

C6498742

M2400006894

MODEL 700™ M24

Model **SWS**™

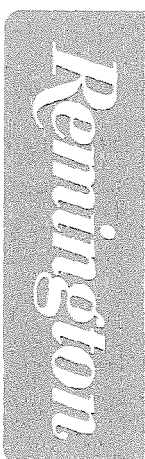
Action

Barrel Length

Capacity

Order No. **5716**

* Includes 1 in chamber.



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: **RE00102773** Serial: C6498742 Model: M24 SWS Center Fire Caliber: 7.62 NATO Repairman: Status: Closed 10/28/2005 7:46:52 AM

Verify Repair

Address Information

Customer: Received From: Return To: Received From:

Name: **PR W7LZ CAMP SHELBY DET 57** **PR W7LZ CAMP SHELBY DET 57**

Address 1: **OEF TRAINING BDE ROTATION** **OEF TRAINING BDE ROTATION**

Address 2: **BLDG 6520 WAREHOUSE AVE** **BLDG 6520 WAREHOUSE AVE** PO Box: **CAMP SHELBY**

City: **CAMP SHELBY** **CAMP SHELBY**

State: **MS** Zip Code: **39407** Country: **US** State: **MS** Zip Code: **39407** Country: **US**

FFL: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Contact / Condition Problems Estimate History / Status Shipping / Billing

Contact Information

Phone: **601 559 4593**

Fax:

Email:

Comments:

Received Condition

Fair

Condition Notes:

CSR Notes:

Accessories Received

Code	Desc	Qty
A036	Sling Strap	1
A010	Hard Case	1
A016	Scope Rings	2
A017	Scope Base	1
A026	Scope	1
A045	Bi Pod	1
C090	TORQUE WRENCH	1
C091	SPOTTING SCOPE	1

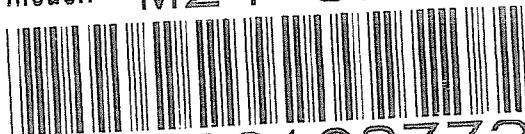
Repair Search Refresh Close

negletj 10/25/2005 9:34 AM CAPS NUM INS ECRL

start 2 2 3 Arms S

Serial Number: **C6498742**

Model: **M24 SWS**



RE00102773

62000

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6498742.___0
FILE DATE AND TIME: 11/18/2005 22:46

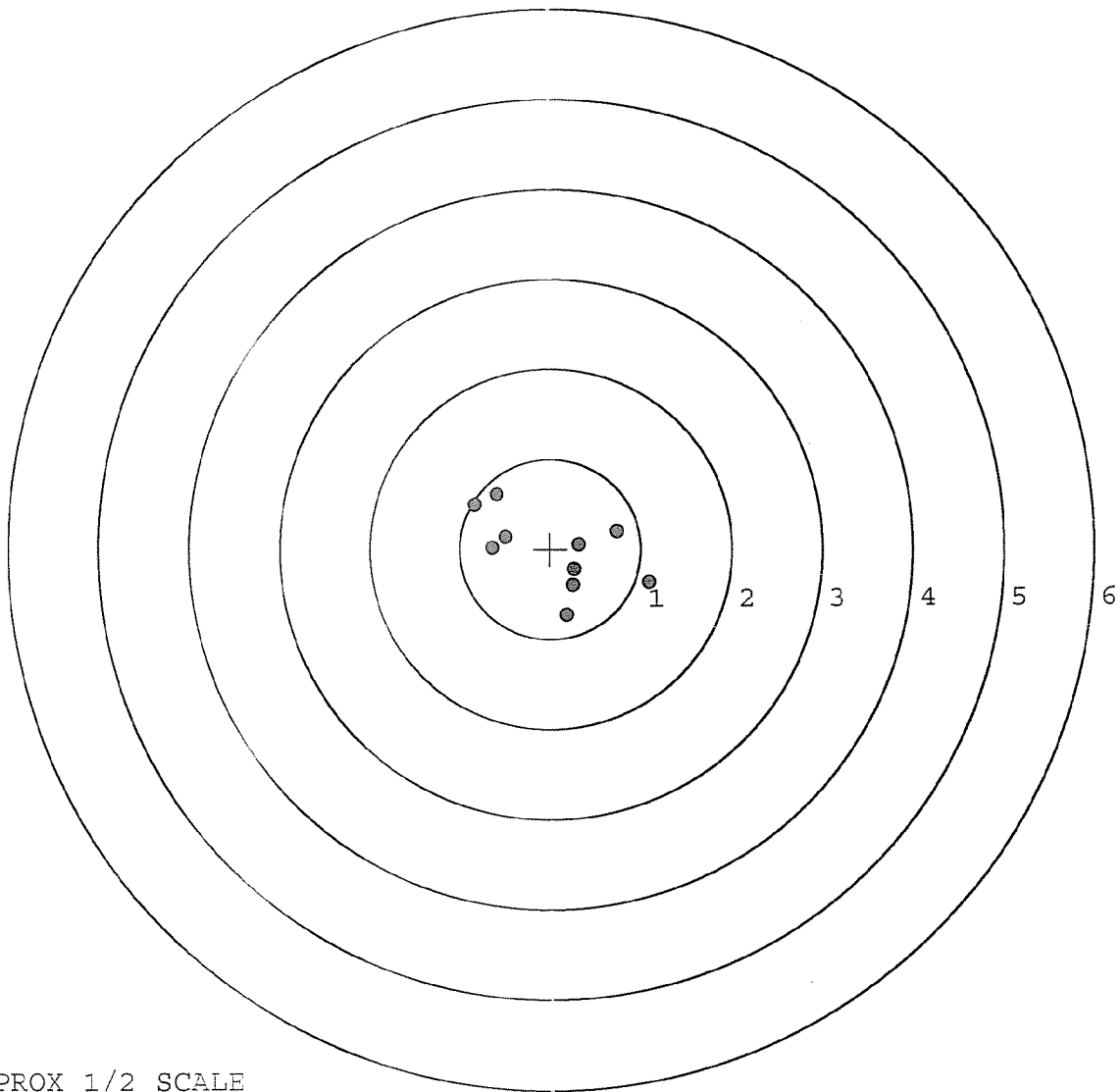
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.067
The Average Y Centroid of the Five Target Set:	-0.032
The Average Point of Impact of the Five Target Set:	0.075
The Average Mean Radius of the Five Target Set:	0.645
The Distance from POA to Centroid Target #1:	0.037
The Distance from Centroid Target #2 to Centroid Target #1:	0.048
The Distance from Centroid Target #3 to Centroid Target #1:	0.096
The Distance from Centroid Target #4 to Centroid Target #1:	0.289
The Distance from Centroid Target #5 to Centroid Target #1:	0.106

