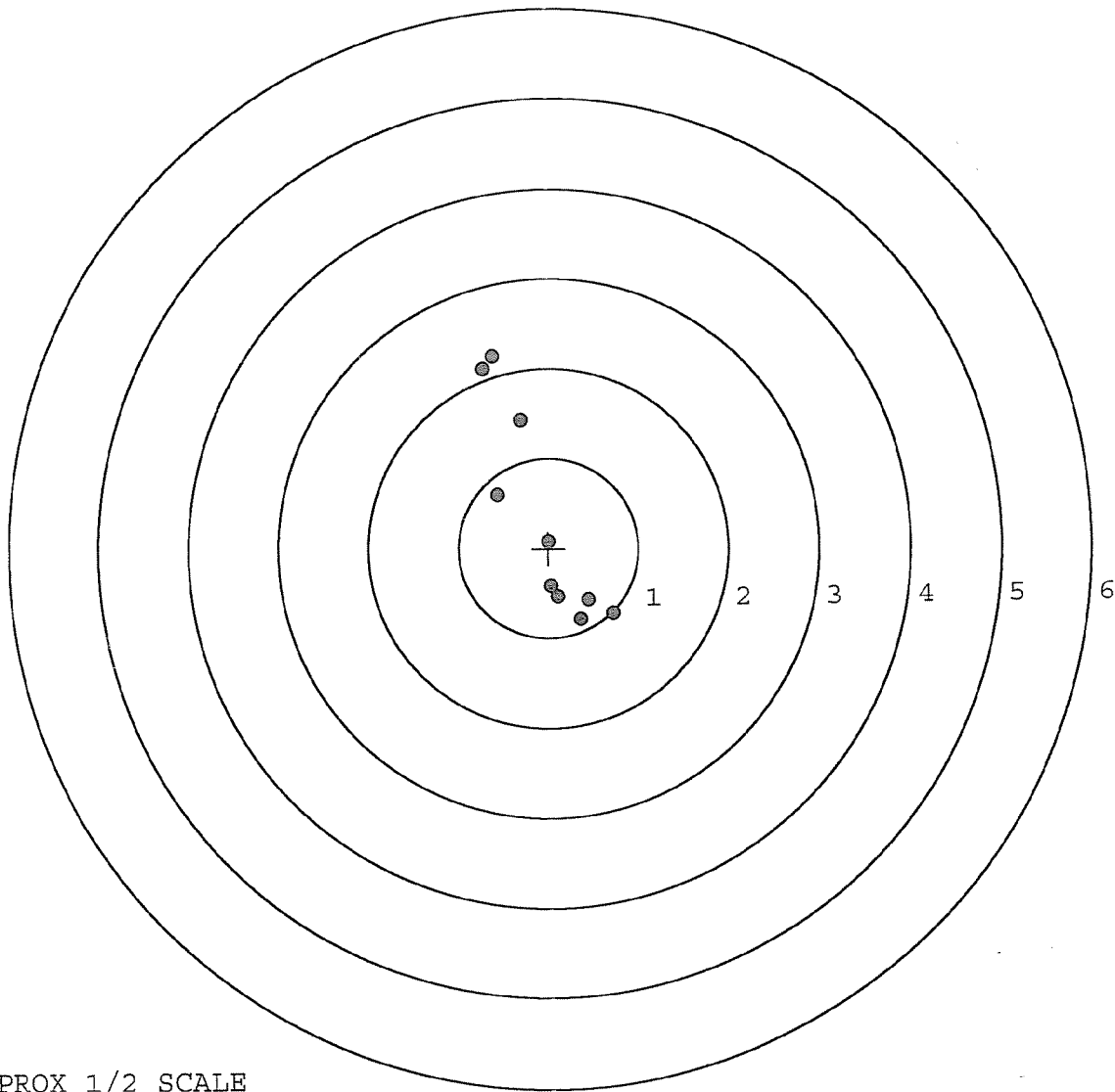


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225528. __0
 TARGET NUMBER: 2
 FILE DATE: 08/06/2002
 FILE TIME: 13:48

POINT#	X	Y
1:	-0.616	2.140
2:	-0.726	1.996
3:	-0.308	1.425
4:	-0.560	0.598
5:	0.001	0.078
6:	0.718	-0.733
7:	0.357	-0.795
8:	0.441	-0.576
9:	0.104	-0.543
10:	0.030	-0.422

