

C6225532

MODEL 700TM M24

Model SMSTM

Action

Barrel Length

Capacity

Order No. 5716

*Includes 1 in chamber.

Remington

Repair Inquiry

Repair Number: RE00071842

Serial: C6225532 Model 700 Center Fire Caliber: 7
62 NATO M/24 SWS

Repairman:

Verify Repair

High Priority

Status:

New 10/22/2003 2:16:11 PM

Address Information

Customer:

Received From

Return To:

Received From

Name: MICHAEL FRIEND

MICHAEL FRIEND

Address 1: POB 3 75TH RANGER

POB 3 75TH RANGER

Address 2: 82 AIRB DIV RD BLDG 2459

PO Box:

82 AIRB DIV RD BLDG 2459

PO Box:

City: FORT BENNING

FORT BENNING

State: GA

Zip Code: 31905

Country: US

State: GA

Zip Code: 31905

Country: US

FFL:

Contact / Condition

Problems

Estimate

History / Status

Shipping / Billing

Contact Information

Phone: 706 545 3545

Fax:

Email:

Comments:

Received Condition

Good

Condition
Notes:CSR
Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	3
A010	Hard Case	1
A017	Scope Base	1
A026	Scope	1
C000	FRT AND REAR BASI	1

Repair Search

Refresh

Close

naglej

10/22/2003

2:39 PM

CAPS

NUM

INS

SCRL

start

100% - Microsoft

Calendar - Microsoft

Arms Services R...

2:39 PM

Serial Number: C6225532
Model: 700
RE00071842

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6225532.___0
FILE DATE AND TIME: 11/19/2003 11:40

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.188
The Average Y Centroid of the Five Target Set:	0.021
The Average Point of Impact of the Five Target Set:	0.189
The Average Mean Radius of the Five Target Set:	0.607
The Distance from POA to Centroid Target #1:	0.109
The Distance from Centroid Target #2 to Centroid Target #1:	0.210
The Distance from Centroid Target #3 to Centroid Target #1:	0.385
The Distance from Centroid Target #4 to Centroid Target #1:	0.195
The Distance from Centroid Target #5 to Centroid Target #1:	0.182

SERIAL NUMBER: C6225532. __0

TARGET NUMBER: 1

FILE DATE: 11/19/2003

FILE TIME: 11:40

POINT#	X	Y
1:	0.173	1.121
2:	0.170	0.670
3:	-0.212	0.226
4:	-0.869	-0.179
5:	-0.600	-0.250
6:	-0.623	-0.988
7:	1.070	-0.847
8:	0.505	-0.141
9:	0.648	-0.312
10:	0.278	-0.247

X CENTROID: 0.054

Y CENTROID: -0.095

POA TO CENTROID: 0.109

HORZ SPREAD: 1.939

VERT SPREAD: 2.109

GROUP SPREAD: 2.163

MIN RADIUS: 0.271

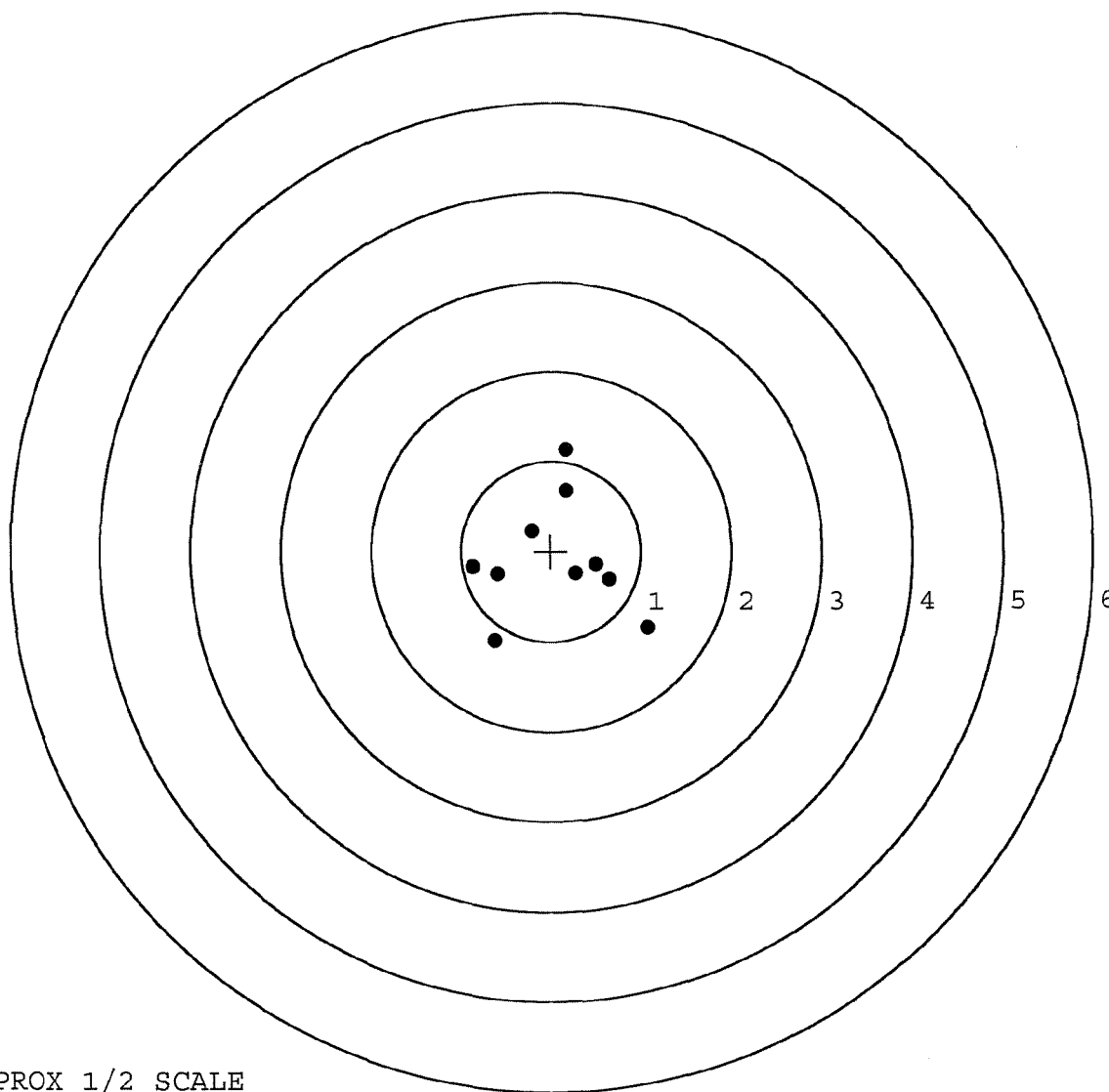
MAX RADIUS: 1.264

MEAN RADIUS: 0.775

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225532. __0

TARGET NUMBER: 2

FILE DATE: 11/19/2003

FILE TIME: 11:40

POINT#	X	Y
1:	0.634	-1.478
2:	0.267	-0.723
3:	0.981	0.038
4:	0.534	0.170
5:	-0.011	0.869
6:	0.111	-0.261
7:	0.114	0.184
8:	0.078	-0.031
9:	-0.087	0.558
10:	-0.006	0.077