SERIAL NUMBER: C6498742. __0
TARGET NUMBER: 1
FILE DATE: 11/18/2005
FILE TIME: 22:46

X CENTROID: 0.028
Y CENTROID: -0.024
POA TO CENTROID: 0.037
HORZ SPREAD: 1.927
VERT SPREAD: 1.348
GROUP SPREAD: 2.115
MIN RADIUS: 0.299
MAX RADIUS: 1.122
MEAN RADIUS: 0.675
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.641	0.018
2:	-0.494	0.134
3:	-0.834	0.496
4:	-0.590	0.613
5:	0.734	0.194
6:	0.318	0.052
7:	0.262	-0.228
8:	0.253	-0.403
9:	0.181	-0.735
10:	1.093	-0.376

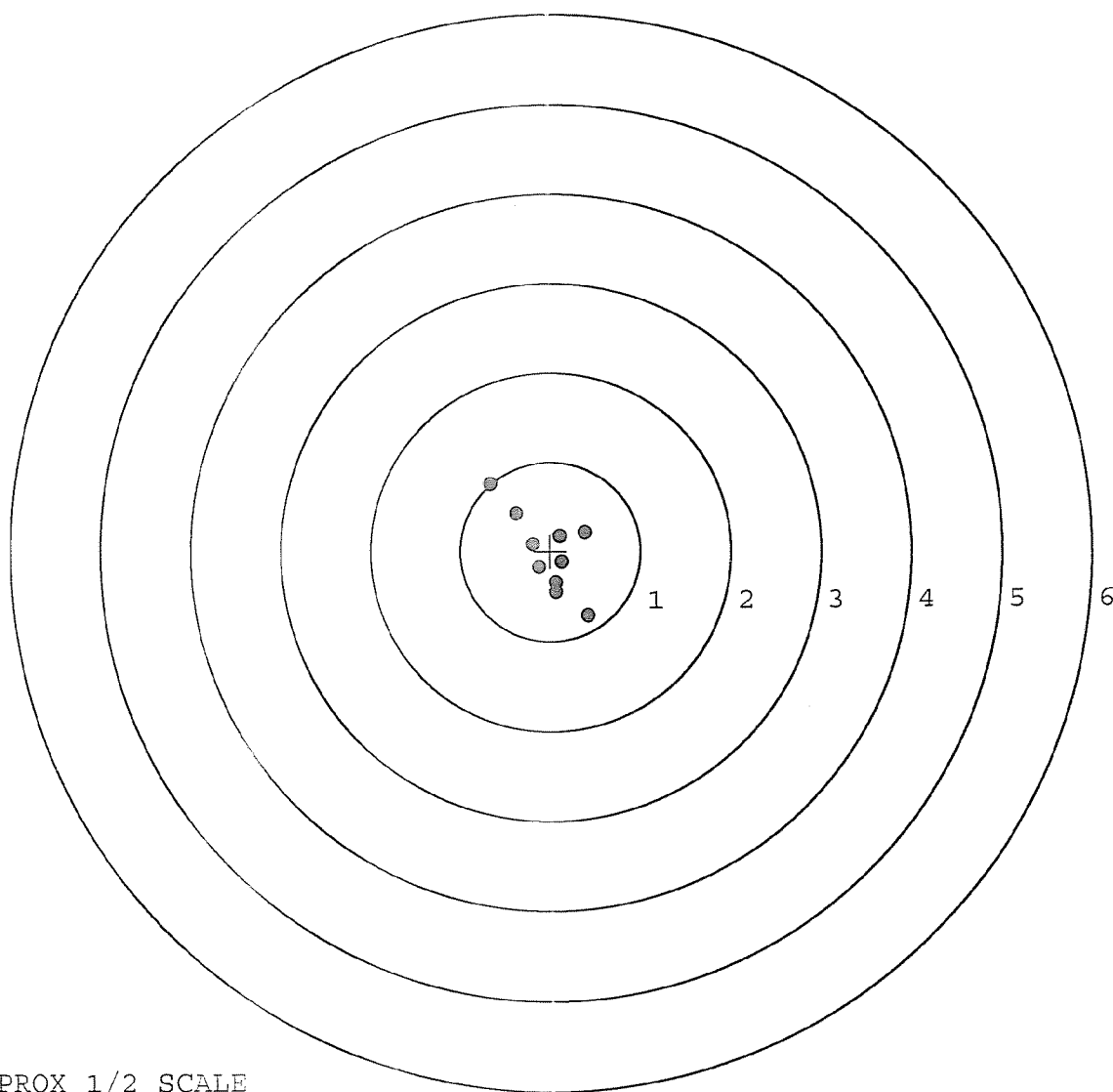


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498742. __0
TARGET NUMBER: 2
FILE DATE: 11/18/2005
FILE TIME: 22:46

