

C6611521

MODEL 700™ N24

Model SWS™

Action

Barrel Length

Capacity

Order No. 5715

*Includes 1 in chamber.



04/20/09 15:34:43

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: RE00166678

Serial: C6611521 Model: M24 SWS Center Fire
Caliber: 7.62 NATO

Repairman:

Verify Repair

Status:

Closed 4/20/2009 2:49:17 PM

Address Information

Customer:

Received From:

Return To:

Received From:

Name: DIRECTOR OF EMERGENCY SERVICES

DIRECTOR OF EMERGENCY SERVICES

Address 1: BLDG 53

BLDG 53

Address 2: ANNISTON ARMY DEPOT

PO Box:

ANNISTON ARMY DEPOT

PO Box:

City: ANNISTON

ANNISTON

State: AL

Zip Code: 35201

Country: US

State: AL

Zip Code: 35201

Country: US

FPL:

Contact / Condition	Problems	Estimate	History / Status	Shipping / Billing
				Current Status
Date	Code	User ID	Desc1	
4/20/2009 2:46:28 PM	New	valentds	Repair Added	Closed
4/20/2009 2:49:17 PM	Closed	valentds	Closed at Expedite	4/20/2009 2:49:17 PM
				valentds
				Sniper Systems
				Repair Location
				ILN
				Current Location
				ILN
				Transfer Number

Repair Search

Refresh

Close

naglej

4/20/2009

3:34 PM

CAPE

NUM

ILN

SCPL



Serial Number:

C6611521

Model: M24 SWS



RE00166678

M-24
INSPECTION CHECKLIST - REPAIRS
CONTRACT #: W52H09-07-C-0207
ISSUED 10/1/2007

R & E NUMBER <u>166678</u>			
SERIAL NUMBER <u>C6611521</u>			
LOG-IN DATE <u>4-20-09</u>			

OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	4-24-09	RTZ
505	RE-BARREL	4-28-09	RTZ
420	ASSEMBLE	4-28-09	RTZ
440	PROOF	4-28-09	TAR
460	CHECK HEADSPACE	4-28-09	TAR
470	DIS-ASSEMBLE GUN	4-28-09	RTZ
480	MAGNAFLUX	5/6/09	(RTZ)
510	DRILL AND TAP	5-28-09	SP
500	ROLLMARK CALIBER	5-7/09	RT
520	GOFF BLAST BBL / REC	5/7/09	RTZ
530 & 540	APPLY COATINGS	5-8	
560	FINAL ASSEMBLY	5-11-09	RTZ
640	FUNCTION TEST AND	PASS	FAIL
650	TARGET	PASS	FAIL
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION		
	A) HEADSPACE	PASS	FAIL
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS 265 259 257 263 257 5-13-09 RTZ	
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS MAX 40 40 40 5-13-09 RTZ	
	G) SAFETY OFF FORCE	2 LBS MIN 50 50 50 5-13-09 RTZ	
	I) FIRING PIN INDENT	.020 .023 .023 .023 5-13-09 RTZ	
690	PACK	5/15/09	FM

F006 REV 1/2009

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6611521.___0
FILE DATE AND TIME: 05/12/2009 12:56

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.077
The Average Y Centroid of the Five Target Set:	0.012
The Average Point of Impact of the Five Target Set:	0.078
The Average Mean Radius of the Five Target Set:	0.741
The Distance from POA to Centroid Target #1:	0.237
The Distance from Centroid Target #2 to Centroid Target #1:	0.327
The Distance from Centroid Target #3 to Centroid Target #1:	0.191
The Distance from Centroid Target #4 to Centroid Target #1:	0.211
The Distance from Centroid Target #5 to Centroid Target #1:	0.496

SERIAL NUMBER: C6611521. __0

TARGET NUMBER: 1

FILE DATE: 05/12/2009

FILE TIME: 12:56

POINT#	X	Y
1:	-0.308	1.828
2:	-0.577	0.798
3:	0.083	0.717
4:	-0.282	0.036
5:	0.137	-0.248
6:	-0.076	-0.626
7:	0.695	-0.755
8:	0.104	-1.246
9:	0.029	-1.689
10:	-0.526	-1.074

