

G6695380
Replaces
C6225084

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: RE00151970

Serial: C6225084 Model M24 SWS Center Fire
Caliber: 7.62 NATO Produced: 12/20/1988

Repairman:

Verify Repair

Status: Closed 9/26/2008 9:51:05 AM

Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name: DEF DIST DEPOT ANNISTON AL

DEF DIST DEPOT ANNISTON AL

Address 1: 7 FRANKFORD AVE BLDG 362

7 FRANKFORD AVE BLDG 362

Address 2: PO Box:

PO Box:

City: ANNISTON

ANNISTON

State: AL

Zip Code: 36201-4199

Country: US

State: AL

Zip Code: 36201-4199

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	2
A010	Hard Case	1
A017	Scope Base	1
A026	Scope	1
A057	Fit and Rear Sgt Base	1

Repair Search

Refresh

Close

naglej

9/29/2008

2:39 PM

CAPS

NUM

INS

SCRL

start

13 M...

4 M...

HR Ba...

2 Int...

Arms...

Part S...

2:39 PM

Serial
Number:

C6225084

Model M24 SWS



RE00151970

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

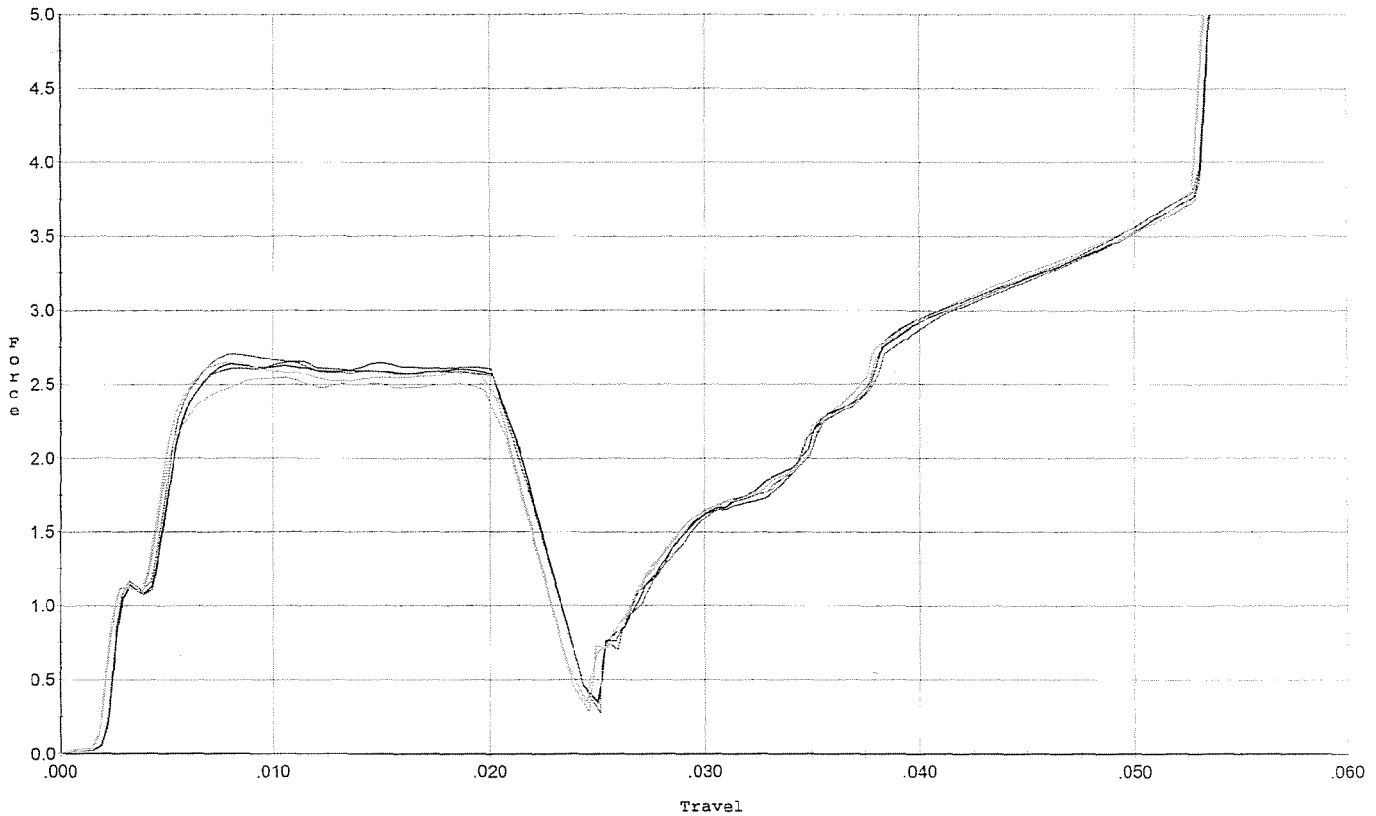
R & E NUMBER <u>151970</u>				
SERIAL NUMBER <u>G669 5380</u>				
LOG-IN DATE <u>9-26-08</u>				
OPERATION #	OPERATION NAME		DATE	INITIAL
500	DIS-ASSEMBLE GUN		3-26-09	RT
505	RE-BARREL		3-27-09	RT
420	ASSEMBLE		3-27-09	RT
440	PROOF	MAGNA - FLUX	3-27-09	TC
460	CHECK HEADSPACE		3-27-09	TC
470	DIS-ASSEMBLE GUN			
480	MAGNAFLUX	APR 12 2009 OPERATOR <u>(Signature)</u>	4/2/09	(Signature)
510	DRILL AND TAP		3-28-09	SP
500	ROLLMARK CALIBER		4/2/09	RT
520	GOFF BLAST BBL / REC		4-2	BT
530 & 540	APPLY COATINGS		4-3	
560	FINAL ASSEMBLY		4-13-09	RT
640	FUNCTION TEST AND	PASS FAIL	4-13-09	RP
650	TARGET	PASS FAIL	4-13-09	RP
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION		
	MALFUNCTION	CORRECTION	4-13-09	(Signature)
670	FINAL INSPECTION			
	A) HEADSPACE	PASS FAIL	4-16-09	WN
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	2.65 2.65 2.65 2.66 2.65 4-14-09	WN
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS MAX	4 4 4 4-16-09	WN
	G) SAFETY OFF FORCE	2 LBS MIN	4 4 4 4-16-09	WN
	I) FIRING PIN INDENT	.020	.021 .022 .022 4-16-09	WN
690	PACK		6/3/09	FM

F006 REV 1/2009

Trigger Profile [lbs,inch]

Profile SWS
GunType: Rifle
Make: Remington
Note: C Schults 3/3/2009

Model: M/24
Serial No: Form #F005
Trigger: 2.5 lbs ini +/- .50 lb



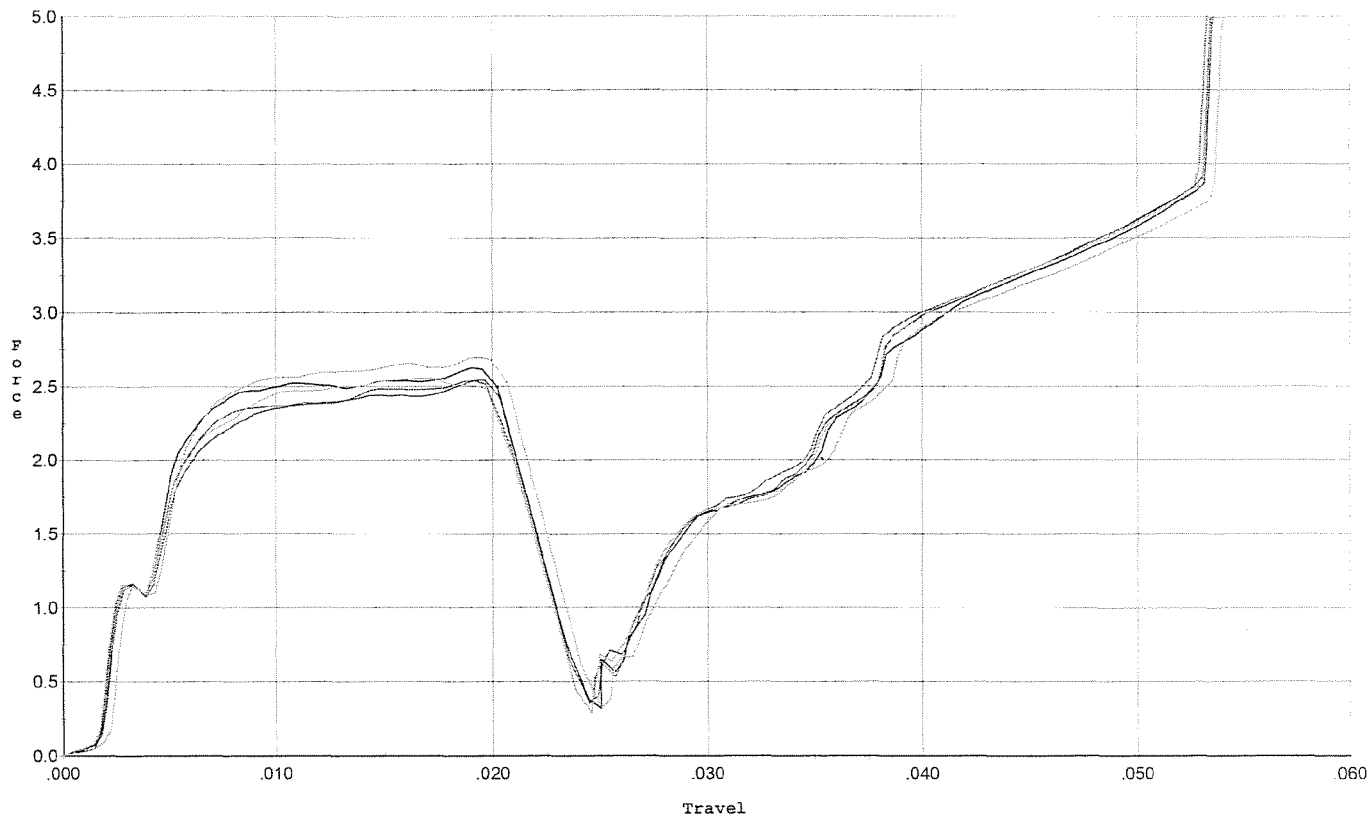
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	2.654	0.021	0.002	0.035	0.042		Set Trigger
2	2.639	0.021	0.00	0.036	0.042		Set Trigger
3	2.706	0.022	0.002	0.036	0.043		Set Trigger
4	2.649	0.020	0.002	0.036	0.041		Set Trigger
5	2.545	0.021	0.00	0.036	0.040		Set Trigger

A-2-63

Trigger Profile [lbs,inch]

Profile SWS
 GunType: Rifle
 Make: Remington
 Note: C Schults 3/3/2009

Model: M/24
 Serial No: Form #F005
 Trigger: 2.5 lbs after 50 cycles+/- .50 lb



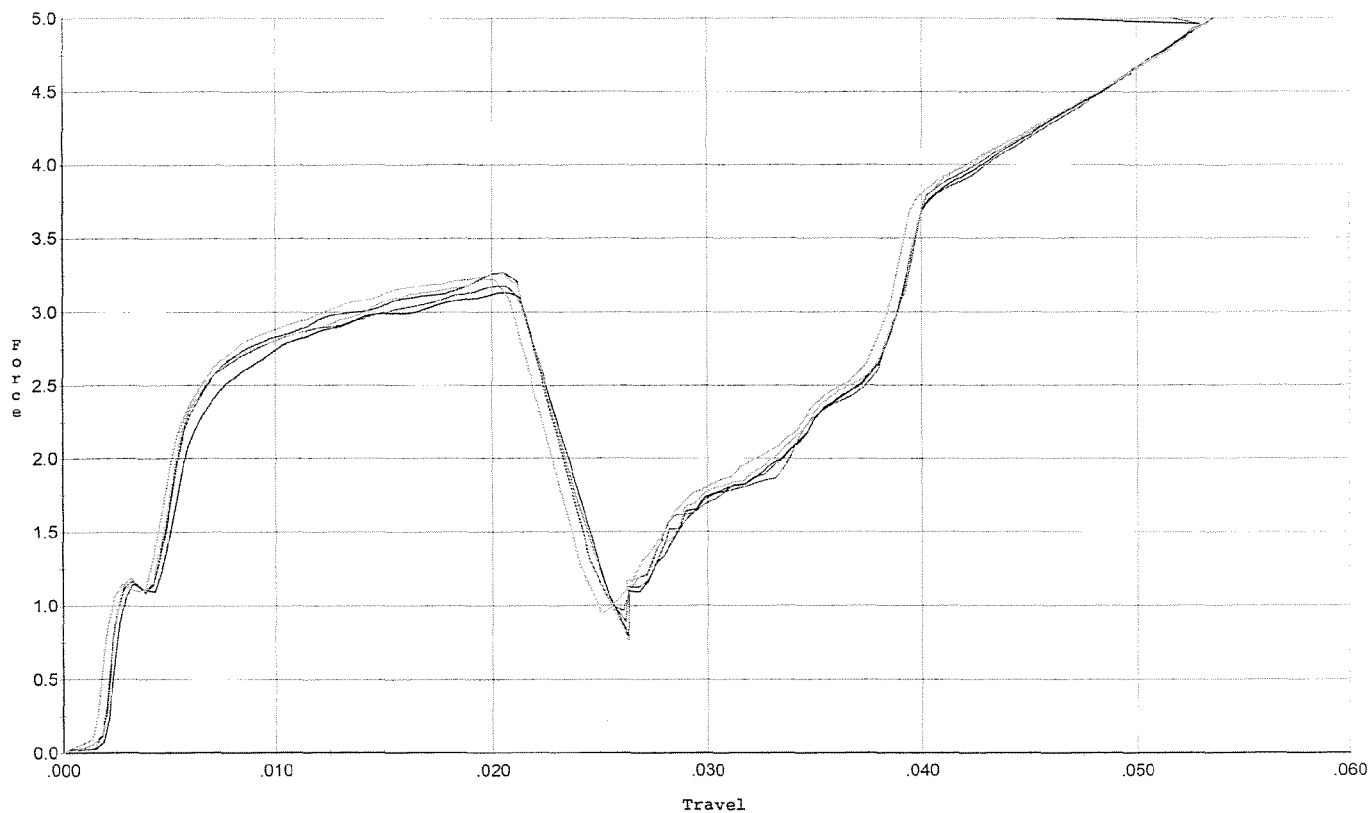
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	2.547	0.020	0.00	0.036	0.038		Set Trigger
2	2.628	0.020	0.004	0.036	0.039		Set Trigger
3	2.542	0.021	0.00	0.035	0.039		Set Trigger
4	2.557	0.021	0.004	0.036	0.040		Set Trigger
5	2.699	0.021	0.005	0.036	0.040		Set Trigger