X CENTROID: -0.020
Y CENTROID: -0.021
POA TO CENTROID: 0.029
HORZ SPREAD: 1.083
VERT SPREAD: 1.481
GROUP SPREAD: 1.835
MIN RADIUS: 0.184
MAX RADIUS: 1.011
MEAN RADIUS: 0.448
IN 1 IN DIAMETER: 7
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.378	0.420
2:	-0.666	0.757
3:	0.417	-0.724
4:	0.065	-0.461
5:	-0.132	-0.181
6:	-0.199	0.077
7:	0.107	0.168
8:	0.386	0.212
9:	0.133	-0.122
10:	0.066	-0.354

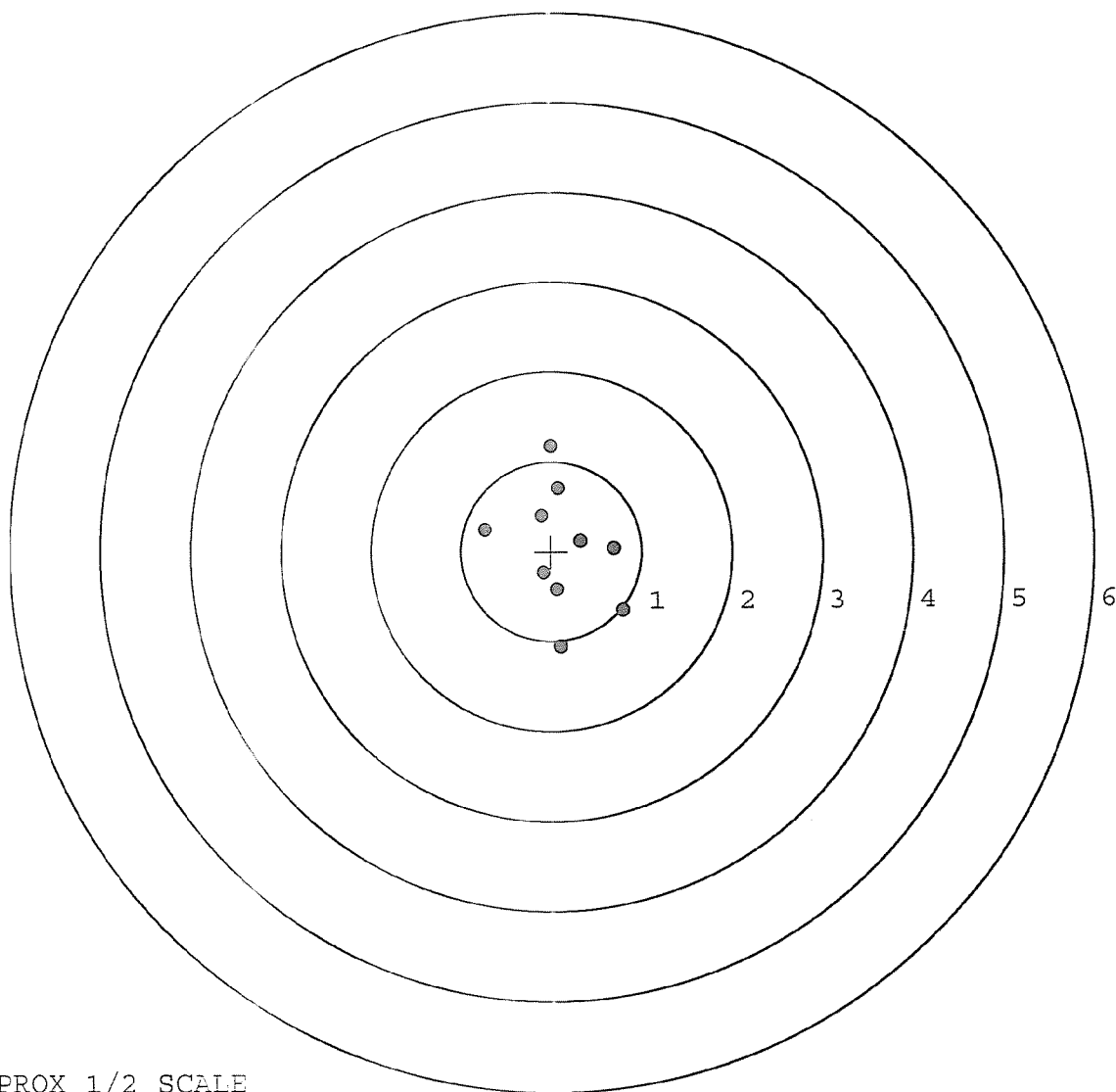


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498742. __0
 TARGET NUMBER: 3
 FILE DATE: 11/18/2005
 FILE TIME: 22:46

X CENTROID: 0.111
 Y CENTROID: 0.025
 POA TO CENTROID: 0.114
 HORZ SPREAD: 1.525
 VERT SPREAD: 2.239
 GROUP SPREAD: 2.242
 MIN RADIUS: 0.232
 MAX RADIUS: 1.150
 MEAN RADIUS: 0.680
 # IN 1 IN DIAMETER: 4
 # IN 2 IN DIAMETER: 8
 # in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.107	0.394
2:	0.079	0.703
3:	-0.003	1.170
4:	-0.737	0.242
5:	-0.092	-0.245
6:	0.064	-0.433
7:	0.325	0.114
8:	0.688	0.037
9:	0.788	-0.661
10:	0.104	-1.069