X CENTROID: -0.072

Y CENTROID: -0.226

POA TO CENTROID: 0.237

HORZ SPREAD: 1.272

VERT SPREAD: 3.517

GROUP SPREAD: 3.533

MIN RADIUS: 0.210

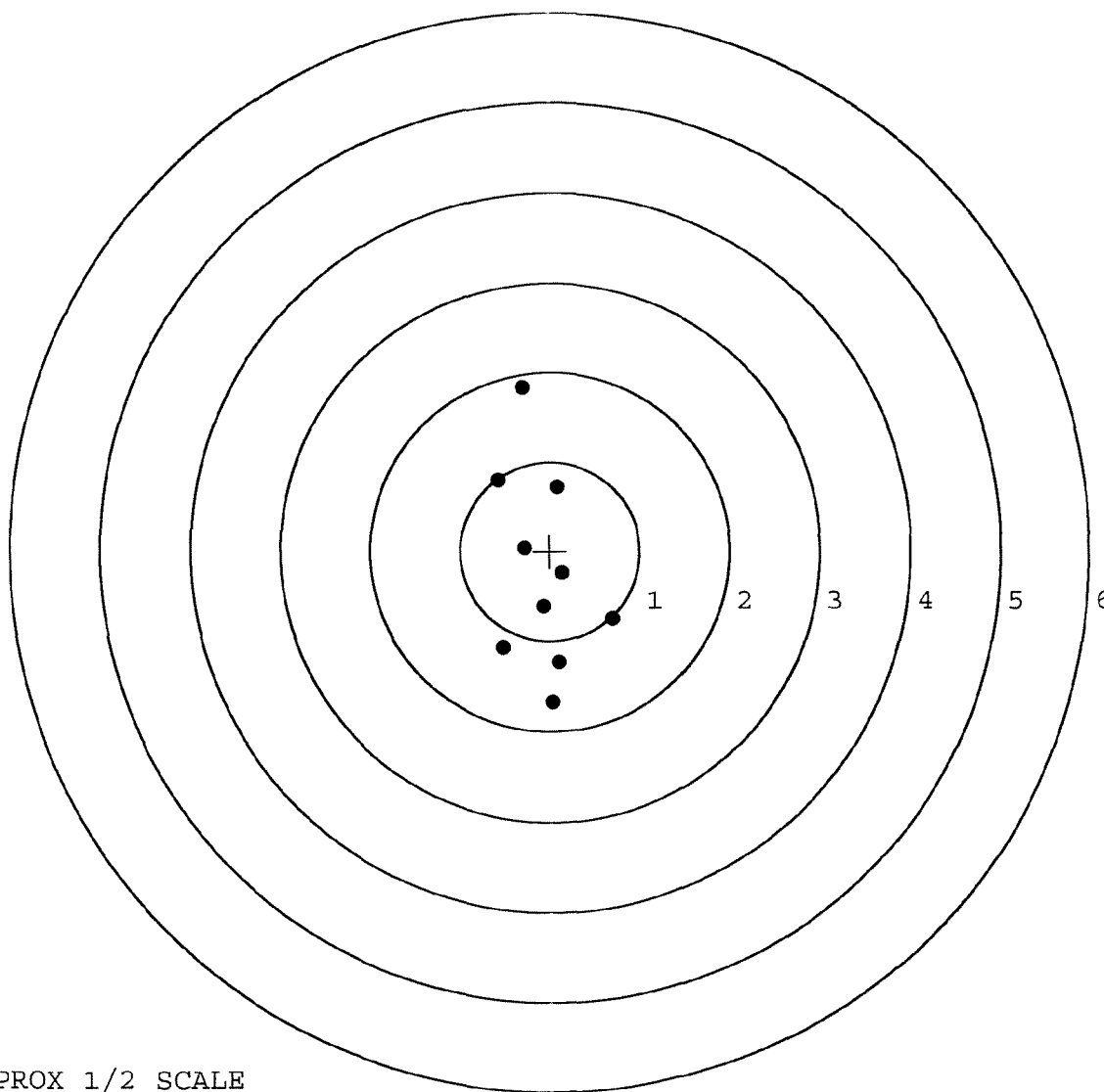
MAX RADIUS: 2.067

MEAN RADIUS: 0.951

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611521.___0

TARGET NUMBER: 2

FILE DATE: 05/12/2009

FILE TIME: 12:56

POINT#	X	Y
1:	0.498	1.167
2:	-0.418	0.814
3:	0.059	0.582
4:	-0.200	0.281
5:	0.388	0.268
6:	-0.009	-0.032
7:	0.045	-0.518
8:	-0.016	-0.878
9:	-0.440	-0.439
10:	-0.305	-0.251