X CENTROID: 0.261

Y CENTROID: -0.060

POA TO CENTROID: 0.268

HORZ SPREAD: 1.068

VERT SPREAD: 2.347

GROUP SPREAD: 2.434

MIN RADIUS: 0.186

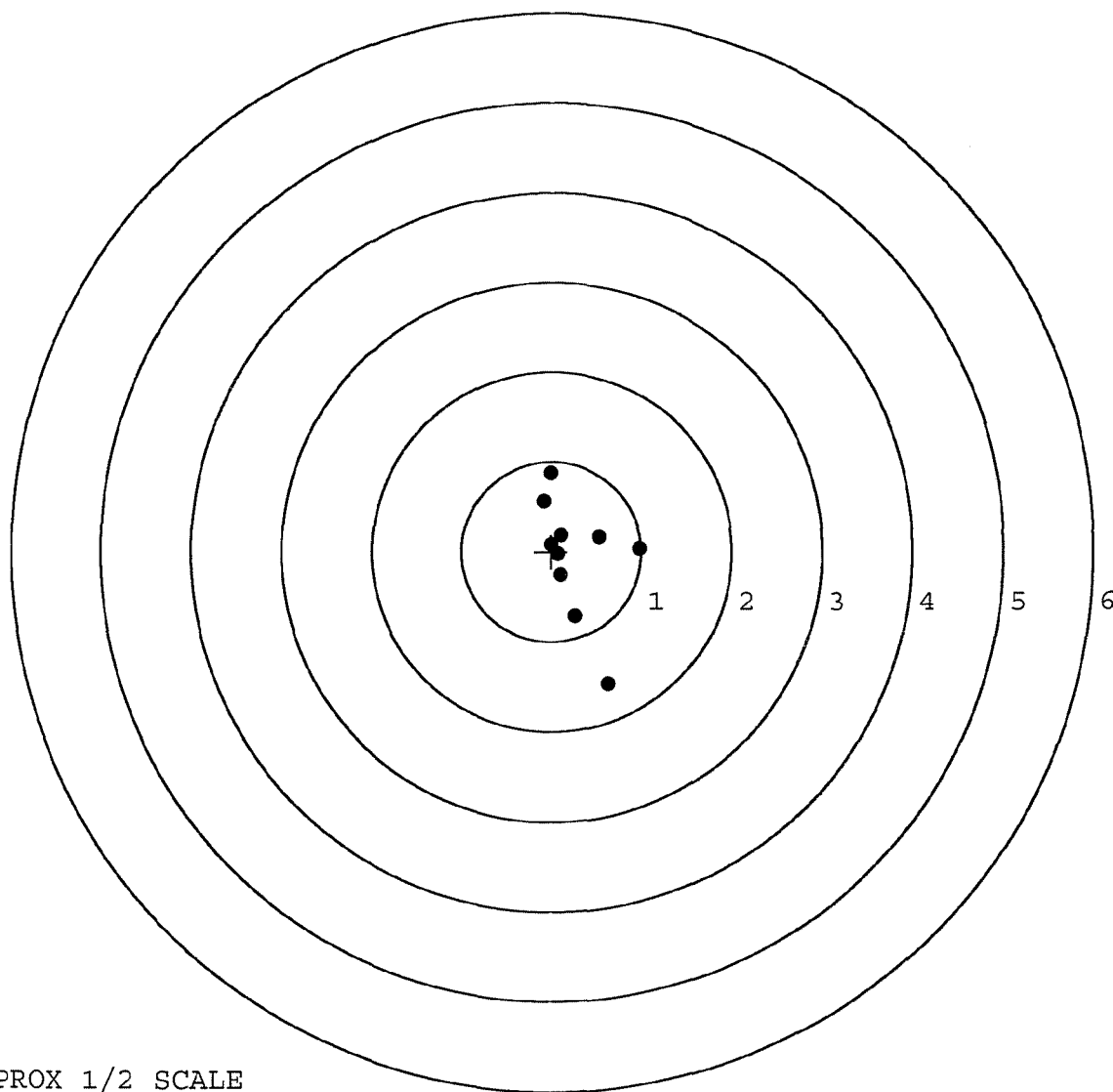
MAX RADIUS: 1.466

MEAN RADIUS: 0.591

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225532. 0

TARGET NUMBER: 3

FILE DATE: 11/19/2003

FILE TIME: 11:40

POINT#	X	Y
1:	1.161	0.504
2:	0.491	0.490
3:	0.629	0.167
4:	0.511	0.197
5:	0.180	-0.205
6:	-0.552	-0.424
7:	-0.202	-0.196
8:	-0.216	0.060
9:	-0.528	1.857
10:	0.547	0.155

X CENTROID: 0.202

Y CENTROID: 0.260

POA TO CENTROID: 0.330

HORZ SPREAD: 1.713

VERT SPREAD: 2.281

GROUP SPREAD: 2.281

MIN RADIUS: 0.315

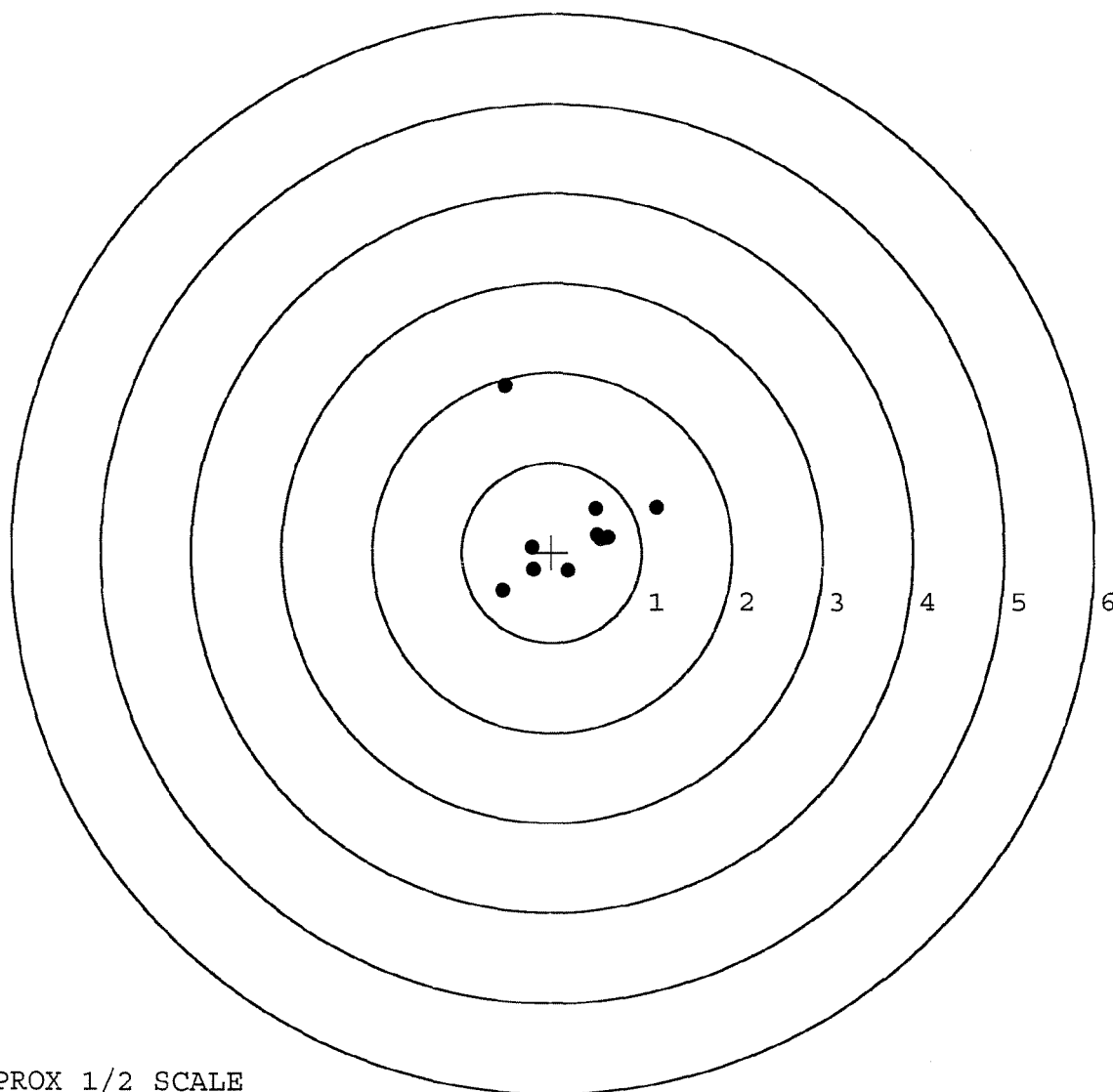
MAX RADIUS: 1.756

MEAN RADIUS: 0.678

IN 1 IN DIAMETER: 6

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225532. __0

TARGET NUMBER: 4

FILE DATE: 11/19/2003

FILE TIME: 11:40

POINT#	X	Y
1:	0.663	1.013
2:	0.386	0.927
3:	0.106	0.491
4:	0.115	0.148
5:	0.234	-0.043
6:	0.319	-0.246
7:	0.195	-0.387
8:	-0.080	-0.308
9:	-0.231	-0.986
10:	0.228	-0.194