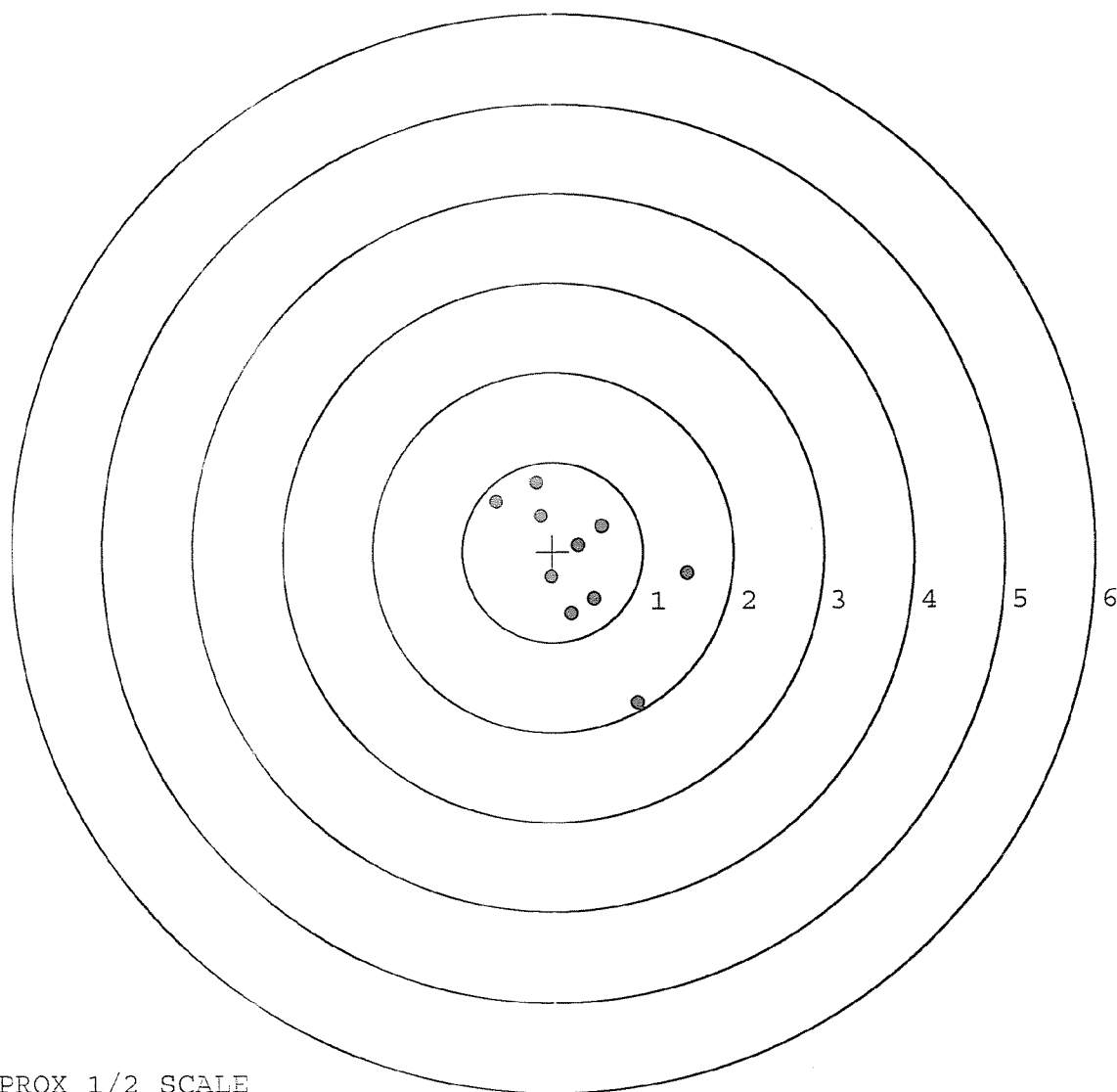


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498742. __0
TARGET NUMBER: 4
FILE DATE: 11/18/2005
FILE TIME: 22:46

X CENTROID: 0.295
Y CENTROID: -0.135
POA TO CENTROID: 0.324
HORZ SPREAD: 2.103
VERT SPREAD: 2.444
GROUP SPREAD: 2.721
MIN RADIUS: 0.204
MAX RADIUS: 1.666
MEAN RADIUS: 0.773
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 6
in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.285	0.069
2:	0.542	0.281
3:	-0.128	0.398
4:	-0.178	0.767
5:	-0.623	0.559
6:	1.480	-0.251
7:	0.457	-0.530
8:	0.202	-0.687
9:	-0.019	-0.281
10:	0.927	-1.677