A-2-59

Trigger Profile [lbs,inch]

Profile SWS
 GunType: Rifle
 Make: Remington
 Note: C Schults 3/3/2009

Model: M/24
 Serial No: Form #F005
 Trigger: 3.0 lbs ini +/- .75 lb



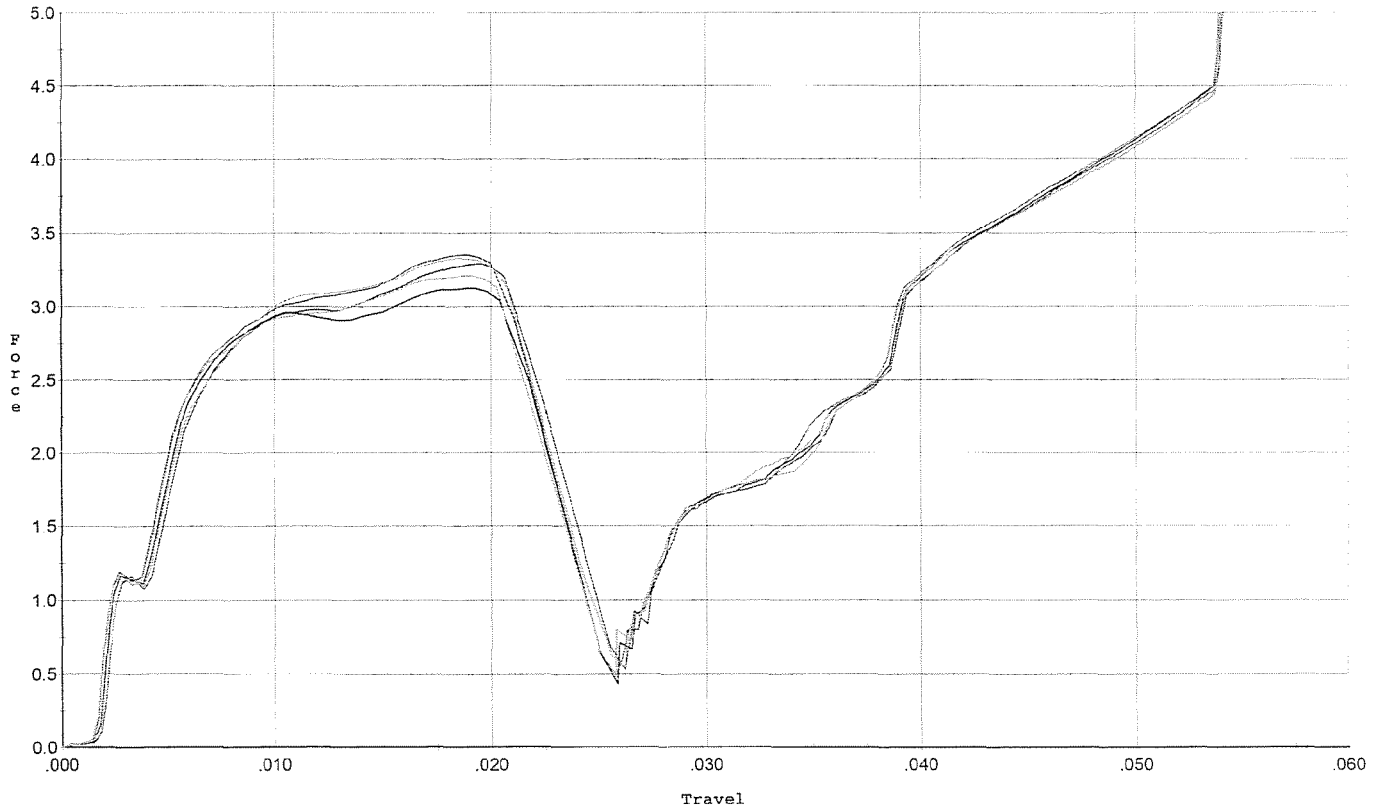
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	3.269	0.021	0.00	0.035	0.048		Set Trigger
2	3.131	0.021	0.002	0.035	0.046		Set Trigger
3	3.179	0.021	0.00	0.035	0.048		Set Trigger
4	3.256	0.021	0.00	0.035	0.049		Set Trigger
5	3.226	0.021	0.004	0.035	0.047		Set Trigger

AB.21

Trigger Profile [lbs,inch]

Profile SWS
 GunType: Rifle
 Make: Remington
 Note: C Schults 3/3/2009

Model: M/24
 Serial No: Form #F005
 Trigger: 3.0 lbs after 20 cycles+/- .75 lb



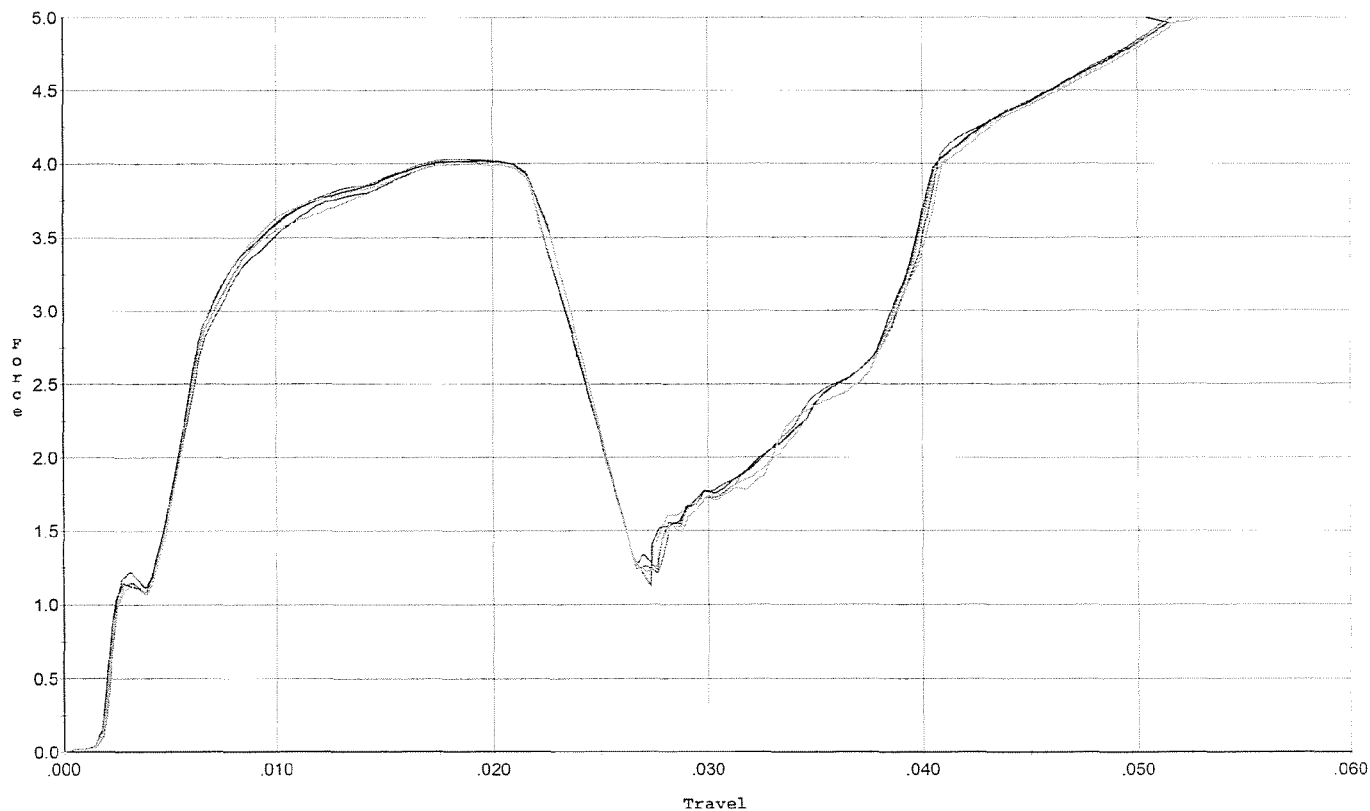
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	3.291	0.023	0.00	0.035	0.051		Set Trigger
2	3.126	0.022	0.004	0.035	0.049		Set Trigger
3	3.352	0.021	0.00	0.035	0.049		Set Trigger
4	3.329	0.021	0.00	0.035	0.048		Set Trigger
5	3.208	0.022	0.00	0.035	0.051		Set Trigger

A-3-26

Trigger Profile [lbs,inch]

Profile SWS
 GunType: Rifle
 Make: Remington
 Note: C Schults 3/3/2009

Model: M/24
 Serial No: Form #F005
 Trigger: 4.0 lbs ini +/- 1.0 lb



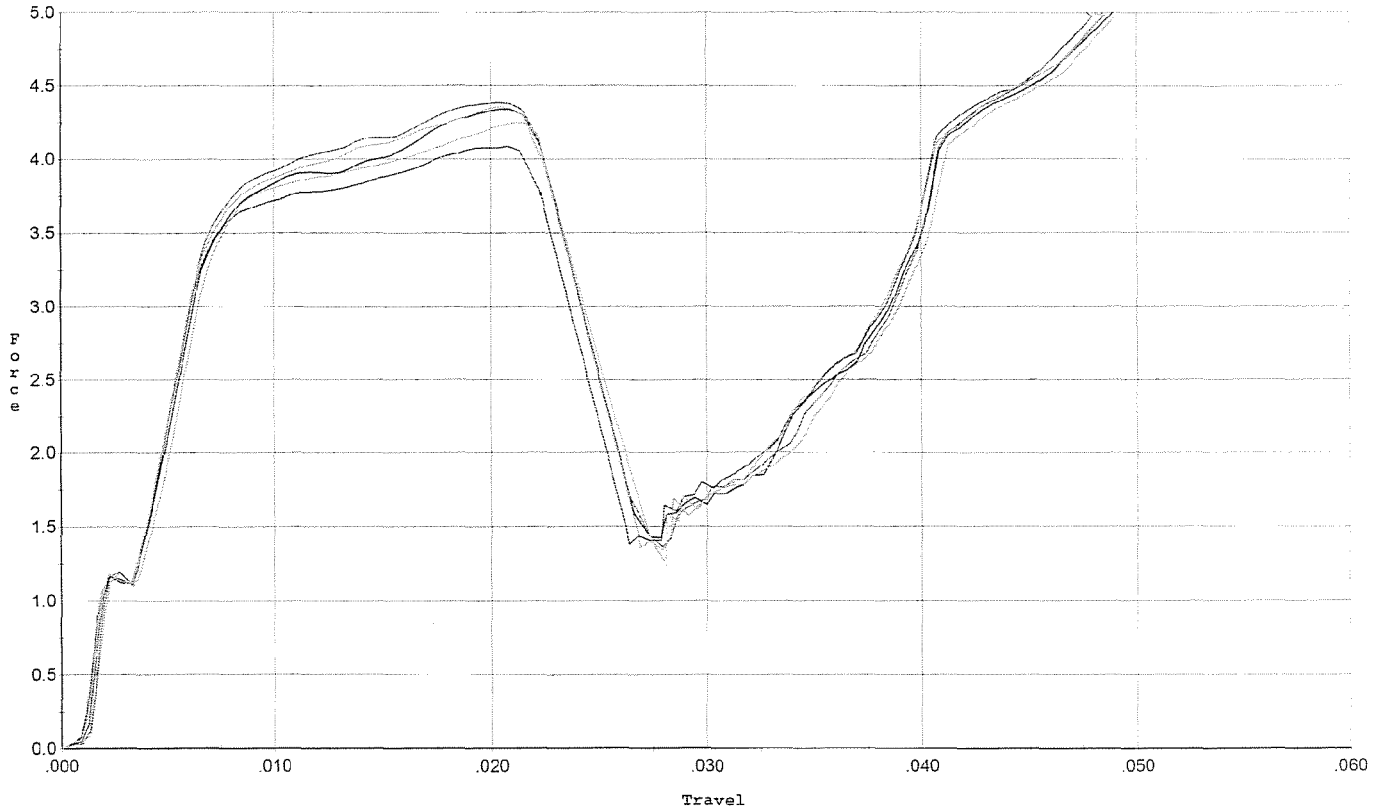
#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	4.013	0.023	0.00	0.033	0.062		Set Trigger
2	4.021	0.024	0.004	0.033	0.066		Set Trigger
3	4.029	0.023	0.00	0.033	0.063		Set Trigger
4	4.008	0.023	0.00	0.033	0.063		Set Trigger
5	3.998	0.024	0.00	0.033	0.065		Set Trigger

A. 4.01

Trigger Profile [lbs,inch]