X CENTROID: -0.040

Y CENTROID: 0.099

POA TO CENTROID: 0.107

HORZ SPREAD: 0.938

VERT SPREAD: 2.045

GROUP SPREAD: 2.109

MIN RADIUS: 0.135

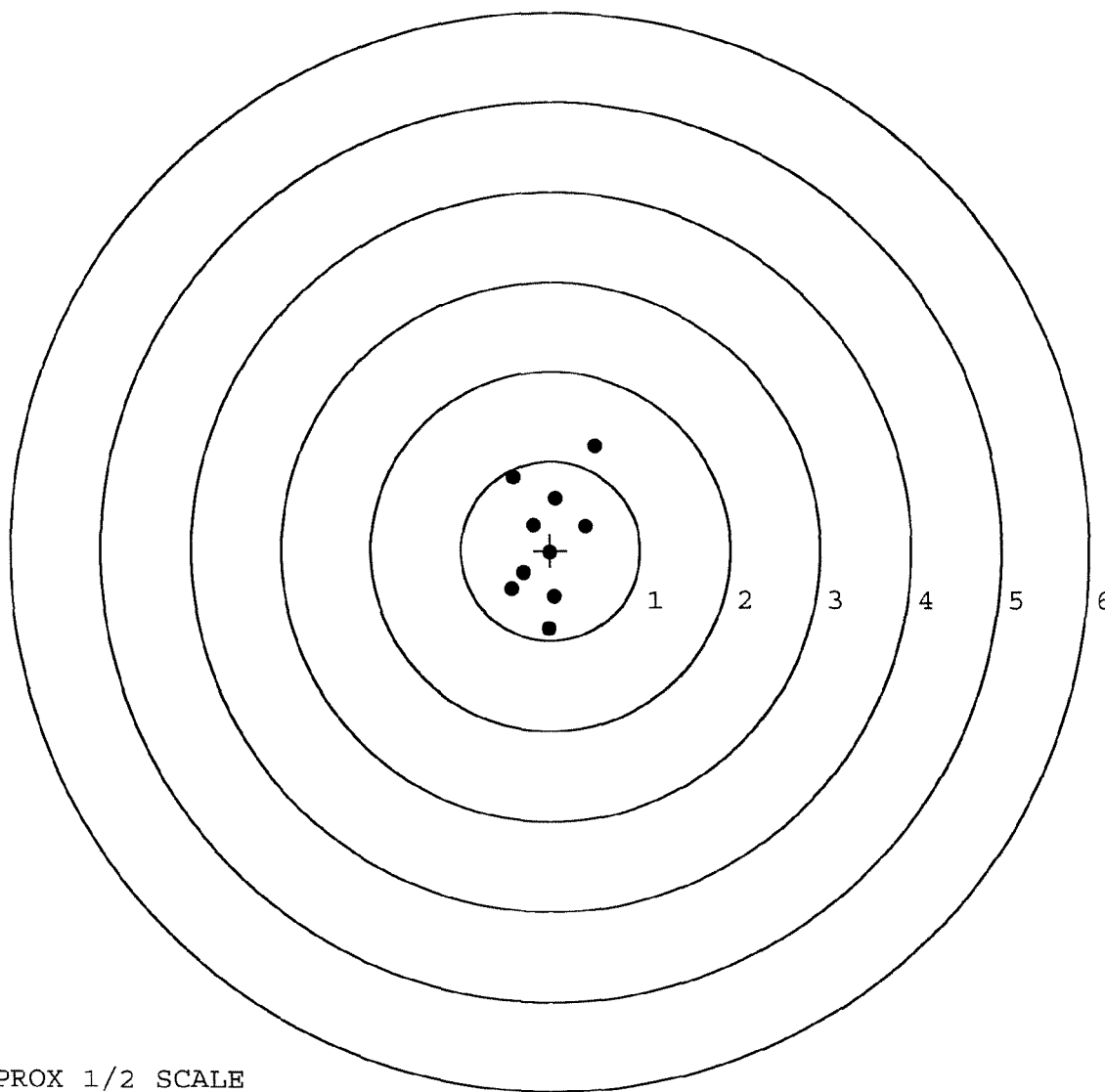
MAX RADIUS: 1.195

MEAN RADIUS: 0.604

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

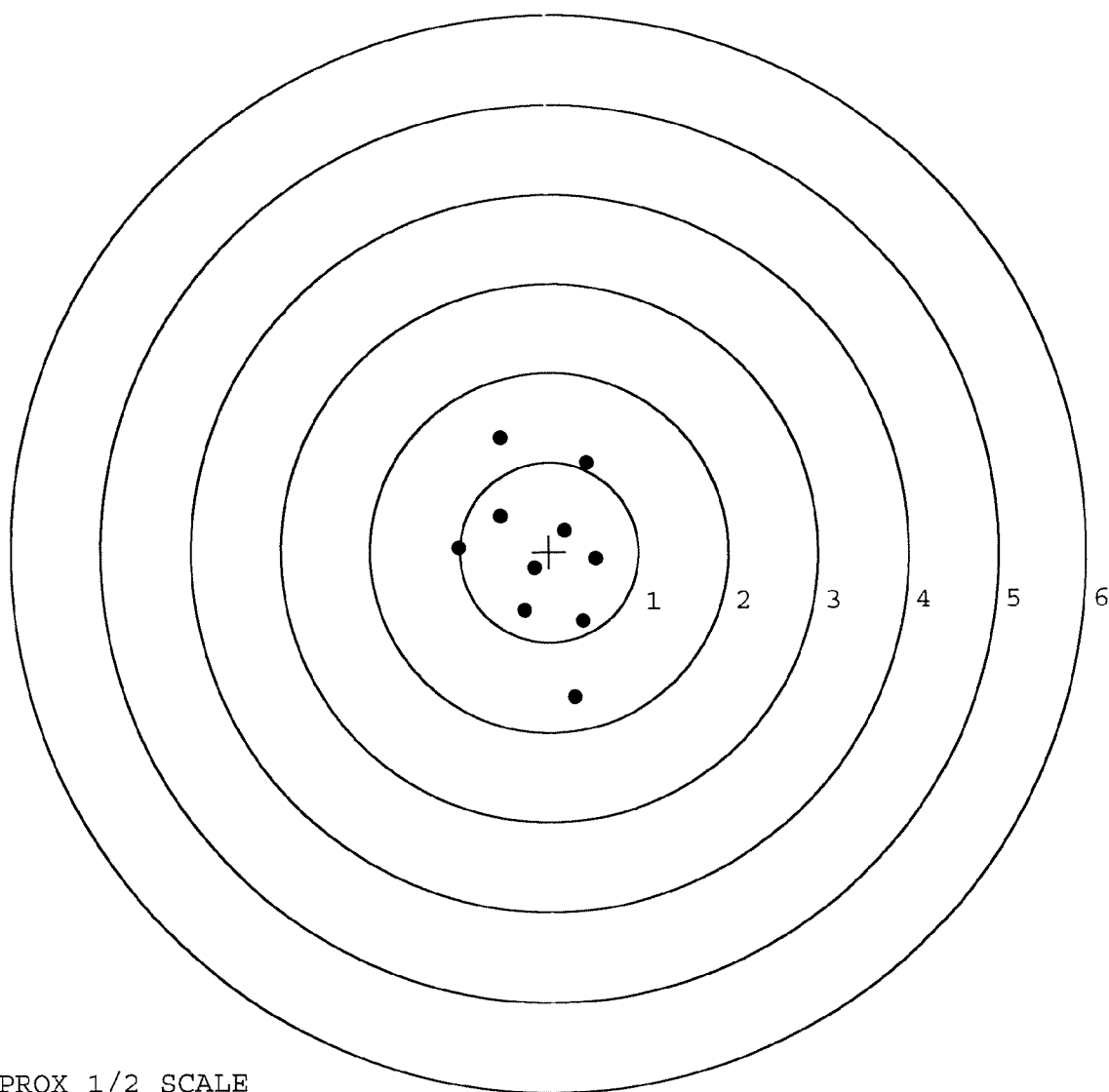


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611521. __0
TARGET NUMBER: 3
FILE DATE: 05/12/2009
FILE TIME: 12:56

POINT#	X	Y
1:	-0.534	1.274
2:	0.427	0.989
3:	-0.540	0.405
4:	0.180	0.238
5:	0.526	-0.085
6:	-0.173	-0.184
7:	-1.007	0.053
8:	-0.282	-0.651
9:	0.375	-0.773
10:	0.275	-1.617

X CENTROID: -0.075
Y CENTROID: -0.035
POA TO CENTROID: 0.083
HORZ SPREAD: 1.533
VERT SPREAD: 2.891
GROUP SPREAD: 3.002
MIN RADIUS: 0.178
MAX RADIUS: 1.620
MEAN RADIUS: 0.839
IN 1 IN DIAMETER: 2
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611521. __0

TARGET NUMBER: 4

FILE DATE: 05/12/2009

FILE TIME: 12:56

POINT#	X	Y
1:	-0.444	1.057
2:	-0.376	0.742
3:	-0.112	0.068
4:	0.104	-0.216
5:	-0.387	-0.418
6:	-0.150	-0.599
7:	0.403	-0.699
8:	-0.419	-1.200
9:	-0.110	0.052
10:	-0.320	0.756

