

G-646 1798
Replaced
C-622 5287

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: **RE00098527** Serial: C6225287 Model: M24 SWS Center Fire Caliber: 7.62 NATO Repairman: Status: Closed 7/6/2005 9:48:14 AM

Verify Repair

Address Information

Customer: ☒ Received From Return To: ☐ Received From

Name: **TRANSPORTATION OFFICE** **TRANSPORTATION OFFICE**

Address 1: **HHC 2 325TH AIR** **HHC 2 325TH AIR**

Address 2: PO Box: PO Box:

City: **FORT BRAGG** **FORT BRAGG**

State: **NC** Zip Code: **28310** Country: **US** State: **NC** Zip Code: **28310** Country: **US**

FFL: ☐ ☐ ☐ ☐ ☐ ☐ ☐

Contact / Condition Problems Estimate History / Status Shipping / Billing

Contact Information

Phone: **NA**

Fax:

Email:

Comments:

Received Condition

Fair

Condition Notes:

CSR Notes:

Accessories Received

Code	Desc	Qty
A007	With Studs	3
A010	Hard Case	1
A017	Scope Base	1
A045	Bi Pod	1
A057	Frt and Rear Sgt Base	2

Repair Search Refresh Close

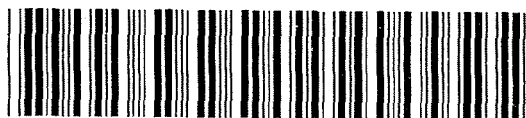
neglet 7/6/2005 9:54 AM CAPS NUM INS SCPL

start 3 5 2 Arms Service

G6461798 (New)

Serial Number: **C6225287**

Model: **M24 SWS**



RE00098527

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50 LBS (plus or minus 0.50 LBS)

3.00 LBS (plus or minus 0.75 LBS)

4.00 LBS (plus or minus 1.00 LBS)

SERIAL NO. _____

DATE 7-7-05

TESTER TRW

	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50 LBS		COMMENTS
PULL #1	2.18	2.25		2.20	
PULL #2	2.32	2.31		2.28	
PULL #3	2.36	2.76		2.13	
PULL #4	2.27	2.31		2.20	
PULL #5	2.73	2.29		2.19	
TOTAL	11.86	11.92		11.00	
AVERAGE	2.37	2.38		2.20	

	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES		COMMENTS
PULL #1	3.30	3.51		
PULL #2	3.04	3.24		
PULL #3	3.29	3.33		
PULL #4	3.33	3.54		
PULL #5	3.35	3.30		
TOTAL	16.31	16.92		
AVERAGE	3.26	3.38		

	4.00 LBS INITIAL	4.00 LBS AFTER 20 CYCLES	MAX SETTING GREATER THAN 4 LBS	RESET TO 4 LBS FOR TARGET & ACCURACY
PULL #1	4.42	4.39		4.23
PULL #2	4.26	4.04		4.05
PULL #3	4.32	4.09		4.07
PULL #4	4.50	3.99		4.11
PULL #5	4.52	4.04		4.09
TOTAL	22.02	20.55		20.55
AVERAGE	4.40	4.11		4.11

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: G6461798.__0
FILE DATE AND TIME: 08/08/2005 10:43

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.124
The Average Y Centroid of the Five Target Set:	0.017
The Average Point of Impact of the Five Target Set:	0.126
The Average Mean Radius of the Five Target Set:	0.853
The Distance from POA to Centroid Target #1:	0.660
The Distance from Centroid Target #2 to Centroid Target #1:	0.935
The Distance from Centroid Target #3 to Centroid Target #1:	0.480
The Distance from Centroid Target #4 to Centroid Target #1:	0.844
The Distance from Centroid Target #5 to Centroid Target #1:	0.704

SERIAL NUMBER: G6461798. __0

TARGET NUMBER: 1

FILE DATE: 08/08/2005

FILE TIME: 10:43

X CENTROID: -0.495

Y CENTROID: -0.438

POA TO CENTROID: 0.660

HORZ SPREAD: 2.129

VERT SPREAD: 3.192

GROUP SPREAD: 3.213

MIN RADIUS: 0.046

MAX RADIUS: 1.696

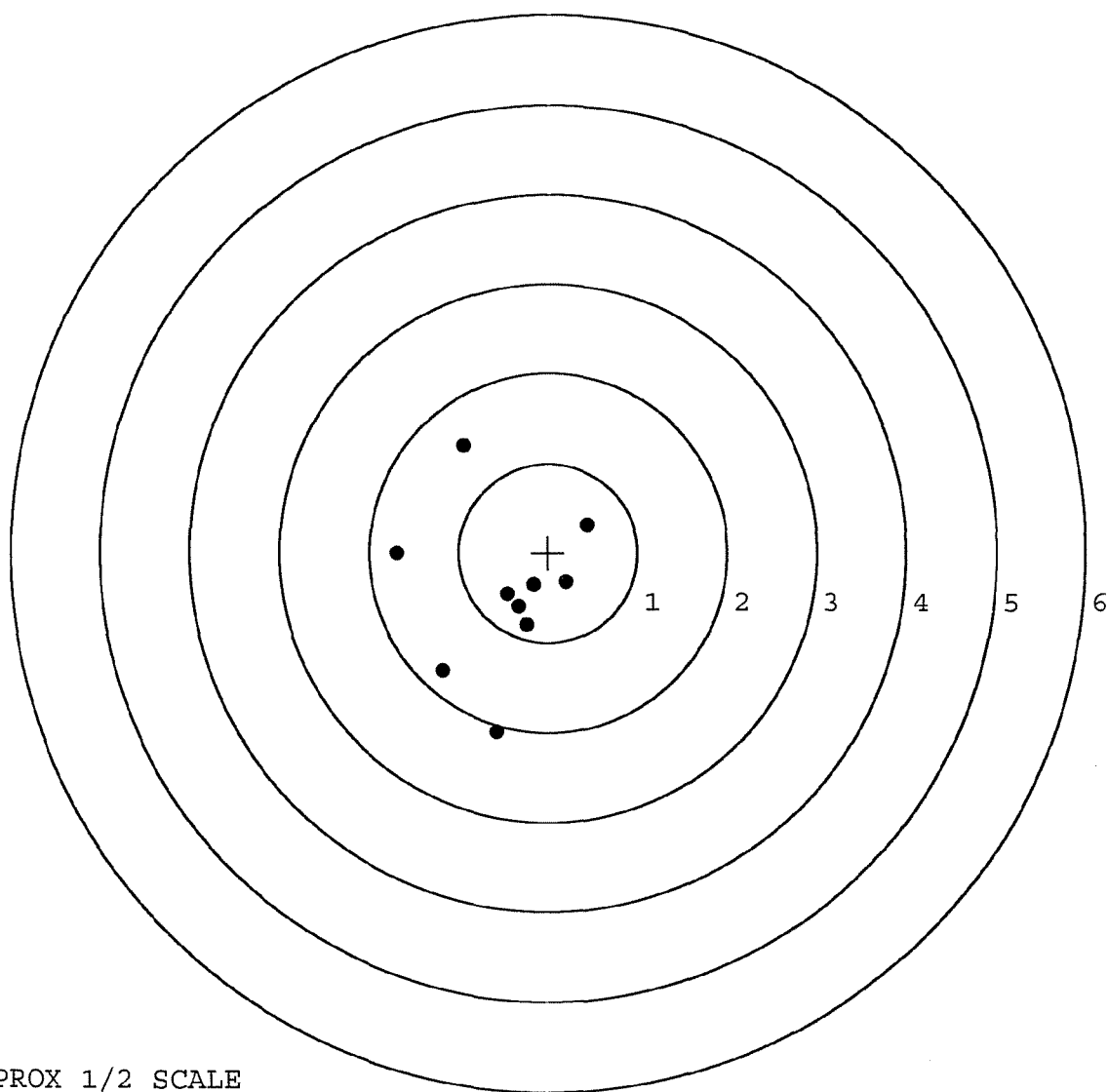
MEAN RADIUS: 0.861

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 5

in 3 IN DIAMETER: 8

POINT#	X	Y
1:	-0.575	-1.995
2:	-1.175	-1.320
3:	-0.246	-0.808
4:	-0.329	-0.601
5:	-0.456	-0.462
6:	-0.164	-0.365
7:	0.202	-0.329
8:	0.436	0.319
9:	-1.693	-0.013
10:	-0.946	1.197



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6461798. __0

TARGET NUMBER: 2

FILE DATE: 08/08/2005

FILE TIME: 10:43

POINT#	X	Y
1:	1.312	-0.134
2:	0.646	0.353
3:	-0.359	0.353
4:	-0.289	-0.151
5:	-0.153	-0.719
6:	0.100	-1.316
7:	-1.287	0.430
8:	0.646	1.532
9:	0.307	1.440
10:	-0.568	1.540