X CENTROID: -0.056
 Y CENTROID: 0.317
 POA TO CENTROID: 0.322
 HORZ SPREAD: 1.444
 VERT SPREAD: 2.935
 GROUP SPREAD: 3.168
 MIN RADIUS: 0.245
 MAX RADIUS: 1.907
 MEAN RADIUS: 1.080
 # IN 1 IN DIAMETER: 1
 # IN 2 IN DIAMETER: 4
 # in 3 IN DIAMETER: 8



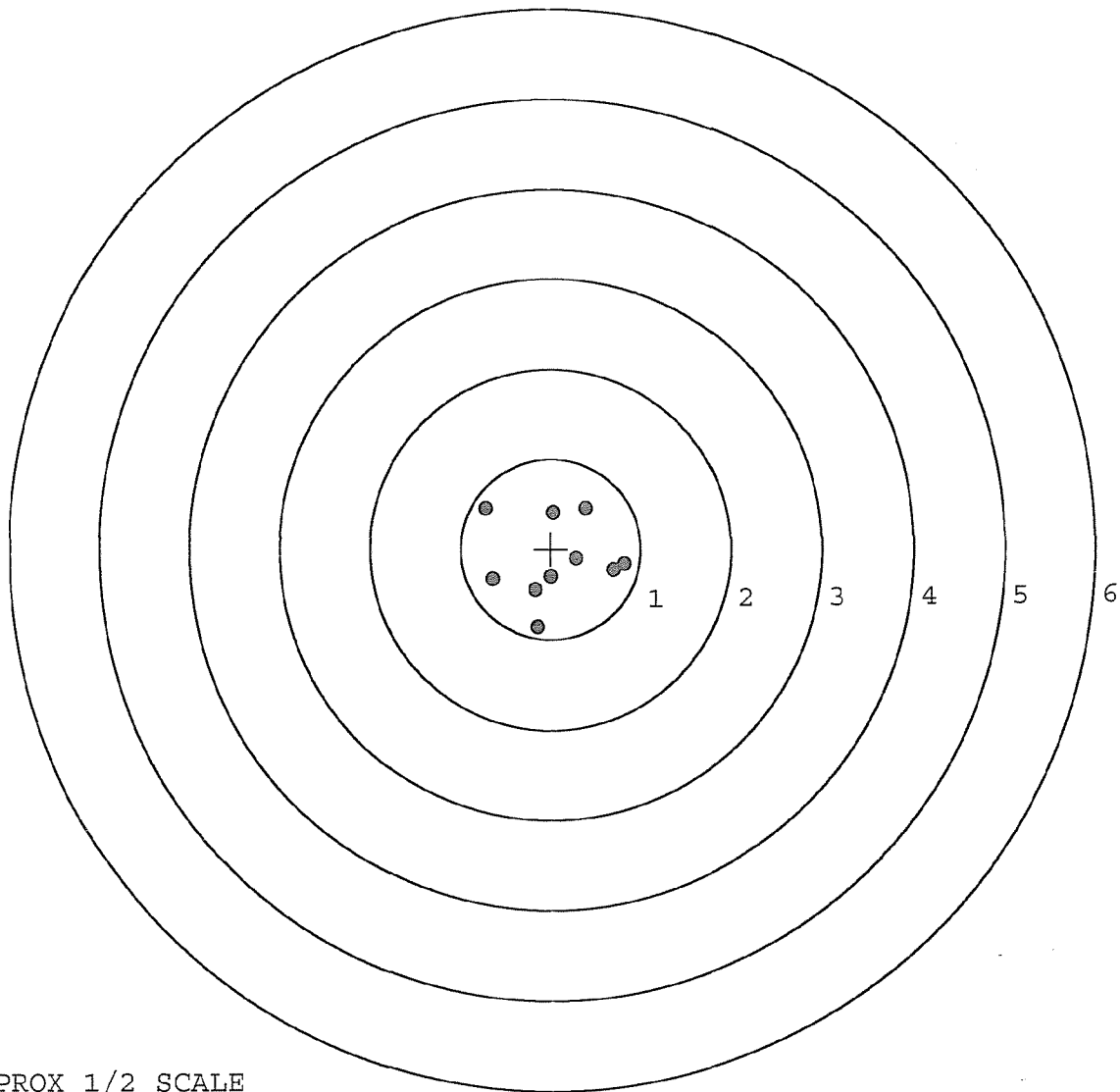
TARGET APPROX 1/2 SCALE

BARBER - M24 0050745

SERIAL NUMBER: C6225528. __0
 TARGET NUMBER: 3
 FILE DATE: 08/06/2002
 FILE TIME: 13:48

X CENTROID: 0.053
 Y CENTROID: -0.118
 POA TO CENTROID: 0.129
 HORZ SPREAD: 1.535
 VERT SPREAD: 1.323
 GROUP SPREAD: 1.655
 MIN RADIUS: 0.202
 MAX RADIUS: 0.958
 MEAN RADIUS: 0.592
 # IN 1 IN DIAMETER: 3
 # IN 2 IN DIAMETER: 10
 # in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.150	-0.872
2:	-0.651	-0.335
3:	-0.179	-0.455
4:	-0.718	0.451
5:	0.034	0.403
6:	0.398	0.451
7:	0.817	-0.169
8:	0.695	-0.234
9:	0.282	-0.108
10:	-0.001	-0.313