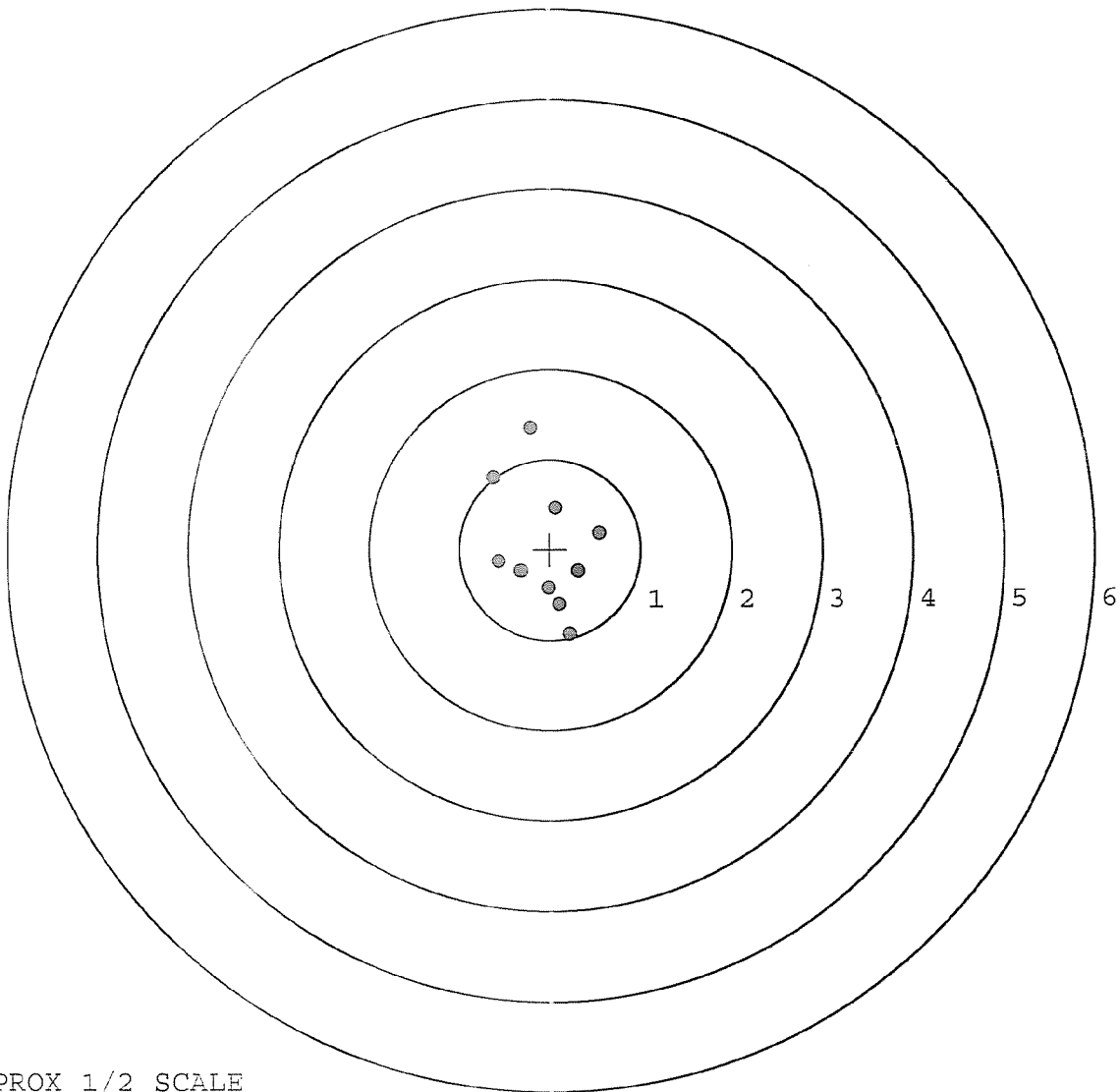


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6498742. __0
TARGET NUMBER: 5
FILE DATE: 11/18/2005
FILE TIME: 22:46

X CENTROID: -0.076
Y CENTROID: -0.004
POA TO CENTROID: 0.076
HORZ SPREAD: 1.170
VERT SPREAD: 2.290
GROUP SPREAD: 2.331
MIN RADIUS: 0.338
MAX RADIUS: 1.362
MEAN RADIUS: 0.652
IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 11

POINT#	X	Y
1:	0.064	0.465
2:	-0.626	0.802
3:	-0.219	1.350
4:	0.544	0.181
5:	0.307	-0.246
6:	0.106	-0.607
7:	-0.015	-0.432
8:	-0.315	-0.244
9:	-0.330	-0.241
10:	-0.572	-0.136
11:	0.216	-0.940



TARGET APPROX 1/2 SCALE

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

R & E NUMBER	102773		CAMP SHELBY	
SERIAL NUMBER	06498742			
LOG-IN DATE	10-26-05			
OPERATION #	OPERATION NAME		DATE	INITIAL
500	DIS-ASSEMBLE GUN		11-3-05	AC
505	RE-BARREL		11-7-05	AC
560	ASSEMBLE		11-14-05	CD
600	PROOF	MAGNA-FLUX	11-14-05	CD
605	CHECK HEADSPACE	INSPECTED	11-14-05	CD
610	DIS-ASSEMBLE GUN	NOV 15 2005	11-14-05	CD
612	MAGNAFLUX	OPERATOR <u>unus</u>	11/15/05	unus
510	DRILL AND TAP		11-11-05	BR
615	ROLLMARK CALIBER		11-15-05	CW
618	ROTO-BLAST		11-16-05	LB
620	APPLY COATINGS		11/16/05	HP
625	FINAL ASSEMBLY		11-17-05	Bh
640	FUNCTION TEST AND	PASS FAIL	11-18-05	mjm
650	TARGET	PASS FAIL	11-18-05	mjm
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
670	FINAL INSPECTION		11-21-05	AC
	A) HEADSPACE	PASS FAIL	11-21-05	AC
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS		
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS	4 lbs 4 lbs 4 lbs	AC
	G) SAFETY OFF FORCE	2 LBS	2 lbs 2 lbs 2 lbs	AC
	I) FIRING PIN INDENT	.020	.024 .024 .024	AC
690	PACK		12-2-05	RA

MOD. 7005WS GA. 308 GUN # C6495742

# TEST	DATE	MALFUNCTION/DEFECT	ASSEM. #
	1st	Please check spent cases, they are showing signs of Bulging and are hard to extract.	BR RW
	2nd		
	3rd		
	4th		
		FUNCTION	RD 6654 Rev 1

TEST INIT. ACTION TO CORRECT		ASSEM. #
PROOF	Polish Ham Chamber OK	9
TEST		12
TGT		96 RW
PROOF		
TEST		
TGT		
PROOF	ENGINEER	
TEST		
TGT		
PROOF	ENGINEER	
TEST		
TGT		