X CENTROID: 0.036

Y CENTROID: 0.333

POA TO CENTROID: 0.335

HORZ SPREAD: 2.599

VERT SPREAD: 2.856

GROUP SPREAD: 2.933

MIN RADIUS: 0.395

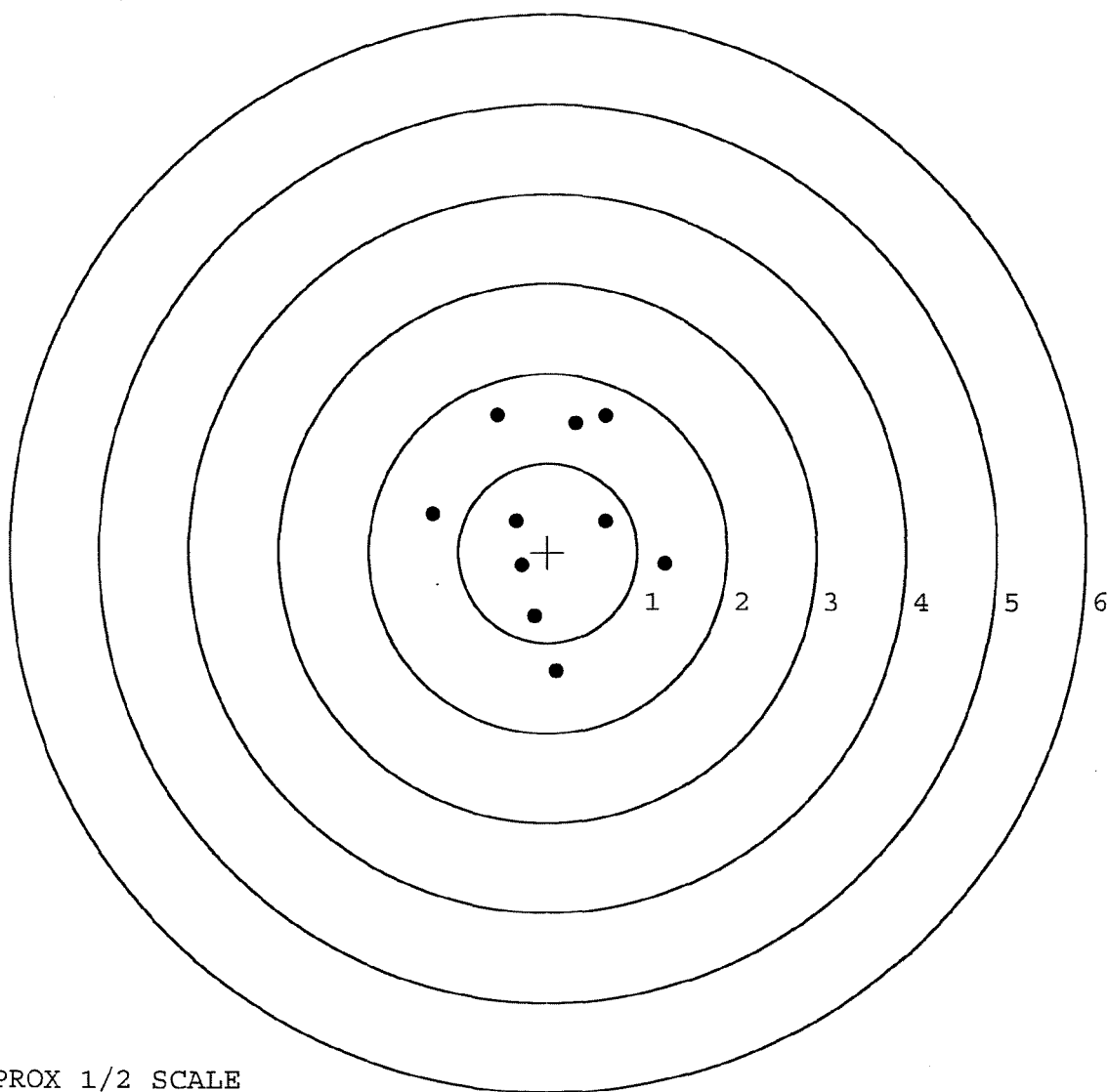
MAX RADIUS: 1.650

MEAN RADIUS: 1.083

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 3

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6461798. __0

TARGET NUMBER: 3

FILE DATE: 08/08/2005

FILE TIME: 10:43

POINT#	X	Y
1:	0.807	-0.485
2:	0.342	-0.786
3:	0.052	-0.400
4:	-0.319	-0.940
5:	-0.617	-1.029
6:	0.105	0.053
7:	-0.184	0.068
8:	-0.179	0.394
9:	-0.382	0.914
10:	-0.698	0.672

X CENTROID: -0.107

Y CENTROID: -0.154

POA TO CENTROID: 0.188

HORZ SPREAD: 1.505

VERT SPREAD: 1.943

GROUP SPREAD: 1.957

MIN RADIUS: 0.235

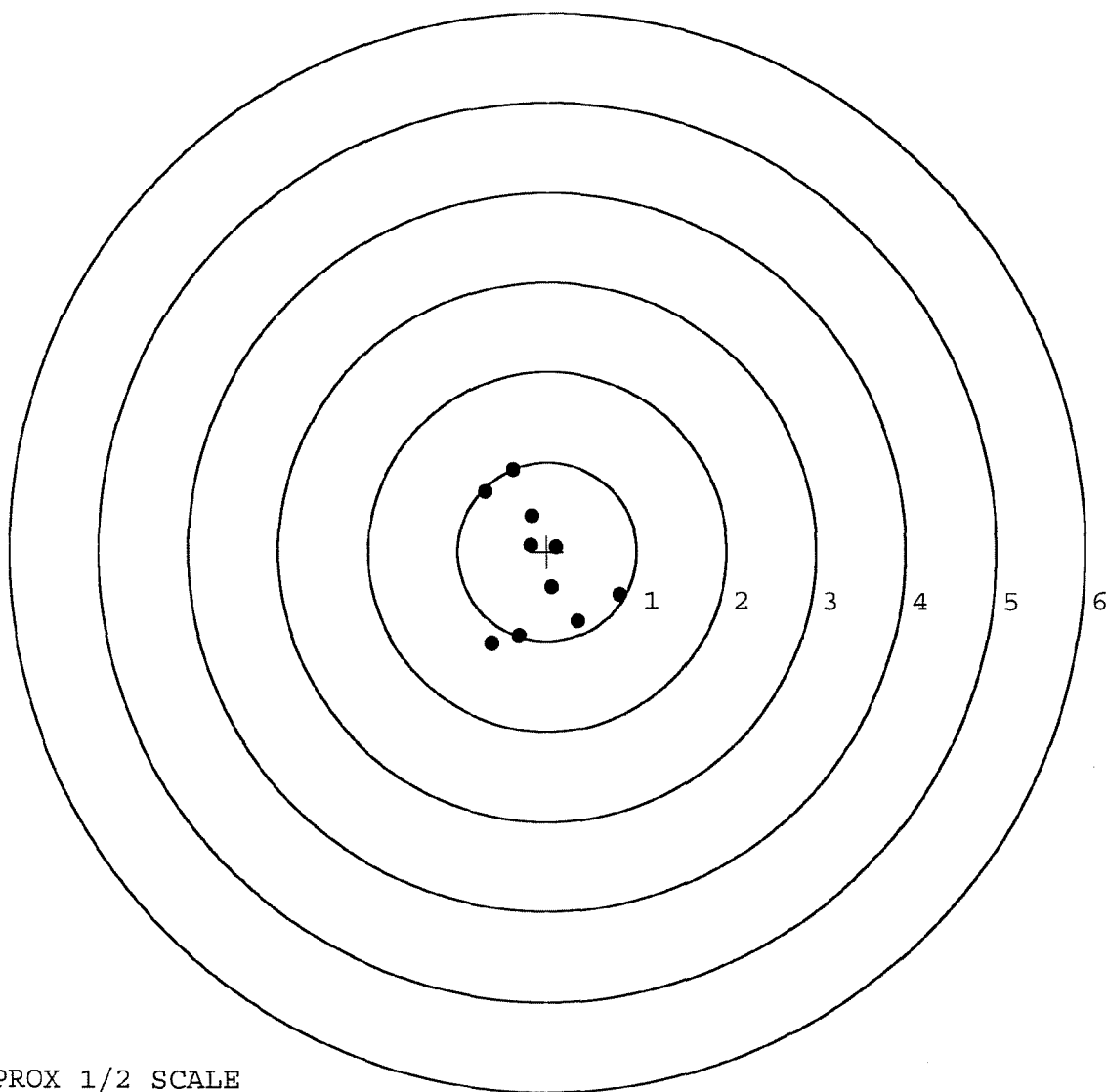
MAX RADIUS: 1.103

MEAN RADIUS: 0.707

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6461798. __0

TARGET NUMBER: 4

FILE DATE: 08/08/2005

FILE TIME: 10:43

POINT#	X	Y
1:	0.709	-0.886
2:	-0.281	-1.291
3:	0.180	-0.262
4:	0.170	0.156
5:	0.748	0.330
6:	0.507	0.740
7:	0.433	1.587
8:	-0.152	0.307
9:	-0.316	0.514
10:	-1.066	0.478