Profile SWS
GunType: Rifle
Make: Remington
Note: C Schults 3/3/2009

Model: M/24
Serial No: Form #F005
Trigger: 4.0 lbs after 20 cycles+/- 1.0 lb



#	Peak Force	Travel To Actuate	Initial Take-up	Overtravel	Energy To Actuate	Lock Time	Action Type
1	4.085	0.022	0.004	0.033	0.065		Set Trigger
2	4.339	0.022	0.004	0.033	0.067		Set Trigger
3	4.386	0.022	0.00	0.033	0.068		Set Trigger
4	4.248	0.022	0.00	0.033	0.065		Set Trigger
5	4.359	0.022	0.004	0.033	0.068		Set Trigger

A. 4.28

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: G6695380.___0
FILE DATE AND TIME: 04/14/2009 05:09

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.005
The Average Y Centroid of the Five Target Set:	-0.094
The Average Point of Impact of the Five Target Set:	0.095
The Average Mean Radius of the Five Target Set:	0.698
The Distance from POA to Centroid Target #1:	0.148
The Distance from Centroid Target #2 to Centroid Target #1:	0.076
The Distance from Centroid Target #3 to Centroid Target #1:	0.066
The Distance from Centroid Target #4 to Centroid Target #1:	0.303
The Distance from Centroid Target #5 to Centroid Target #1:	0.156

SERIAL NUMBER: G6695380. 0

TARGET NUMBER: 1

FILE DATE: 04/14/2009

FILE TIME: 05:09

POINT#	X	Y
1:	0.595	-0.402
2:	0.718	-0.383
3:	0.617	-0.652
4:	0.217	-0.805
5:	-0.228	-0.526
6:	-0.063	-0.337
7:	-1.469	0.021
8:	-0.844	0.008
9:	0.242	0.378
10:	0.510	1.252

X CENTROID: 0.030

Y CENTROID: -0.145

POA TO CENTROID: 0.148

HORZ SPREAD: 2.187

VERT SPREAD: 2.057

GROUP SPREAD: 2.331

MIN RADIUS: 0.213

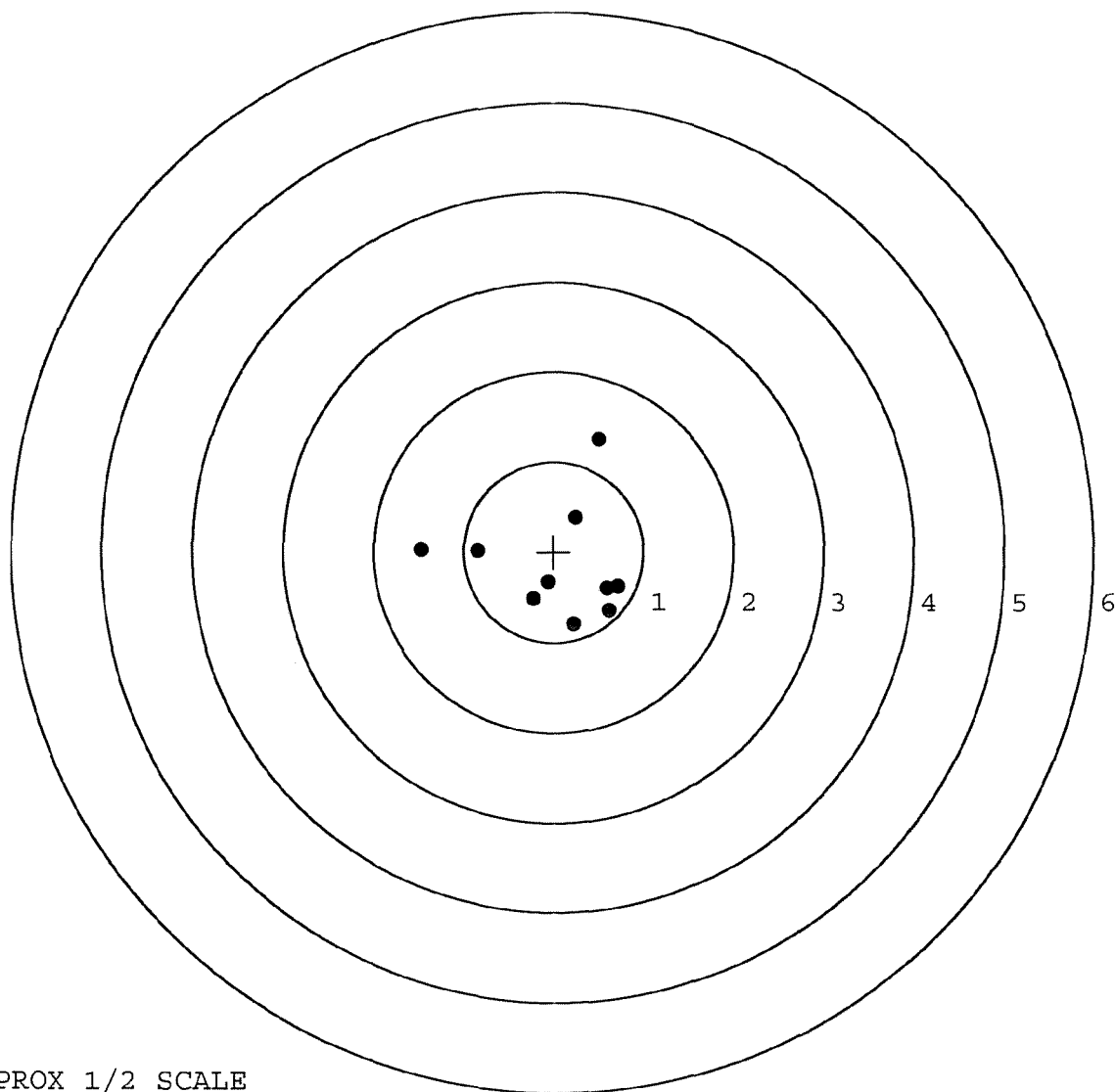
MAX RADIUS: 1.508

MEAN RADIUS: 0.792

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 9

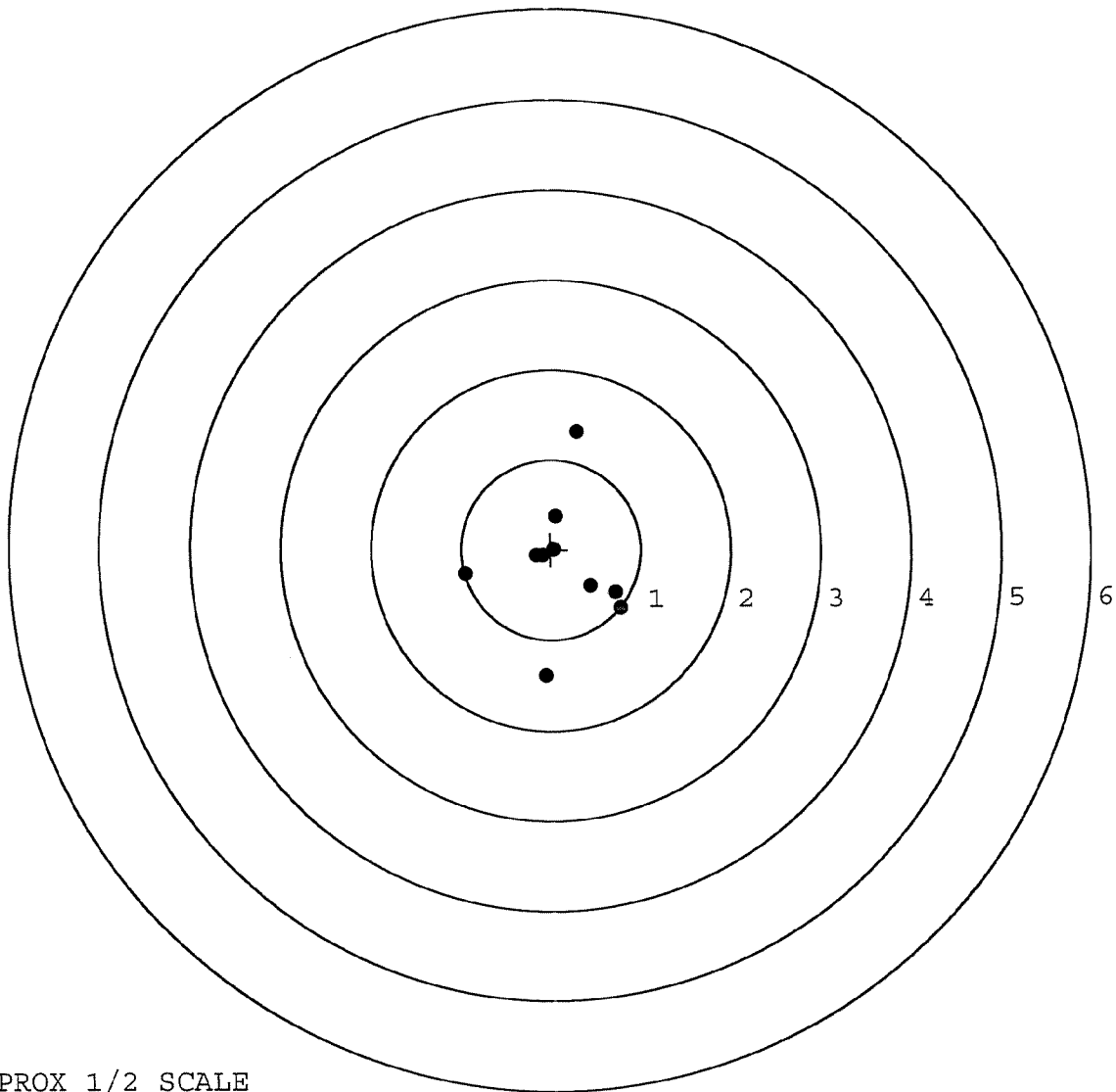


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6695380. __0
TARGET NUMBER: 2
FILE DATE: 04/14/2009
FILE TIME: 05:09

POINT#	X	Y
1:	0.771	-0.656
2:	0.717	-0.481
3:	0.435	-0.407
4:	-0.071	-1.406
5:	-0.956	-0.267
6:	-0.095	-0.073
7:	0.029	-0.006
8:	-0.170	-0.070
9:	0.056	0.368
10:	0.298	1.308

X CENTROID: 0.101
Y CENTROID: -0.169
POA TO CENTROID: 0.197
HORZ SPREAD: 1.727
VERT SPREAD: 2.714
GROUP SPREAD: 2.739
MIN RADIUS: 0.178
MAX RADIUS: 1.490
MEAN RADIUS: 0.695
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 7
in 3 IN DIAMETER: 10

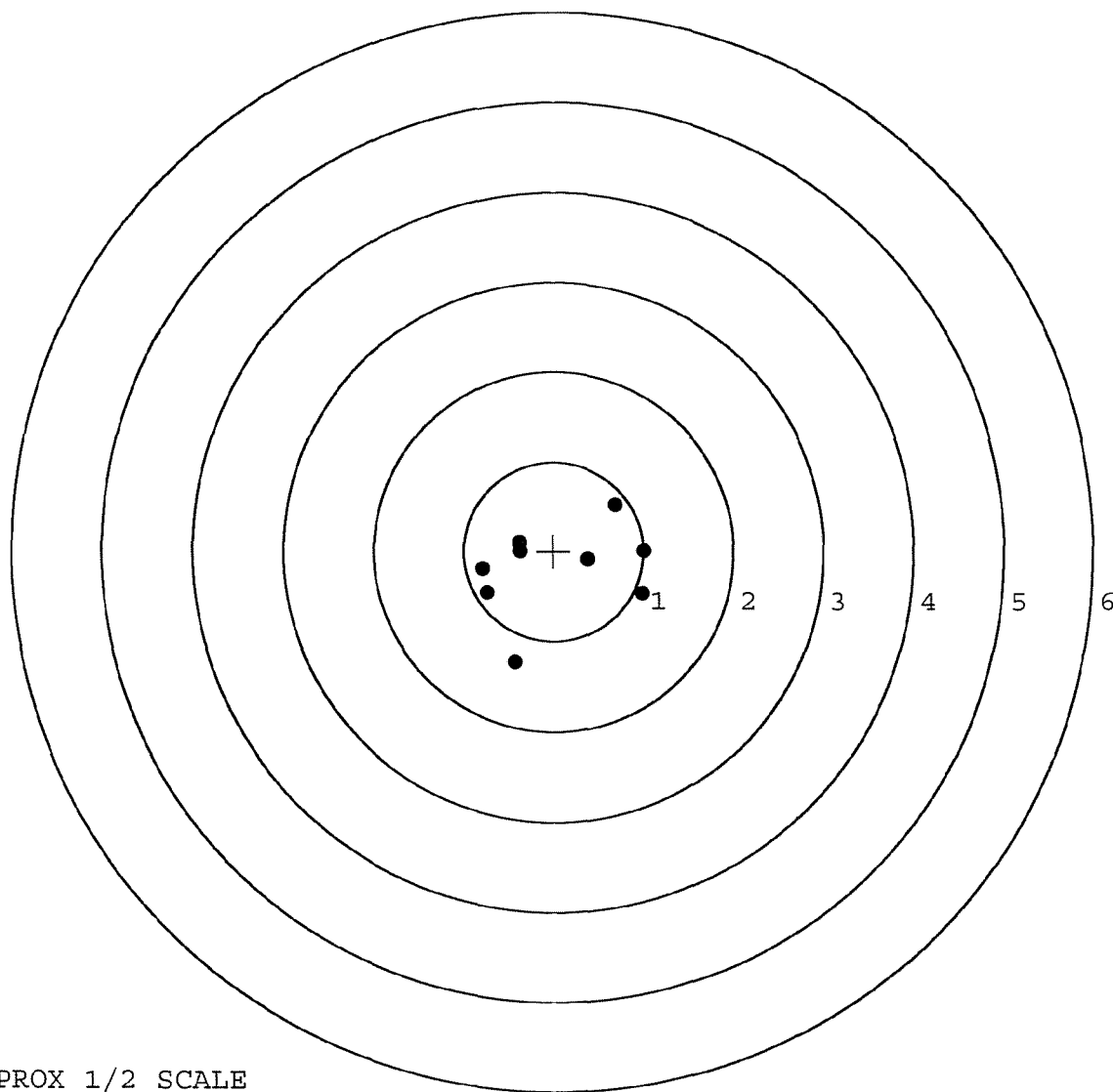


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6695380. __0
TARGET NUMBER: 3
FILE DATE: 04/14/2009
FILE TIME: 05:09