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6498742

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	8 2	90	RW
600	Proof	8 2	90	RW
607	Check Headspace	8 2	90	RW
610	Dis-assemble Gun	8 2	90	RW
612	Magnaflux Barrel Action		8/7/90	KR
	Magnaflux Bolt		8/7/90	KR
615	Rollmark Caliber		8/7/90	BS.
617	Drill and Tap Sight Holes		8/10/90	FB
618	Polish Barrel RB		8/14/90	WS
620	Apply Coatings (Barrel Action)		8/24/90	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		8/27/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/27/90	RW
	C) Inspect Ejector Hole for Chamfer		8/29/90	RW
	D) Oil Firing Pin Ass'y		8/29/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		8/31/90	JH

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4 1/2	4 1/2	4 1/2			9/5/90	WB
	G) Safety Off Force	2 1/4	2 1/4	2 1/4			9/5/90	WB
	H) Trigger Pull Test & Retainability						8/31/90	JF
	I) Firing Pin Indent	.0225	.0235	.023			9/5/90	WB
	J) Assemble Stock						9/9/90	RW
	K) Assemble Swivel Studs						9/16/90	JDS
	L) Attach Front and Rear Sight Assemblies						9/9/90	RW
	M) Iron Sight Alignment						9/9/90	RW
	N) Detach Front & Rear Sights & place in numbered container						9/9/90	RW
	O) Attach Scope to Rifle						9/9/90	JDS
	P) Detach & Attach Scope 20 Times						9/9/90	JDS
640	Gallery Target & Test						9/9/90	AC
	A) Time						9/9/90	AC
	B) Malfunctions						9/9/90	AC
	C) Pierced Primers						9/9/90	AC
	D) Optical Clarity of Scope						9/9/90	AC
645	Inspect for Live Ammo						9/9/90	AC
655	Final Inspection							
	A) Headspace						9/16/90	JDS
	B) Trigger Pull	2.21	2.30	2.30	2.24	2.26	9-16-90	JF
	C) Function						9/16/90	JDS
660	Pack						9/19/90	AF

SWS TRIGGER PULL TEST

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

SERIAL NO. C 6498742
DATE 8/31/90
TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.44	2.24	2.35	2.21	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.50	2.04	2.36	2.30	
PULL #3	2.34	2.33	2.30	2.30	
PULL #4	2.30	2.24	2.24	2.24	
PULL #5	2.30	2.33	2.22	2.26	
TOTAL	11.88	11.18	11.47	11.31	
AVG.	2.376	2.236	2.294	2.262	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.35	3.38		
PULL #2	3.42	3.45		
PULL #3	3.51	3.48		
PULL #4	3.46	3.48		
PULL #5	3.43	3.48		
TOTAL	17.17	17.27		
AVG.	3.434	3.454		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.15	4.17		4.12
PULL #2	4.30	4.20		4.11
PULL #3	4.18	4.15		4.18
PULL #4	4.27	4.21		4.11
PULL #5	4.22	4.21		4.18
TOTAL	21.12	20.94		20.70
AVG.	4.224	4.188		4.14

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6498742
15 Sep 1990

CENTROIDAL DISTANCES

0	TO	1	.277881
1	TO	2	.696704
1	TO	3	.404031
1	TO	4	.274964
1	TO	5	.456084

5
4
3
2

<----FOR

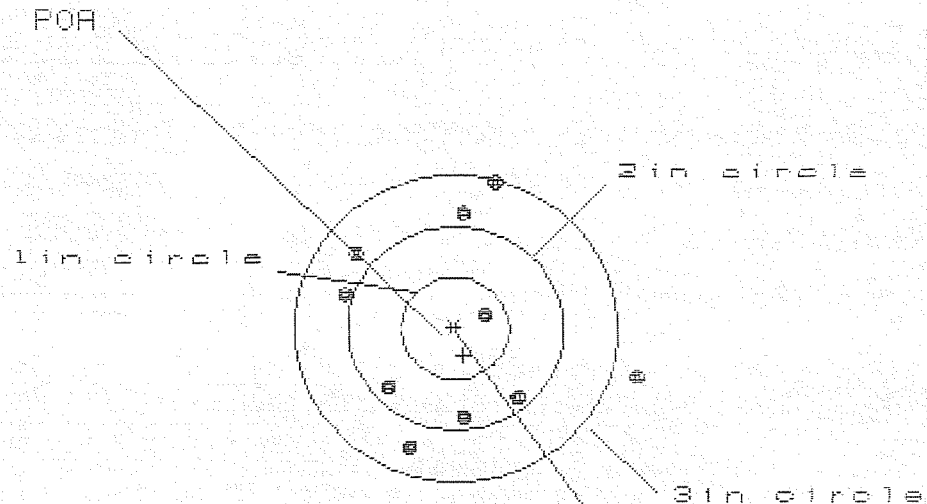
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.3254
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1068
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .342478

