

06349143

MODEL 760TM M24

Model **SMS** TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

Remington Arms Company, Inc.

870 Remington Dr. P.O. Box 700
Madison, NC 27025-0700

Parts/Repairs 800-243-9700
Fax 336-548-7801

www.remington.com info@remington.com

REPAIR DOCUMENT

REPAIR DOCUMENT

Repair Order Number RE00057383 Account # - R-	Description/Serial Number C6349143 Model 700 Center Fire Caliber: 7.62 NATO M-24 (SWS)	Date Received - 12/12/2002 Estimate Date - Current Date - 12/13/2002
Customer USAIC DFEL SUPPLY DIV BLDG 490 FORT BENNING, GA 31905 US		Return To USAIC DFEL SUPPLY DIV BLDG 490 FORT BENNING, GA 31905 US
Phone (H) Phone (W)		Fax Email

Reported		Problems	Found
M993	REFURBISH		

Technician's Comments	
Condition	REC'D IN HARD CASE W/ OTHER GUN.

Serial Number:	C6349143	
Model:	700	
Material #	Material	Quantity (Y/N)
Total:	 RE00057383	

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6349143.___0
FILE DATE AND TIME: 01/16/2003 14:34

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.013
The Average Y Centroid of the Five Target Set:	-0.011
The Average Point of Impact of the Five Target Set:	0.017
The Average Mean Radius of the Five Target Set:	0.543
The Distance from POA to Centroid Target #1:	0.080
The Distance from Centroid Target #2 to Centroid Target #1:	0.097
The Distance from Centroid Target #3 to Centroid Target #1:	0.116
The Distance from Centroid Target #4 to Centroid Target #1:	0.110
The Distance from Centroid Target #5 to Centroid Target #1:	0.197

SERIAL NUMBER: C6349143.___0

TARGET NUMBER: 1

FILE DATE: 01/16/2003

FILE TIME: 14:34

X CENTROID: -0.080

Y CENTROID: -0.010

POA TO CENTROID: 0.080

HORZ SPREAD: 1.339

VERT SPREAD: 2.428

GROUP SPREAD: 2.527

MIN RADIUS: 0.088

MAX RADIUS: 1.571

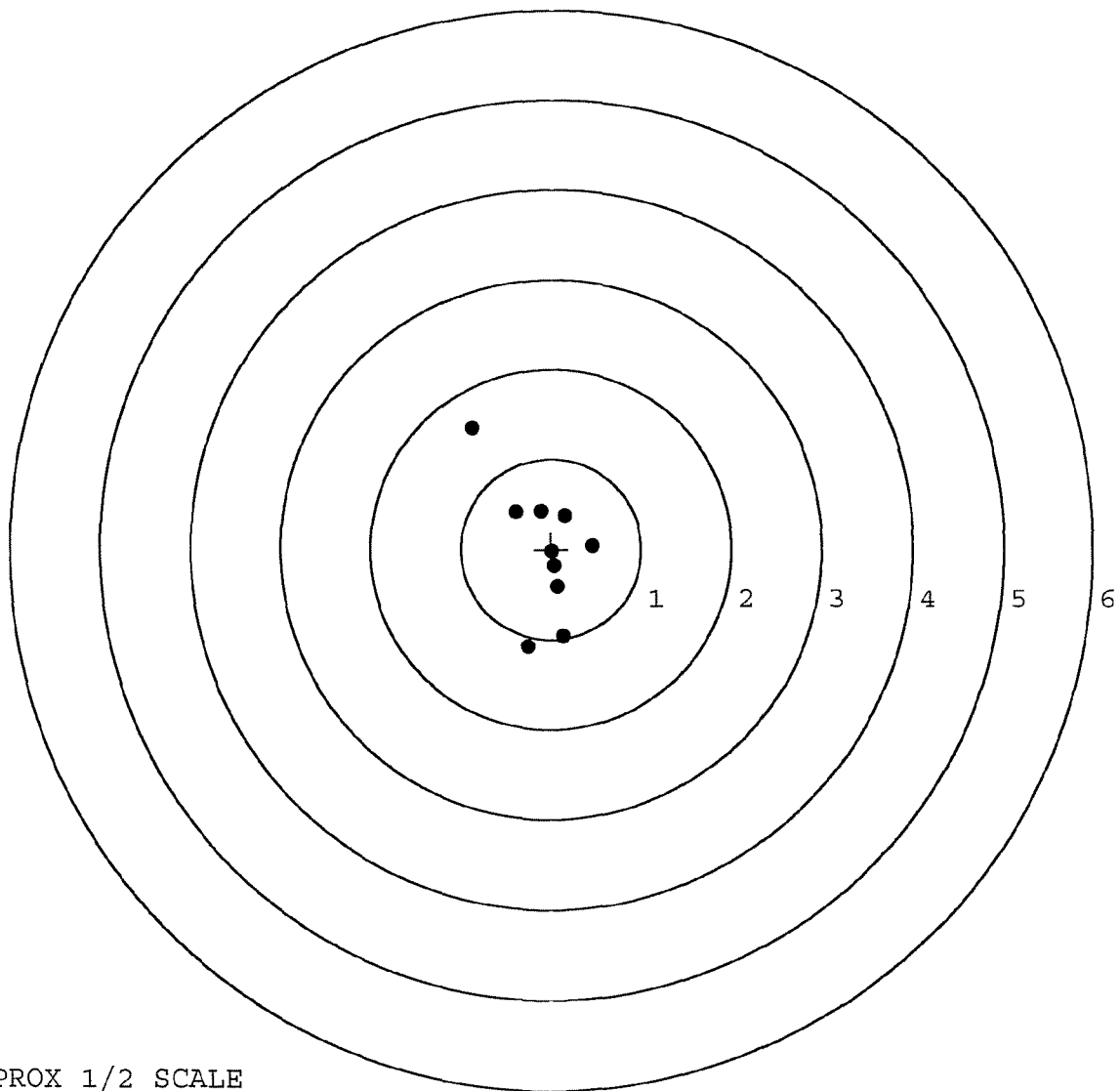
MEAN RADIUS: 0.633

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.136	-0.972
2:	-0.256	-1.086
3:	0.460	0.036
4:	0.067	-0.419
5:	0.034	-0.184
6:	0.150	0.368
7:	-0.117	0.422
8:	-0.399	0.413
9:	-0.879	1.342
10:	0.008	-0.022