X CENTROID: 0.093

Y CENTROID: 0.167

POA TO CENTROID: 0.192

HORZ SPREAD: 1.814

VERT SPREAD: 2.878

GROUP SPREAD: 2.965

MIN RADIUS: 0.078

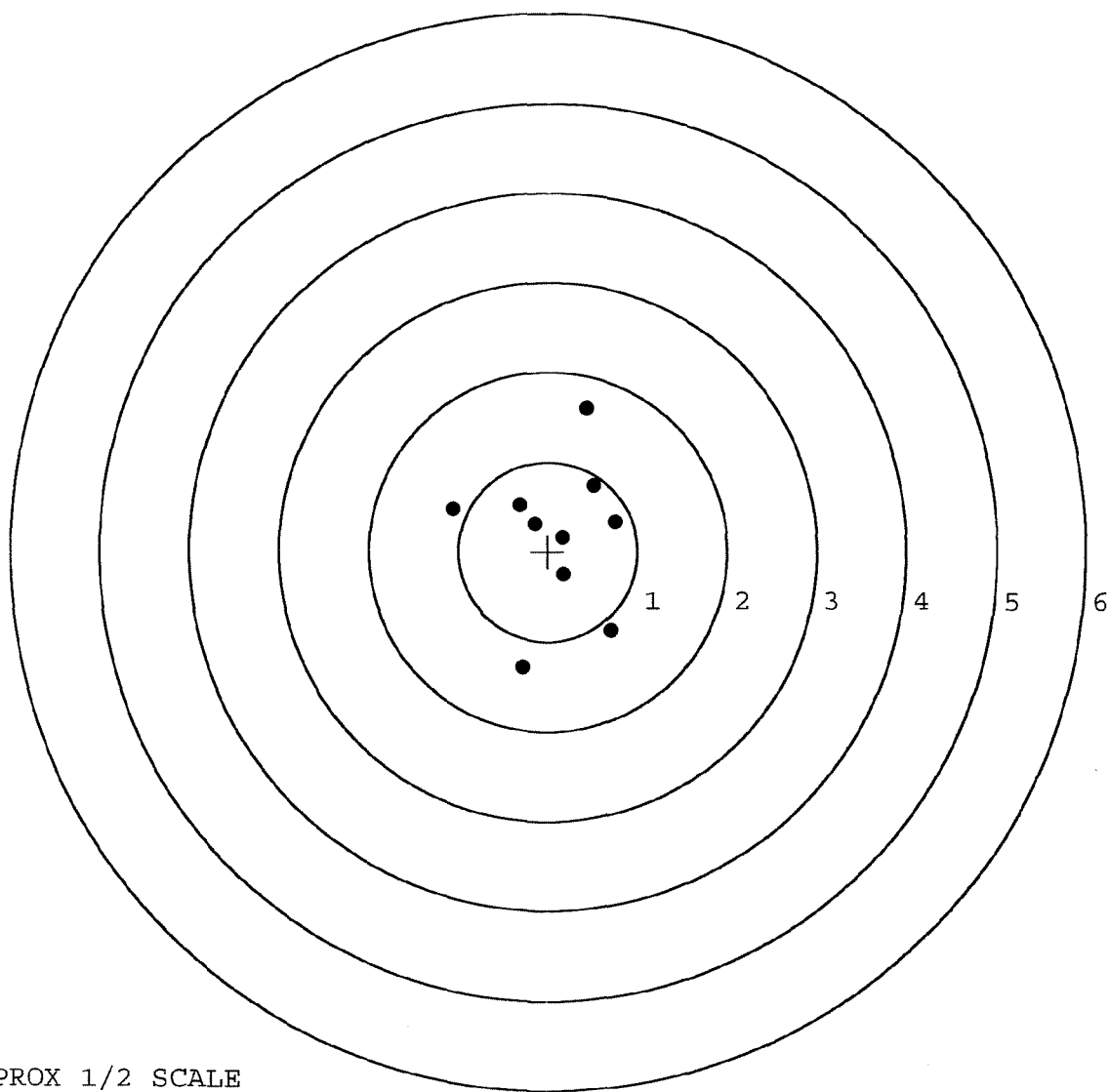
MAX RADIUS: 1.506

MEAN RADIUS: 0.810

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 6

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6461798. 0

TARGET NUMBER: 5

FILE DATE: 08/08/2005

FILE TIME: 10:43

POINT#	X	Y
1:	0.732	0.684
2:	0.700	-0.230
3:	0.356	-0.023
4:	0.012	-0.500
5:	-0.179	0.214
6:	-0.589	-0.077
7:	-1.448	-0.089
8:	-1.192	0.785
9:	-0.478	1.087
10:	0.598	-0.100

X CENTROID: -0.149

Y CENTROID: 0.175

POA TO CENTROID: 0.230

HORZ SPREAD: 2.180

VERT SPREAD: 1.587

GROUP SPREAD: 2.313

MIN RADIUS: 0.049

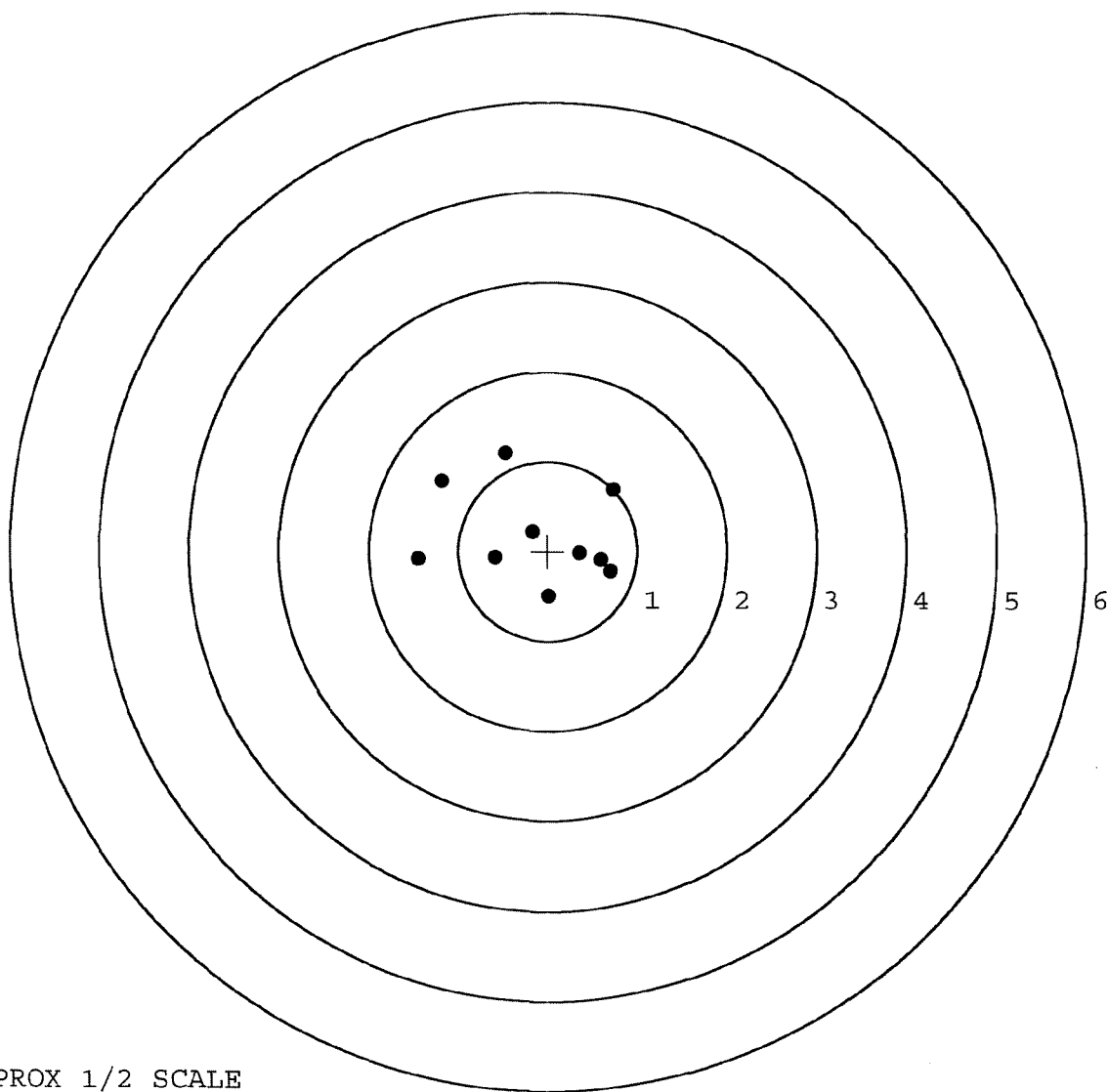
MAX RADIUS: 1.326

MEAN RADIUS: 0.805

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

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

[illegible]

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



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

Remington

MODEL 700TM H24

SERIAL NO.

06225287

ORDER NO.

5716

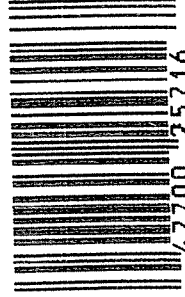
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MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.



5716 06225287

UPC



0 47700 25716 7

MOD. _____		GA. CAL. _____	GUN # <u>06225287</u>
# TEST	DATE	MALFUNCTION/DEFECT	ASSEM. #
	1st	<i>don't eject</i>	
<i>2/2/89</i>	2nd	<i>Clean Ejector Hole</i>	
<i>2/3/89</i>	3rd	<i>OK shoot & repair 100 Rounds</i>	
	4th		

FUNCTION _____ RD 5654 Rev 1

TEST INIT. ACTION TO CORRECT		ASSEM. #
PROOF		
TEST		
TGT		
PROOF		
TEST		
TGT		
PROOF	ENGINEER	
TEST		
TGT		
PROOF	ENGINEER	
TEST		
TGT		