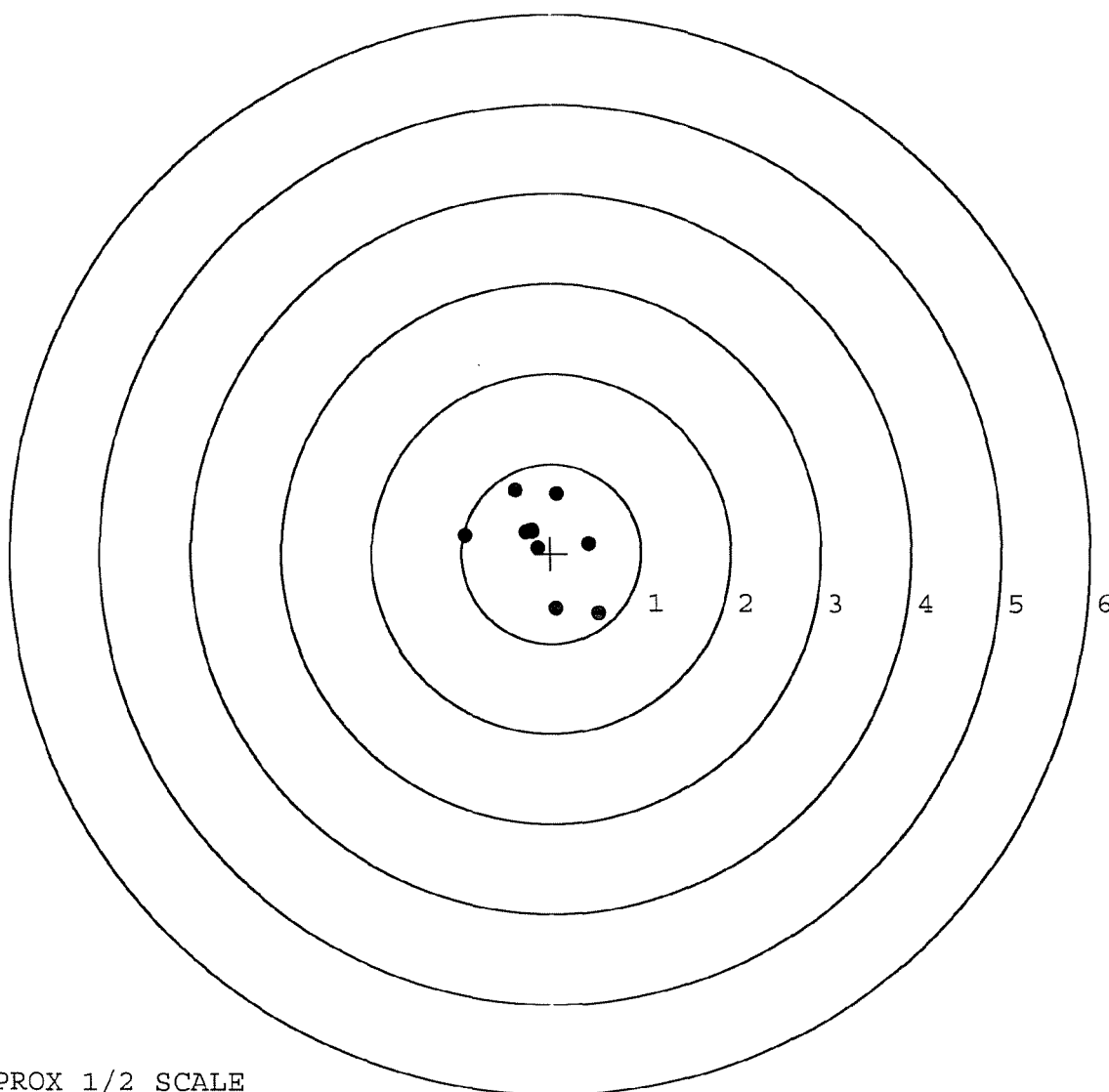
POINT#	X	Y
1:	-0.427	-1.238
2:	-0.741	-0.463
3:	-0.789	-0.200
4:	-0.379	0.097
5:	0.990	-0.471
6:	1.007	0.010
7:	0.388	-0.087
8:	0.693	0.520
9:	0.384	-0.092
10:	-0.373	-0.001

X CENTROID: 0.075
Y CENTROID: -0.192
POA TO CENTROID: 0.207
HORZ SPREAD: 1.796
VERT SPREAD: 1.758
GROUP SPREAD: 2.084
MIN RADIUS: 0.325
MAX RADIUS: 1.160
MEAN RADIUS: 0.742
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6695380. __0	POINT#	X	Y
TARGET NUMBER: 4	1:	0.420	0.117
FILE DATE: 04/14/2009	2:	-0.148	0.061
FILE TIME: 05:09	3:	-0.291	0.238
	4:	-0.402	0.703
X CENTROID: -0.117	5:	0.066	0.664
Y CENTROID: 0.121	6:	-0.964	0.200
POA TO CENTROID: 0.168	7:	-0.215	0.243
HORZ SPREAD: 1.497	8:	-0.221	0.265
VERT SPREAD: 1.367	9:	0.533	-0.664
GROUP SPREAD: 1.728	10:	0.056	-0.616
MIN RADIUS: 0.068			
MAX RADIUS: 1.019			
MEAN RADIUS: 0.500			
# IN 1 IN DIAMETER: 4			
# IN 2 IN DIAMETER: 9			
# in 3 IN DIAMETER: 10			



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6695380. __0

TARGET NUMBER: 5

FILE DATE: 04/14/2009

FILE TIME: 05:09

POINT#	X	Y
1:	-0.590	-1.047
2:	-0.119	-0.703
3:	-0.220	-0.487
4:	-0.283	-0.361
5:	-1.236	0.047
6:	-0.456	0.907
7:	0.107	0.774
8:	0.620	-0.047
9:	0.368	0.299
10:	0.657	-0.252

X CENTROID: -0.115

Y CENTROID: -0.087

POA TO CENTROID: 0.144

HORZ SPREAD: 1.893

VERT SPREAD: 1.954

GROUP SPREAD: 1.916

MIN RADIUS: 0.321

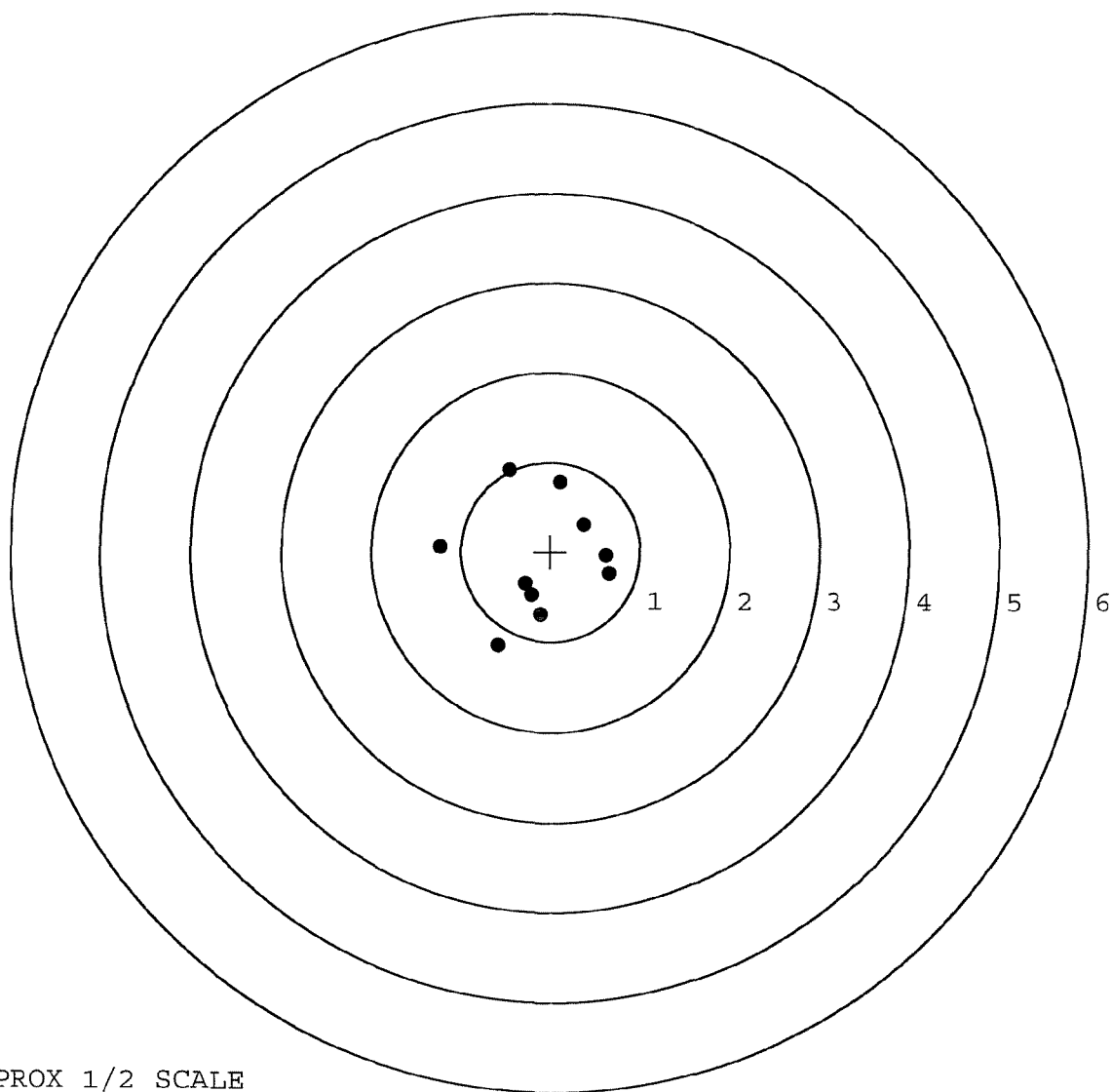
MAX RADIUS: 1.129

MEAN RADIUS: 0.763

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

INTERCHANGEABILITY

M-24

CONTRACT # DAAA21-87-C-0086

SCOPE #

1270

GUN SERIAL #

C6225084

OP. #	OP. NAME	READINGS	DATE	INITIAL
575 & 580	Assemble Action and Stock	QUALITY AUDIT	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	RW
	Magnaflux Bolt		9/22/88	RW
615	Rollmark Caliber		10/1/88	WC
617	Drill and Tap Sight Holes		10/1/88	FB
618	Polish Barrel		10/1/88	WT
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		11/3/88	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11/3/88	RW
	C) Inspect Ejector Hole for Chamfer		11/3/88	RW
	D) Oil Firing Pin Ass'y		11/3/88	RW
	E) Adjust Trigger Pull to Min Setting and Stake		3/10/88	JS

op. #	OP. NAME	READINGS			DATE	INITIAL	
625 cont.	F) Safety On Force	5	5.	5	4/11/88	JS	
	G) Safety Off Force	3.5	3.5	3.5	4/11/88	JS	
	H) Trigger Pull Test & Retainability				3/11/88	JS	
	I) Firing Pin Indent	.020	.0205	.020	4/11/88	JS	
	J) Assemble Stock				11/14/88	RW	
	K) Assemble Swivel Studs				1/Dec 88	JS	
	L) Attach Front and Rear Sight Assemblies				11/16/88	RW	
	M) Iron Sight Alignment				11/16/88	RW	
	N) Detach Front & Rear Sights & place in numbered container				11/16/88	RW	
	O) Attach Scope to Rifle				11/14/88	WCB	
	P) Detach & Attach Scope 20 Times				11/16/88	WCB	
640	Gallery Target & Test	73R	80L		11/17/88	AC	
	A) Time						
	B) Malfunctions						
	C) Pierced Primers						
	D) Optical Clarity of Scope				11/17/88	JS	
645	Inspect for Live Ammo				11/17/88	JS	
655	Final Inspection				1/Dec 88	JS	
	A) Headspace				1/Dec 88	JS	
	B) Trigger Pull	2.64	2.64	2.65	2.64	2.69	1/Dec 88
	C) Function				1/Dec 88	JS	
660	Pack				12/10/88	RW	

SWS TRIGGER PULL TEST

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

SERIAL NO. C6225084
DATE 3/NOV 88
TESTER JUL + LIS

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.41	2.20	2.33	2.64	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.35	2.21	2.29	2.64	
PULL #3	2.35	2.20	2.25	2.65	
PULL #4	2.32	2.18	2.27	2.64	
PULL #5	2.33	2.29	2.25	2.69	
TOTAL	11.76	11.08	11.39	13.26	
AVG.	2.352	2.216	2.278	2.652	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.34	3.28		
PULL #2	3.29	3.29		
PULL #3	3.30	3.30		
PULL #4	3.32	3.19		
PULL #5	3.10	3.31		
TOTAL	16.35	16.37		
AVG.	3.27	3.274		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.30	4.27		4.25
PULL #2	4.27	4.26		4.23
PULL #3	4.23	4.22		4.22
PULL #4	4.26	4.10		4.20
PULL #5	4.28	4.25		4.26
TOTAL	21.34	21.30		21.16
AVG.	4.268	4.26		4.232