X CENTROID: 0.194

Y CENTROID: 0.041

POA TO CENTROID: 0.198

HORZ SPREAD: 0.894

VERT SPREAD: 1.999

GROUP SPREAD: 2.190

MIN RADIUS: 0.094

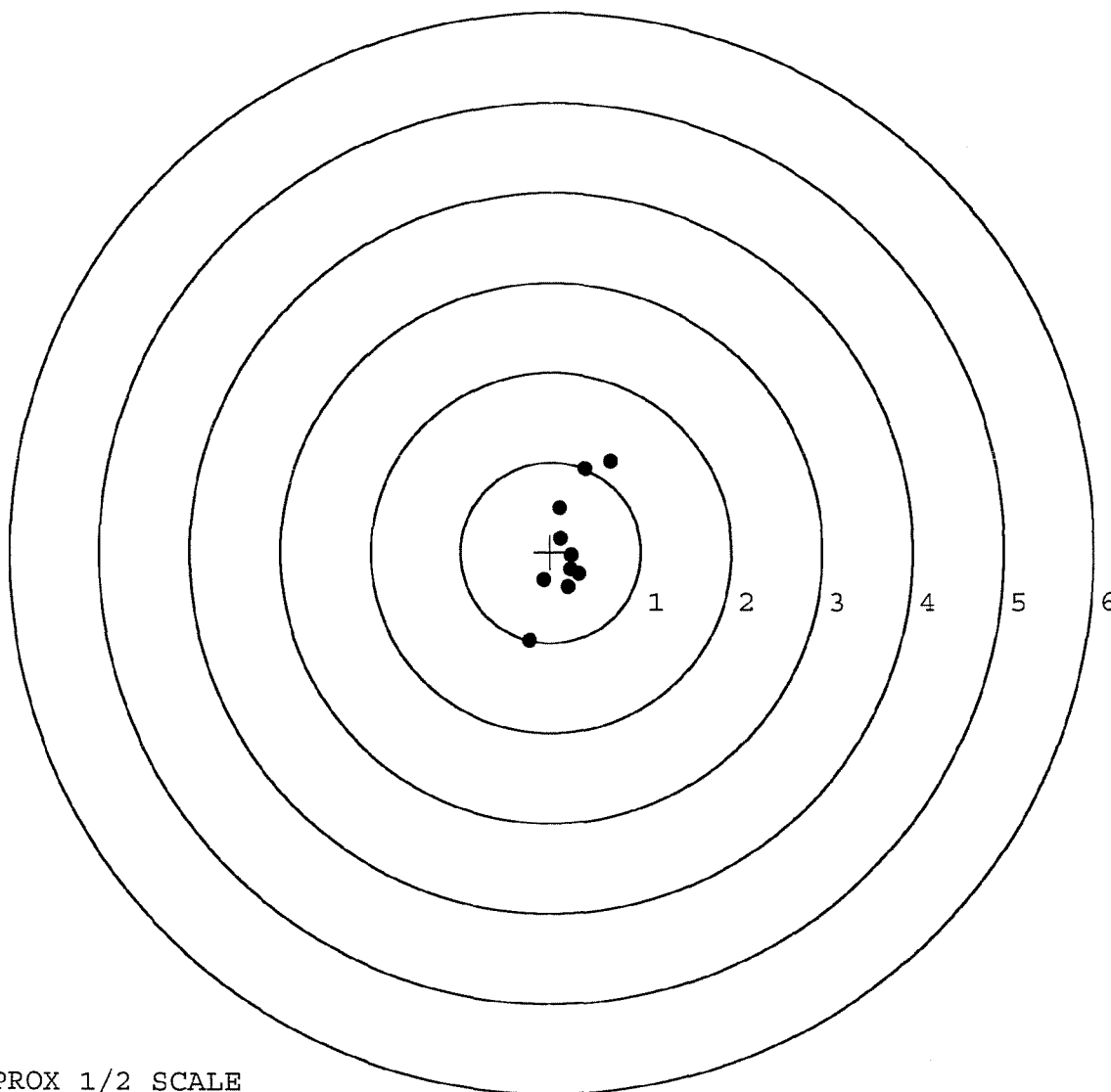
MAX RADIUS: 1.112

MEAN RADIUS: 0.520

IN 1 IN DIAMETER: 7

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225532. __0

TARGET NUMBER: 5

FILE DATE: 11/19/2003

FILE TIME: 11:40

POINT#	X	Y
1:	0.954	-0.229
2:	0.577	0.425
3:	0.164	0.464
4:	-0.118	0.339
5:	-0.306	-0.141
6:	-0.022	-0.414
7:	0.349	-0.533
8:	0.557	-0.399
9:	0.235	-0.025
10:	-0.096	0.063

X CENTROID: 0.229

Y CENTROID: -0.045

POA TO CENTROID: 0.234

HORZ SPREAD: 1.260

VERT SPREAD: 0.997

GROUP SPREAD: 1.263

MIN RADIUS: 0.021

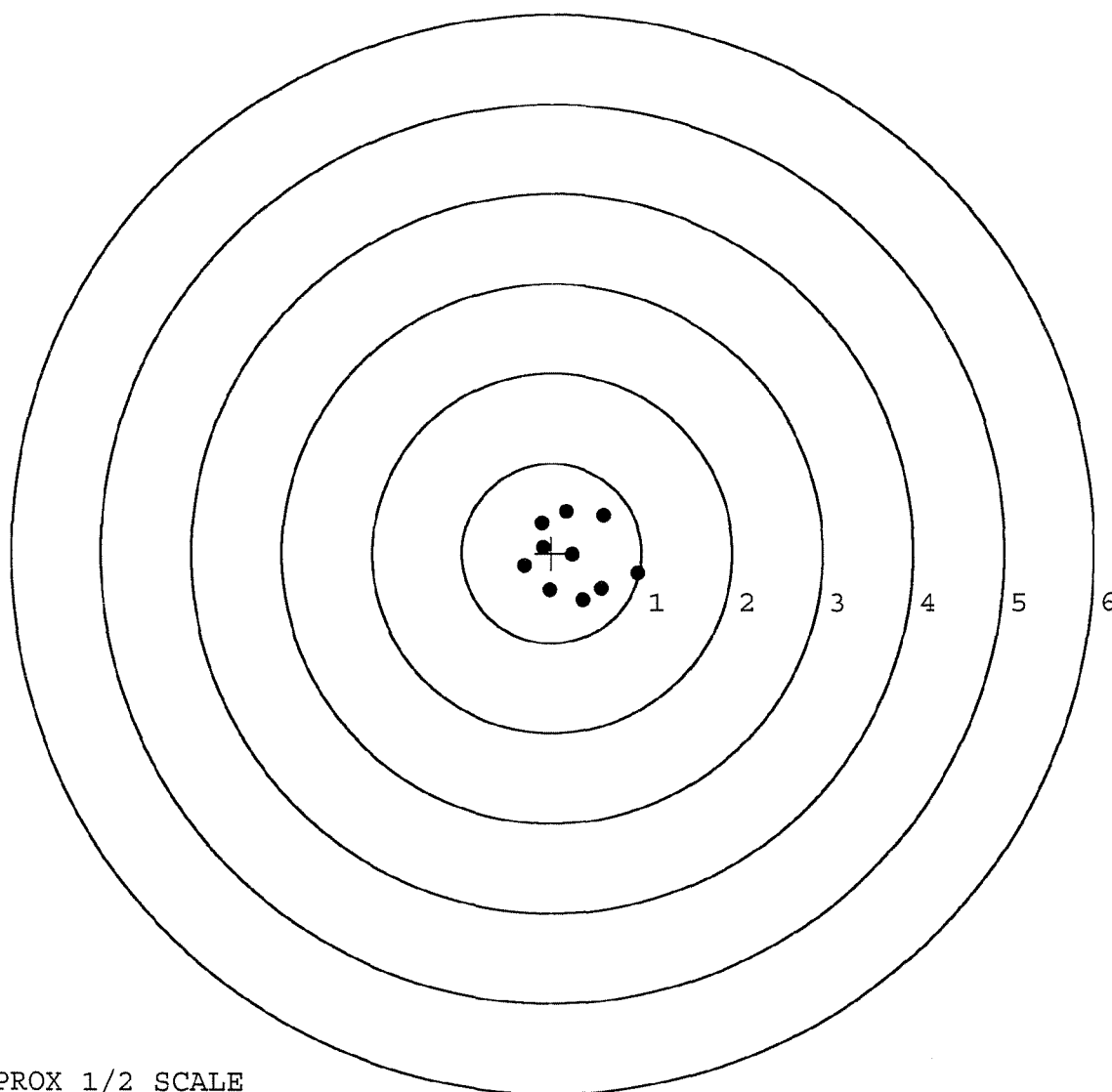
MAX RADIUS: 0.748

MEAN RADIUS: 0.470

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

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 11-3-03

TESTER TRLW

	2.50 LBS INITIAL	2.50 LBS AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50 LBS		COMMENTS
PULL #1	2.71	2.31		2.41	
PULL #2	2.63	2.30		2.36	
PULL #3	2.69	2.27		2.41	
PULL #4	2.56	2.28		2.33	
PULL #5	2.58	2.28		2.32	
TOTAL	13.17	11.44		11.83	
AVERAGE	2.63	2.28		2.36	

	3.00 LBS INITIAL	3.00 LBS AFTER 20 CYCLES		COMMENTS
PULL #1	3.40	3.31		
PULL #2	3.37	3.23		
PULL #3	3.47	3.29		
PULL #4	3.50	3.38		
PULL #5	3.35	3.31		
TOTAL	17.09	16.52		
AVERAGE	3.41	3.30		

	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	4.26	4.13		4.24
PULL #2	4.23	4.14		4.26
PULL #3	4.22	4.18		4.41
PULL #4	4.38	4.14		4.28
PULL #5	4.44	4.23		4.37
TOTAL	21.53	20.82		21.56
AVERAGE	4.30	4.16		4.31

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

R & E NUMBER	71842		
SERIAL NUMBER	C6225532		
LOG-IN DATE	10-22-03		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	11-4-03	RTL
560 A	RE-BARREL	11-5-03	RTL
B	DRILL AND TAP	11-6-03	TRW
575	ASSEMBLE	11-5-03	RTL
600	PROOF	11-5-03	AC
605	CHECK HEADSPACE	11-5-03	AC
610	DIS-ASSEMBLE GUN	11-6-03	RTL
612	MAGNAFLUX	11-7-03	RTL
615	ROLLMARK CALIBER	11-7-03	JS
618	ROTO-BLAST	11/7/2003	Dans
620	APPLY COATINGS	11-11	TA
625 A	FINAL ASSEMBLY	11-14-03	RW
B	TRIGGER PULL TEST	12-16-03	RTL
C	SAFETY "ON" FORCE	12-16-03	RTL
D	SAFETY "OFF" FORCE	12-16-03	RTL
E	FIRING PIN INDENT		
640	TARGET	11-19-03	AC
655	FINAL INSPECT	12-16-03	RTL
660	PACK	12/18/03	DA
		SHIP DATE	
QAR INSPECTION DATE			

"Bbl is rubbing on Stock."