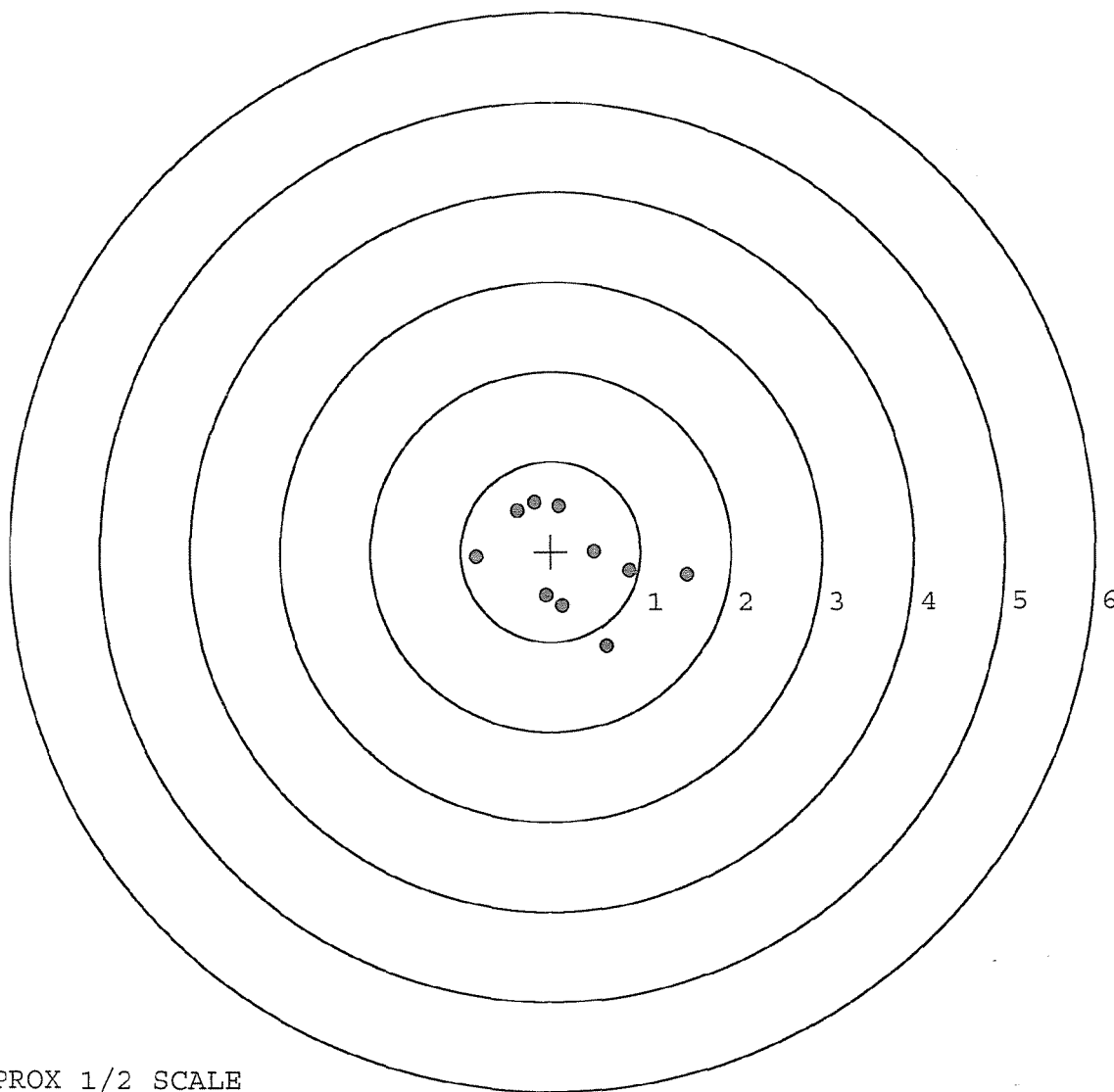
TARGET APPROX 1/2 SCALE

BARBER - M24 0050746

SERIAL NUMBER: C6225528. __0
 TARGET NUMBER: 4
 FILE DATE: 08/06/2002
 FILE TIME: 13:48

POINT#	X	Y
1:	1.517	-0.255
2:	0.875	-0.207
3:	0.482	-0.001
4:	0.086	0.503
5:	-0.187	0.544
6:	-0.380	0.452
7:	-0.828	-0.071
8:	-0.055	-0.493
9:	0.133	-0.601
10:	0.625	-1.044

X CENTROID: 0.227
 Y CENTROID: -0.117
 POA TO CENTROID: 0.255
 HORZ SPREAD: 2.345
 VERT SPREAD: 1.588
 GROUP SPREAD: 2.352
 MIN RADIUS: 0.280
 MAX RADIUS: 1.298
 MEAN RADIUS: 0.751
 # IN 1 IN DIAMETER: 3
 # IN 2 IN DIAMETER: 7
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