50050421

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225287

OP. #	OP. NAME	READINGS	DATE	INITIAL
575 & 580	Assemble Action and Stock	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	INTERCHANGEABILITY		9/22/88 p/c
	Magnaflux Bolt		9/22/88	p/c
615	Rollmark Caliber		9/26/88	G-5
617	Drill and Tap Sight Holes		10/12/88	FB
618	Polish Barrel		10/12/88	BT
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		11/15/88	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11/15/88	RW
	C) Inspect Ejector Hole for Chamfer		11/15/88	RW
	D) Oil Firing Pin Ass'y		11/15/88	RW
	E) Adjust Trigger Pull to Min Setting and Stake		11/15/88	RW

op. #	OP. NAME	READINGS					DATE	INITIAL
625 cont.	F) Safety On Force	5	5	5			17 Nov 88	JS
	G) Safety Off Force	3	3	3			17 Nov 88	JS
	H) Trigger Pull Test & Retainability						16 Nov 88	JS
	I) Firing Pin Indent	.020	.0205	.0205			17 Nov 88	JS
	J) Assemble Stock						11/17/88	RW
	K) Assemble Swivel Studs						31 Jan 89	JS
	L) Attach Front and Rear Sight Assemblies						1/10/89	RW
	M) Iron Sight Alignment						1/10/89	RW
	N) Detach Front & Rear Sights & place in numbered container						1/10/89	RW
	O) Attach Scope to Rifle							
	P) Detach & Attach Scope 20 Times						1/13/89	JS
640	Gallery Target & Test	43 R		110 L			1/25/89	DH
	A) Time						1/25/89	DH
	B) Malfunctions						1/25/89	DH
	C) Pierced Primers						1/25/89	DH
	D) Optical Clarity of Scope						1/25/89	DH
645	Inspect for Live Ammo						1/25/89	DH
655	Final Inspection							
	A) Headspace						31 Jan 89	JS
	B) Trigger Pull	2.64	2.57	2.19	2.11	2.05	31 Jan 89	JS
	C) Function						31 Jan 89	JS
660	Pack						22 Mar 89	JS

SWS TRIGGER PULL TEST

5587

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

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

SERIAL NO. C6225279

DATE 5 April 89

TESTER JS

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.39	2.21	2.65	2.12	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.37	2.63	2.51	2.21	
PULL #3	2.44	2.50	2.24	2.28	
PULL #4	2.48	2.46	2.30	2.31	
PULL #5	2.42	2.59	2.68	2.33	
TOTAL	12.10	12.49	12.38	11.25	
AVG.	2.42	2.498	2.476	2.25	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.15	2.75		
PULL #2	3.06	3.03		
PULL #3	2.99	2.98		
PULL #4	3.15	3.18		
PULL #5	3.02	3.03		
TOTAL	15.37	14.97		
AVG.	3.074	2.994		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.08	3.72		4.40
PULL #2	4.08	3.92		4.11
PULL #3	4.19	4.15		4.11
PULL #4	4.08	4.04		4.41
PULL #5	4.00	4.03		4.11
TOTAL	20.43	19.86		21.14
AVG.	4.086	3.972		4.228

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06225287
26 Jan 1989

CENTROIDAL DISTANCES

0 TO	1	.757929
1 TO	2	.378191
1 TO	3	.193329
1 TO	4	.70477
1 TO	5	.508095

POI ← ----POI

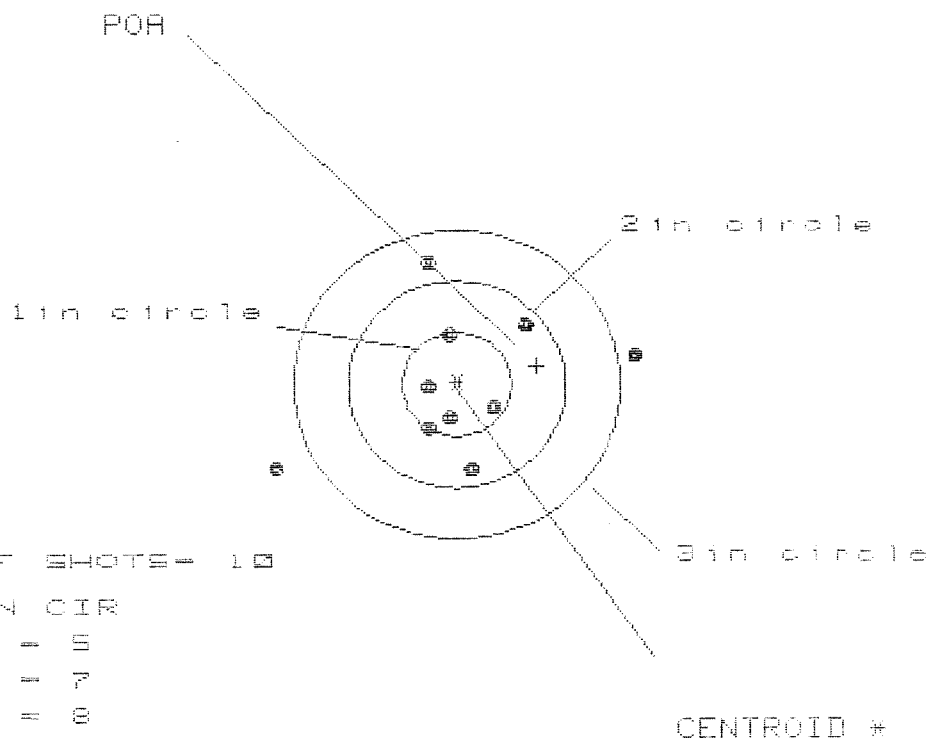
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.4144
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0919
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .424446

THE AMR FOR THIS RIFLE IS: .9618

26 Jan 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C82252B7

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1in = 5

2in = 7

3in = 8

HS= 3.343

VS= 1.988

GS= 3.547

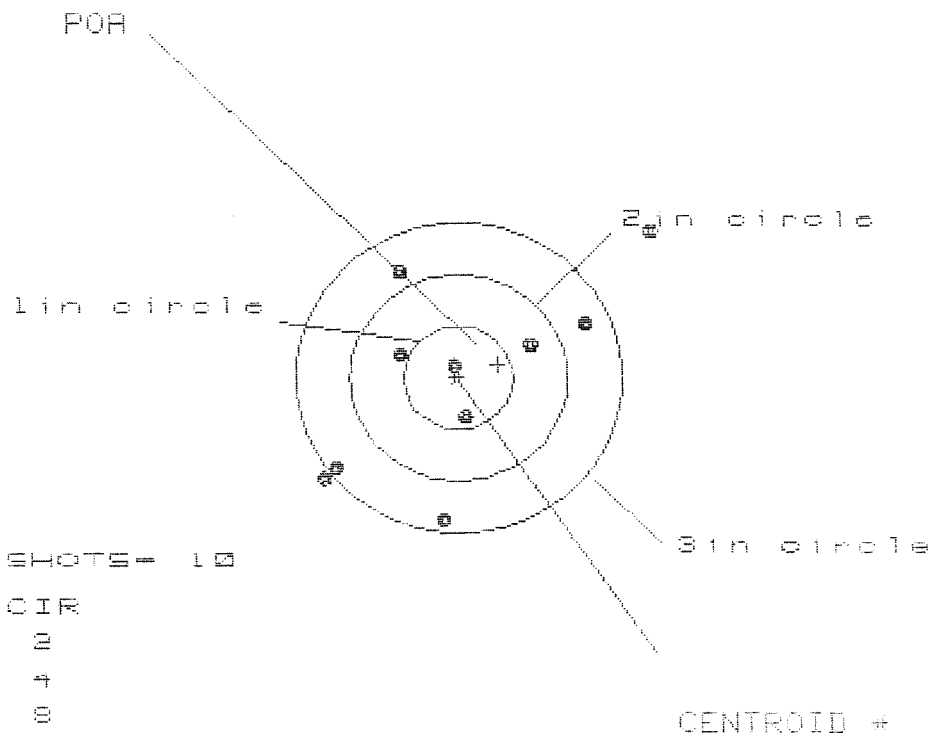
CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.651	1.463	.614
MINIMUM X	-1.692	-.501	-.319
MAXIMUM Y	1.132	1.037	1.066
MINIMUM Y	-.956	-.894	-.865
CENTROID X	-.736	-.548	-.730
CENTROID Y	-.181	-.086	-.115
POA TO CENTROID in.	.758	.554	.739
MIN RADIUS	.276	.353	.323
MEAN RADIUS	.837	.737	.608
MAX RADIUS	1.896	1.481	1.100
HORIZONTAL SPREAD	3.343	1.964	.933
VERTICAL SPREAD	1.988	1.931	1.931
EXTREME SPREAD	3.547	2.077	1.964
NUMBER IN ONE INCH CIRCLE =	5		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	8		