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225084

CENTROIDAL DISTANCES

0 TO	1	.977902
1 TO	2	.852913
1 TO	3	.987492
1 TO	4	.366776
1 TO	5	.248516

+ 3² (----POA

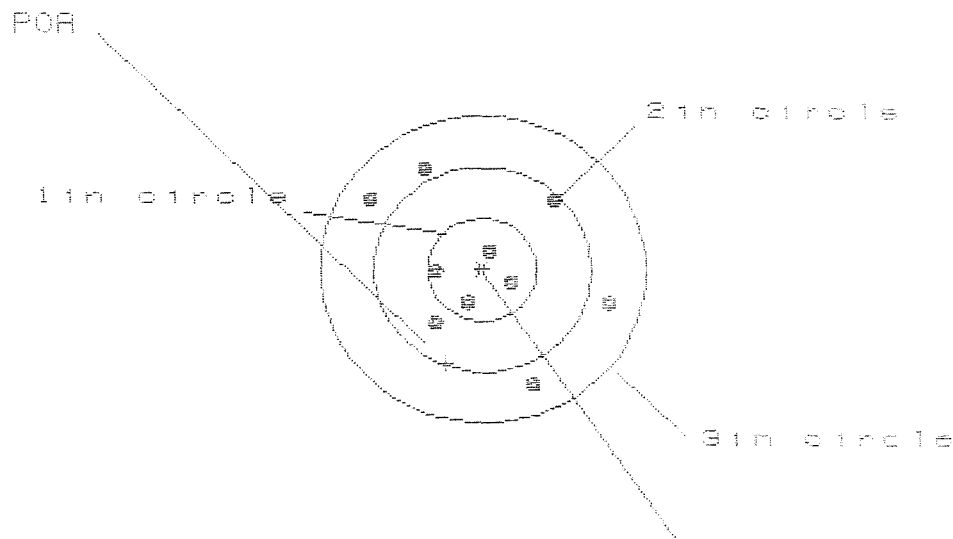
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .5652
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .5036
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .75701

THE AMR FOR THIS RIFLE IS: 1.144

28 Nov 1988

FILE: \PATTERNING\CENTERFIRE_PATT\08225084

CENTERFIRE PATTERNS # 1



OF SHOTS = 10

IN CIR

1in = 4

2in = 6

3in = 10

HE = 2.221

VS = 2.016

GS = 2.440

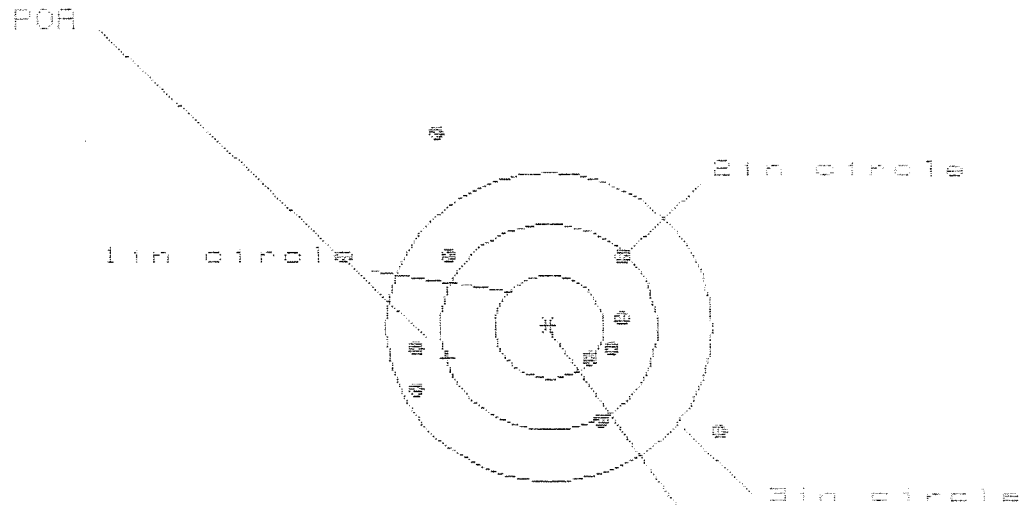
CENTROID *

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.156	1.037	.721
MINIMUM X	:	-1.065	-.664	-.534
MAXIMUM Y	:	.934	1.010	.978
MINIMUM Y	:	-1.082	-1.006	-1.039
CENTROID X	:	.337	.456	.326
CENTROID Y	:	.918	.842	.874
POR TO CENTROID in.	:	.978	.957	.933
MIN RADIUS	:	.158	.188	.201
MEAN RADIUS	:	.770	.708	.652
MAX RADIUS	:	1.264	1.208	1.122
HORIZONTAL SPREAD	:	2.221	1.701	1.255
VERTICAL SPREAD	:	2.016	2.016	2.016
EXTREME SPREAD	:	2.440	2.232	2.232
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

28 Nov 1988

FILE:/PATTERNING/CENTERFIRE_PATT/05225084

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 0

2 in = 4

3 in = 8

HS = 2.748

VS = 2.855

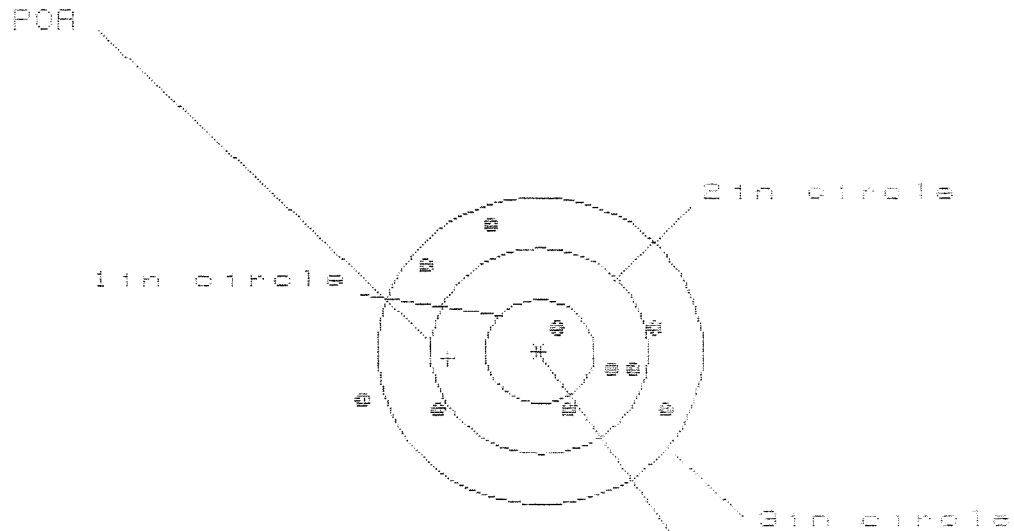
GS = 3.859

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.543	1.426	.760
MINIMUM X	:	-1.205	-1.322	-1.144
MAXIMUM Y	:	1.850	.934	.804
MINIMUM Y	:	-1.005	-.800	-.817
CENTROID X	:	.929	1.046	.868
CENTROID Y	:	.304	.099	.199
POR TO CENTROID in.	:	.978	1.051	.891
MIN RADIUS	:	.500	.280	.484
MEAN RADIUS	:	1.152	.996	.945
MAX RADIUS	:	2.129	1.635	1.254
HORIZONTAL SPREAD	:	2.748	2.748	1.904
VERTICAL SPREAD	:	2.855	1.734	1.651
EXTREME SPREAD	:	3.859	2.999	2.293
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		8	

28 Nov 1988

FILE:/PATTERNING/CENTERFIRE_PATT/08225004

CENTERFIRE PATTERNS # 3



OF SHOTS = 10

IN CIR

1in = 1

2in = 4

3in = 9

HS = 2.828

VS = 1.754

GS = 2.828

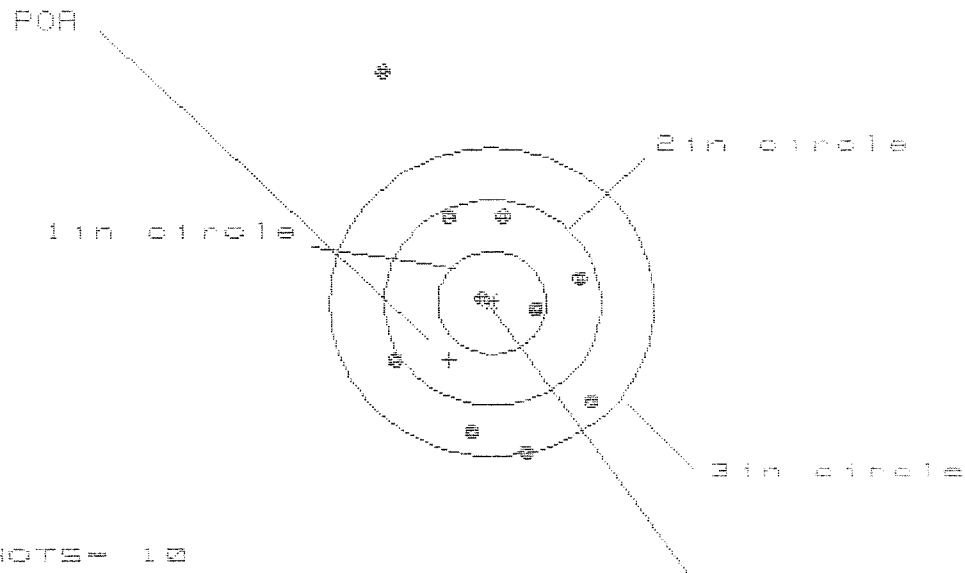
CENTROID *

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.197	1.015	.857
MINIMUM X	:	-1.631	-1.266	-1.283
MAXIMUM Y	:	1.195	1.143	1.240
MINIMUM Y	:	-.558	-.611	-.514
CENTROID X	:	.843	1.025	1.183
CENTROID Y	:	.070	.122	.025
POR TO CENTROID in.	:	.846	1.032	1.183
MIN RADIUS	:	.228	.164	.335
MEAN RADIUS	:	1.025	.910	.798
MAX RADIUS	:	1.698	1.482	1.487
HORIZONTAL SPREAD	:	2.828	2.281	2.140
VERTICAL SPREAD	:	1.754	1.754	1.754
EXTREME SPREAD	:	2.829	2.664	2.424
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		9	

28 Nov 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6225004

CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1in = 2

2in = 5

3in = 9

HS= 1.897

VS= 3.752

GS= 3.958

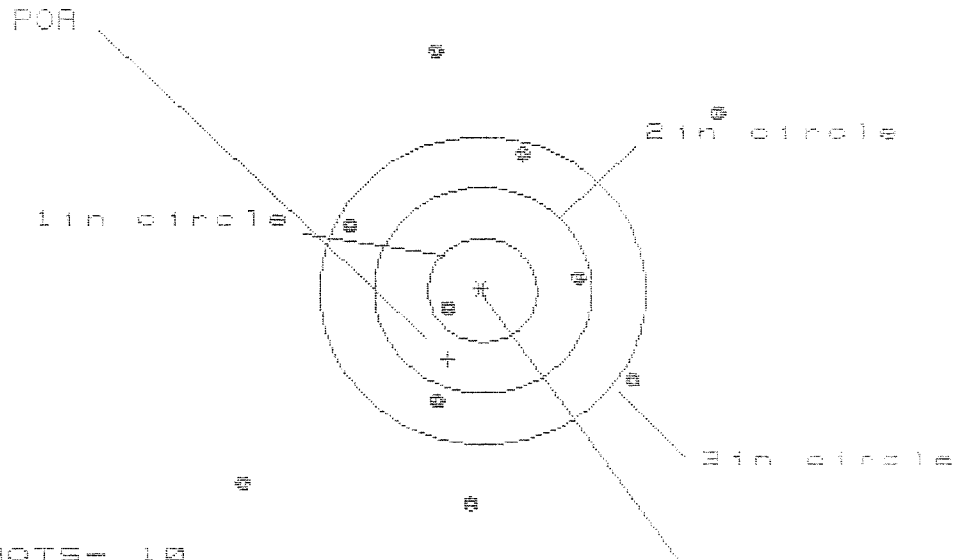
CENTROID *

PATTERN #	4		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.925	.817	.869
MINIMUM X	-.972	-1.027	-1.005
MAXIMUM Y	2.288	1.099	.948
MINIMUM Y	-1.464	-1.209	-1.109
CENTROID X	.396	.504	.482
CENTROID Y	.556	.301	.452
POA TO CENTROID in.	.682	.587	.661
MIN RADIUS	.142	.373	.263
MEAN RADIUS	1.085	.922	.861
MAX RADIUS	2.486	1.223	1.180
HORIZONTAL SPREAD	1.897	1.844	1.844
VERTICAL SPREAD	3.752	2.308	2.056
EXTREME SPREAD	3.958	2.412	2.226
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		9	

28 Nov 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C8225084

CENTERFIRE PATTERNS # 5



OF SHOTS - 10

IN CIR

1 in = 1

2 in = 2

3 in = 5

HS = 4.415

VS = 4.328

GS = 5.782

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	2.155	1.984	1.367
MINIMUM X	:	-2.261	-1.459	-1.221
MAXIMUM Y	:	2.383	2.093	2.288
MINIMUM Y	:	-2.025	-2.235	-2.047
CENTROID X	:	.321	.572	.334
CENTROID Y	:	.670	.880	.693
POA TO CENTROID in.	:	.743	1.050	.769
MIN RADIUS	:	.371	.617	.393
MEAN RADIUS	:	1.687	1.543	1.398
MAX RADIUS	:	2.949	2.425	2.330
HORIZONTAL SPREAD	:	4.416	3.363	2.588
VERTICAL SPREAD	:	4.328	4.328	4.328
EXTREME SPREAD	:	5.782	4.367	4.343
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		2	
NUMBER IN THREE INCH CIRCLE	=		5	