THE AMR FOR THIS RIFLE IS: .9836

15 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06498742

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 4

3 in = 8

HS= 2.662

VS= 2.628

GS= 2.847

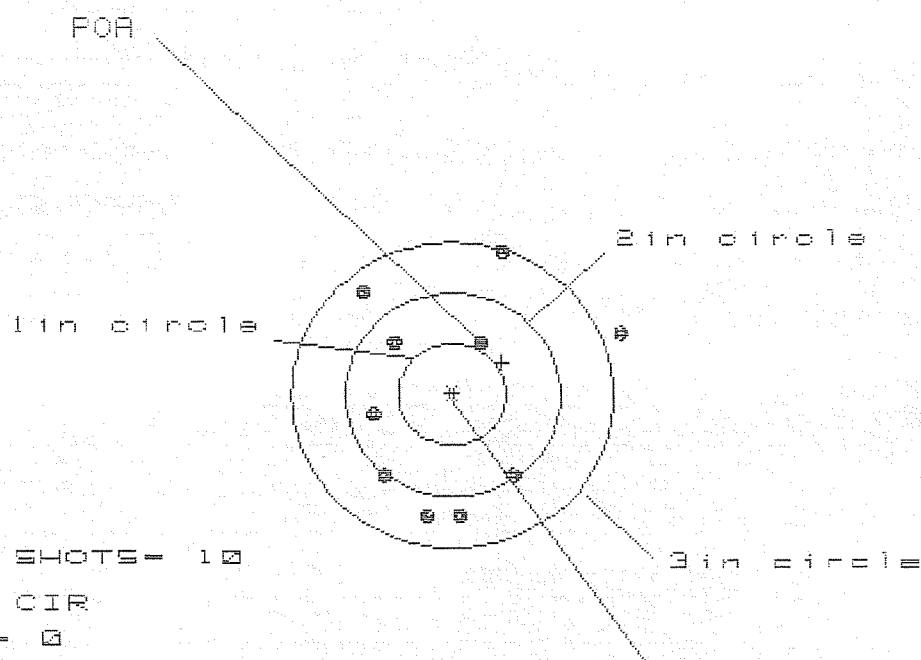
CENTROID *

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.655	.768	.838
MINIMUM X	:	-1.007	-.823	-.753
MAXIMUM Y	:	1.464	1.409	1.220
MINIMUM Y	:	-1.165	-1.219	-1.042
CENTROID X	:	-.077	-.261	-.331
CENTROID Y	:	.267	.321	.145
POA TO CENTROID in.	:	.277	.413	.361
MIN RADIUS	:	.270	.430	.551
MEAN RADIUS	:	1.066	.987	.900
MAX RADIUS	:	1.725	1.517	1.255
HORIZONTAL SPREAD	:	2.662	1.591	1.591
VERTICAL SPREAD	:	2.628	2.628	2.262
EXTREME SPREAD	:	2.847	2.756	2.316
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		8	

15 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C649B742

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 0

2 in = 5

3 in = 8

HS= 2.378

VS= 2.624

GS= 2.729

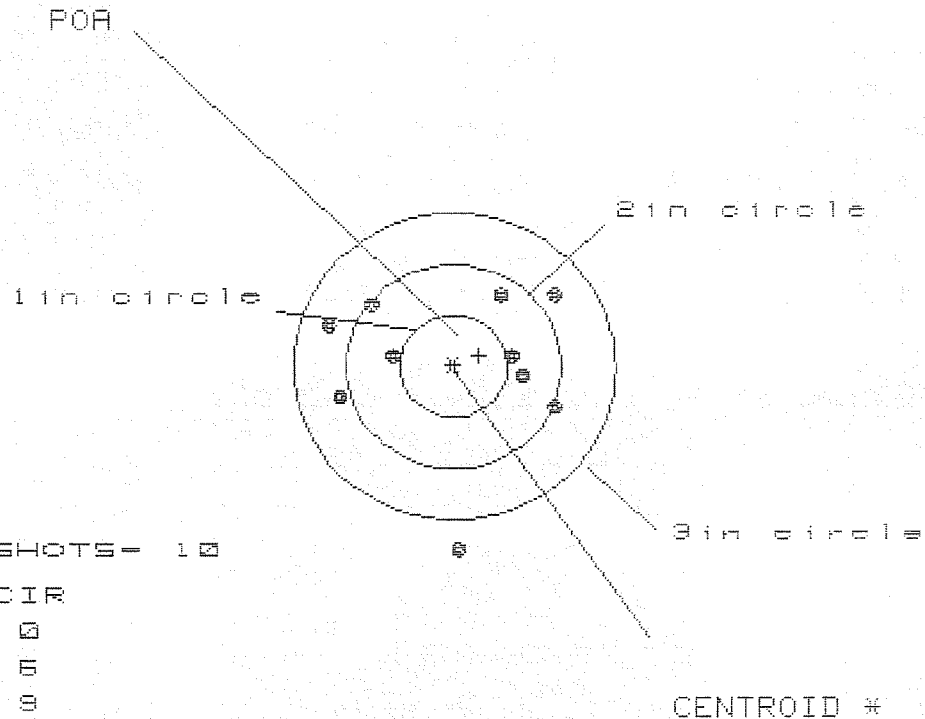
CENTROID *

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.568	.698	.781
MINIMUM X	:	-.810	-.636	-.553
MAXIMUM Y	:	1.431	1.501	1.234
MINIMUM Y	:	-1.193	-1.123	-.936
CENTROID X	:	-.463	-.637	-.720
CENTROID Y	:	-.313	-.383	-.570
POA TO CENTROID in.	:	.559	.743	.918
MIN RADIUS	:	.563	.528	.440
MEAN RADIUS	:	1.075	.979	.868
MAX RADIUS	:	1.690	1.640	1.353
HORIZONTAL SPREAD	:	2.378	1.334	1.334
VERTICAL SPREAD	:	2.624	2.624	2.170
EXTREME SPREAD	:	2.729	2.729	2.286
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