26 Jan 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08225287

CENTERFIRE PATTERNS # 2



OF SHOTS = 10

IN CIR

1in = 2

2in = 4

3in = 8

HS = 3.834

VS = 2.841

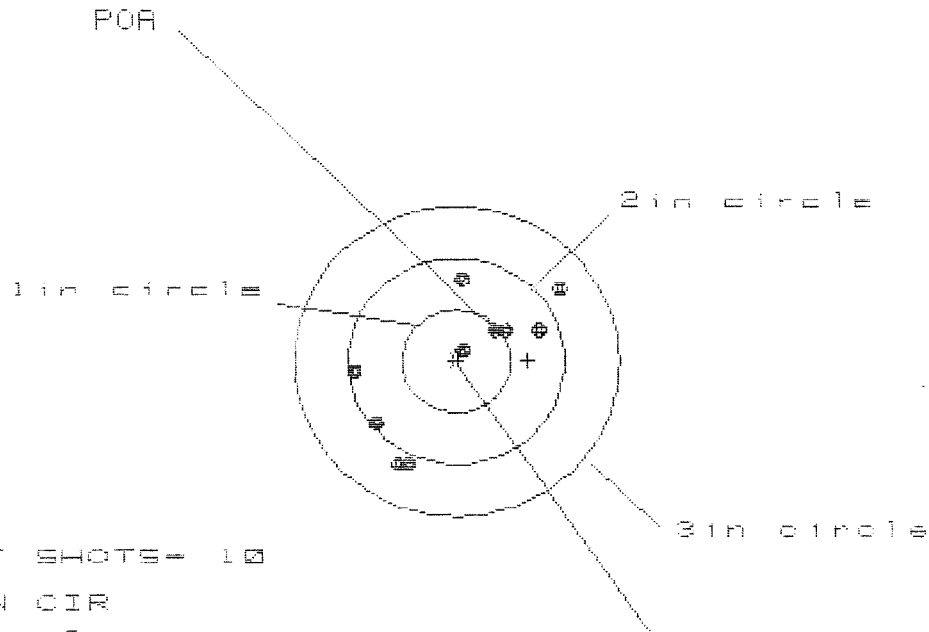
GS = 3.873

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.771	1.365	1.232
MINIMUM X	:	-1.263	-1.067	-1.091
MAXIMUM Y	:	1.431	1.164	1.062
MINIMUM Y	:	-1.410	-1.251	-1.353
CENTROID X	:	-.364	-.560	-.427
CENTROID Y	:	-.125	-.284	-.182
POA TO CENTROID in.	:	.385	.628	.464
MIN RADIUS	:	.150	.334	.199
MEAN RADIUS	:	1.104	.970	.899
MAX RADIUS	:	2.277	1.509	1.355
HORIZONTAL SPREAD	:	3.034	2.432	2.323
VERTICAL SPREAD	:	2.841	2.415	2.415
EXTREME SPREAD	:	3.873	2.836	2.679
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		8	

26 Jan 1989

FILE:/PATTERNING/CENTERFIRE_PATT/082252B7

CENTERFIRE PATTERNS # 3



OF SHOTS = 10

IN CIR

1 in = 2

2 in = 7

3 in = 10

HS = 1.929

VS = 1.817

GS = 2.307

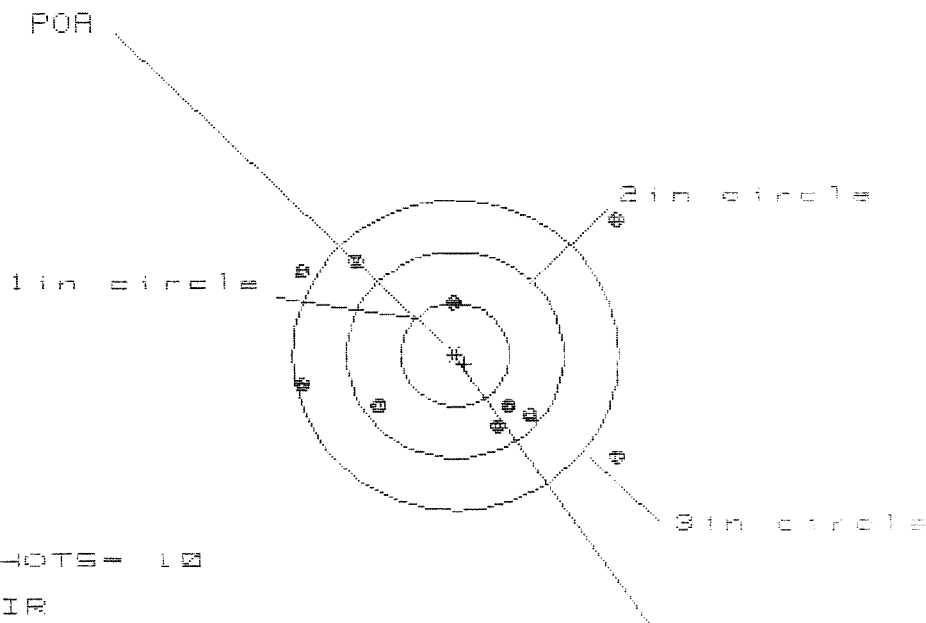
CENTROID #

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.000	.880	.923
MINIMUM X	:	-.929	-.817	-.874
MAXIMUM Y	:	.829	.909	.797
MINIMUM Y	:	-.988	-.908	-1.020
CENTROID X	:	-.656	-.768	-.711
CENTROID Y	:	-.005	-.085	.027
POR TO CENTROID in.	:	.656	.772	.711
MIN RADIUS	:	.147	.271	.148
MEAN RADIUS	:	.817	.786	.727
MAX RADIUS	:	1.231	1.005	1.076
HORIZONTAL SPREAD	:	1.929	1.697	1.697
VERTICAL SPREAD	:	1.817	1.817	1.817
EXTREME SPREAD	:	2.307	1.897	1.863
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

26 Jan 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C8225287

CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1 in = 0

2 in = 5

3 in = 7

HS= 2.981

VS= 2.333

GS= 3.431

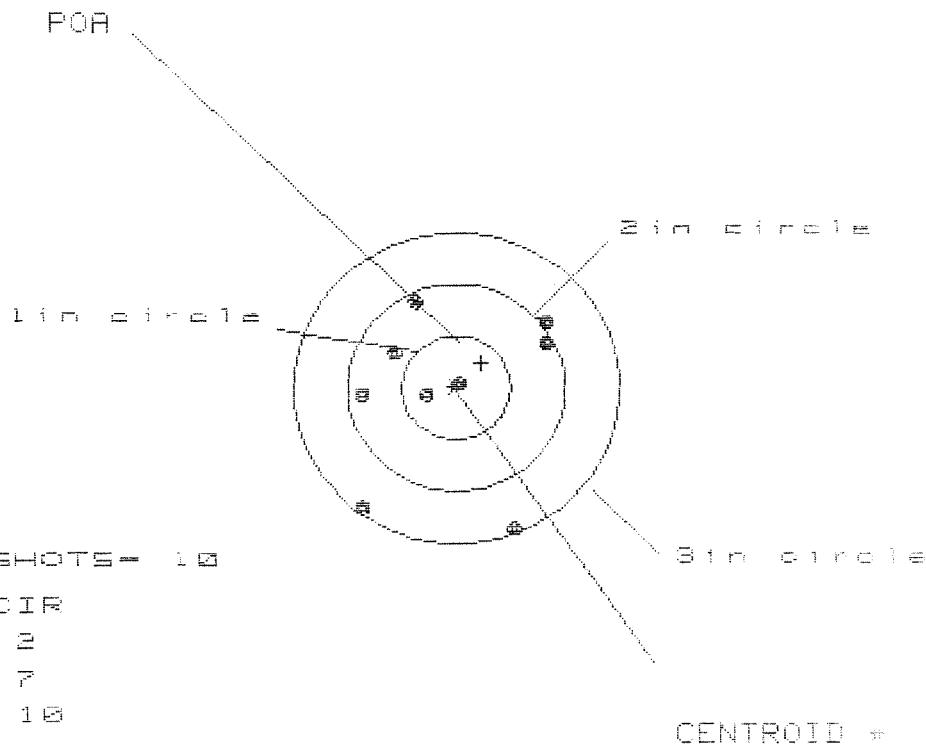
CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.531	1.693	1.024
MINIMUM X	:	-1.450	-1.288	-1.077
MAXIMUM Y	:	1.296	1.098	.987
MINIMUM Y	:	-1.037	-.893	-.638
CENTROID X	:	-.085	-.247	-.458
CENTROID Y	:	.089	-.055	.056
POA TO CENTROID in.	:	.123	.253	.462
MIN RADIUS	:	.503	.667	.602
MEAN RADIUS	:	1.191	1.092	.987
MAX RADIUS	:	1.951	1.914	1.295
HORIZONTAL SPREAD	:	2.981	2.981	2.101
VERTICAL SPREAD	:	2.333	1.991	1.625
EXTREME SPREAD	:	3.431	3.431	2.438
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		7	

26 Jan 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06225287

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 7

3 in = 10

HS= 1.730

VS= 2.210

GS= 2.459

PATTERN #	5
SHOTS (BEST OF)	10
MAXIMUM X	.826
MINIMUM X	-.904
MAXIMUM Y	.838
MINIMUM Y	-1.372
CENTROID X	-.231
CENTROID Y	-.237
POA TO CENTROID in.	.331
MIN RADIUS	.077
MEAN RADIUS	.860
MAX RADIUS	1.466
HORIZONTAL SPREAD	1.730
VERTICAL SPREAD	2.210
EXTREME SPREAD	2.459
NUMBER IN ONE INCH CIRCLE	2
NUMBER IN TWO INCH CIRCLE	7
NUMBER IN THREE INCH CIRCLE	10

INTERCHANGEABILITY

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06225287
20 Mar 1989

CENTROIDAL DISTANCES

0 TO	1	.428964
1 TO	2	.11439
1 TO	3	.268673
1 TO	4	.122413
1 TO	5	.123438

$\frac{3}{4}$
+

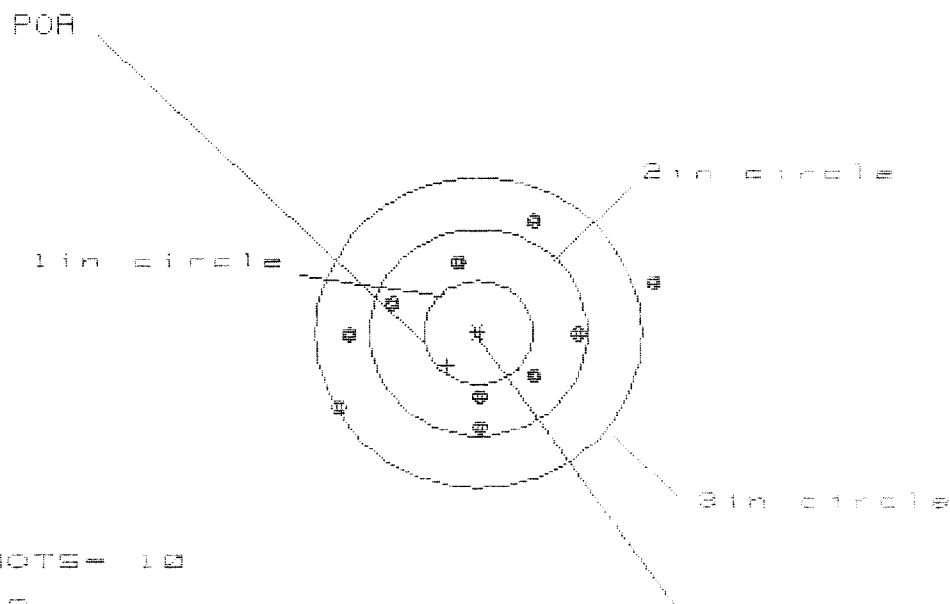
-----FOR

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .275
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .3494
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .444641
THE AMR FOR THIS RIFLE IS: .9326