Repair Number: **RE00017005** Serial: **C6225532** Model: **700** Repairman: **New** Status: **11/9/00 2:07 PM**

Address Information

Customer: **PROPERTY BOOK OFFICE (ATTN: CW2 MORA)** Return To: **PROPERTY BOOK OFFICE (ATTN: CW2 MORA)**

Address 1: **3D RANGER BATTALION** Address 2: **BLDG 2459** City: **FORT BENNING** State: **GA** Zip Code: **31905** Country: **US**

Contact / Condition

Contact Information: Phone: **707-2400** Fax: **707-2400** Email: **707-2400** Comments: **707-2400**

Condition: **707-2400** CSR Notes: **707-2400**

Accessories Received

Code	Desc	Qty
A007	With Stud	1
A008	With Swivel	1
A010	Hard Case	1
A016	Scope Mounts	1
A017	Scope Base	1
A026	Scope	1

Repair Search Refresh Close

Start In Out S Ex P JAL ME HT DL S 11/9/00 2:07 PM

Serial Number:

C6225532

Model: **700**



RE00017005

Remington



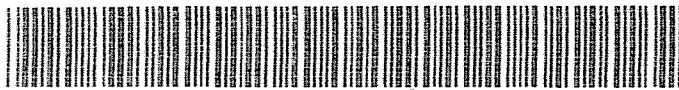
VERY IMPORTANT:
Instruction Book
enclosed to assure
safe use of this
firearm.

MODEL 700TM H24

SERIAL NO.
C6225532

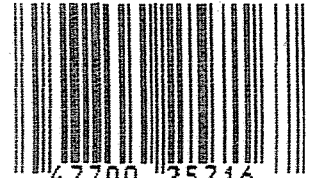
ORDER NO.
5716

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



5716 C6225532

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225532

OP. #	OP. NAME	READINGS	DATE	INITIAL
575 & 580	Assemble Action and Stock	1 25	89	RW
600	Proof	1 25	89	RW
607	Check Headspace	1 25	89	RW
610	Dis-assemble Gun	1 25	89	RW
612	Magnaflux Barrel Action		1-27-89	RPL.
	Magnaflux Bolt		1-27-89	KCR
615	Rollmark Caliber		1/30	G.S.
617	Drill and Tap Sight Holes	2 1	89	FB
618	Polish Barrel	2 1	89	BT
620	Apply Coatings (Barrel Action)		2-10-89	TJA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		2/27/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		2/27/89	RW
	C) Inspect Ejector Hole for Chamfer		2/27/89	RW
	D) Oil Firing Pin Ass'y		2/27/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		2/28/89	WB

op. #	OP. NAME	READINGS					DATE	INITIAL
625 cont.	F) Safety On Force	5	4 3/4	5			WLB	3/1/89
	G) Safety Off Force	3	3	3 1/4			4/28/89	J.U.
	H) Trigger Pull Test & Retainability						WLB	3/1/89
	I) Firing Pin Indent	.020	.020	.02025			WLB	3/1/89
	J) Assemble Stock						3/2/89	RW
	K) Assemble Swivel Studs						7/1/89	JLS
	L) Attach Front and Rear Sight Assemblies						3/2/89	RW
	M) Iron Sight Alignment						3/2/89	RW
	N) Detach Front & Rear Sights & place in numbered container						3/2/89	RW
	O) Attach Scope to Rifle						3/2/89	WLB
	P) Detach & Attach Scope 20 Times						3/2/89	WLB
640	Gallery Target & Test	442	109L				3-3-89	AC
	A) Time						"	AC
	B) Malfunctions			NONE			"	AC
	C) Pierced Primers			NONE			"	AC
	D) Optical Clarity of Scope			OK			"	AC
645	Inspect for Live Ammo			NONE			3-3-89	AC
655	Final Inspection							
	A) Headspace						7/1/89	JLS
	B) Trigger Pull	2.18	2.32	2.29	2.30	2.29	7/1/89	JLS
	C) Function						7/1/89	JLS
660	Pack						8/1/89	JLS

SWS TRIGGER PULL TEST

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

SERIAL NO. C6225532

DATE 27 Feb 89

TESTER J.U.

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.36	2.34	2.42	2.18	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.41	2.29	2.36	2.32	
PULL #3	2.36	2.16	2.38	2.29	
PULL #4	2.33	2.20	2.23	2.30	
PULL #5	2.37	2.26	2.30	2.29	
TOTAL	11.83	11.25	11.69	11.38	
AVG.	2.366	2.25	2.338	2.276	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.31	3.20		
PULL #2	3.21	3.26		
PULL #3	3.25	3.29		
PULL #4	3.32	3.19		
PULL #5	3.21	3.35		
TOTAL	16.30	16.29		
AVG.	3.260	3.258		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.12	4.29		4.21
PULL #2	4.19	4.27		4.28
PULL #3	4.21	4.27		4.27
PULL #4	4.22	4.29		4.27
PULL #5	4.22	4.29		4.27
TOTAL	20.96	21.41		21.30
AVG.	4.192	4.282		4.260

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225532
6 Mar 1989

CENTROIDAL DISTANCES

0 TO	1	.89594
1 TO	2	.757151
1 TO	3	.724294
1 TO	4	1.34036
1 TO	5	.973605

1 $\frac{5}{4}$ <----FOR

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.1279
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.2232
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .257199
THE AMR FOR THIS RIFLE IS: .8518

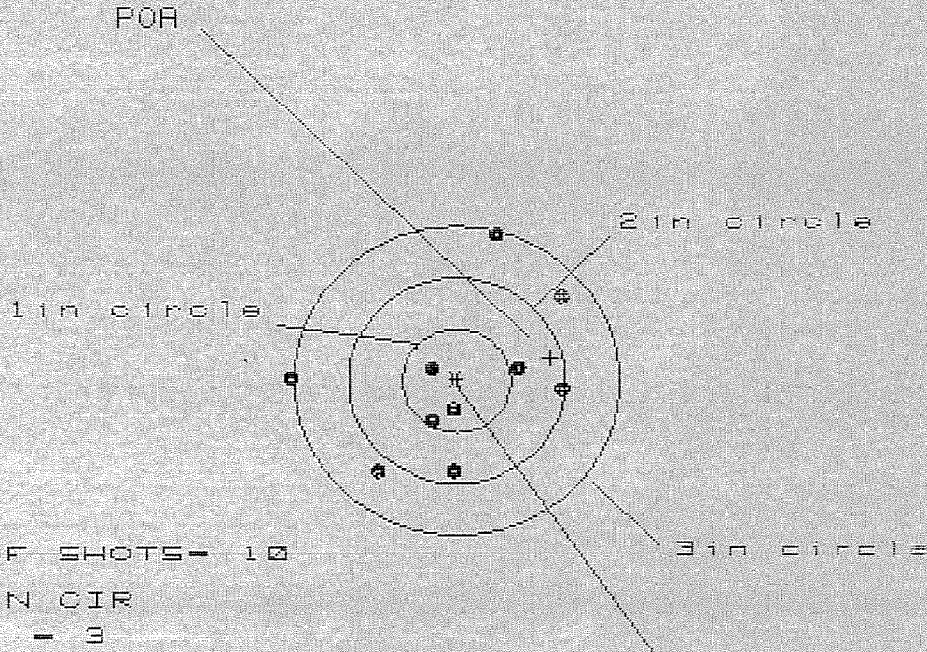
3 Mar 1989

FILE:/PATTERNING/CENTERFIRE_PATT.PUN

06225532

CENTERFIRE PATTERNS

1



OF SHOTS = 10

IN CIR

1 in = 3

2 in = 6

3 in = 8

HS = 2.547

VS = 2.372

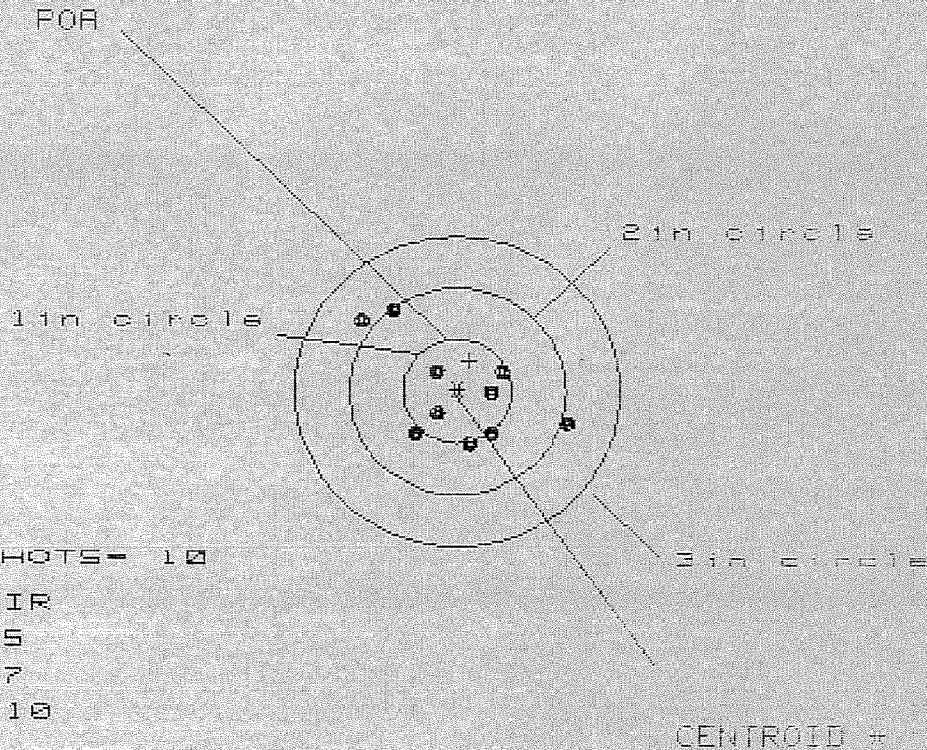
GS = 2.671

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.995	.822	.847
MINIMUM X	:	-1.552	-.919	-.894
MAXIMUM Y	:	1.454	1.456	1.806
MINIMUM Y	:	-.918	-.916	-.734
CENTROID X	:	-.868	-.695	-.720
CENTROID Y	:	-.222	-.224	-.406
POA TO CENTROID in.	:	.896	.731	.826
MIN RADIUS	:	.265	.350	.219
MEAN RADIUS	:	.890	.816	.785
MAX RADIUS	:	1.552	1.469	1.315
HORIZONTAL SPREAD	:	2.547	1.741	1.741
VERTICAL SPREAD	:	2.372	2.372	1.740
EXTREME SPREAD	:	2.671	2.621	2.461
NUMBER IN ONE INCH CIRCLE =			3	
NUMBER IN TWO INCH CIRCLE =			6	
NUMBER IN THREE INCH CIRCLE =			8	