15 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6498742

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 0

2 in = 6

3 in = 9

HS= 2.058

VS= 2.514

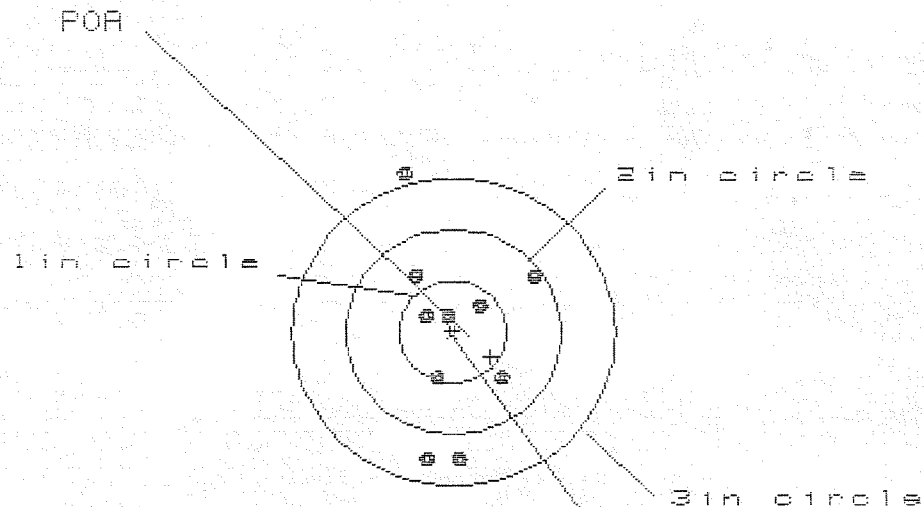
GS= 2.637

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.930	.929	.788
MINIMUM X	:	-1.128	-1.129	-1.222
MAXIMUM Y	:	.716	.516	.537
MINIMUM Y	:	-1.798	-.553	-.532
CENTROID X	:	-.237	-.236	-.095
CENTROID Y	:	-.104	.096	.075
POA TO CENTROID in.	:	.259	.255	.121
MIN RADIUS	:	.540	.531	.389
MEAN RADIUS	:	.982	.869	.810
MAX RADIUS	:	1.798	1.185	1.307
HORIZONTAL SPREAD	:	2.058	2.058	2.010
VERTICAL SPREAD	:	2.514	1.069	1.069
EXTREME SPREAD	:	2.637	2.224	2.224
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

15 Sep 1990

FILE:/PATTERNING/CENTERFIRE_PATT/CB49B742

CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1 in = 3

2 in = 7

3 in = 9

HS= 1.210

VS= 2.808

GS= 2.847

CENTROID #

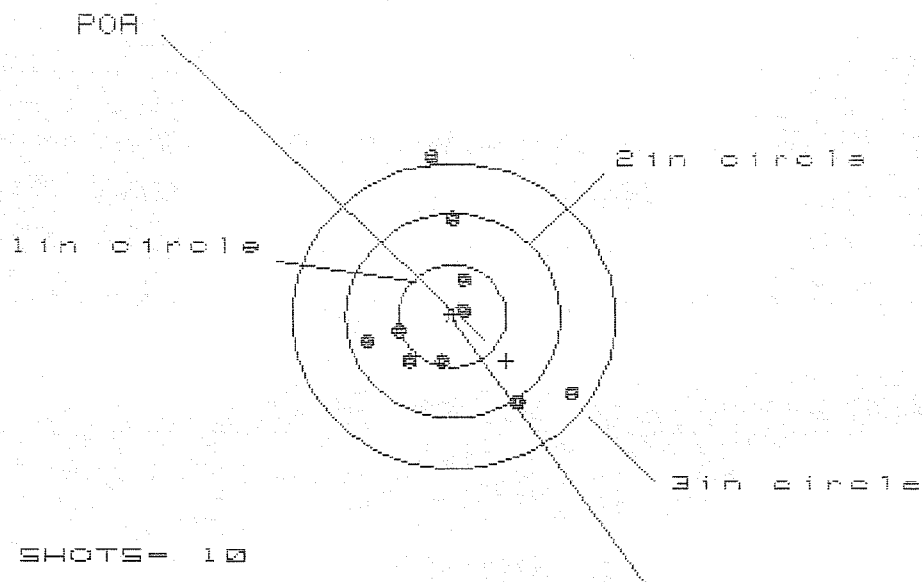
PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.733	.680	.637
MINIMUM X	:	-.477	-.364	-.407
MAXIMUM Y	:	1.599	.767	.638
MINIMUM Y	:	-1.209	-1.031	-1.152
CENTROID X	:	-.351	-.298	-.255
CENTROID Y	:	.244	.066	.195
POA TO CENTROID in.	:	.427	.305	.321
MIN RADIUS	:	.200	.367	.288
MEAN RADIUS	:	.770	.681	.606
MAX RADIUS	:	1.669	1.087	1.154
HORIZONTAL SPREAD	:	1.210	1.044	1.044
VERTICAL SPREAD	:	2.808	1.798	1.790
EXTREME SPREAD	:	2.847	2.068	1.920
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

15 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C849B742

CENTERFIRE PATTERNS

5



OF SHOTS= 10

IN CIR

1in = 3

2in = 7

3in = 9

HS= 1.860

VS= 2.404

GS= 2.599

CENTROID *

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.072	1.046	.732
MINIMUM X	:	-.788	-.814	-.683
MAXIMUM Y	:	1.537	1.107	1.039
MINIMUM Y	:	-.867	-.696	-.784
CENTROID X	:	-.499	-.473	-.604
CENTROID Y	:	.440	.269	.337
POA TO CENTROID in.	:	.665	.544	.691
MIN RADIUS	:	.116	.239	.261
MEAN RADIUS	:	.775	.679	.597
MAX RADIUS	:	1.554	1.178	1.058
HORIZONTAL SPREAD	:	1.860	1.860	1.415
VERTICAL SPREAD	:	2.404	1.803	1.803
EXTREME SPREAD	:	2.599	1.943	1.895
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

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

Remington®

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

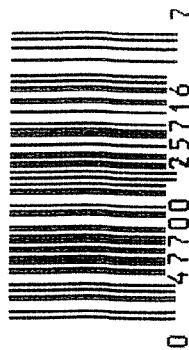
MODEL 700™ H24

SERIAL NO.
C6498742

ORDER NO.
5716

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