28 Mar 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06225287

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1 in = 0

2 in = 6

3 in = 8

HS= 2.055

VS= 2.056

GS= 3.202

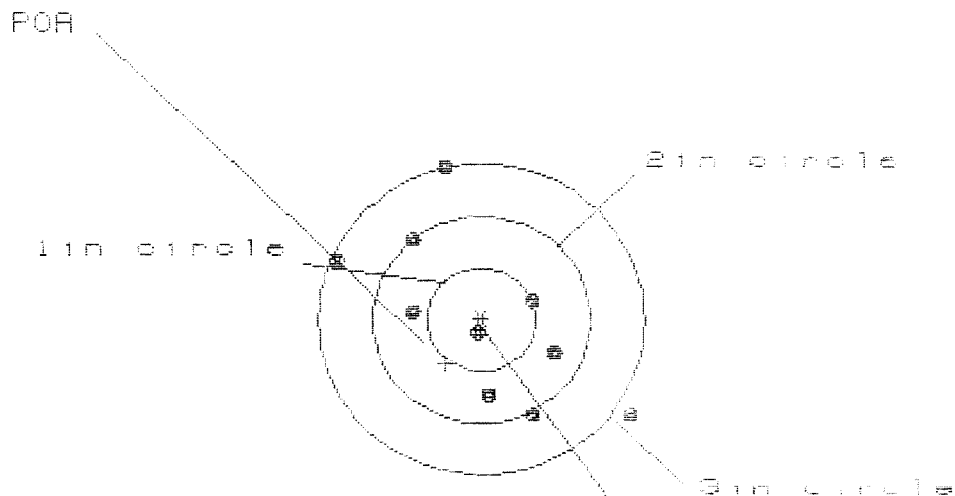
CENTROID +

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.631	1.044	.901
MINIMUM X	:	-1.324	-1.142	-1.150
MAXIMUM Y	:	1.119	1.175	1.091
MINIMUM Y	:	-.937	-.881	-.965
CENTROID X	:	.289	.107	.250
CENTROID Y	:	.317	.261	.345
POA TO CENTROID in.	:	.428	.282	.426
MIN RADIUS	:	.612	.576	.640
MEAN RADIUS	:	1.026	.939	.882
MAX RADIUS	:	1.708	1.363	1.221
HORIZONTAL SPREAD	:	2.955	2.186	2.051
VERTICAL SPREAD	:	2.056	2.056	2.056
EXTREME SPREAD	:	3.202	2.602	2.117
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		8	

28 Mar 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06825207

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 5

3 in = 3

HS= 2.680

VS= 2.401

GS= 3.043

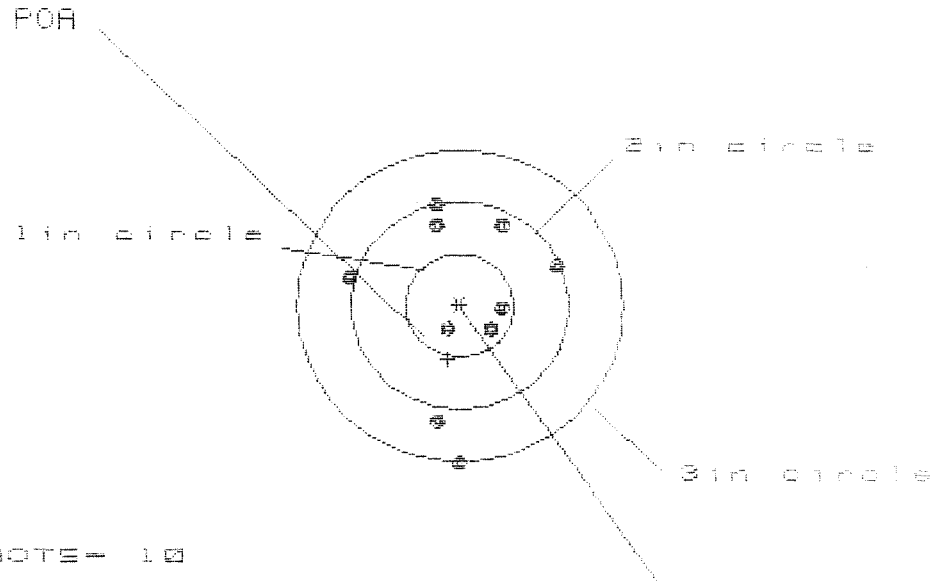
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.333	.822	.794
MINIMUM X	:	-1.357	-1.288	-1.236
MAXIMUM Y	:	1.450	1.352	.853
MINIMUM Y	:	-.951	-1.049	-.881
CENTROID X	:	.382	.183	.211
CENTROID Y	:	.423	.521	.352
POA TO CENTROID in.	:	.538	.553	.411
MIN RADIUS	:	.105	.239	.106
MEAN RADIUS	:	.929	.865	.772
MAX RADIUS	:	1.599	1.369	1.379
HORIZONTAL SPREAD	:	2.690	2.030	2.030
VERTICAL SPREAD	:	2.401	2.401	1.733
EXTREME SPREAD	:	3.043	2.550	2.374
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

28 Mar 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08283287

CENTERFIRE PATTERNS # 3



OF SHOTS = 10

IN CIR

1 in = 3

2 in = 7

3 in = 9

ME = 1.820

VS = 2.469

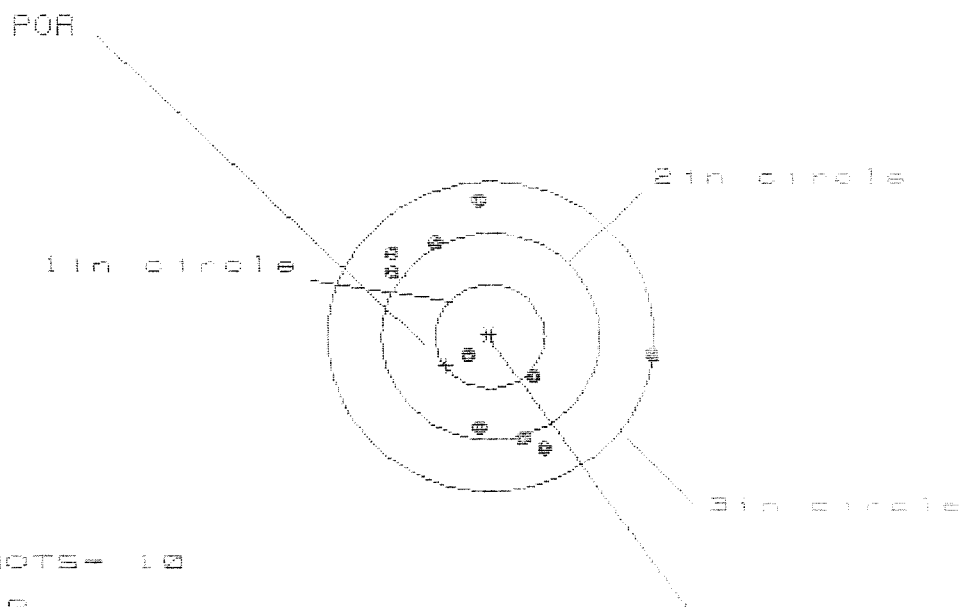
GS = 2.475

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.894	.889	.862
MINIMUM X	:	-1.026	-1.031	-1.058
MAXIMUM Y	:	.965	.798	.636
MINIMUM Y	:	-1.564	-1.297	-1.555
CENTROID X	:	.113	.118	.145
CENTROID Y	:	.520	.687	.849
POA TO CENTROID in.	:	.532	.697	.861
MIN RADIUS	:	.278	.393	.469
MEAN RADIUS	:	.824	.741	.658
MAX RADIUS	:	1.585	1.314	1.058
HORIZONTAL SPREAD	:	1.920	1.920	1.920
VERTICAL SPREAD	:	2.469	2.095	1.201
EXTREME SPREAD	:	2.475	2.095	1.922
NUMBER IN ONE INCH CIRCLE =			3	
NUMBER IN TWO INCH CIRCLE =			7	
NUMBER IN THREE INCH CIRCLE =			9	