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349143.___0

TARGET NUMBER: 2

FILE DATE: 01/16/2003

FILE TIME: 14:34

X CENTROID: -0.131

Y CENTROID: 0.072

POA TO CENTROID: 0.149

HORZ SPREAD: 1.151

VERT SPREAD: 1.299

GROUP SPREAD: 1.498

MIN RADIUS: 0.177

MAX RADIUS: 0.851

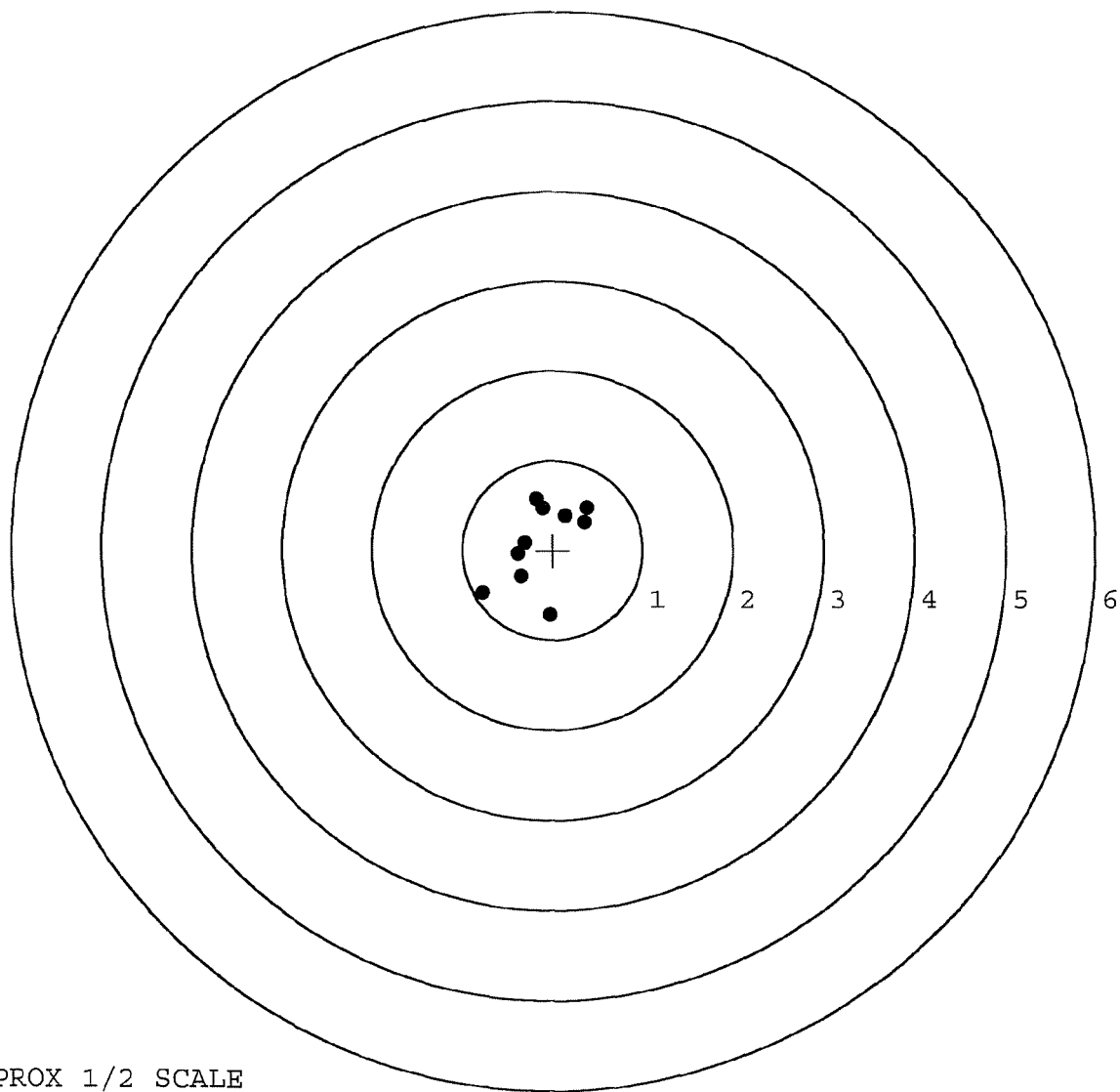
MEAN RADIUS: 0.504

IN 1 IN DIAMETER: 6

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	-0.030	-0.732
2:	-0.774	-0.485
3:	0.377	0.473
4:	0.351	0.311
5:	0.137	0.380
6:	-0.193	0.567
7:	-0.116	0.462
8:	-0.307	0.085
9:	-0.358	-0.295
10:	-0.393	-0.044