BARBER - M24 0050747

SERIAL NUMBER: C6225528. __0

TARGET NUMBER: 5

FILE DATE: 08/06/2002

FILE TIME: 13:48

X CENTROID: 0.026

Y CENTROID: 0.033

POA TO CENTROID: 0.042

HORZ SPREAD: 1.549

VERT SPREAD: 1.577

GROUP SPREAD: 1.616

MIN RADIUS: 0.070

MAX RADIUS: 0.933

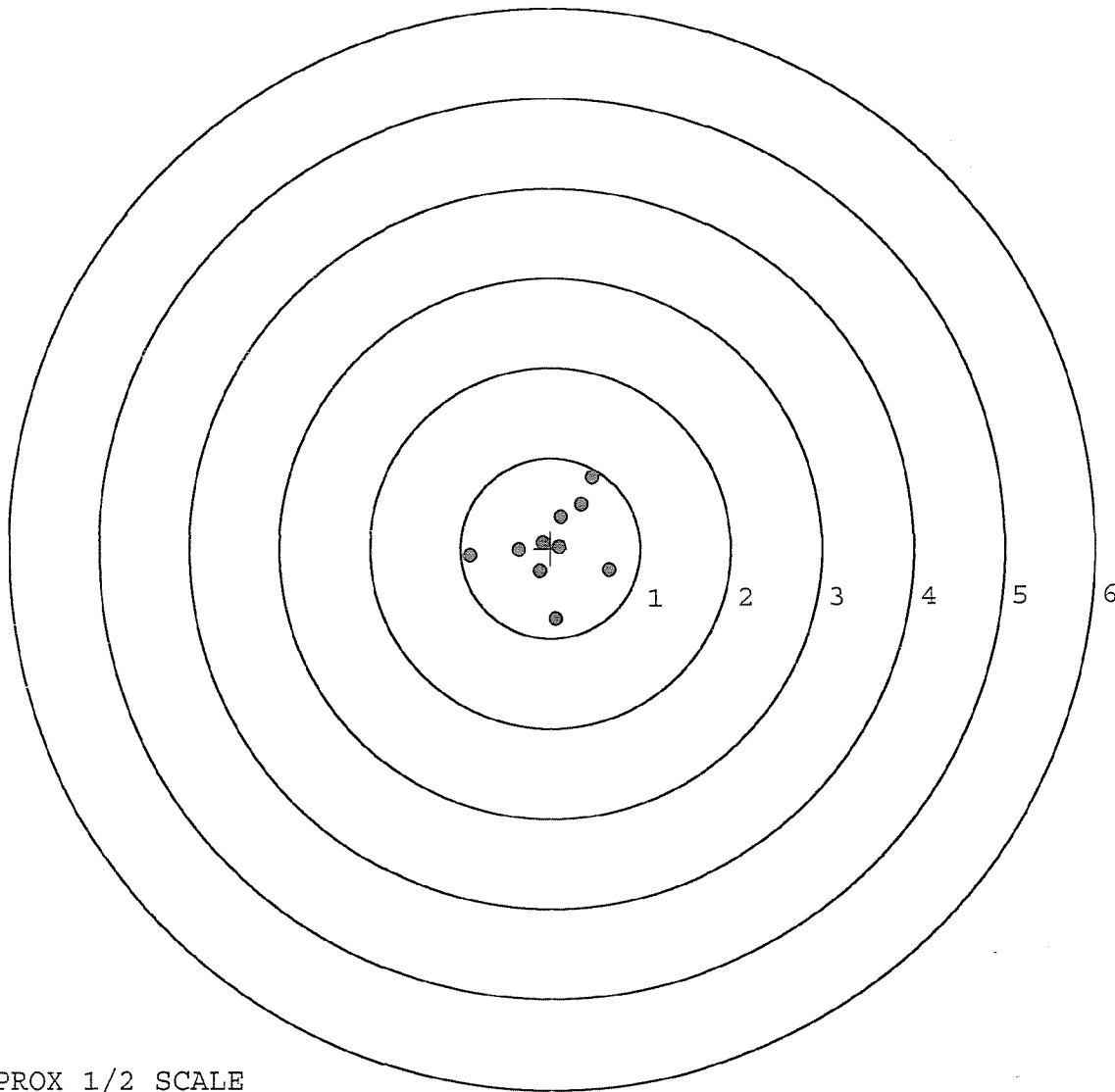
MEAN RADIUS: 0.511

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.057	-0.789
2:	0.649	-0.241
3:	0.463	0.788
4:	0.351	0.493
5:	0.124	0.351
6:	-0.900	-0.081
7:	-0.125	-0.254
8:	-0.357	-0.021
9:	-0.093	0.066
10:	0.095	0.017



TARGET APPROX 1/2 SCALE

Final Inspection

Sn: 0225528

DATE REC'D: 7/12/02

DATE RET'D: 8/5/02

Auditor: [Signature]

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

R & E NUMBER	49184		
SERIAL NUMBER	C 622 5528		
LOG-IN DATE	7/11/02		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	7/12/02	PL
560 A	RE-BARREL	7/12/02	RA
B	DRILL AND TAP	7-17-02	AC
575	ASSEMBLE	7/20/02	PL
600	PROOF	7-20-02	AC
605	CHECK HEADSPACE	7/22/02	PL
610	DIS-ASSEMBLE GUN	7/22/02	PL
612	MAGNAFLUX	MAGNA - FLUX	
615	ROLLMARK CALIBER	INSPECTED 7/23/02	TD
618	ROTO-BLAST	JUL 23 2002 7/23/02	RO
620	APPLY COATINGS	OPERATOR 7-26	TA
625 A	FINAL ASSEMBLY	8-2-02	RW
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	8-5-02	AC
655	FINAL INSPECT	8/6/02	PL
660	PACK	8-6-02	RA
		SHIP DATE	
	QAR INSPECTION DATE		

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225528

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	QUALITY AUDIT 4 21	89	RW