28 Mar 1989

FILE:/PATTERNING/CENTERFIRE_PATT/03285287

CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 4

3 in = 10

HS= 2.408

VS= 2.374

GS= 2.554

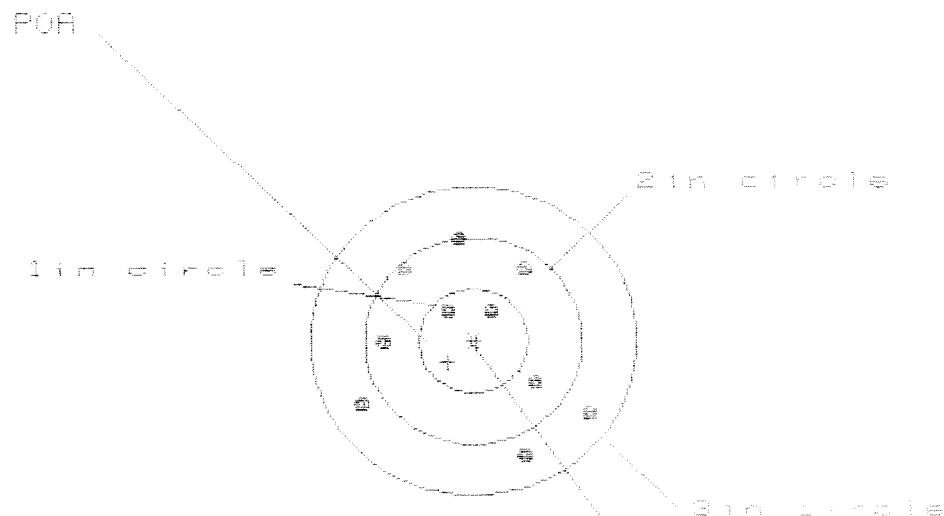
CENTROID =

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.488	.788	.711
MINIMUM X	:	-.928	-.755	-.752
MAXIMUM Y	:	1.384	1.285	1.082
MINIMUM Y	:	-1.078	-1.089	-.929
CENTROID X	:	.486	.241	.238
CENTROID Y	:	.281	.388	.148
POR TO CENTROID in.	:	.494	.385	.276
MIN RADIUS	:	.265	.219	.853
MEAN RADIUS	:	1.009	.944	.865
MAX RADIUS	:	1.498	1.299	1.192
HORIZONTAL SPREAD	:	2.468	1.463	1.463
VERTICAL SPREAD	:	2.374	2.374	2.011
EXTREME SPREAD	:	2.554	2.471	2.361
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		10	

28 Mar 1988

FILE:/PATTERNING/CENTERFIRE_PATT/05225287

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 7

3 in = 10

HS= 2.132

VS= 2.094

GS= 2.211

CENTROID *

PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.193	.702	.779
MINIMUM X	-1.000	-.908	-.831
MAXIMUM Y	.978	.899	.749
MINIMUM Y	-1.116	-1.195	-.865
CENTROID X	.235	.113	.036
CENTROID Y	.206	.285	.435
POA TO CENTROID in.	.312	.387	.436
MIN RADIUS	.323	.236	.068
MEAN RADIUS	.875	.801	.690
MAX RADIUS	1.315	1.344	1.199
HORIZONTAL SPREAD	2.133	1.618	1.610
VERTICAL SPREAD	2.094	2.094	1.614
EXTREME SPREAD	2.211	2.189	2.033
NUMBER IN ONE INCH CIRCLE	2	2	2
NUMBER IN TWO INCH CIRCLE	7	7	7
NUMBER IN THREE INCH CIRCLE	10	10	10

CEIVING AND ESTIMATING REPORT

COMMENTS

ORDER
R 94-19413

INITIAL
JJM

CUSTOMER ORDER NO.

WOC 1 OF 3 W/10X SCOPE M-24 SNIPER

DATE RECEIVED
06/21/94

DATE OPENED
06/22/94

DATE CODE

SERIAL NUMBER
C6225287

NEW SERIAL NUMBER

MODEL AND GRADE

700 7.62

NATO

ACCESSORIES

SCOPE MNTS

SCOPE BASE

FROM:

CDR 2/325 AIR
HHC 2/32 A.I.R.
FORT BRAGG

NC 28307

SHIP TO:

CDR
HHC 2/32 A.I.R.
FORT BRAGG

NC
28307

CUST NO: 099026 C.D.D.L

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

New Barrel

PARTS

COMMENTS

Barrel - 96003

Repowder Coat - Floor Plate, Latch,
Trigger Guard, Front & Rear
Sight Bases,
Red. inc. Scope Base, Rings &
Swivel Studs

REPAIRMAN

PROOF

CLEAN

TEST

TARGET

PATTERN

GALLERY TESTER

DATE

DATE

DATE

DATE

DATE

W52H09 4165 H228

OFFICE COPY

RD6925 REV. 1/94

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

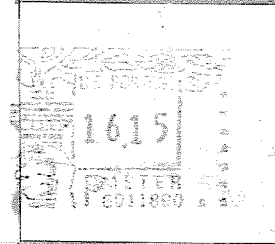
M2400156335

DEPARTMENT OF THE ARMY

CDR.
HHC 2/385 A.I.R.
F BNC 2830T-5100

OFFICIAL BUSINESS

~~Reportville N.C.~~



DA Label 18-1, Sep 83
Edition of Oct 74 will be used until exhausted.

Remington Arms Co. Inc
ATTN: Fabricated products Dept
14 Hoefler Rd
ILION, NY 13357-1816

Replaces edition of 1 Jan 64, which will be used

Final Inspection

In: C625287

DATE REC'D: 6/21/94

DATE RET'D:

EDITOR: 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: _____

CONTRACT # DAAA21-87-C-0086

New Barrel

GUN SERIAL # C6225287

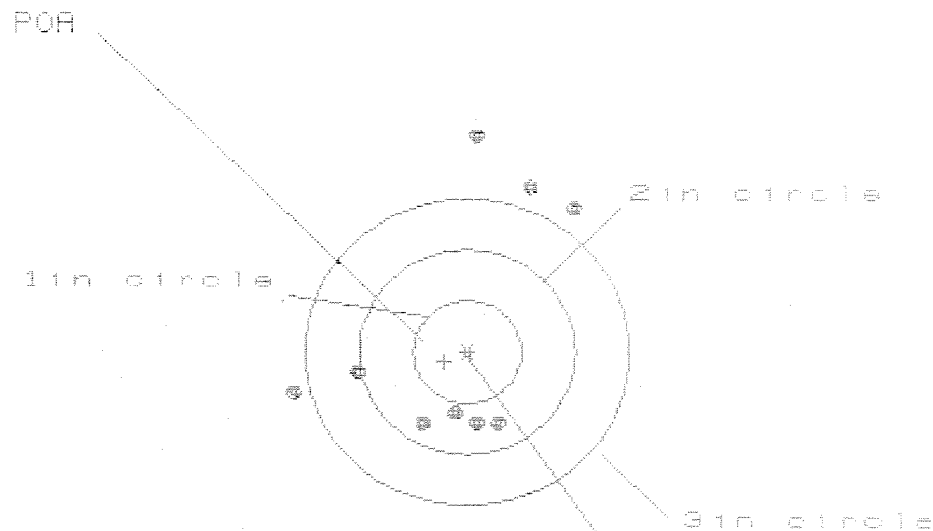
OP. #	OP. NAME	READINGS	DATE	INITIAL
575 & 580	Assemble Action and Stock		6/23/94	RW
600	Proof		6/23/94	RW
607	Check Headspace		6/23/94	RW
610	Dis-assemble Gun		6/23/94	RW
612	Magnaflux Barrel Action			
	Magnaflux Bolt			
615	Rollmark Caliber			
617	Drill and Tap Sight Holes			
618	Polish Barrel			
620	Apply Coatings (Barrel Action)			
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		7/19/94	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		7/19/94	RW
	C) Inspect Ejector Hole for Chamfer		7/19/94	RW
	D) Oil Firing Pin Ass'y		7/19/94	RW
	E) Adjust Trigger Pull to Min Setting and Stake		7/19/94	RW

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						7/22/94	Rw
	A) Time							
	B) Malfunctions							
	C) Pierced Primers							
	D) Optical Clarity of Scope							
645	Inspect for Live Ammo						7/22/94	Rw
655	Final Inspection							
	A) Headspace						7/23/94	Rw
	B) Trigger Pull	3.70	2.48	2.57	2.60	2.48	7/23/94	Rw
	C) Function						7/23/94	Rw
660	Pack							

22 Jul 1994

FILE:/PATTERNING/CENTERFIRE_PATT/06225267

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 0

2in = 4

3in = 5

HS= 2.713

VS= 4.013

GS= 4.132

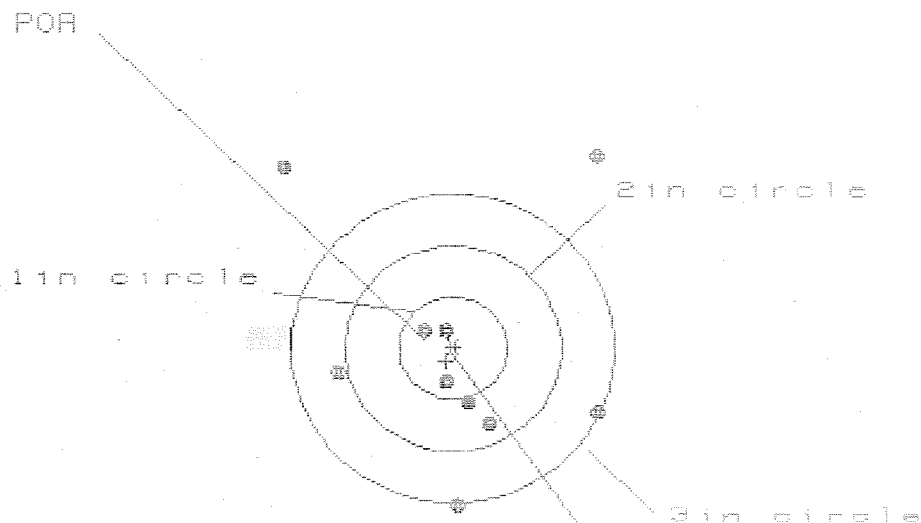
CENTROID *

PATTERN #	:			
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.104	1.143	1.173
MINIMUM X	:	-1.609	-1.486	-1.456
MAXIMUM Y	:	2.152	1.945	1.661
MINIMUM Y	:	-1.861	-.930	-.687
CENTROID X	:	.215	.092	.062
CENTROID Y	:	.092	.299	.056
POA TO CENTROID in.	:	.234	.313	.083
MIN RADIUS	:	.582	.768	.525
MEAN RADIUS	:	1.339	1.278	1.107
MAX RADIUS	:	2.164	1.960	1.859
HORIZONTAL SPREAD	:	2.713	2.629	2.629
VERTICAL SPREAD	:	4.013	2.875	2.348
EXTREME SPREAD	:	4.132	3.209	3.209
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		5	