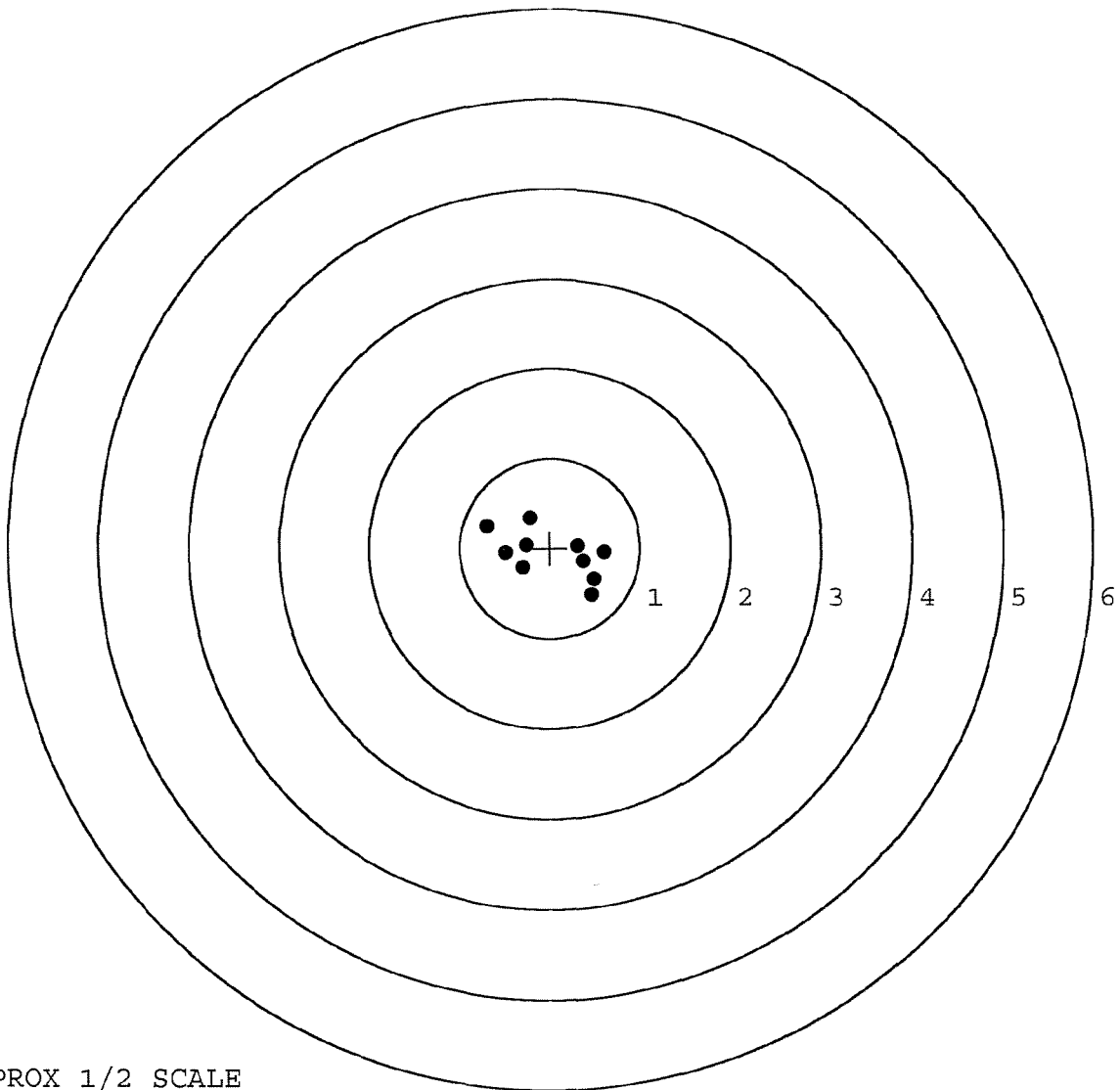


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349143. __0
TARGET NUMBER: 3
FILE DATE: 01/16/2003
FILE TIME: 14:34

X CENTROID: 0.023
Y CENTROID: -0.065
POA TO CENTROID: 0.069
HORZ SPREAD: 1.304
VERT SPREAD: 0.849
GROUP SPREAD: 1.395
MIN RADIUS: 0.301
MAX RADIUS: 0.793
MEAN RADIUS: 0.485
IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.461	-0.515
2:	0.487	-0.343
3:	0.601	-0.043
4:	0.307	0.033
5:	0.371	-0.142
6:	-0.233	0.334
7:	-0.263	0.039
8:	-0.305	-0.218
9:	-0.494	-0.051
10:	-0.703	0.253