X CENTROID: -0.181

Y CENTROID: -0.046

POA TO CENTROID: 0.187

HORZ SPREAD: 0.847

VERT SPREAD: 2.257

GROUP SPREAD: 2.257

MIN RADIUS: 0.121

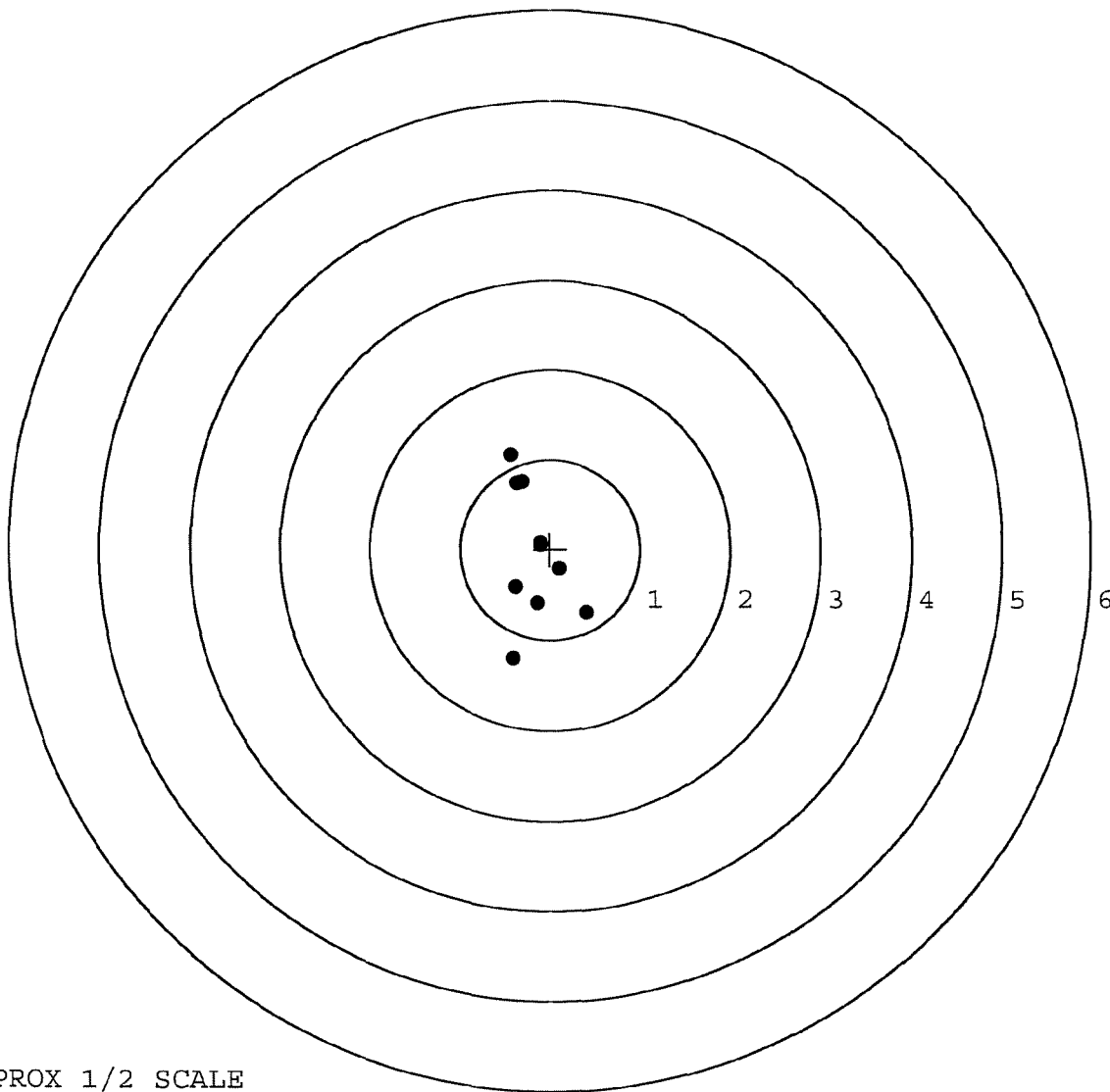
MAX RADIUS: 1.179

MEAN RADIUS: 0.638

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6611521. __0

TARGET NUMBER: 5

FILE DATE: 05/12/2009

FILE TIME: 12:56

X CENTROID: -0.018

Y CENTROID: 0.267

POA TO CENTROID: 0.268

HORZ SPREAD: 1.395

VERT SPREAD: 2.457

GROUP SPREAD: 2.559

MIN RADIUS: 0.250

MAX RADIUS: 1.538

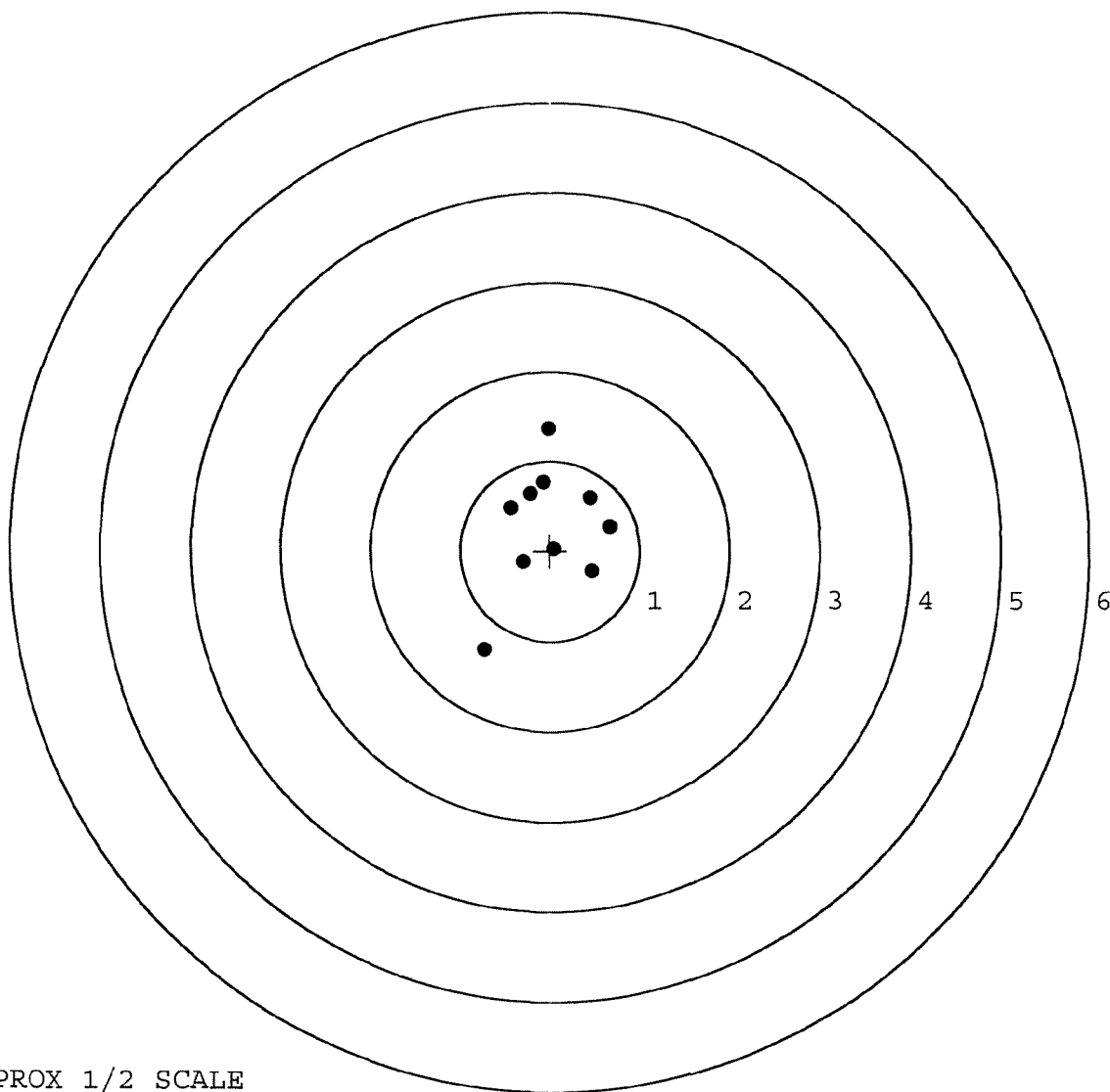
MEAN RADIUS: 0.671

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	-0.018	1.363
2:	0.448	0.591
3:	0.661	0.270
4:	0.469	-0.233
5:	0.044	0.025
6:	-0.302	-0.130
7:	-0.734	-1.094
8:	-0.444	0.477
9:	-0.223	0.639
10:	-0.078	0.762



TARGET APPROX 1/2 SCALE

Remington®



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

MODEL 700™ H24

SERIAL NO.