600	Proof		89	RW
607	Check Headspace		89	RW
610	Dis-assemble Gun		89	RW
612	Magnaflux Barrel Action		4/26	KCR
	Magnaflux Bolt		4/27	KCK
615	Rollmark Caliber		4/27	GL
617	Drill and Tap Sight Holes	4 27	89	JB
618	Polish Barrel RB	4 27	89	BT
620	Apply Coatings (Barrel Action)		5-8-89	TJA
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly		5/10/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/10/89	RW
	C) Inspect Ejector Hole for Chamfer		5/10/89	RW
	D) Oil Firing Pin Ass'y		5/10/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		5/17/89	GB

op. #	OP. NAME	READINGS			DATE	INIT
625 cont.	F) Safety On Force	7	7	7	5/17/89	94
	G) Safety Off Force	3	3	3	5/17/89	94
	H) Trigger Pull Test & Retainability				5/17/89	LS
	I) Firing Pin Indent	.021.5	.021	.022	5/17/89	94
	J) Assemble Stock				5/17/89	RW
	K) Assemble Swivel Studs				18 May 89	LS
	L) Attach Front and Rear Sight Assemblies				5/17/89	RW
	M) Iron Sight Alignment				5/17/89	RW
	N) Detach Front & Rear Sights & place in numbered container				5/17/89	RW
	O) Attach Scope to Rifle				5/17/89	94
	P) Detach & Attach Scope 20 Times				5/18/89	94
640	Gallery Target & Test	48 R	105 L		5/18/89	DH
	A) Time				5/18/89	DH
	B) Malfunctions				5/18/89	DH
	C) Pierced Primers				5/18/89	DH
	D) Optical Clarity of Scope				5/18/89	DH
645	Inspect for Live Ammo				5/18/89	DH
655	Final Inspection					
	A) Headspace				18 May 89	LS
	B) Trigger Pull	2.07	2.25	2.24	18 May 89	LS
	C) Function				18 May 89	LS
660	Pack				20 June 89	LS