3 Mar 1985

FILE:/PATTERNING/CENTERFIRE_PATT/RUN

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1in = 5

2in = 7

3in = 10

HS= 1.823

VS= 1.314

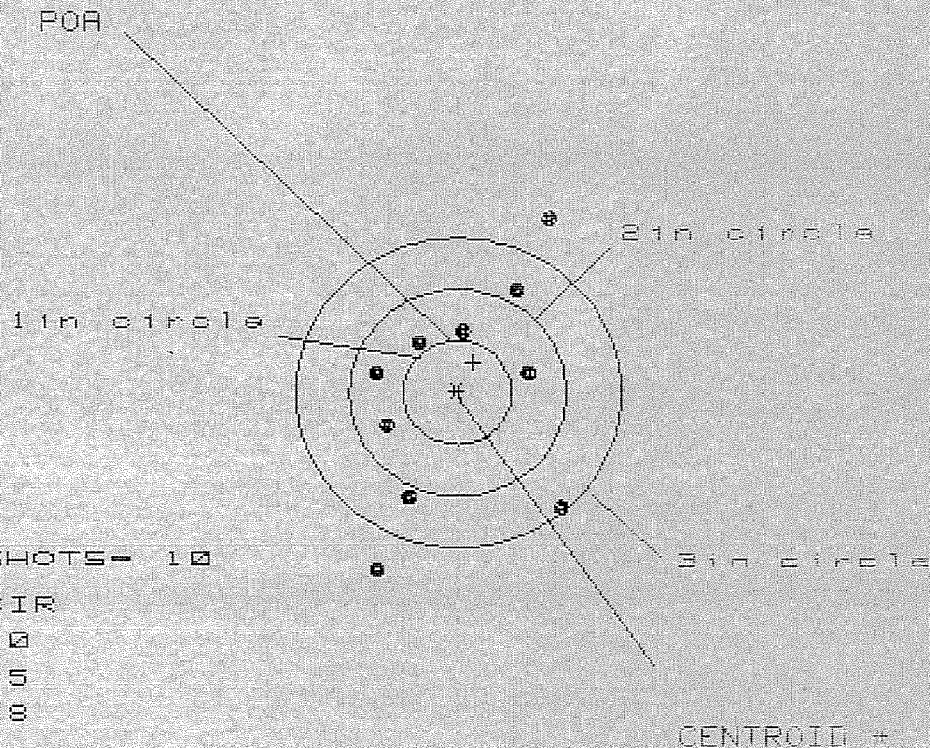
GS= 2.069

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.971	.876	.787
MINIMUM X	:	-.852	-.708	-.536
MAXIMUM Y	:	.829	.900	.377
MINIMUM Y	:	-.485	-.414	-.301
CENTROID X	:	-.114	-.019	.069
CENTROID Y	:	-.291	-.362	-.475
POA TO CENTROID in.	:	.312	.363	.480
MIN RADIUS	:	.243	.265	.259
MEAN RADIUS	:	.604	.537	.447
MAX RADIUS	:	1.070	1.145	.801
HORIZONTAL SPREAD	:	1.823	1.584	1.324
VERTICAL SPREAD	:	1.314	1.314	.678
EXTREME SPREAD	:	2.069	1.963	1.325
NUMBER IN ONE INCH CIRCLE	=		5	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

3 Mar 1989

FILE:/PATTERNING/CENTERFIRE_PATT/RUN

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1in = 0

2in = 5

3in = 8

HS= 1.653

VS= 3.324

GS= 3.648

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.913	1.001	.924
MINIMUM X	:	-.740	-.652	-.729
MAXIMUM Y	:	1.664	1.189	1.004
MINIMUM Y	:	-1.660	-1.475	-1.149
CENTROID X	:	-.147	-.235	-.158
CENTROID Y	:	-.291	-.476	-.291
POA TO CENTROID in.	:	.326	.531	.332
MIN RADIUS	:	.553	.551	.555
MEAN RADIUS	:	1.061	.976	.868
MAX RADIUS	:	1.846	1.599	1.474
HORIZONTAL SPREAD	:	1.653	1.653	1.653
VERTICAL SPREAD	:	3.324	2.664	2.153
EXTREME SPREAD	:	3.648	2.930	2.206
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

3 Mar 1985

FILE:/PATTERNING/CENTERFIRE_PATT/RUN

CENTERFIRE PATTERNS

4

POA

1in circle

2in circle

3in circle

CENTROID #

OF SHOTS- 10

IN CIR

1in = 5

2in = 7

3in = 9

HS= 2.033

VS= 2.772

GS= 2.881

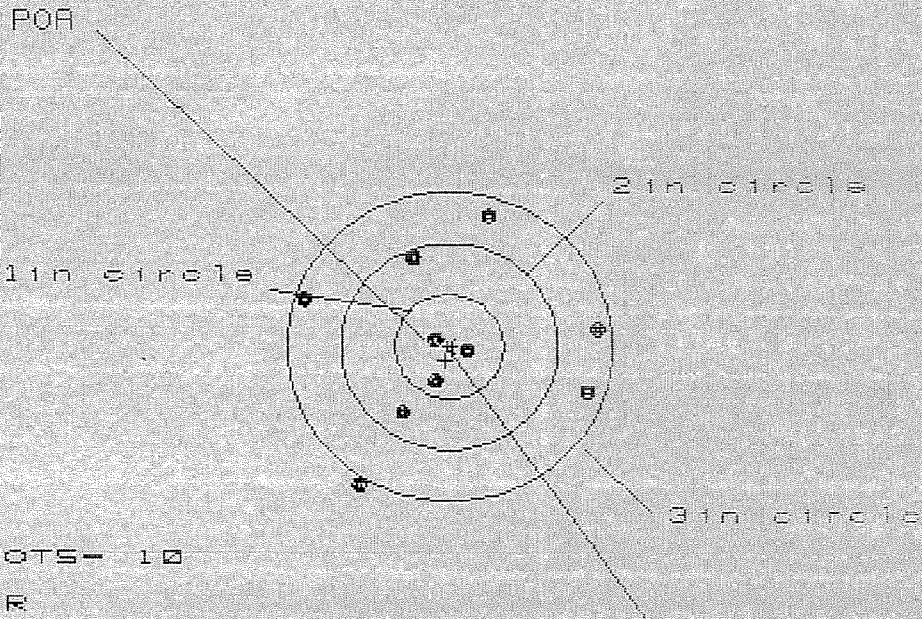
PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.154	1.101	.686
MINIMUM X	:	-.879	-.932	-.794
MAXIMUM Y	:	.679	.446	.451
MINIMUM Y	:	-2.093	-.576	-.571
CENTROID X	:	.453	.506	.368
CENTROID Y	:	-.449	-.216	-.221
POA TO CENTROID in.	:	.637	.550	.429
MIN RADIUS	:	.265	.141	.023
MEAN RADIUS	:	.761	.572	.493
MAX RADIUS	:	2.147	1.102	.913
HORIZONTAL SPREAD	:	2.033	2.033	1.480
VERTICAL SPREAD	:	2.772	1.022	1.022
EXTREME SPREAD	:	2.881	2.073	1.483
NUMBER IN ONE INCH CIRCLE	=		5	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

3 Mar 1989

FILE:/PATTERNING/CENTERFIRE_PATT/RUN

CENTERFIRE PATTERNS

5



OF SHOTS- 10

IN CIR

1in = 3

2in = 5

3in = 9

HS= 2.760

VS= 2.681

GS= 2.932

CENTROID *

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.390	1.300	1.118
MINIMUM X	:	-1.370	-1.460	-.745
MAXIMUM Y	:	1.311	1.158	1.200
MINIMUM Y	:	-1.370	-.746	-.704
CENTROID X	:	.037	.127	.309
CENTROID Y	:	.137	.290	.248
POA TO CENTROID in.	:	.142	.316	.396
MIN RADIUS	:	.113	.223	.190
MEAN RADIUS	:	.943	.891	.820
MAX RADIUS	:	1.590	1.497	1.205
HORIZONTAL SPREAD	:	2.760	2.760	1.863
VERTICAL SPREAD	:	2.681	1.904	1.904
EXTREME SPREAD	:	2.932	2.790	2.087
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

RC54

M-24

LJ 3/89

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C 6275532

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock			
600	Proof			
607	Check Headspace			
610	Dis-assemble Gun			
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			
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head			
	C) Inspect Ejector Hole for Chamfer			
	D) Oil Firing Pin Ass'y			
	E) Adjust Trigger Pull to Min Setting and Stake			