C6611521

ORDER NO.

5716

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

46



5716 C6611521

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C 6611521

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	QUALITY AUDIT	3/12/91	K.S.
600	Proof		3/12/91	K.S.
607	Check Headspace		3/12/91	K.S.
610	Dis-assemble Gun		3/12/91	K.S.
612	Magnaflux Barrel Action		3/27/91	KR
	Magnaflux Bolt		11	KR
615	Rollmark Caliber		3/27/91	L.S.
617	Drill and Tap Sight Holes		APR 3 1991	LB
618	Polish Barrel		APR 3 1991	WB
620	Apply Coatings (Barrel Action)		4-12-91	TH
	Apply Coating (Bolt)			
625	Final Assembly		4/30/91	KS
	A) Clean inside of Bolt Assembly		4/30/91	KS
	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		5/3/91	TH

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			5/4/91	QJ
	G) Safety Off Force	3	3	3			5/4/91	QJ
	H) Trigger Pull Test & Retainability						5/3/91	QJ
	I) Firing Pin Indent	.0215	.0215	.0215			5/4/91	QJ
	J) Assemble Stock						5/7/91	KS
	K) Assemble Swivel Studs						5-9-91	AC
	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						5-8-91	DH
	A) Time						5-8-91	DH
	B) Malfunctions						5-8-91	DH
	C) Pierced Primers						5-8-91	DH
	D) Optical Clarity of Scope						5-8-91	DH
645	Inspect for Live Ammo						5-8-91	DH
655	Final Inspection							
	A) Headspace						5-9-91	AC
	B) Trigger Pull	2.15	2.13	2.15	2.17	2.18	5/9/91	QJ
	C) Function						5-9-91	K
660	Pack						6-17-91	N

SWS TRIGGER PULL TEST

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

SERIAL NO. C661152-1

DATE 5-3-91

TESTER J28

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.44	2.16	2.25	2.15	MIN. SETTING,
PULL #2	2.22	2.15	2.18	2.13	NO AVG. OF 5
PULL #3	2.32	2.16	2.20	2.15	READINGS ACCEPT-
PULL #4	2.23	2.18	2.22	2.17	ABLE LESS THAN 2#
PULL #5	2.31	2.23	2.26	2.18	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES			COMMENTS
PULL #1	3.52	3.47			Test failed
PULL #2	3.43	3.56			Time
PULL #3	3.46	3.52			8) Malfunction
PULL #4	3.45	3.47			9) 10) 11) 12) 13) 14) 15) 16) 17) 18) 19) 20)
PULL #5	3.48	3.53			Optical
TOTAL					Inspected for five
AVG.					Final inspection

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.22	4.31		4.19
PULL #2	4.29	4.53		4.47
PULL #3	4.53	4.27		4.45
PULL #4	4.22	4.38		4.46
PULL #5	4.33	4.44		4.26
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6611521
8 May 1991

CENTROIDAL DISTANCES

0 TO	1	.265415
1 TO	2	.150013
1 TO	3	.56927
1 TO	4	.499544
1 TO	5	.327905

42 <----POA

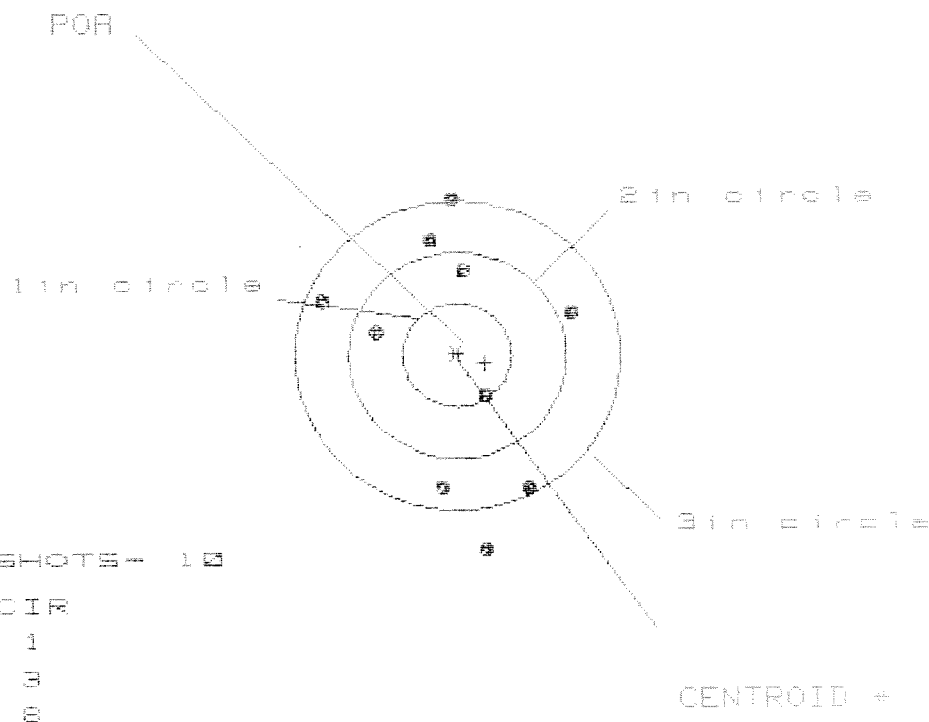
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: 1.043
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: 1.043
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: 1.043