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

SERIAL NO. C6225528
DATE 17 May 89
TESTER ES

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.55	2.58	2.63	2.07	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.25	2.37	2.43	2.25	
PULL #3	2.24	2.12	2.27	2.24	
PULL #4	2.16	2.43	2.17	2.18	
PULL #5	2.52	2.23	2.26	2.13	
TOTAL	11.72	11.73	11.76	10.87	
AVG.	2.344	2.346	2.352	2.174	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.52	3.65		
PULL #2	3.36	3.60		
PULL #3	3.32	3.38		
PULL #4	3.21	3.05		
PULL #5	3.13	3.39		
TOTAL	16.60	17.07		
AVG.	3.32	3.414		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.20	4.25		4.48
PULL #2	4.05	4.26		4.31
PULL #3	4.44	4.31		4.28
PULL #4	4.29	4.16		4.37
PULL #5	3.95	4.42		4.62
TOTAL	20.93	21.40		22.06
AVG.	4.186	4.28		4.412

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE #: C6225528
18 May 1989

CENTROIDAL DISTANCES

0 TO	1	.756923
1 TO	2	.977221
1 TO	3	.284524
1 TO	4	.643467
1 TO	5	.67265

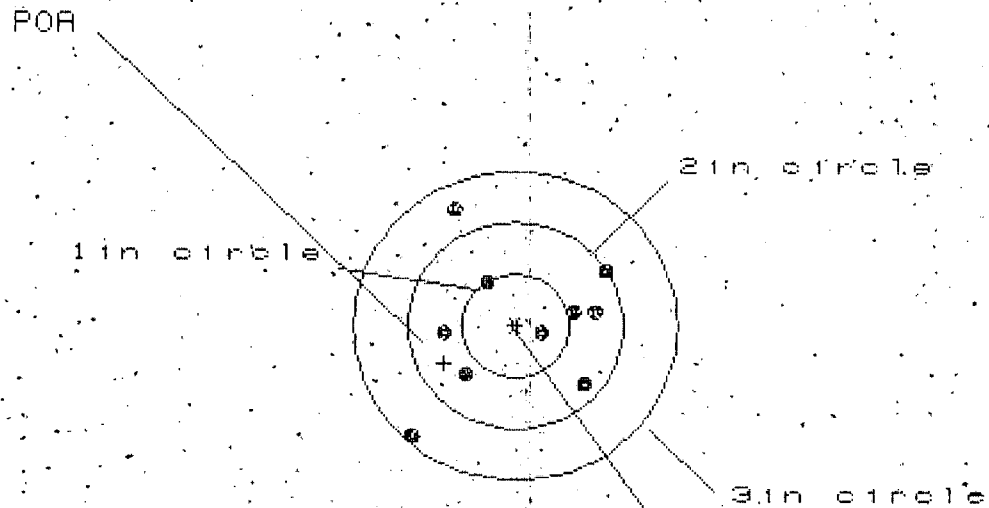
+ 3
2 5 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .5542
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0958
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .562419
THE AMR FOR THIS RIFLE IS: .846

18 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225528

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 7

3 in = 10

HS= 1.874

VS= 2.241

GS= 2.482

CENTROID *

PATTERN #

1

SHOTS (BEST OF)

10

9

8

MAXIMUM X

.883

.773

.694

MINIMUM X

-.991

-.807

-.886

MAXIMUM Y

1.128

1.004

.516

MINIMUM Y

-1.113

-.681

-.555

CENTROID X

.662

.772

.851

CENTROID Y

.367

.491

.365

POA TO CENTROID in.