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4 1/2	4 1/2	4 1/4			2/27/90	WB
	G) Safety Off Force	2	2	2			2/27/90	WB
	H) Trigger Pull Test & Retainability							
	I) Firing Pin Indent	.021	.021	.021			2/27/90	WB
	J) Assemble Stock							
	K) Assemble Swivel Studs						2/27/90	WB
	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						2/26/90	DH
	A) Time						2/26/90	DH
	B) Malfunctions						2/26/90	DH
	C) Pierced Primers						2/26/90	DH
	D) Optical Clarity of Scope						2/26/90	DH
645	Inspect for Live Ammo						2/26/90	DH
655	Final Inspection						2/27/90	WB
	A) Headspace							
	B) Trigger Pull	2.37	2.37	2.39	2.37	2.41	2/27/90	WB
	C) Function						2/27/90	WB
660	Pack							

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225532
26 Feb 1990

CENTROIDAL DISTANCES

0 TO	1	.397936
1 TO	2	.55609
1 TO	3	.316261
1 TO	4	.244499
1 TO	5	.124193

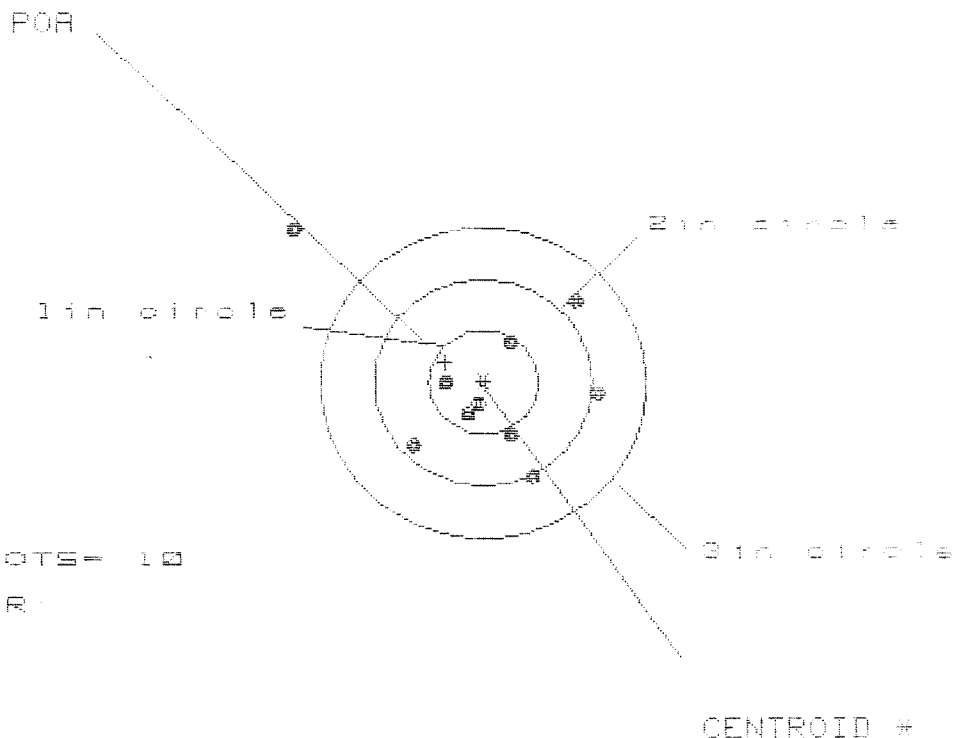
$\bar{x}$ $\bar{y}$ (----POI)

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .377
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0118
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .377185
THE AMR FOR THIS RIFLE IS: .9364

28 Feb 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08225532

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIRC

1in = 3

2in = 6

3in = 9

HS= 2.836

VS= 2.391

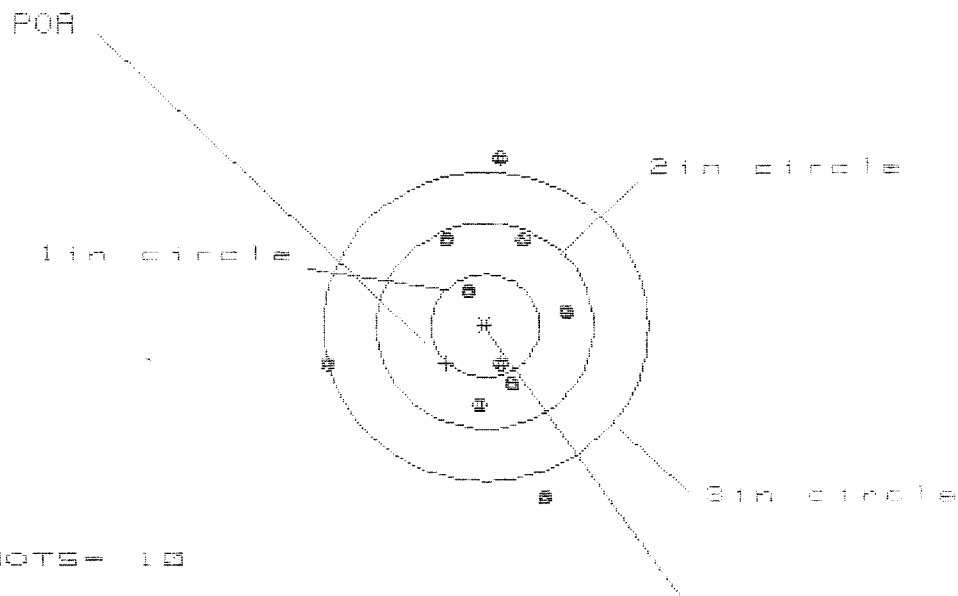
GS= 3.258

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.100	.907	.932
MINIMUM X	:	-1.736	-.842	-.757
MAXIMUM Y	:	1.461	.943	.719
MINIMUM Y	:	-.930	-.768	-.650
CENTROID X	:	.348	.541	.456
CENTROID Y	:	-.193	-.355	-.473
POA TO CENTROID in.	:	.398	.647	.657
MIN RADIUS	:	.257	.298	.207
MEAN RADIUS	:	.851	.673	.578
MAX RADIUS	:	2.269	1.159	1.016
HORIZONTAL SPREAD	:	2.836	1.749	1.749
VERTICAL SPREAD	:	2.391	1.711	1.369
EXTREME SPREAD	:	3.258	2.038	1.825
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

28 Feb 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06825532

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 7

3 in = 7

HS= 2.201

VS= 3.272

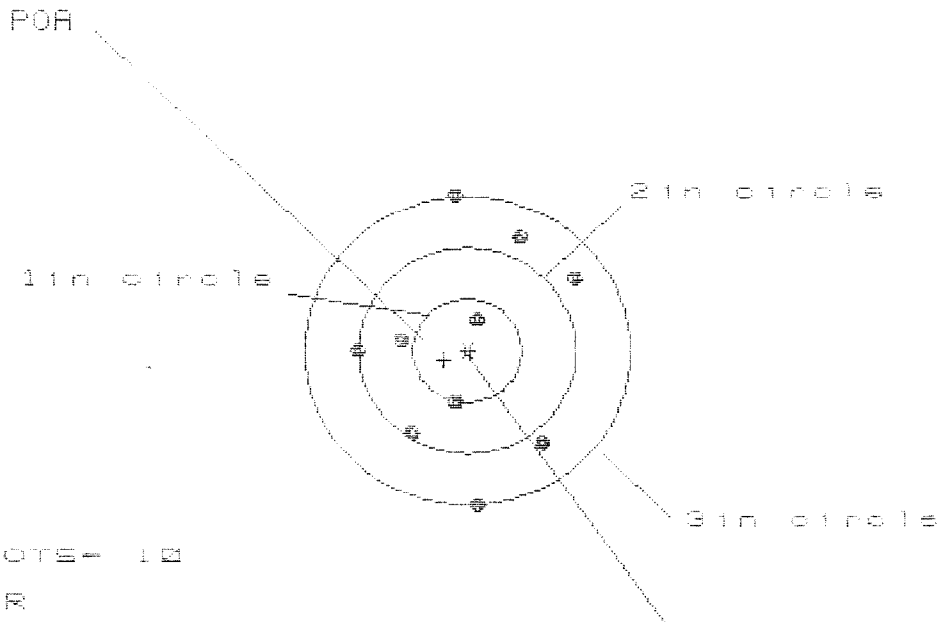
GS= 3.290

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.726	.781	.806
MINIMUM X	:	-1.475	-1.420	-1.395
MAXIMUM Y	:	1.605	1.420	.818
MINIMUM Y	:	-1.667	-.913	-.736
CENTROID X	:	.358	.303	.278
CENTROID Y	:	.363	.548	.371
POR TO CENTROID in.	:	.510	.626	.463
MIN RADIUS	:	.356	.188	.344
MEAN RADIUS	:	.944	.846	.767
MAX RADIUS	:	1.738	1.510	1.435
HORIZONTAL SPREAD	:	2.201	2.201	2.201
VERTICAL SPREAD	:	3.272	2.333	1.554
EXTREME SPREAD	:	3.290	2.523	2.241
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		7	