THE AMR FOR THIS RIFLE IS: 1.043

8 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/G8B11521

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 1

2in = 3

3in = 6

HS= 2.292

VS= 3.397

GS= 3.414

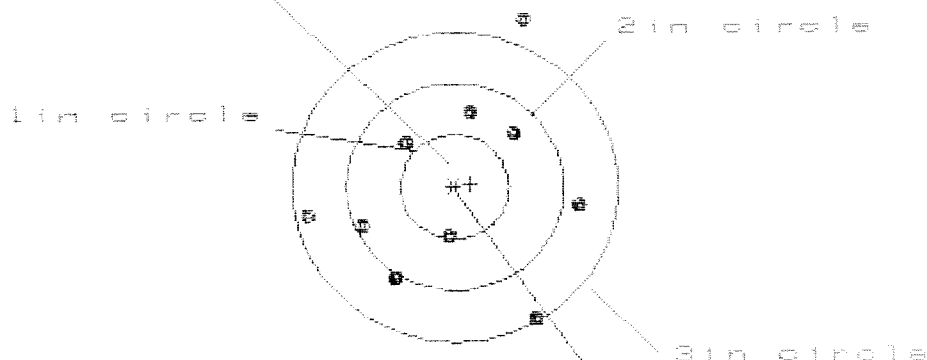
PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.039	1.072	1.071
MINIMUM X	-1.254	-1.221	-1.222
MAXIMUM Y	1.555	1.350	1.474
MINIMUM Y	-1.842	-1.434	-1.382
CENTROID X	-.254	-.287	-.316
CENTROID Y	.077	.282	.111
POA TO CENTROID in.	.266	.402	.341
MIN RADIUS	.454	.647	.511
MEAN RADIUS	1.176	1.076	.948
MAX RADIUS	1.866	1.591	1.711
HORIZONTAL SPREAD	2.293	2.293	2.293
VERTICAL SPREAD	3.397	2.784	2.784
EXTREME SPREAD	3.414	2.870	2.870
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	3		
NUMBER IN THREE INCH CIRCLE =	6		

8 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611521

CENTERFIRE PATTERNS # 2

POA



OF SHOTS= 10

IN CIR

1in = 1

2in = 5

3in = 9

HS= 2.500

VS= 2.906

GS= 2.909

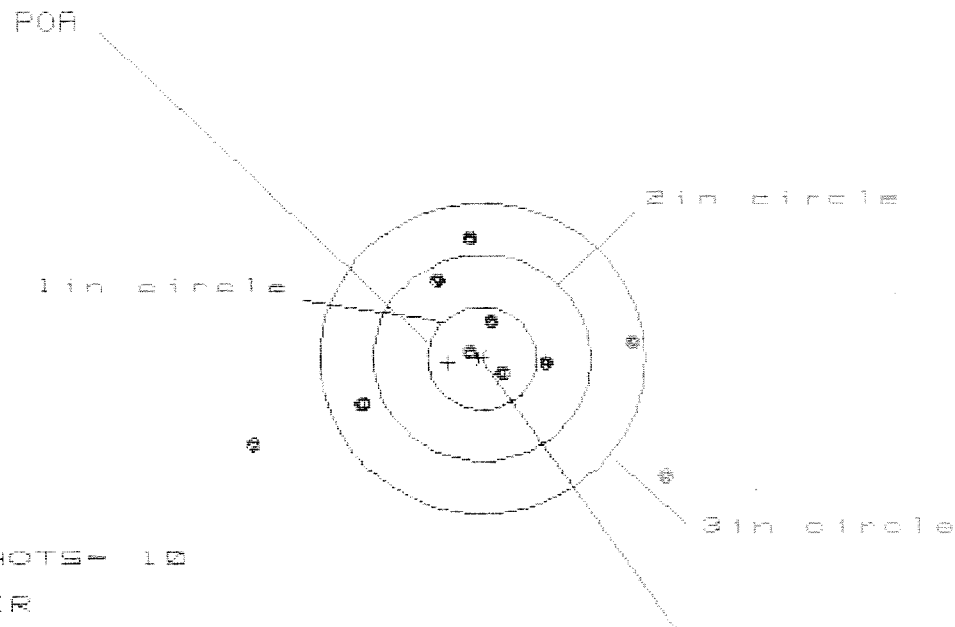
CENTROID *

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.171	1.238	1.338
MINIMUM X	:	-1.337	-1.270	-1.170
MAXIMUM Y	:	1.671	.900	.769
MINIMUM Y	:	-1.235	-1.050	-.838
CENTROID X	:	-.144	-.210	-.210
CENTROID Y	:	-.025	-.210	-.077
POA TO CENTROID in.	:	.146	.297	.320
MIN RADIUS	:	.450	.255	.339
MEAN RADIUS	:	1.025	.922	.860
MAX RADIUS	:	1.776	1.316	1.343
HORIZONTAL SPREAD	:	2.508	2.508	2.508
VERTICAL SPREAD	:	2.906	1.950	1.607
EXTREME SPREAD	:	2.909	2.510	2.510
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