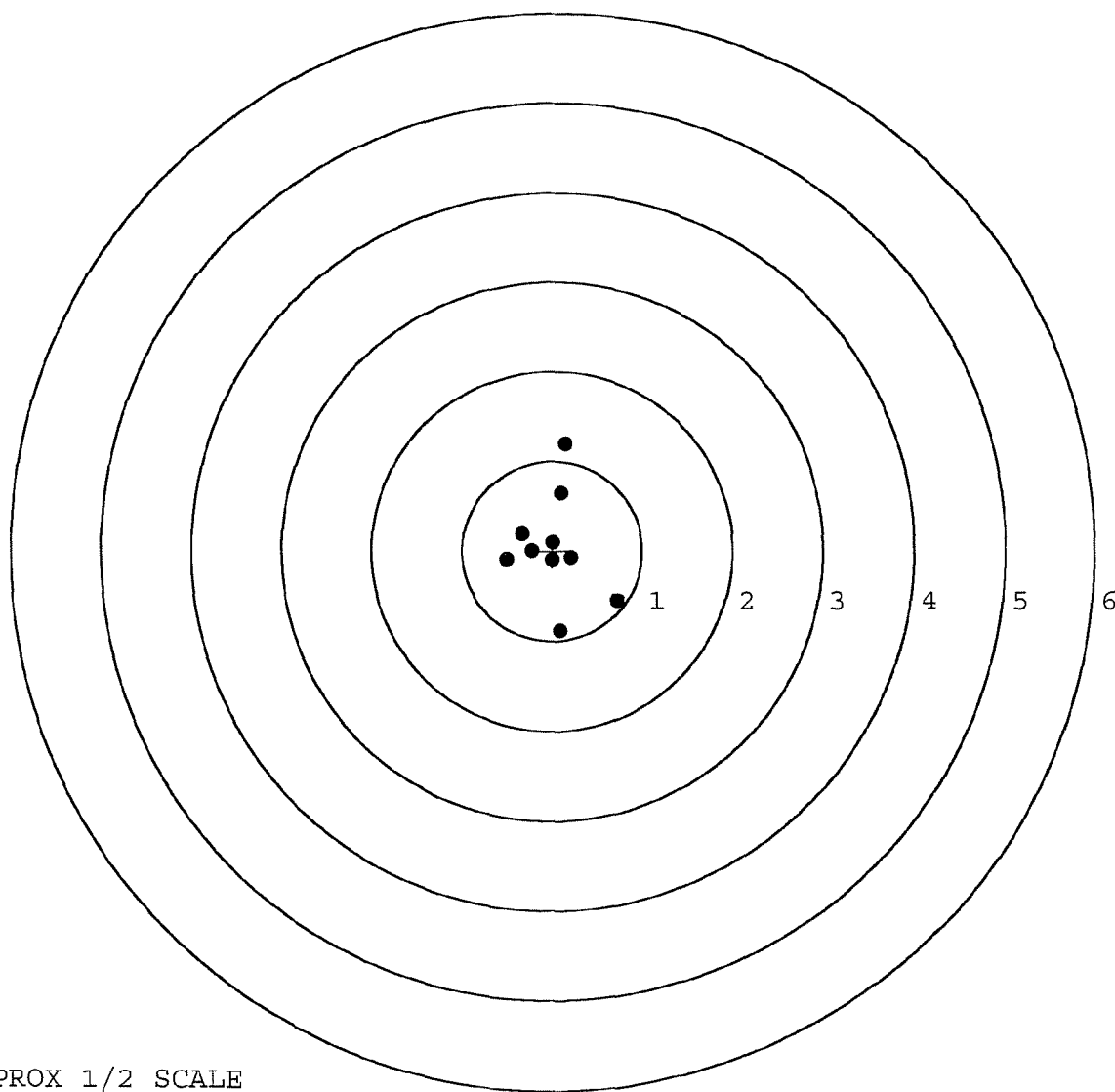


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349143.___0
TARGET NUMBER: 4
FILE DATE: 01/16/2003
FILE TIME: 14:34

X CENTROID: 0.019
Y CENTROID: 0.039
POA TO CENTROID: 0.043
HORZ SPREAD: 1.233
VERT SPREAD: 2.088
GROUP SPREAD: 2.089
MIN RADIUS: 0.061
MAX RADIUS: 1.160
MEAN RADIUS: 0.524
IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.724	-0.558
2:	0.090	-0.896
3:	0.094	0.641
4:	0.142	1.192
5:	0.208	-0.082
6:	0.009	0.099
7:	0.001	-0.102
8:	-0.334	0.192
9:	-0.509	-0.099
10:	-0.231	0.001