26 Feb 1988

FILE:/PATTERNING/CENTERFIRE_PATT/08225532

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1in = 1

2in = 5

3in = 9

HS= 2.014

VS= 3.016

GS= 3.021

CENTROID *

PATTERN #	3
SHOTS (BEST OF)	10
MAXIMUM X	1.022
MINIMUM X	-0.992
MAXIMUM Y	1.479
MINIMUM Y	-1.537
CENTROID X	.213
CENTROID Y	.093
POA TO CENTROID in.	.233
MIN RADIUS	.306
MEAN RADIUS	1.003
MAX RADIUS	1.538
HORIZONTAL SPREAD	2.014
VERTICAL SPREAD	3.016
EXTREME SPREAD	3.021
NUMBER IN ONE INCH CIRCLE =	1
NUMBER IN TWO INCH CIRCLE =	5
NUMBER IN THREE INCH CIRCLE =	9

26 Feb 1990

FILE:/PATTERNING/CENTERFIRE_PATT/08225532

CENTERFIRE PATTERNS

4

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS= 10

IN CIR

1in = 2

2in = 6

3in = 9

HS= 2.029

VS= 2.011

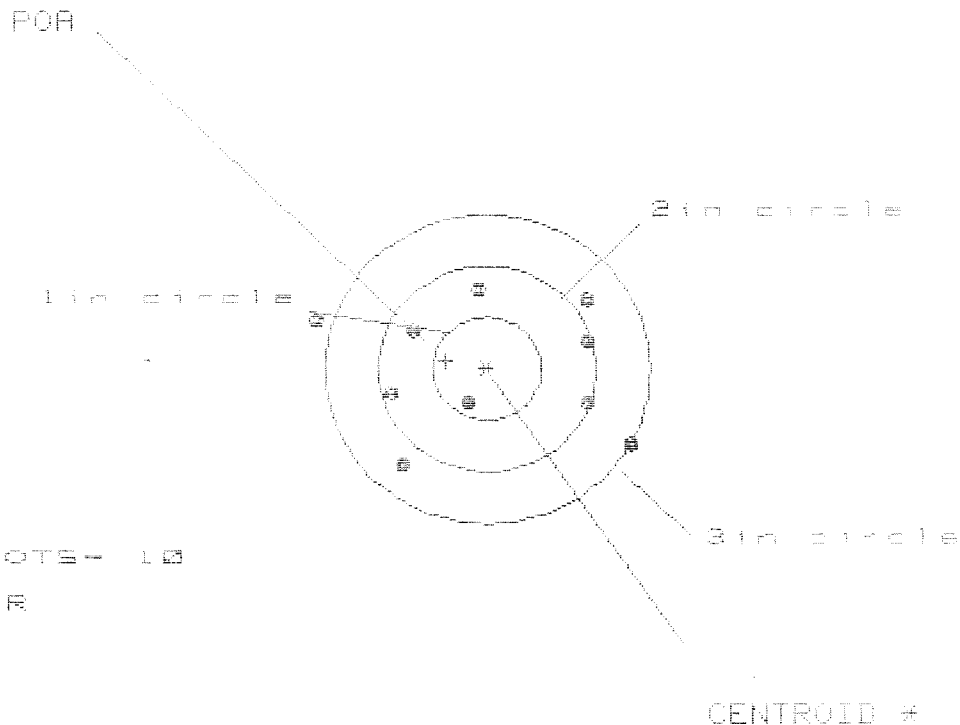
GS= 2.747

PATTERN #	:	1	2	3
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.903	.778	.774
MINIMUM X	:	-1.126	-1.229	-1.233
MAXIMUM Y	:	.763	.626	.453
MINIMUM Y	:	-1.249	-1.385	-.800
CENTROID X	:	.586	.711	.715
CENTROID Y	:	-.249	-.112	.061
POA TO CENTROID in.	:	.637	.720	.718
MIN RADIUS	:	.049	.146	.242
MEAN RADIUS	:	.853	.728	.628
MAX RADIUS	:	1.670	1.385	1.246
HORIZONTAL SPREAD	:	2.029	2.007	2.007
VERTICAL SPREAD	:	2.011	2.011	1.253
EXTREME SPREAD	:	2.747	2.119	2.022
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

28 Feb 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06225538

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 1

2in = 5

3in = 8

HS= 2.891

VS= 1.649

GS= 3.152

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.312	1.137	.920
MINIMUM X	:	-1.579	-1.037	-.895
MAXIMUM Y	:	.756	.812	.725
MINIMUM Y	:	-.893	-.837	-.924
CENTROID X	:	.380	.555	.413
CENTROID Y	:	-.073	-.129	-.042
POA TO CENTROID in.	:	.387	.570	.415
MIN RADIUS	:	.421	.488	.465
MEAN RADIUS	:	1.031	.958	.894
MAX RADIUS	:	1.656	1.334	1.231
HORIZONTAL SPREAD	:	2.891	2.174	1.815
VERTICAL SPREAD	:	1.649	1.649	1.049
EXTREME SPREAD	:	3.152	2.337	2.337
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

[illegible]

GENERAL PURPOSE & FIELD

SUBJECT: WARRANTY REPAIR

DATE: 30 Jan 90

TYPE EQUIPMENT Rifle

MAKE: Remington

MODEL: M-24

SERIAL NUMBER: C 6 2 2 5 5 3 2

DATE OF PURCHASE:

PERSON CONTACTED OR RA NUMBER:

EQUIPMENT PROBLEMS: Re Ferbish BARREL

POINT OF CONTACT {FORT BENNING, GEORGIA} AND PHONE NUMBER:

on George Richards
Mr. COCKER {404} 545-2865/3201

~~NOTE: ANY WORK NOT COVERED BY THE WARRANTY WILL NOT BE REIMBURSED WITHOUT
PRIOR AUTHORIZATION FROM THE PROCUREMENT DIVISION AT FORT BENNING, GEORGIA~~

WHEN REPAIR IS COMPLETED, PLEASE RETURN TO:

MAINTENANCE DIVISION, USAIC
ATTN: ATZB-L-AM-Q
BUILDING 228
FORT BENNING, GEORGIA 31905-5174

MAINTENANCE REQUEST

For use of this form, see DA PAM 738 750; the proponent agency is DCSLOG.

PAGE NO.

1

NO. OF PAGES

REQUIREMENT CONTROL SYMBOL

C9GLD-1047(R1)

SECTION I - EQUIPMENT DATA

CONTROL NUMBER

WORK ORDER NUMBER

WESDC

ORG PD

PD AUTHENTICATION

W.R. SANDERS

☐ WORK REQUEST

☐ MWO

☒ WARRANTY CLAIM

1a. ORGANIZATION

QA INSPECTION SECTION (1)

b. LOCATION

PORT WASHINGTON, GA 31905-5174

c. UNIT IDENT CODE

WOU218

2. SERIAL NO.

3. NOUN NOMENCLATURE

4. LINE NO.

5. MODEL

6. NATIONAL STOCK NUMBER

7. MAINTENANCE ACTIVITY

a. LEVEL

b. UTILIZATION CODE

9. MCSR ITEM

a. ERC

b. PACING ITEM

10. HOURS

11. MILES

12. ROUNDS

13. STARTS

14. FAILURE DETECTED DURING (Select one - use $\checkmark$ or X)

☐ A Scheduled Maintenance ☐ C Test ☐ E Storage ☐ G Flight
☐ B Handling ☐ D Normal Op ☐ F Inspection ☐ H Other

15. FIRST INDICATION OF TROUBLE (Select one - use $\checkmark$ or X)

☐ 068 Inoperative ☐ 258 Overheating ☐ 790 Out of Adjustment
☐ 008 Noisy ☐ 387 Low Performance ☐ Other

16. DESCRIBE DEFICIENCIES OR SYMPTOMS ON THE BASIS OF COMPLETE CHECKOUT AND DIAGNOSTIC PROCEDURE IN EQUIPMENT TM (Do not prescribe repairs)

REQUEST WARRANTY ACTION

16a. REMARKS

QA INSPECTION SECTION (1)

DOL, MAINT DIVISION

(404) 545-2865/3201

AV 835-2865/3201

SECTION II - WORK ACCOMPLISHED

17a. REPAIR ORGANIZATION/ACTIVITY

c. UNIT IDENT CODE

18. TYPE ORGANIZATION/ACTIVITY AC-
COMPLISHING WORK (Select one - use $\checkmark$ or X)

19. AMS ACCOUNT CODE

b. LOCATION

☐ 1 TOE

☐ 2 TD

☐ 3 CONTRACTOR

20a.
ACT
CODE

FAILURE
CODE
b

c. COMPONENT/PART NOUN, SVC, OR MWO NO.

d. CB CODE

e. REF DESIGNATOR

f. MFR CODE

MANHOURS
(hrs & tenths)
g

NATIONAL STOCK NUMBER
h

PART SOURCE
CODE
i

QTY
j

PARTS COST
k

l. TOTAL MANHOURS

m. TOTAL MANHOURS COST

n. TOTAL PARTS COST

\$

\$

21. DELAY (Select one)

☐ 1 Parts

☐ 2 Manpower

☐ 3 Facilities

☐ 4 Funds

☐ 5 Tools

22. ☐ DATA TRANSCRIBED

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER

KINZER V. REMINGTON

M2400050850

RECEIVING AND ESTIMATING REPORT

INITIAL JJM		CUSTOMER ORDER NO.		COMMENTS W/10X LEUPOLD SCOPE	
DATE RECEIVED 01/29/90	DATE OPENED 02/05/90	DATE CODE LJ 3/89	SERIAL NUMBER C6225532	MODEL AND GRADE 9999 7.62 NATO	ORDER 90-04531
ACCESSORIES S&W STRAP		W/STUDS		W/SWIVELS HARD CASE	

FROM:

MAINTENANCE DIVISION, USAIC
ATTN ATZB-LOM-Q
BLDG 228
FORT BENNING GA 31905-5174

SHIP TO:

MAINTENANCE DIVISION, USAIC
ATTN ATZB-LOM-Q
BLDG 228
FORT BENNING GA
31905-5174

ACCOUNT NUMBER	ACCOUNT NUMBER N/C	WRITE ☐	PROM. DATE	ESTIMATED	VIA UPS
----------------	--------------------	--------------------------------	------------	-----------	------------

--

REPAIR CHARGE	TAX	INSURANCE	UPS	PARCEL POST	TOTAL
---------------	-----	-----------	-----	-------------	-------

GUN CONDITION:

NEW

☒ SLIGHTLY WORN

☐ VERY WORN

☐ MISUSED

☐ MARRED

CUSTOMER'S REQUEST

MAIN FAULT

- ① REPOWER COAT BARREL ACTION
- ② CLEAN & REUSE TRIGGER ASSY
- ③ TEST TRIGGER PULL
- ④ FUNCTION & BENCH TEST

[illegible]

RD6925 REV. 6/88

OFFICE COPY

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

M2400050852

#5.