.757

.915

.926

MIN RADIUS

.214

.196

.049

MEAN RADIUS

.786

.688

.596

MAX RADIUS

1.490

1.185

.891

HORIZONTAL SPREAD

1.874

1.580

1.580

VERTICAL SPREAD

2.241

1.685

1.071

EXTREME SPREAD

2.482

2.041

1.694

NUMBER IN ONE INCH CIRCLE =

2

NUMBER IN TWO INCH CIRCLE =

7

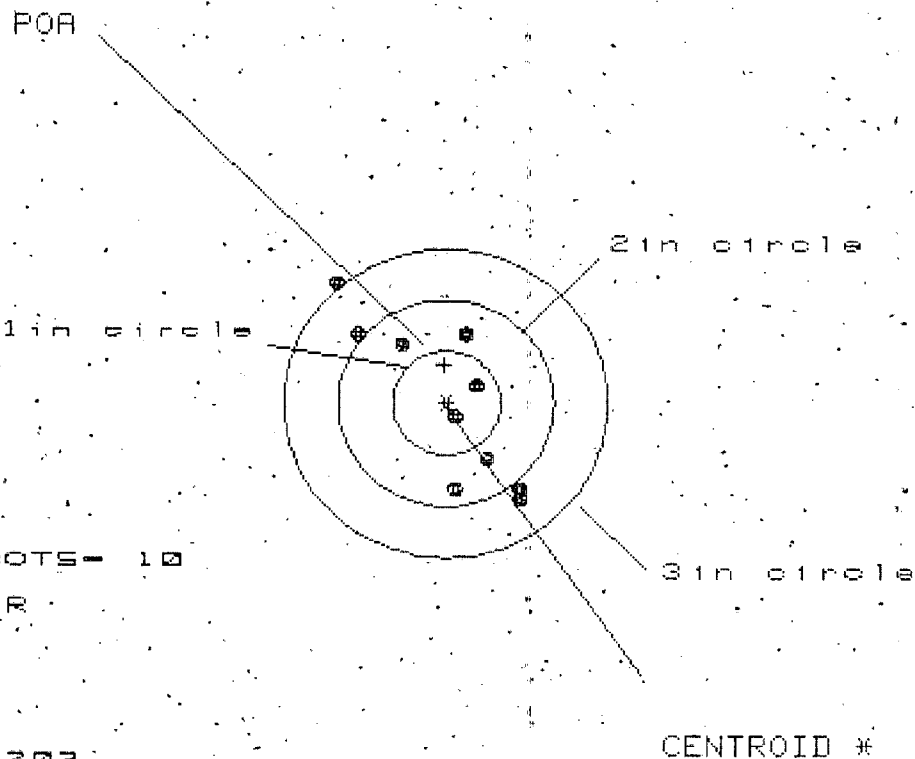
NUMBER IN THREE INCH CIRCLE =

10

18 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225528

CENTERFIRE PATTERNS # 2



OF SHOTS - 10

IN CIR

1in = 2

2in = 6

3in = 9

IS = 1.703

VS = 2.088

GS = 2.694

CENTROID *

PATTERN #	2	3	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.651	.534	.591
MINIMUM X	-1.052	-.907	-.840
MAXIMUM Y	1.179	.812	.715
MINIMUM Y	-.909	-.778	-.830
CENTROID X	.018	.135	.068
CENTROID Y	-.368	-.499	-.402
POA TO CENTROID in.	.369	.517	.408
MIN RADIUS	.202	.055	.152
MEAN RADIUS	.822	.701	.680
MAX RADIUS	1.580	1.207	1.093
HORIZONTAL SPREAD	1.703	1.441	1.431
VERTICAL SPREAD	2.088	1.590	1.545
EXTREME SPREAD	2.694	2.135	2.075
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	9		