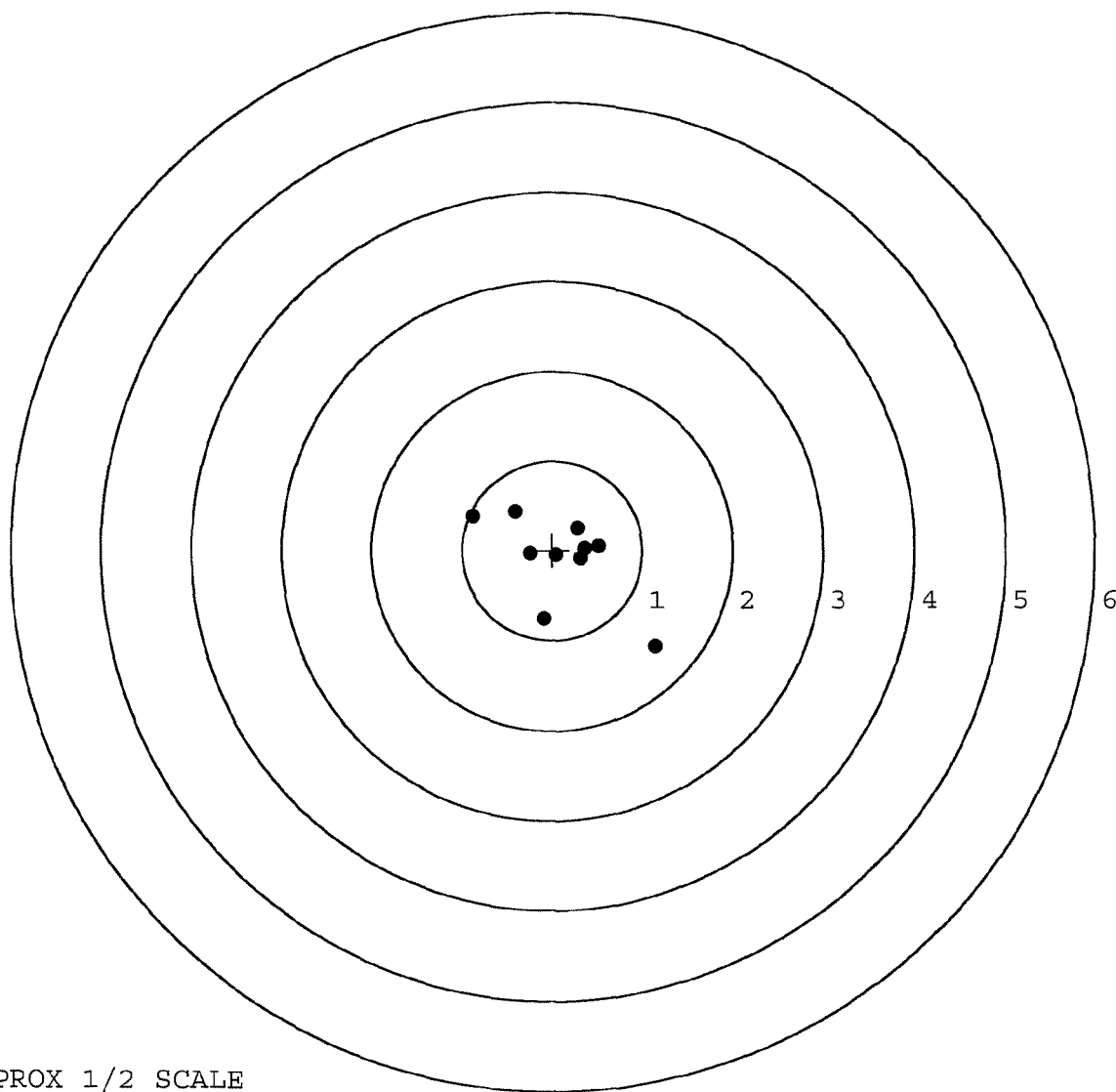


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349143.___0
TARGET NUMBER: 5
FILE DATE: 01/16/2003
FILE TIME: 14:34

X CENTROID: 0.101
Y CENTROID: -0.089
POA TO CENTROID: 0.135
HORZ SPREAD: 2.025
VERT SPREAD: 1.510
GROUP SPREAD: 2.495
MIN RADIUS: 0.064
MAX RADIUS: 1.433
MEAN RADIUS: 0.571
IN 1 IN DIAMETER: 6
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	1.141	-1.075
2:	-0.098	-0.767
3:	-0.884	0.383
4:	-0.417	0.435
5:	-0.253	-0.035
6:	0.046	-0.056
7:	0.320	-0.092
8:	0.518	0.047
9:	0.276	0.250
10:	0.361	0.020



TARGET APPROX 1/2 SCALE

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

SERIAL NO.

DATE 1-02-03

TESTER TRW

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.56	2.14		2.24	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT ABLE LESS THAN
PULL #2	2.54	2.15		2.18	
PULL #3	2.41	2.18		2.19	
PULL #4	2.46	2.19		2.18	
PULL #5	2.59	2.35		2.32	
TOTAL	12.56	11.01		11.11	
AVG.	2.51	2.20		2.22	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.02	3.05		
PULL #2	3.04	3.02		
PULL #3	2.99	3.14		
PULL #4	3.14	3.11		
PULL #5	3.17	3.03		
TOTAL	15.36	15.35		
AVG.	3.07	3.07		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# & TARGET & ACCU
PULL #1	4.32	4.27		4.11
PULL #2	4.06	4.22		4.21
PULL #3	4.39	4.30		4.30
PULL #4	4.37	4.33		4.16
PULL #5	4.29	4.26		4.17
TOTAL	21.43	21.38		17.25
AVG.	4.28	4.27		3.45

FINAL INSPECTION CHECKLIST M-24 REPAIRS
CONTRACT #: DAAE-20-02-D-0127

SERIAL # C62349143 INSPECTED BY: RTL

DATE REC'D: 12-12-02 DATE RET'D: 1-14-03

ITEM

BARREL ASSEMBLY

☒ BARREL
☒ RECEIVER
☒ FRONT SIGHT BASE
☒ REAR SIGHT BASE
☒ SCREWS
☒ FINISH

SCOPE ASSEMBLY

☒ SCOPE
☒ SCOPE RINGS
☒ MOUNTING SCREWS
☒ MOUNTING BASE
☒ SCREWS
☒ FINISH
☒ CLARITY

ITEM

STOCK ASSEMBLY

☒ STOCK
☒ SLING AWIVEL STUDS
☒ ADJUSTABLE
☒ BUTT PLATE
☒ LOCK NUTS
☒ BARREL CLEARANCE
☒ COLOR / FINISH

SYSTEMS CASE

☒ SCOPE CASE
☒ IRON SIGHTS
☒ DEPLOYMENT KIT

TRIGGER ASSEMBLY

☒ SAFETY OPERATION
☒ RE-SET TO FACTORY SPECS

COMMENTS:

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

R & E NUMBER	57383		
SERIAL NUMBER	C6349143		
LOG-IN DATE	12-12-03		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	1-2-03	RTL
560 A	RE-BARREL	1-3-03	RA
B	DRILL AND TAP	1-7-03	TRW
575	ASSEMBLE	1-7-03	RL
600	PROOF	1-7-03	RW
605	CHECK HEADSPACE	1-7-03	RW
610	DIS-ASSEMBLE GUN	1-7-03	RW
612	MAGNAFLUX	1-8-03	AD
615	ROLLMARK CALIBER	1-7-03	RW
618	ROTO-BLAST	1-8-03	RL
620	APPLY COATINGS	1-10	TA
625 A	FINAL ASSEMBLY	1-14-03	RTL
B	TRIGGER PULL TEST	1-16-03	TRW
C	SAFETY "ON" FORCE	1-16-03	TRW
D	SAFETY "OFF" FORCE	1-16-03	TRW
E	FIRING PIN INDENT		
640	TARGET	1-15-03	AC
655	FINAL INSPECT	1-16-03	RTL
660	PACK	1-16-03	
		SHIP DATE	
	QAR INSPECTION DATE		