8 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8611521

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 3

2in = 5

3in = 8

HS= 2.736

VS= 2.323

GS= 3.750

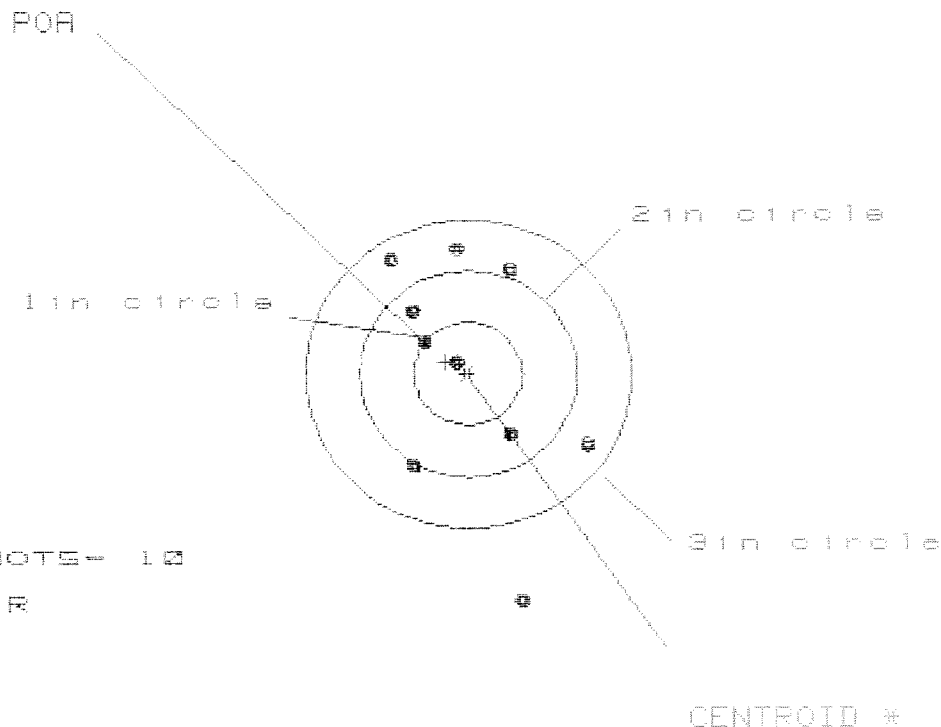
CENTROID +

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.645	1.413	1.377
MINIMUM X	:	-2.091	-1.345	-1.168
MAXIMUM Y	:	1.208	1.120	.969
MINIMUM Y	:	-1.115	-1.203	-.725
CENTROID X	:	.314	.546	.069
CENTROID Y	:	.039	.126	.277
POA TO CENTROID in.	:	.316	.560	.401
MIN RADIUS	:	.110	.193	.172
MEAN RADIUS	:	1.021	.873	.721
MAX RADIUS	:	2.235	1.856	1.378
HORIZONTAL SPREAD	:	3.736	2.758	2.545
VERTICAL SPREAD	:	2.323	2.323	1.694
EXTREME SPREAD	:	3.750	2.926	2.630
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

8 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8611521

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in = 1

2in = 4

3in = 5

HS= 1.844

VS= 3.377

GS= 3.478

PATTERN #	1	4	9
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.116	1.169	1.034
MINIMUM X	-.728	-.675	-.568
MAXIMUM Y	1.198	.956	1.060
MINIMUM Y	-2.179	-1.143	-1.039
CENTROID X	.208	.155	.240
CENTROID Y	-.113	.129	.025
POA TO CENTROID in.	.237	.202	.241
MIN RADIUS	.121	.140	.162
MEAN RADIUS	1.018	.835	.814
MAX RADIUS	2.230	1.478	1.345
HORIZONTAL SPREAD	1.844	1.844	1.644
VERTICAL SPREAD	3.377	2.099	2.099
EXTREME SPREAD	3.478	2.535	2.255
NUMBER IN ONE INCH CIRCLE	=	1	
NUMBER IN TWO INCH CIRCLE	=	4	
NUMBER IN THREE INCH CIRCLE	=	9	

B May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611521

CENTERFIRE PATTERNS # 5

POA

1in circle

2in circle

3in circle

OF SHOTS - 10

IN CIR

1in = 1

2in = 7

3in = 8

HS = 3.170

VS = 2.333

GS = 3.793

CENTROID #

PATTERN #	5	5	5
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.529	1.329	1.145
MINIMUM X	-1.641	-1.471	-1.280
MAXIMUM Y	.911	.753	.816
MINIMUM Y	-1.422	-.782	-.719
CENTROID X	-.003	-.173	.011
CENTROID Y	-.134	.024	-.039
POA TO CENTROID in.	.134	.175	.041
MIN RADIUS	.035	.261	.130
MEAN RADIUS	.973	.851	.747
MAX RADIUS	2.088	1.555	1.156
HORIZONTAL SPREAD	3.170	2.800	2.025
VERTICAL SPREAD	2.333	1.535	1.535
EXTREME SPREAD	3.793	2.930	2.029
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	8		