INTERCHANGEABILITY

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225084

CENTROIDAL DISTANCES

0 TO	1	.674866
1 TO	2	.381725
1 TO	3	.261174
1 TO	4	.202237
1 TO	5	.49492

$\frac{t_5}{d_f}$ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1992
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.4108
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .456549

THE AMR FOR THIS RIFLE IS: .9996

INTERCHANGEABILITY

13 Dec 1988

FILE:/PATTERNING/CENTERFIRE_PATT/06225004.1

CENTERFIRE PATTERNS

1

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS = 10

IN CIR

1 in = 0

2 in = 4

3 in = 7

HE = 2.841

VS = 3.343

GS = 3.898

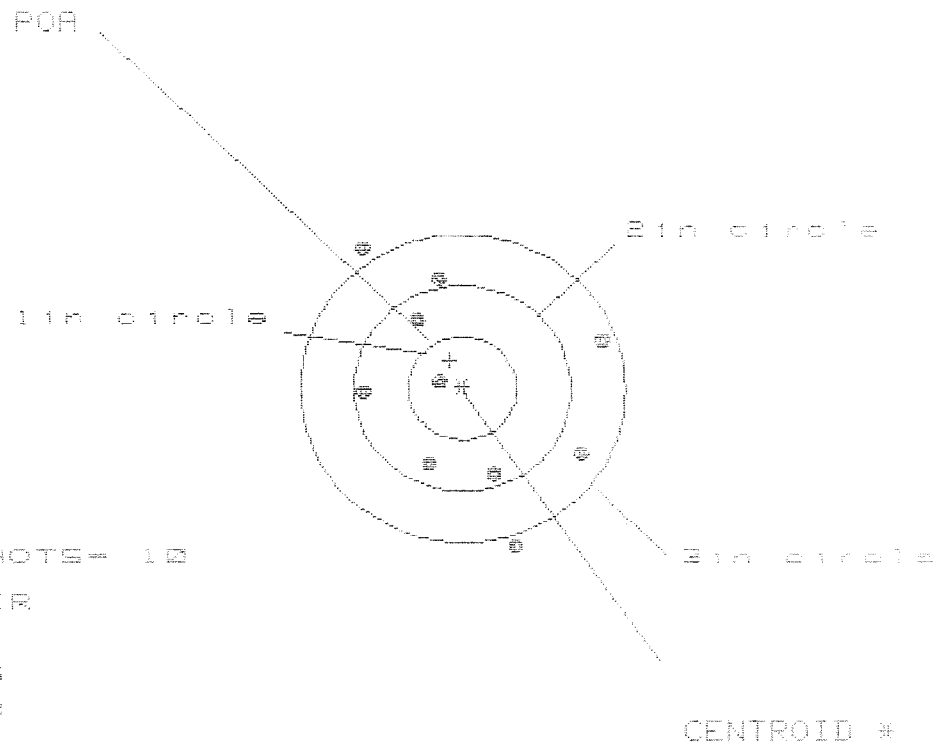
PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.808	.582	.648
MINIMUM X	-2.033	-.979	.913
MAXIMUM Y	1.640	1.479	1.246
MINIMUM Y	-1.703	-1.864	-1.483
CENTROID X	.220	.446	.380
CENTROID Y	-.609	-.477	-.244
POA TO CENTROID in.	.675	.653	.452
MIN RADIUS	.535	.474	.532
MEAN RADIUS	1.272	1.102	.961
MAX RADIUS	2.497	1.937	1.545
HORIZONTAL SPREAD	2.841	1.561	1.561
VERTICAL SPREAD	3.343	3.343	2.649
EXTREME SPREAD	3.898	3.368	2.689
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	7		

INTERCHANGEABILITY

13 Dec 1988

FILE:/PATTERNING/CENTERFIRE_PATT/08225084.1

CENTERFIRE PATTERNS # 2



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 5

3 in = 8

HS = 2.246

VS = 2.896

GS = 3.194

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.293	1.192	1.234
MINIMUM X	:	-1.953	-1.034	-1.012
MAXIMUM Y	:	1.393	1.285	1.037
MINIMUM Y	:	-1.503	-1.349	-1.815
CENTROID X	:	.115	.216	.174
CENTROID Y	:	-.271	-.425	-.257
FOR TO CENTROID in.	:	.294	.477	.310
MIN RADIUS	:	.210	.387	.255
MEAN RADIUS	:	1.049	.982	.915
MAX RADIUS	:	1.663	1.390	1.319
HORIZONTAL SPREAD	:	2.246	2.246	2.246
VERTICAL SPREAD	:	2.896	2.554	1.852
EXTREME SPREAD	:	3.194	2.643	2.304
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

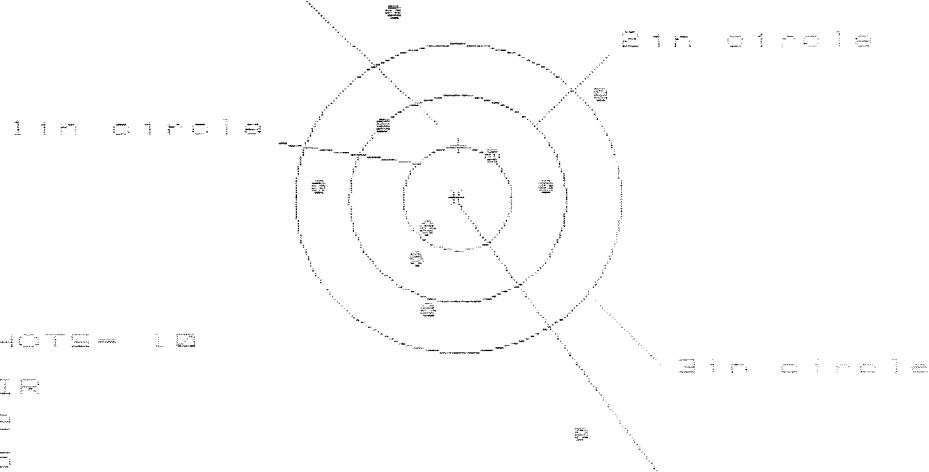
INTERCHANGEABILITY

13 Dec 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6325084.J

CENTERFIRE PATTERNS # 3

POA



OF SHOTS- 10

IN CIR

1in = 2

2in = 5

3in = 7

HS= 2.586

VS= 4.132

GS= 4.470

CENTROID *

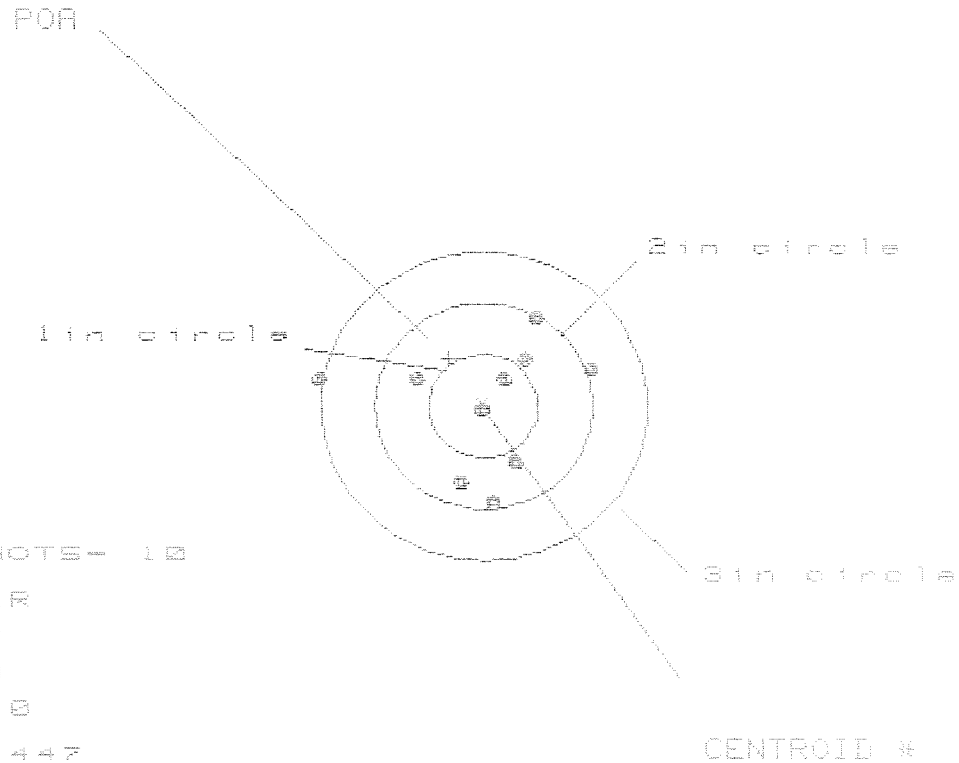
PATTERN #	3
SHOTS (BEST OF)	10
MAXIMUM X	1.290
MINIMUM X	-1.296
MAXIMUM Y	1.863
MINIMUM Y	-2.269
CENTROID X	-.014
CENTROID Y	-.522
POA TO CENTROID in.	.522
MIN RADIUS	.360
MEAN RADIUS	1.187
MAX RADIUS	2.510
HORIZONTAL SPREAD	2.586
VERTICAL SPREAD	4.132
EXTREME SPREAD	4.470
NUMBER IN ONE INCH CIRCLE =	2
NUMBER IN TWO INCH CIRCLE =	5
NUMBER IN THREE INCH CIRCLE =	7

INTERCHANGEABILITY

13 Dec 1988

FILE:/PATTERNING/CENTERFIRE_PATT/08225084.1

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 8

3 in = 10

HS= 2.447

VS= 1.822

GS= 2.448

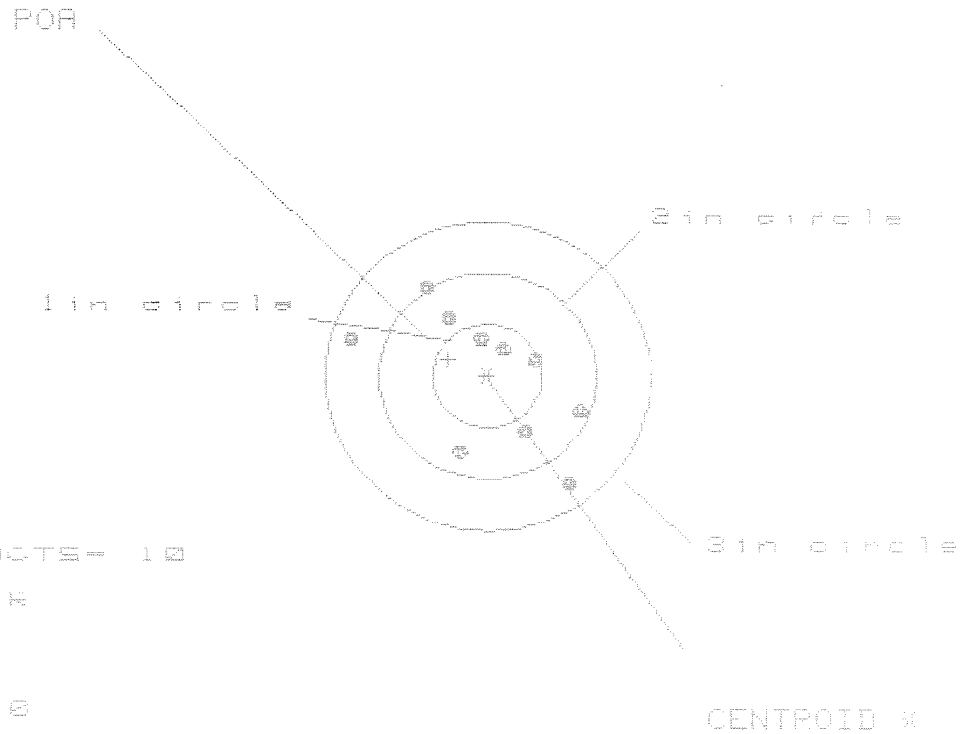
PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.976	.813	.393
MINIMUM X	-1.471	-.763	-.662
MAXIMUM Y	.862	.889	.933
MINIMUM Y	-.960	-.933	-.889
CENTROID X	.316	.479	.378
CENTROID Y	-.460	-.487	-.531
POA TO CENTROID in.	.558	.683	.651
MIN RADIUS	.093	.223	.116
MEAN RADIUS	.737	.649	.606
MAX RADIUS	1.490	.936	1.012
HORIZONTAL SPREAD	2.447	1.576	1.855
VERTICAL SPREAD	1.822	1.822	1.822
EXTREME SPREAD	2.448	1.853	1.853
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	8		
NUMBER IN THREE INCH CIRCLE =	10		

INTERCHANGEABILITY

13 Dec 1988

FILE:/PATTERNING/CENTERFIRE_PATT/08225004.1

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIRC

1in = 3

2in = 7

3in = 10

HS= 2.024

VS= 1.884

CS= 2.353

PATTERN #	5	5	5
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.795	.659	.728
MINIMUM X	-1.229	-.660	-.591
MAXIMUM Y	.877	.916	.795
MINIMUM Y	-1.007	-.968	-.886
CENTROID X	.359	.495	.426
CENTROID Y	-.163	-.202	-.081
POA TO CENTROID in.	.394	.535	.433
MIN RADIUS	.325	.314	.220
MEAN RADIUS	.753	.680	.604
MAX RADIUS	1.277	1.129	.990
HORIZONTAL SPREAD	2.024	1.319	1.319
VERTICAL SPREAD	1.884	1.084	1.501
EXTREME SPREAD	2.353	2.243	1.907
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	10		