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6349143

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	10-9	89	RW
600	Proof	10-9	89	A
607	Check Headspace	10-9	89	RW
610	Dis-assemble Gun	10-9	89	RW
612	Magnaflux Barrel Action	10/31/89		KCR
	Magnaflux Bolt	10/31/89		KCR
615	Rollmark Caliber			
7	Drill and Tap Sight Holes			
618	Polish Barrel			
620	Apply Coatings (Barrel Action)		11-3-89	TJA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		11/6/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11/6/89	RW
	C) Inspect Ejector Hole for Chamfer		11/6/89	RW
	D) Oil Firing Pin Ass'y		11/6/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		11/6/89	RW

op. #	OP. NAME	READINGS			DATE	INIT		
625 cont.	F) Safety On Force	4	4	4	11-14-89	JS		
	G) Safety Off Force	3	3	3	11-14-89	JS		
	H) Trigger Pull Test & Retainability				14 Nov 89	JS		
	I) Firing Pin Indent	.0215	.022	.022	11-14-89	JS		
	J) Assemble Stock				11/15/89	RW		
	K) Assemble Swivel Studs				27 Nov 89	JS		
	L) Attach Front and Rear Sight Assemblies				11/15/89	RW		
	M) Iron Sight Alignment				11/15/89	RW		
	N) Detach Front & Rear Sights & place in numbered container				11/15/89	RW		
	O) Attach Scope to Rifle				15 Nov 89	JS		
	P) Detach & Attach Scope 20 Times				15 Nov 89	JS		
640	Gallery Target & Test				11-17-89	DH		
	A) Time				11-17-89	DH		
	B) Malfunctions				11-17-89	DH		
	C) Pierced Primers				11-17-89	DH		
	D) Optical Clarity of Scope				11-17-89	DH		
645	Inspect for Live Ammo				11-17-89	DH		
655	Final Inspection							
	A) Headspace				27 Nov 89	JS		
	B) Trigger Pull	2.58	264	267	272	282	27 Nov 89	JS
	C) Function						27 Nov 89	JS
660	Pack						15 Dec 89	JS

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

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

SERIAL NO. 26349143

DATE 10 Mar 90

TESTER QD

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	233	212		227	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	229	219		238	
PULL #3	224	217		232	
PULL #4	225	223		230	
PULL #5	230	221		243	
TOTAL	1141	1092		1170	
AVG.	2.282	2.184		2.34	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	329	323		
PULL #2	319	338		
PULL #3	324	325		
PULL #4	338	333		
PULL #5	337	336		
TOTAL	1647	1655		
AVG.	3.294	3.31		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	424	422		
PULL #2	430	437		
PULL #3	425	434		
PULL #4	434	424		
PULL #5	435	427		
TOTAL	2148	2144		
AVG.	4.296	4.288		

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6349143
17 Nov 1989

CENTROIDAL DISTANCES

0 TO	1	.341369
1 TO	2	.284482
1 TO	3	.249596
1 TO	4	.258627
1 TO	5	.187856

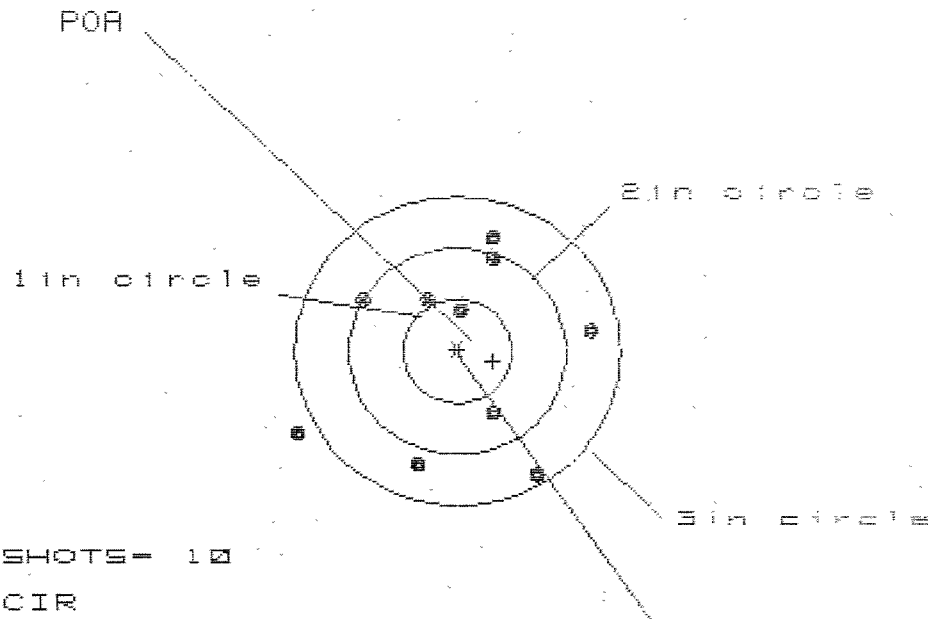
$\bar{x} = -0.482$ <----POI

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.482
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1158
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .418343
THE AMR FOR THIS RIFLE IS: .9104