18 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225528

CENTERFIRE PATTERNS

3

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS- 10

IN CIR

1in = 3

2in = 6

3in = 8

HS= 2.656

VS= 2.352

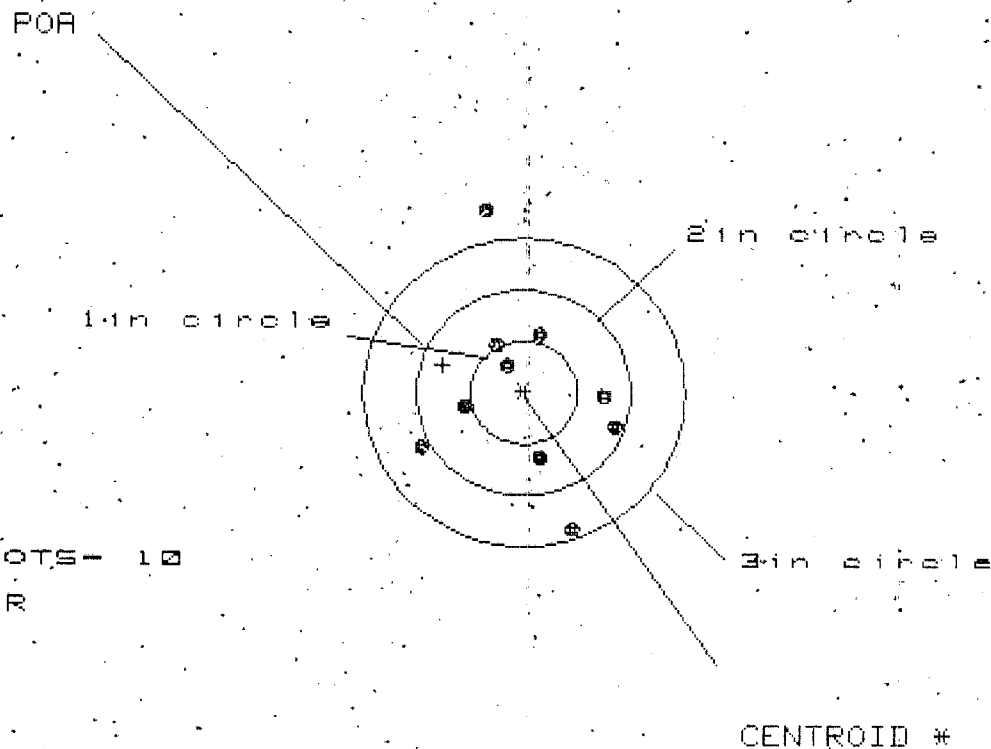
GS= 2.737

PATTERN #	3
SHOTS (BEST OF)	10
MAXIMUM X	1.146
MINIMUM X	-1.510
MAXIMUM Y	.940
MINIMUM Y	-1.412
CENTROID X	.589
CENTROID Y	.092
POA TO CENTROID in.	.596
MIN RADIUS	.127
MEAN RADIUS	.895
MAX RADIUS	1.553
HORIZONTAL SPREAD	2.656
VERTICAL SPREAD	2.352
EXTREME SPREAD	2.737
NUMBER IN ONE INCH CIRCLE	3
NUMBER IN TWO INCH CIRCLE	6
NUMBER IN THREE INCH CIRCLE	8

18 May 1989

FILE: /PATTERNING/CENTERFIRE_PATT/C6225528

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 7

3 in = 9

HS= 1.738

VS= 3.067

GS= 3.172

PATTERN #	4		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.805	.763	.812
MINIMUM X	-.933	-.975	-.926
MAXIMUM Y	1.736	.784	.641
MINIMUM Y	-1.331	-1.138	-.588
CENTROID X	.753	.795	.746
CENTROID Y	-.270	-.463	-.320
POA TO CENTROID, in.	.800	.920	.812
MIN RADIUS	.317	.464	.357
MEAN RADIUS	.861	.763	.683
MAX RADIUS	1.776	1.204	1.049
HORIZONTAL SPREAD	1.738	1.738	1.738
VERTICAL SPREAD	3.067	1.922	1.229
EXTREME SPREAD	3.172	1.942	1.776
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		9	

18 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225528

CENTERFIRE PATTERNS

5

POA

1 in circle

2 in circle

3 in circle

CENTROID #

OF SHOTS- 10

IN CIR

1 in 3

2 in 5

3 in 10

HS= 2.532

VS= 1.974

GS= 2.586

PATTERN #

5

SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.193	1.243	1.082
MINIMUM X	-1.339	-1.289	-1.354
MAXIMUM Y	1.363	.408	.396
MINIMUM Y	-.611	-.460	-.472
CENTROID X	.749	.699	.860
CENTROID Y	-.300	-.451	-.439
POA TO CENTROID in.	.806	.832	.965
MIN RADIUS	.270	.201	.289
MEAN RADIUS	.866	.788	.715
MAX RADIUS	1.435	1.326	1.410
HORIZONTAL SPREAD	2.532	2.532	2.436
VERTICAL SPREAD	1.974	.868	.868
EXTREME SPREAD	2.586	2.586	2.586
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		10	

Remington
REG. U.S. PAT. & TM. OFF.

Remington
REG. U.S. PAT. & TM. OFF.

MODEL 700™ M24

SERIAL NO. C6225528

ORDER NO. 5716

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

01

UPC

0 47700 25716 7

5716 C6225528