RECEIVING AND ESTIMATING REPORT

COMMENTS

ORDER
R 94-11513

INITIAL FPS	CUSTOMER ORDER NO.		ATTN: FRED MARTIN M24 W/ULTRA 10X-M3A SCOPE #1270			
DATE RECEIVED 03/30/94	DATE OPENED 03/31/94	DATE CODE DI 9-88	SERIAL NUMBER C6225084	NEW SERIAL NUMBER	MODEL AND GRADE 700 7.62 NATO	
ACCESSORIES SLING STRAP		W/STUDS		W/SWIVELS	SOFT CASE	SCOPE MNTS
W/SCOPE BASE						

FROM:

SHIP TO:

COMMANDER
HHC 1/506 IN
UNIT #15147
APO AF

CA 96251-0394

COMMANDER
HHC 1/506 IN
UNIT #15147
APO AF

CA
96251-0394

CUST NO: 095193 CLO.D

ACCOUNT NUMBER	ACCOUNT NUMBER N/C	WRITE ☐	PROM. DATE	ESTIMATED	VIA UPS
GUN CONDITION ☐ NEW ☐ LIGHTLY WORN ☐ WORN ☐ VERY WORN ☐ UNREPAIRABLE ☐ MARRED			REPAIR CHARGE EXCISE TAX INSURANCE UPS PARCEL POST TOTAL		

CUSTOMER CONCERN	AMMO	FUNCTION	FINISH	ACCURACY	FIT	INSPECT
CYCLE	A1	B1				
TRIGGER GROUP		B2			E1	F1
BOLT ASSY.		B3			E2	F2
BARREL ASSY.		B4		D1	E3	F3
REC. ASSY.		B5		D2	E4	F4
WOOD			C1	D3	E5	F5
METAL			C2			

MAIN FAULT

Bolt Stop Release Broken Sling Damaged
Carrying Case Zipper Broken, 1 Front Swivel Missing

PARTS

COMMENTS

Barrel - 96003
Carrying Case - 96026

Re-Zinc - Scope Base Scope
Rings Swivels & Swivel Studs
Replunder Coat - Floor plate, latch,
Trigger Guard, Front & Rear
Sight Bases!

W52H09 4074 H226	REPAIRMAN RW	PROOF ✓	CLEAN ✓	TEST ✓	TARGET ✓	PATTERN
	GALLERY TESTER RW	DATE 4/4/94	DATE 5/2/94	DATE 5/3/94	DATE 5/3/94	DATE

OFFICE COPY

RD6925 REV. 1/94

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

M2400180151

Final Inspection

In: C6225084 DATE REC'D: 3/30/94 DATE RET'D: 5/4/94
 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: _____

<u>QTY</u>	<u>ITEM</u>
1	M24 SWS SN:C6225084
1	SOFT CASE
1	TM 9-1005-306-10
1	MEMORANDUM
1	COPY 2-5 of DA Form 5504

~~SECRET~~
LEONARD H. MATZ, JR.
CPT, IN
BATTALION ADJUTANT

COMMANDER

HHC 1/506 IN

UNIT # 15147

CAMP GREAVES, KOREA

APO AP 96251-0394

ADDRESS
verse side?

United States Postal Service			No. 853566	
FROM Expéditeur Commander HAC, Y506 IN Unit # 15147 APO AP 96251-0394			Sender's Instructions if parcel is undeliverable: Dispositions de l'expéditeur En cas de non-livraison ☒ Return to sender Renvoyer à l'origine (NOTE: Parcel will be returned by surface and at sender's expense.) ☐ Forward to: Réexpédié à ☐ Abandon Abandonné	
TO Destinataire Remington Arms, Co. 14 Hoefler Ave Ilion, NY. 13357				
QTY.	Itemized List of Contents Please Print	VALUE (US \$)		
1	M24 SN: C6225084	5450.00		
1	Soft Case			
1	TM 9-1005-306-10			
1	Memorandum			
1	Copy 2-5 of DA Form 5504			
Signature of Sender <i>[Signature]</i>			Date 23 MAR 94	
Insured No. / Numéro d'assurance R 425 026 042			Weight/Poids 34 lbs. 4 ozs.	
Insured Amount (US\$) \$5,450.00		Gold Francs —	SDR/DTS —	Postage \$47.35

PS Form 2936-A, June 1986
C2/CP3

Parcel Post Customs Declaration
Colis de Poste Déclaration en Douane

DEPARTMENT OF THE ARMY
HHC, 1st Battalion, 506th Infantry (CURRAHEE)
Unit # 15144
APO AP 96215-8125

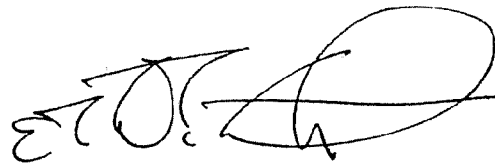
EAID-IA-HC

16 March 1994

MEMORANDUM FOR: PERSONNEL CONCERNED

SUBJECT: M-24 SNIPER WEAPON SYSTEM (SWS) WARRANTEE REPAIR

1. THE ENCLOSED M24 SWS, SERIAL NUMBER C622S084, IS BEING SENT TO YOU FOR REPAIR. THE DEFICIENCIES ARE NOTED OF THE ENCLOSED DA FORM 5504. THE FOLLOWING ITEMS ARE NO LONGER ON HAND HERE AT THE UNIT, PREVENTING US FROM SHIPPING THEM ALONG WITH THE WEAPON: DEPLOYMENT CASE, DAY OPTIC SIGHT CASE AND DEPLOYMENT KIT.
2. POC: 1LT DOVALE, EXECUTIVE OFFICER. DUTY PHONE: 734-8127



MAX L. KUHNS, JR
CPT, IN
COMMANDING

ENCLOSURES:

M24 SNIPER WEAPON SYSTEM WITH DAY OPTIC SIGHT SCOPE
SOFT CASE
TM 9-1005-306-10 (JUNE 1989)
DA FORM 5504 COPY 2-4
MEMORANDUM FROM COMMANDER, HHC, 1/506 IN

SHIPPED 12/88

MAINTENANCE REQUEST				PAGE 1 OF 1		REQUIREMENTS CONTROL SYMBOL CSGLD - 1047		CONTROL NUMBER		
For use of this form, see DA PAM 738-750, the proponent agency is DCSLOG										
SECTION I - CUSTOMER DATA					SECTION II - MAINTENANCE ACTIVITY DATA					
1a. WORK ORDER NO. WJANJITIOHHC, 7506 IN		b. CUSTOMER UNIT NAME 734-8127		c. PHONE NO. X95080		3a. WORK ORDER NO (WON) SA		b. SHOP 730-5371		
2. If Intransit Customer, enter data in Blocks 2a and 2b		2a. SAMS-2 UIC		b. UTILIZATION CODE		4a. UIC SUPPORT WJANJITIO		b. SUPPORT UNIT NAME 2ND FSB - B Company		
SECTION III - EQUIPMENT DATA										
5. ID WR		6. NSN 1005011240211316		15. FAILURE DETECTED DURING (Select one - use / or X)						
7. TYPE MNT. REQ. CODE WR		8. MODEL M24		☐ A Sch. Main.		☐ C Test		☐ E Storage		
				☐ B Handling		☐ D Normal Op		☒ F Inspection		
								☐ G Flight		
								☐ H Other		
								☐ I Calibration		
9. NOUN SNIPER WEAPON SYSTEM					16a. MILES/KILOMETERS (Enter or X)		b. HOURS		c. ROUNDS	
10a. ORG WON AJJITIO1141054119					b. EIC		d. LANDINGS		e. AUTO ROTATIONS	
11. SERIAL NUMBER C6212151084					b. QTY. 1001		13. PD 012		17. PROJ. CODE (If Assigned)	
24. Describe Deficiencies or Symptoms on the basis of Complete Checkout and Diagnostic Procedure in Equipment TM (Do not prescribe repairs.) (1) Bolt Stop Release Broken (4) Front Swivel (1) (2) Sling Damaged (3) Carrying Case Zipper Broken					19. IN WARRANTY? (Y or N) Y		20. LEVEL OF WORK (Select one - use / or X)		18. ACCT. PROCESSING CODE	
					☐ O Unit Level		☐ H Intermediate General Spt.		☒ I Special Repair Activity	
					☐ F Immediate Direct Spt.		☐ D Depot			
					21. BUMPER NO./TAIL NO.		22. REIMBURSABLE CUSTOMER? (If Intransit Customer, enter Y or N)			
					23. PD AUTHENTICATION SIGNATURE (Payroll Signature) <i>[Signature]</i>					
SECTION IV - REPORTABLE DATA										
25a. STA	b. ORD DATE	c. MIL TIME	a. STA	b. ORD DATE	c. MIL TIME	26. TECHNICAL REFERENCES				
SECTION V - TASK REQUIREMENTS DATA										
27a. FILE IN-PUT CD.	b. TASK NO.	c. ACT. RQD.	d. TASK DESCRIPTION			e. QTY. TO BE RPR	f. WORK CENTER	g. FAILURE CODE	h. MH RMN/PROJ	
SECTION VI - PART REQUIREMENTS										
28a. FILE IN-PUT CD.	b. TASK NO.	c. ID	d. RQD NSN OR PART NO.			e. SFX CD	f. QTY. REQUIRED	g. QTY. ISSUED	h. NM CS	
SECTION VII - COMPLETION DATA										
29. QTY. RPR		30. QTY. CONDEMN.		31. QTY. NRTS		32. EVAC WON		33. EVAC UNIT NAME		
SECTION VIII - ACTION SIGNATURES										
34a. SUBMITTED BY		35a. ACCEPTED BY		36a. WORK STARTED BY		37a. INSPECTED BY		38a. PICKED UP BY		
b. ORD DATE	b. ST	c. ORD DATE	d. MIL TIME	b. ST	c. ORD DATE	d. MIL TIME	b. ST	c. ORD DATE	d. MIL TIME	
94075										

DA FORM 5504, SEP 88

DA FORM 5504, APR 87 MAY BE USED

COPY 2

-W52H094074H226

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

M2400180158

CONTRACT # DAAA21-87-C-0086

New Barrel

GUN SERIAL # C6225084

OP. #	OP. NAME	READINGS	DATE	INITIAL
575 & 580	Assemble Action and Stock		4/4/94	RW
600	Proof		4/4/94	RW
607	Check Headspace		4/4/94	RW
610	Dis-assemble Gun		4/4/94	RW
612	Magnaflux Barrel Action			
	Magnaflux Bolt			
615	Rollmark Caliber			
617	Drill and Tap Sight Holes			
618	Polish Barrel			
620	Apply Coatings (Barrel Action)			
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		5/2/94	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/2/94	RW
	C) Inspect Ejector Hole for Chamfer		5/2/94	RW
	D) Oil Firing Pin Ass'y		5/2/94	RW
	E) Adjust Trigger Pull to Min Setting and Stake			

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force							
	G) Safety Off Force							
	H) Trigger Pull Test & Retainability							
	I) Firing Pin Indent							
	J) Assemble Stock							
	K) Assemble Swivel Studs							
	L) Attach Front and Rear Sight Assemblies							
	M) Iron Sight Alignment							
	N) Detach Front & Rear Sights & place in numbered container							
	O) Attach Scope to Rifle							
	P) Detach & Attach Scope 20 Times							
640	Gallery Target & Test						5/3/94	RW
	A) Time							
	B) Malfunctions							
	C) Pierced Primers							
	D) Optical Clarity of Scope							
645	Inspect for Live Ammo						5/3/94	RW
655	Final Inspection						5/3/94	RW
	A) Headspace						5/3/94	RW
	B) Trigger Pull	2.10	2.33	2.43	2.46	2.45	5/3/94	RW
	C) Function						5/3/94	RW
660	Pack							

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06225084
18 May 1994

CENTROIDAL DISTANCES

0 TO	1	.104062
1 TO	2	.368828
1 TO	3	.40753
1 TO	4	.371303
1 TO	5	.289415

$\frac{3}{4.5}$ <----POA

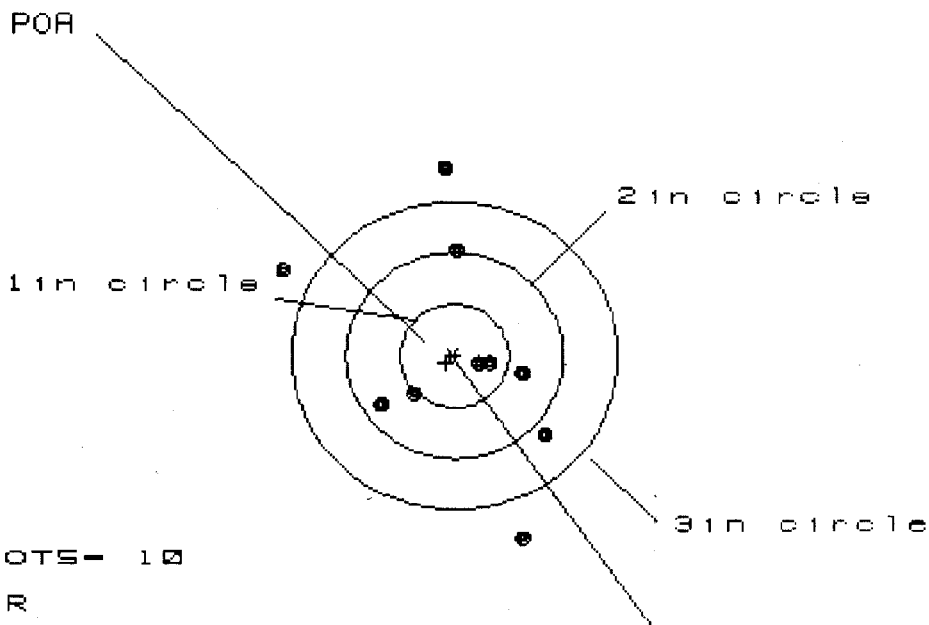
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0344
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.065
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0735416