17 Nov 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C8349143

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 4

3 in = 9

HS= 3.660

VS= 2.345

GS= 2.835

CENTROID #

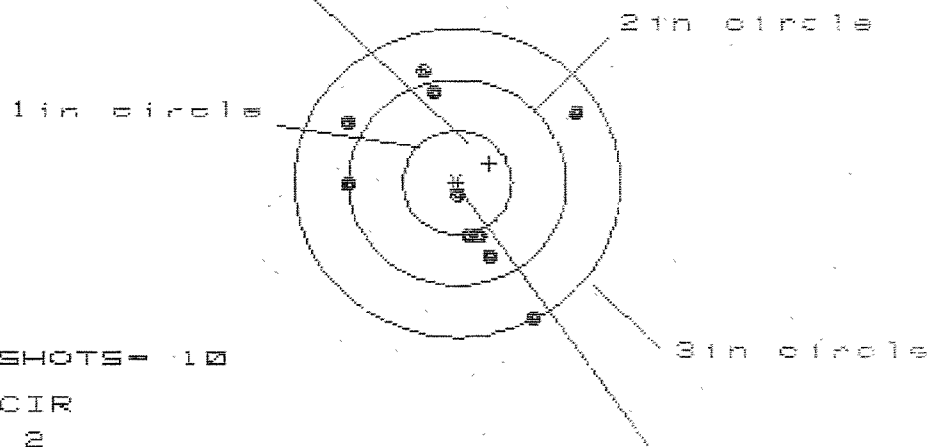
PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.215	1.054	1.120
MINIMUM X	:	-1.445	-1.046	-.972
MAXIMUM Y	:	1.149	1.063	.902
MINIMUM Y	:	-1.196	-1.282	-1.296
CENTROID X	:	-.327	-.166	-.240
CENTROID Y	:	.098	.184	.345
POA TO CENTROID in.	:	.341	.248	.420
MIN RADIUS	:	.362	.328	.155
MEAN RADIUS	:	1.023	.938	.833
MAX RADIUS	:	1.642	1.410	1.353
HORIZONTAL SPREAD	:	2.660	2.100	2.100
VERTICAL SPREAD	:	2.345	2.345	2.198
EXTREME SPREAD	:	2.835	2.384	2.293
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		9	

17 Nov 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6345143

CENTERFIRE PATTERNS # 2

POA



OF SHOTS- 10

IN CIR

1in = 2

2in = 6

3in = 10

HS= 2.049

VS= 2.369

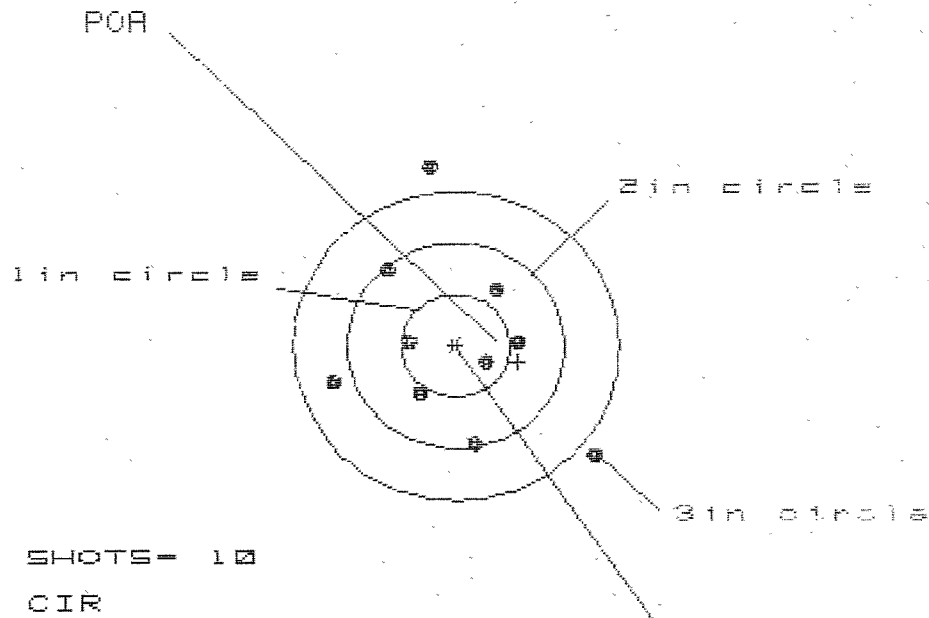
GS= 2.549

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.074	1.149	.554
MINIMUM X	:	-.975	-.900	-.756
MAXIMUM Y	:	1.064	.919	.991
MINIMUM Y	:	-1.305	-.833	-.761
CENTROID X	:	-.298	-.373	-.517
CENTROID Y	:	-.185	-.040	-.112
POA TO CENTROID in.	:	.351	.375	.529
MIN RADIUS	:	.152	.308	.320
MEAN RADIUS	:	.884	.833	.763
MAX RADIUS	:	1.469	1.286	.992
HORIZONTAL SPREAD	:	2.049	2.049	1.220
VERTICAL SPREAD	:	2.369	1.752	1.752
EXTREME SPREAD	:	2.549	2.181	1.858
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