22 Jul 1994

FILE:/PATTERNING/CENTERFIRE_PATT/C6225287

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 3

2in = 5

3in = 7

HS= 2.929

VS= 3.411

GS= 3.796

CENTROID #

PATTERN #	:	2	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.346	1.170	1.314
MINIMUM X	:	-1.583	-1.196	-1.052
MAXIMUM Y	:	1.923	2.117	.622
MINIMUM Y	:	-1.488	-1.294	-1.030
CENTROID X	:	.064	.240	.096
CENTROID Y	:	.126	-.068	-.332
POA TO CENTROID in.	:	.141	.249	.346
MIN RADIUS	:	.175	.295	.120
MEAN RADIUS	:	1.091	.935	.683
MAX RADIUS	:	2.353	2.410	1.331
HORIZONTAL SPREAD	:	2.929	2.366	2.366
VERTICAL SPREAD	:	3.411	3.411	1.652
EXTREME SPREAD	:	3.796	3.665	2.413
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		7	

22 Jul 1994

FILE:/PATTERNING/CENTERFIRE_PATT/082252B7

CENTERFIRE PATTERNS # 3

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS- 10

IN CIR

1in = 2

2in = 6

3in = 9

HS= 2.841

VS= 1.730

GS= 2.930

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.113	.921	.688
MINIMUM X	:	-1.728	-1.229	-1.114
MAXIMUM Y	:	1.005	1.032	.975
MINIMUM Y	:	-.725	-.698	-.755
CENTROID X	:	.136	.328	.213
CENTROID Y	:	-.311	-.338	-.281
POA TO CENTROID in.	:	.339	.471	.353
MIN RADIUS	:	.308	.284	.387
MEAN RADIUS	:	.904	.776	.756
MAX RADIUS	:	1.744	1.230	1.119
HORIZONTAL SPREAD	:	2.841	2.150	1.802
VERTICAL SPREAD	:	1.730	1.730	1.730
EXTREME SPREAD	:	2.930	2.187	1.872
NUMBER IN ONE INCH CIRCLE	=	2		
NUMBER IN TWO INCH CIRCLE	=	6		
NUMBER IN THREE INCH CIRCLE	=	9		

22 Jul 1994

FILE:/PATTERNING/CENTERFIRE_PATT/06225287

CENTERFIRE PATTERNS

4

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS- 10

IN CIR

1in = 3

2in = 7

3in = 9

HS= 2.112

VS= 2.496

GS= 2.504

PATTERN #

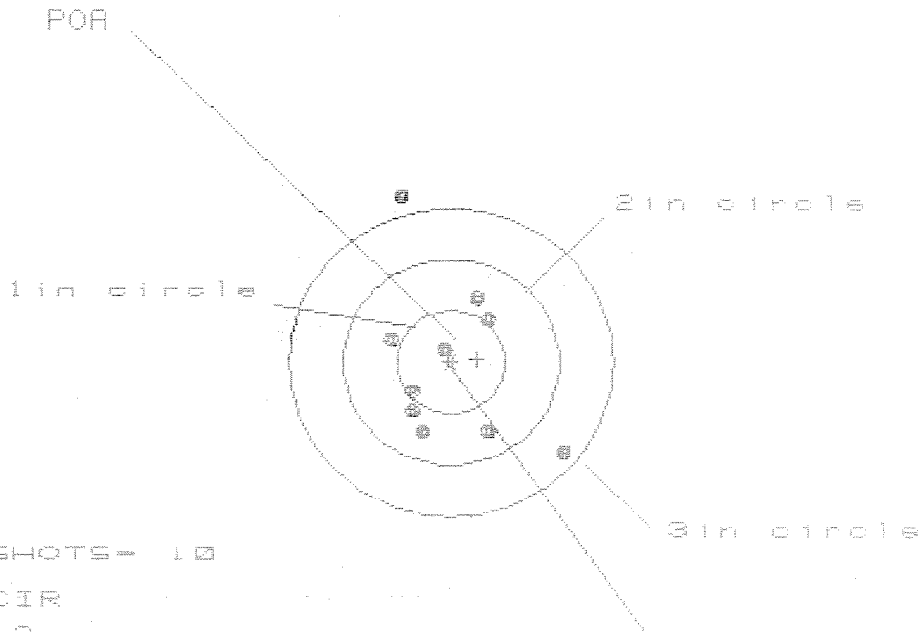
4

SHOTS (BEST OF)	10	9	8
MAXIMUM X	.799	.849	.692
MINIMUM X	-1.313	-1.263	-.567
MAXIMUM Y	1.620	1.024	1.047
MINIMUM Y	-.876	-.696	-.673
CENTROID X	-.103	-.153	.004
CENTROID Y	-.409	-.589	-.612
POA TO CENTROID in.	.422	.609	.512
MIN RADIUS	.338	.290	.222
MEAN RADIUS	.850	.703	.617
MAX RADIUS	1.683	1.330	1.255
HORIZONTAL SPREAD	2.112	2.112	1.259
VERTICAL SPREAD	2.496	1.720	1.720
EXTREME SPREAD	2.504	2.273	1.902
NUMBER IN ONE INCH CIRCLE	= 3		
NUMBER IN TWO INCH CIRCLE	= 7		
NUMBER IN THREE INCH CIRCLE	= 9		

22 JUL 1994

FILE:/PATTERNING/CENTERFIRE_PATT/08225287

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 8

3 in = 9

HS= 1.593

VS= 2.465

GS= 2.928

PATTERN #	5		
SHOTS (BEST OF)	10	9	9
MAXIMUM X	1.073	1.017	.443
MINIMUM X	-.520	-.576	-.449
MAXIMUM Y	1.586	.826	.738
MINIMUM Y	-.879	-.703	-.561
CENTROID X	-.241	-.185	-.312
CENTROID Y	-.024	-.200	-.112
POA TO CENTROID in.	.243	.273	.332
MIN RADIUS	.089	.274	.171
MEAN RADIUS	.744	.642	.538
MAX RADIUS	1.665	1.236	.800
HORIZONTAL SPREAD	1.593	1.593	.892
VERTICAL SPREAD	2.465	1.529	1.299
EXTREME SPREAD	2.928	1.926	1.380
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		8	
NUMBER IN THREE INCH CIRCLE =		9	

RECEIVING AND ESTIMATING REPORT

COMMENTS

ORDER

R 97-19538

INITIAL CUSTOMER ORDER NO.

JJM

DATE RECEIVED

DATE OPENED

DATE CODE

SERIAL NUMBER

NEW SERIAL NUMBER

MODEL AND GRADE

11/11/97
ACCESSORIES

11/12/97

C6225287

700 7.62

NATO

HARD CASE

SCOPE BASE

W/STUDS

FROM:

SHIP TO:

DEPT OF THE ARMY
2ND BATTALION 325 AIRBORNE INF
REGIMENT HDQTS & HDGTS CO
FORT BRAGG NC 28307

DEPT OF THE ARMY
2ND BATTALION 325 AIRBORNE INF
REGIMENT HDQTS & HDGTS CO
FORT BRAGG NC
28307

ACCOUNT NUMBER

ACCOUNT NUMBER N/C

CUST NO: 176901 C.O.D

WRITE ☐

FROM 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

BOLT ASSY.

B3

E2

BARREL ASSY.

B4

D1

E3

REC. ASSY.

B5

D2

E4

WOOD

C1

D3

E5

METAL

C2

MAIN FAULT

PARTS

COMMENTS

REPAIRMAN

PROOF

CLEAN

TEST

TARGET

PATTERN

GALLERY TESTER

DATE

DATE

DATE

DATE

DATE

OFFICE COPY

RD6925 REV. 7/97

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

M2400156347

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # C6225287
2 Dec 1997

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: $-.0496667$
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: $-.0316667$
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: $.0589029$

THE AMR FOR THIS RIFLE IS: $.999$

CENTROIDAL DISTANCES

0 TO 1	.0627694
1 TO 2	.0263059
1 TO 3	.254437

2
3 <----POA

AT 5000 + Rounds

DEPARTMENT OF THE ARMY
Headquarters and Headquarters Company
2nd Battalion, 325th Airborne Infantry Regiment
Fort Bragg, North Carolina 28307-5100

AFVC-BB-H

7 NOV 1997

MEMORANDUM FOR RECORD

SUBJECT: CONTENTS OF SHIPPING CASE

CONTENTS :

M-24 SWS SERIAL # C6225287


CHRISTOPHER L. CLIFTON
HHC ARMORER

WITNESSED BY:

Robert B James



[illegible]