THE AMP FOR THIS RIFLE IS: 1.148

18 May 1994

FILE:/PATTERNING/CENTERFIRE_PATT/C62250B4

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 2

2in = 5

3in = 7

HS= 2.338

VS= 3.632

GS= 3.716

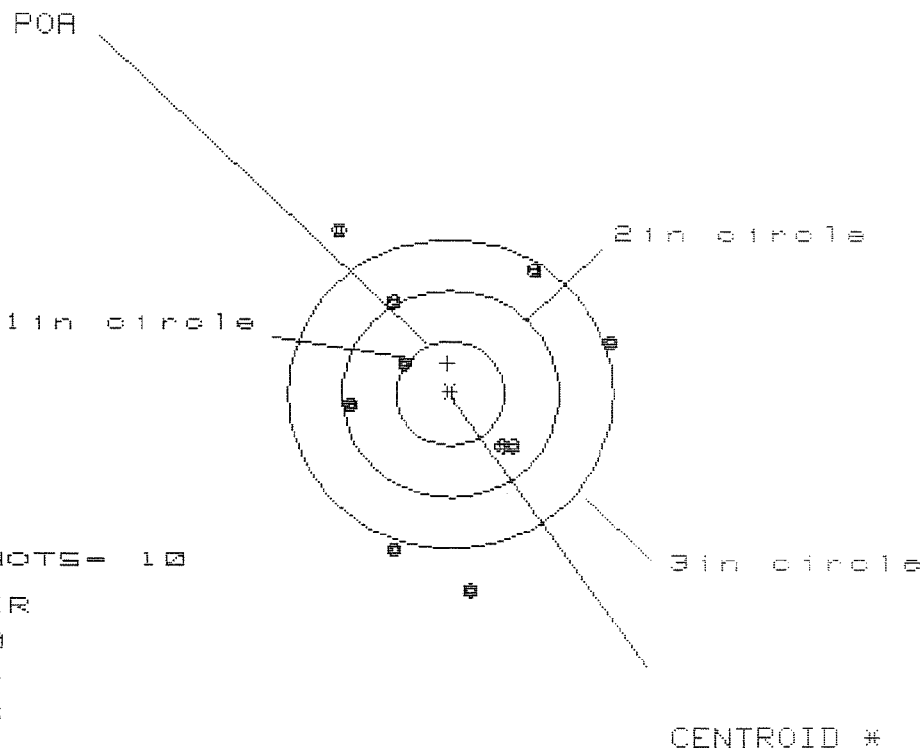
CENTROID *

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.803	.877	.872
MINIMUM X	:	-1.535	-1.461	-1.466
MAXIMUM Y	:	1.831	1.631	1.066
MINIMUM Y	:	-1.801	-.954	-.750
CENTROID X	:	.077	.003	.008
CENTROID Y	:	.070	.270	.066
POA TO CENTROID in.	:	.104	.270	.066
MIN RADIUS	:	.291	.463	.354
MEAN RADIUS	:	1.026	.960	.824
MAX RADIUS	:	1.920	1.632	1.700
HORIZONTAL SPREAD	:	2.338	2.338	2.338
VERTICAL SPREAD	:	3.632	2.585	1.816
EXTREME SPREAD	:	3.716	2.839	2.839
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		7	

18 May 1994

FILE:/PATTERNING/CENTERFIRE_PATT/06225084

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1in = 0

2in = 4

3in = 6

HS= 2.476

VS= 3.509

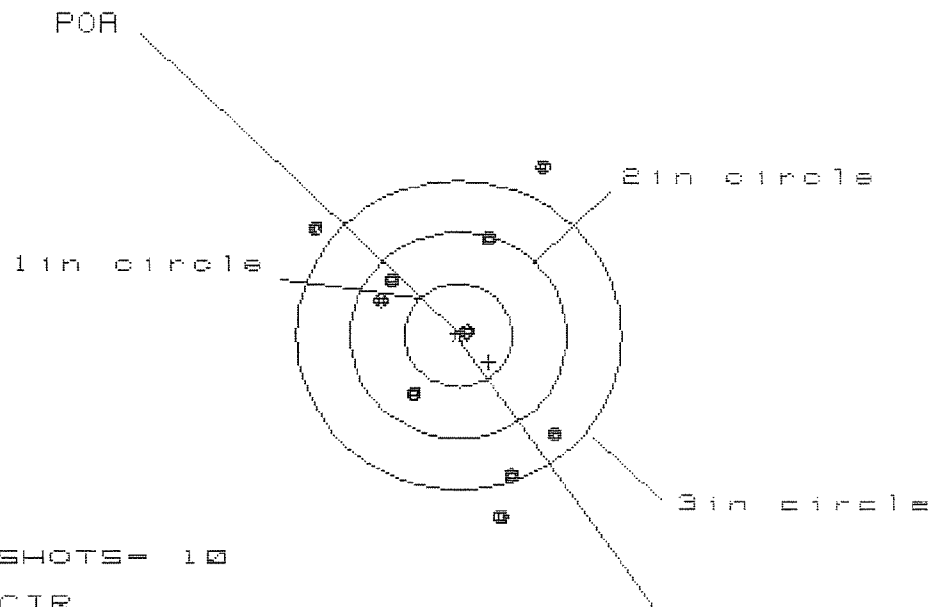
GS= 3.688

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.489	1.379	1.384
MINIMUM X	:	-1.987	-1.021	-1.016
MAXIMUM Y	:	1.631	1.403	1.191
MINIMUM Y	:	-1.878	-1.697	-1.563
CENTROID X	:	.024	.134	.129
CENTROID Y	:	-.295	-.476	-.264
POA TO CENTROID in.	:	.296	.495	.294
MIN RADIUS	:	.544	.527	.622
MEAN RADIUS	:	1.243	1.156	1.080
MAX RADIUS	:	1.906	1.697	1.701
HORIZONTAL SPREAD	:	2.476	2.400	2.400
VERTICAL SPREAD	:	3.509	3.100	2.754
EXTREME SPREAD	:	3.688	3.155	3.045
NUMBER IN ONE INCH CIRCLE	=	0		
NUMBER IN TWO INCH CIRCLE	=	4		
NUMBER IN THREE INCH CIRCLE	=	6		

18 May 1994

FILE:/PATTERNING/CENTERFIRE_PATT/C8225064

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 5

3 in = 7

HS= 2.186

VS= 3.399

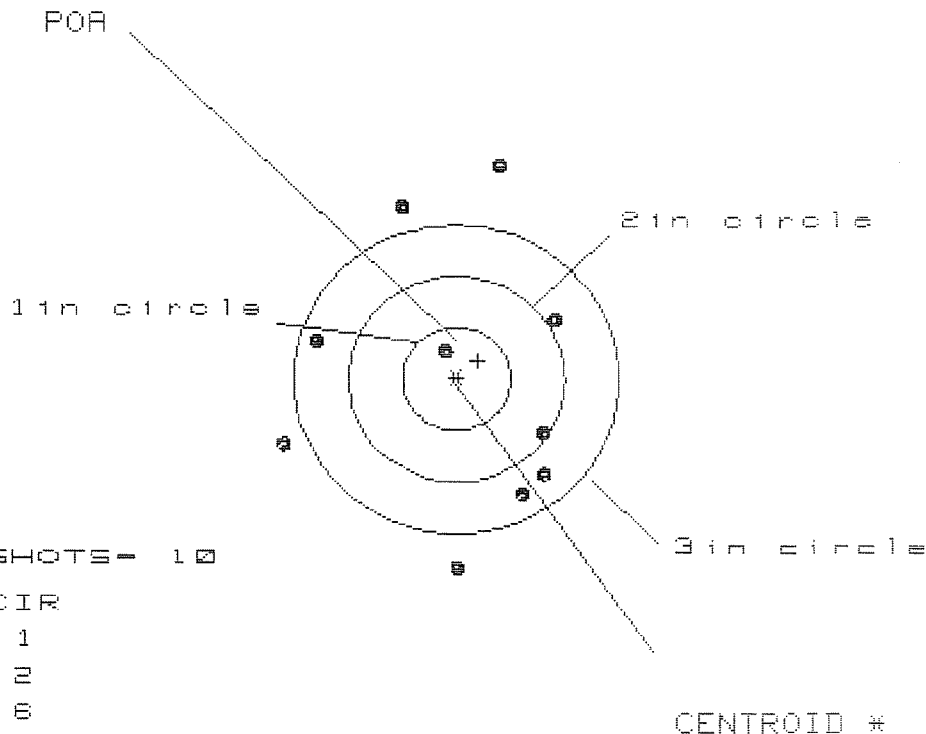
GS= 3.419

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.892	.977	1.037
MINIMUM X	:	-1.294	-1.209	-1.149
MAXIMUM Y	:	1.660	1.213	1.018
MINIMUM Y	:	-1.739	-1.554	-1.367
CENTROID X	:	-.283	-.368	-.428
CENTROID Y	:	.261	.076	.271
POA TO CENTROID in.	:	.385	.376	.506
MIN RADIUS	:	.113	.313	.233
MEAN RADIUS	:	1.129	1.054	.950
MAX RADIUS	:	1.828	1.712	1.536
HORIZONTAL SPREAD	:	2.186	2.186	2.186
VERTICAL SPREAD	:	3.399	2.767	2.386
EXTREME SPREAD	:	3.419	3.240	2.974
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		7	

18 May 1994

FILE:/PATTERNING/CENTERFIRE_PATT/062250B4

CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1in = 1

2in = 2

3in = 6

HS= 2.527

VS= 3.820

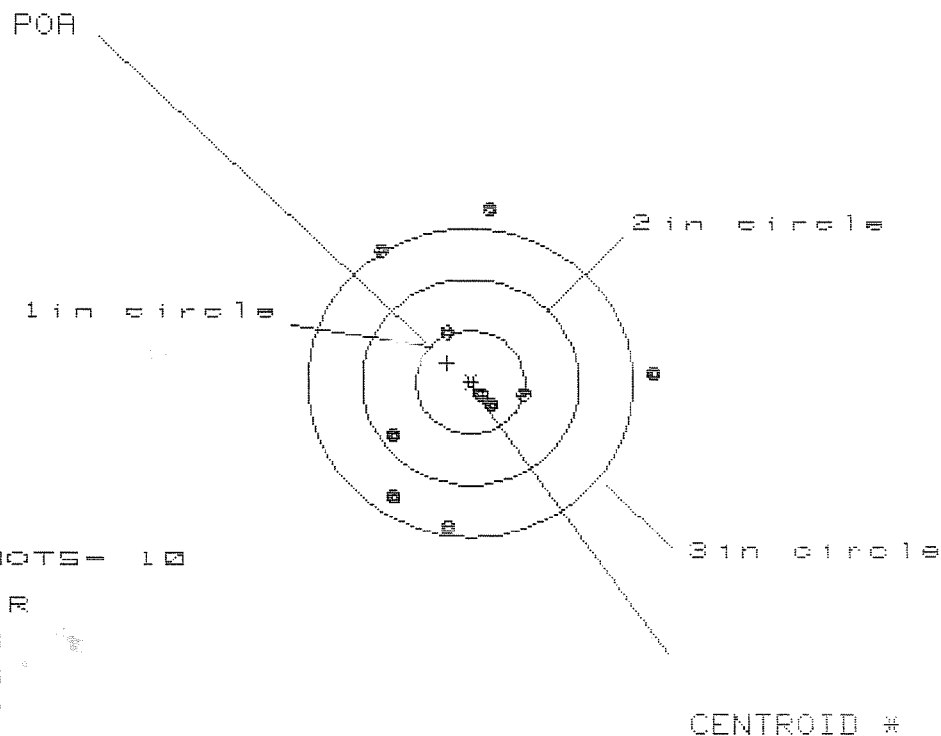
GS= 3.840

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.950	.990	.991
MINIMUM X	:	-1.577	-1.537	-1.536
MAXIMUM Y	:	2.026	1.929	1.732
MINIMUM Y	:	-1.794	-1.569	-1.138
CENTROID X	:	-.202	-.242	-.243
CENTROID Y	:	-.175	-.400	-.203
POA TO CENTROID in.	:	.267	.467	.317
MIN RADIUS	:	.320	.524	.333
MEAN RADIUS	:	1.349	1.261	1.207
MAX RADIUS	:	2.057	1.977	1.786
HORIZONTAL SPREAD	:	2.527	2.527	2.527
VERTICAL SPREAD	:	3.820	3.498	2.870
EXTREME SPREAD	:	3.840	3.526	3.059
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		2	
NUMBER IN THREE INCH CIRCLE	=		6	

18 May 1994

FILE:/PATTERNING/CENTERFIRE_PATT/C6225084

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 3

2in = 5

3in = 7

HS= 2.480

VS= 3.062

GS= 3.098

CENTROID #

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.645	1.670	.763
MINIMUM X	:	-.836	-.810	-.601
MAXIMUM Y	:	1.657	1.499	1.527
MINIMUM Y	:	-1.405	-1.221	-1.193
CENTROID X	:	.212	.186	-.023
CENTROID Y	:	-.186	-.370	-.398
POA TO CENTROID in.	:	.281	.414	.398
MIN RADIUS	:	.119	.147	.342
MEAN RADIUS	:	.991	.898	.823
MAX RADIUS	:	1.673	1.703	1.641
HORIZONTAL SPREAD	:	2.480	2.480	1.364
VERTICAL SPREAD	:	3.062	2.720	2.720
EXTREME SPREAD	:	3.098	2.789	2.785
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		7	