17 Nov 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08349143

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 7

3 in = 8

HS= 2.453

VS= 2.819

GS= 3.217

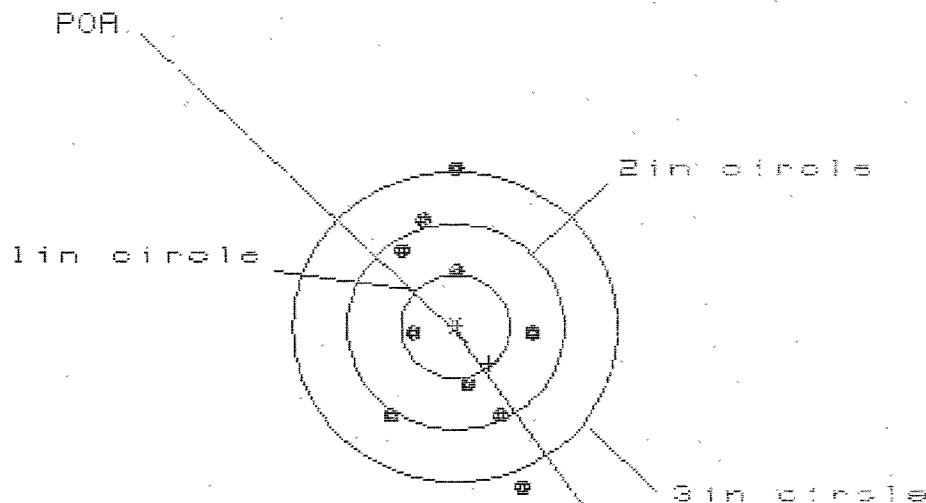
CENTROID #

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.318	1.292	.733
MINIMUM X	:	-1.145	-1.171	-1.009
MAXIMUM Y	:	1.720	.904	.790
MINIMUM Y	:	-1.099	-.907	-.903
CENTROID X	:	-.570	-.544	-.706
CENTROID Y	:	.155	-.037	.077
POA TO CENTROID in.	:	.590	.545	.710
MIN RADIUS	:	.336	.266	.298
MEAN RADIUS	:	.919	.815	.709
MAX RADIUS	:	1.736	1.579	1.046
HORIZONTAL SPREAD	:	2.463	2.453	1.742
VERTICAL SPREAD	:	2.819	1.811	1.693
EXTREME SPREAD	:	3.217	2.669	1.830
NUMBER IN ONE INCH CIRCLE =			2	
NUMBER IN TWO INCH CIRCLE =			7	
NUMBER IN THREE INCH CIRCLE =			8	

17 Nov 1989

FILE://PATTERNING/CENTERFIRE_PATT/C6349143

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in = 1

2in = 7

3in = 9

HS= 1.253

VS= 3.087

GS= 3.149

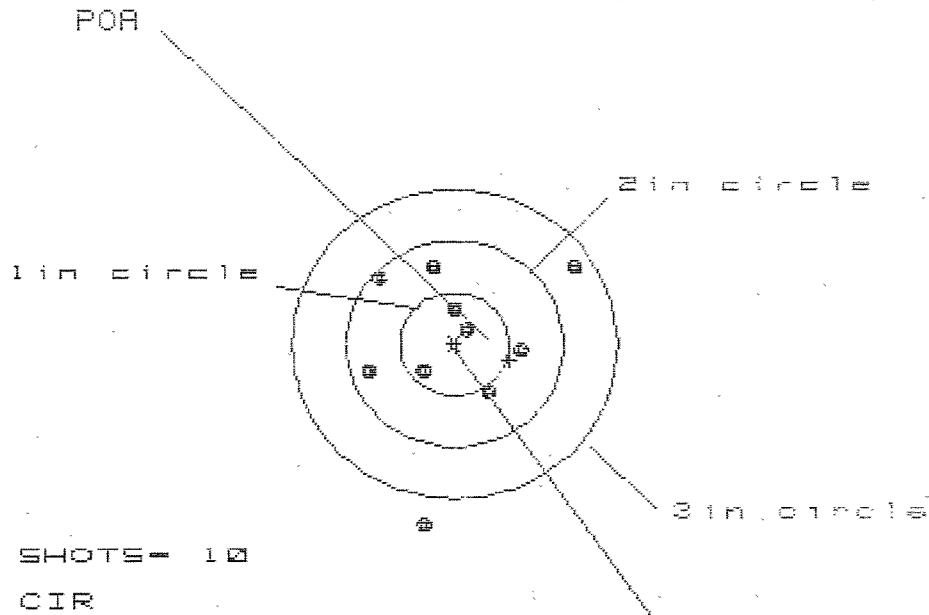
CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.698	.766	.774
MINIMUM X	:	-.555	-.487	-.479
MAXIMUM Y	:	1.496	1.319	1.073
MINIMUM Y	:	-1.591	-1.044	-.879
CENTROID X	:	-.309	-.377	-.085
CENTROID Y	:	.356	.533	.368
POR TO CENTROID in.	:	.472	.653	.533
MIN RADIUS	:	.431	.397	.356
MEAN RADIUS	:	.945	.844	.775
MAX RADIUS	:	1.707	1.320	1.099
HORIZONTAL SPREAD	:	1.253	1.253	1.253
VERTICAL SPREAD	:	3.087	2.363	1.952
EXTREME SPREAD	:	3.149	2.406	2.096
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

17 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C8345143

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 8

3 in = 9

HS= 1.905

VS= 2.547

GS= 2.924

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.149	1.112	.694
MINIMUM X	:	-.756	-.793	-.654
MAXIMUM Y	:	.792	.597	.669
MINIMUM Y	:	-1.755	-.672	-.660
CENTROID X	:	-.506	-.469	-.608
CENTROID Y	:	.155	.350	.278
POA TO CENTROID in.	:	.529	.585	.669
MIN RADIUS	:	.172	.085	.204
MEAN RADIUS	:	.781	.643	.570
MAX RADIUS	:	1.786	1.251	.790
HORIZONTAL SPREAD	:	1.905	1.905	1.348
VERTICAL SPREAD	:	2.547	1.269	1.269
EXTREME SPREAD	:	2.924	2.140	1.522
NUMBER IN ONE INCH CIRCLE =			3	
NUMBER IN TWO INCH CIRCLE =			8	
NUMBER IN THREE INCH CIRCLE =			9	



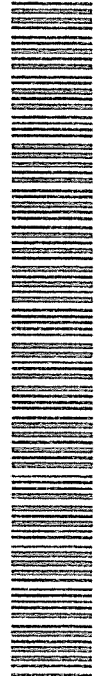

VERY IMPORTANT:
Instruction Book
enclosed to assure
safe use of this
firearm.

MODEL 700™ H24

SERIAL NO.
C6349143

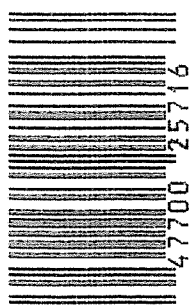
ORDER NO.
5716

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