EL225532

ASSEM.

TEST INIT. ACTION TO CORRECT

#

PROOF	Close hand on live Round	
TEST		
TGT		
PROOF	New EXtractor	
TEST		
TGT		
PROOF	ENGINEER	
TEST		
TGT		
PROOF	ENGINEER	
TEST		
TGT		

MOD. _____ GA. CAL. _____ GUN # _____

# TEST	DATE	MALFUNCTION/DEFECT	ASSEM. #
	1st		
	2nd		
	3rd		
	4th		

FUNCTION _____

RD 6654 Rev 1

RECEIVING AND ESTIMATING REPORT

COMMENTS

ORDER
R 97-11807INITIAL
JJM

CUSTOMER ORDER NO.

DATE RECEIVED
06/24/97DATE OPENED
06/24/97

DATE CODE

SERIAL NUMBER
C6225532

NEW SERIAL NUMBER

MODEL AND GRADE
700 7.62

NATO

ACCESSORIES

FROM:

TRANSPORTATION OFFICER USAIC
ATTN ATZB-LOT-MM
BLDG 280
FORT BENNING

GA 31905

SHIP TO:

TRANSPORTATION OFFICER USAIC
ATTN ATZB-LOT-MM
BLDG 280
FORT BENNING

GA

31905

CUST NO: 161641 C.O.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

BOLT ASSY.

B3

BARREL ASSY.

B4

REC. ASSY.

B5

WOOD

C1

D3

METAL

C2

MAIN FAULT

PARTS

COMMENTS

Barrel 96003
Stock 96018
Bolt - 96006

Repowder Coat Trigger Guard
Assy, Front & Rear Sight Bases
ReZinc Scope Base & Swivel Studs

REPAIRMAN

PROOF

CLEAN

TEST

TARGET

PATTERN

GALLERY TESTER

DATE

DATE

DATE

DATE

DATE

OFFICE COPY

RD9925 REV. 6/95

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

M2400050855

21 DAY TURN - AROUND

New
Barrel,
Stock &
Boit

M-24

CONTRACT # DAAA09-92-C-0834

Customer Returned
Wrong Boit

R&E NO.

SERIAL NO. C6225532

LOG IN DATE: / /		DATE	INIT.
INSPECT & VERIFY:			
OP. #	OP. NAME		
550	DIS-ASSEMBLE GUN		
560 A	RE-BARREL AT CUSTOM SHOP		
B	DRILL & TAP		
C	POLISH		
575	ASSEMBLE		
600	PROOF	6-27-97	A
605	CHECK HEADSPACE	6-27-97	A2
610	DIS-ASSEMBLE		
612	MAGNAFLUX		
615	ROLLMARK CALIBER		
618	ROTO-BLAST		
620	APPLY COATINGS		
625 A	FINAL ASSEMBLY	8-15-97	RW
B	TRIGGER PULL TEST		
C	SAFETY ON FORCE		
D	SAFETY OFF FORCE		
E	FIRING PIN INDENT	.021	.020
640	TARGET	8-19-97	RT
655	FINAL INSPECT	8-21-97	RW
660	PACK		

QAR INSPECTION

SHIP DATE

Final Inspection

Sri: C6225532

DATE REC'D: 6-24-97

DATE RET'D:

AUDITOR: CW

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:

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # C6225532
19 Aug 1997

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0484
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1246
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .13367

THE AMR FOR THIS RIFLE IS: .9228

CENTROIDAL DISTANCES

Ø TO	1	.222009
1 TO	2	.165387
1 TO	3	.0802309
1 TO	4	.393672
1 TO	5	.386167

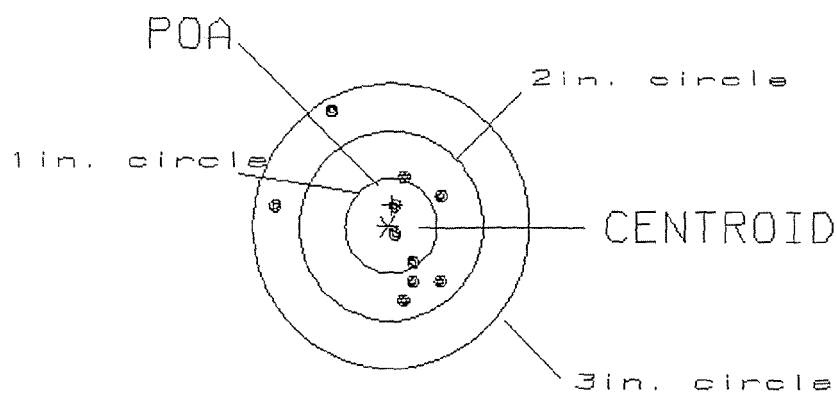
5
+ <----POA
3| 2 4

PATTERN #: 1
 POA TO CENTROID: .221
 MIN RADIUS : .109
 MEAN RADIUS : .683
 MAX RADIUS : 1.376
 CENTROID X : -.042
 CENTROID Y : -.218

19 Aug 1997

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/C6225532

CENTERFIRE PATTERN # 1



OF SHOTS= 10

IN CIRCLE

HS= 1.74

3

VS= 2.02

8

GS= 2.16

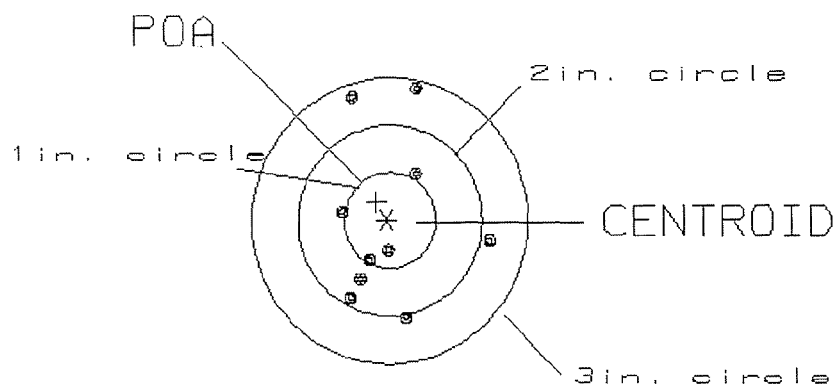
10

PATTERN #: 2
 POA TO CENTROID: .225
 MIN RADIUS : .271
 MEAN RADIUS : .819
 MAX RADIUS : 1.421
 CENTROID X : .121
 CENTROID Y : -.190

19 Aug 1997

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/C6225532

CENTERFIRE PATTERN # 2



OF SHOTS= 10

IN CIRCLE

HS= 1.55

2

VS= 2.35

7

GS= 2.35

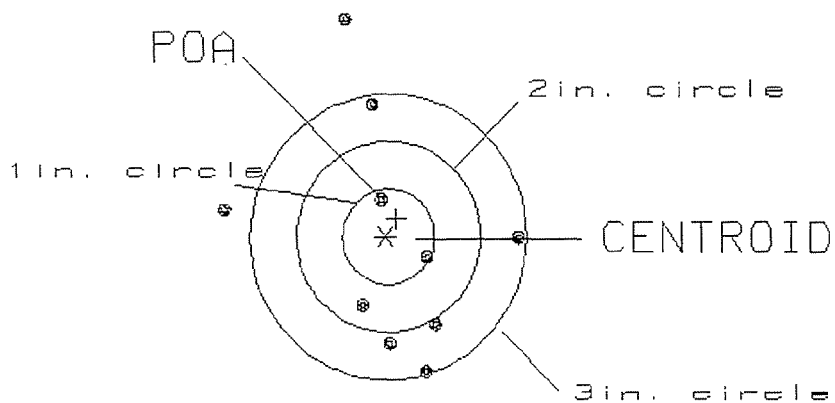
10

PATTERN #: 3
 POA TO CENTROID: .220
 MIN RADIUS : .434
 MEAN RADIUS : 1.226
 MAX RADIUS : 2.379
 CENTROID X : -.116
 CENTROID Y : -.187

19 Aug 1997

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/C6225532

CENTERFIRE PATTERN # 3



OF SHOTS= 10

IN CIRCLE

HS= 3.17
 VS= 3.74
 GS= 3.84

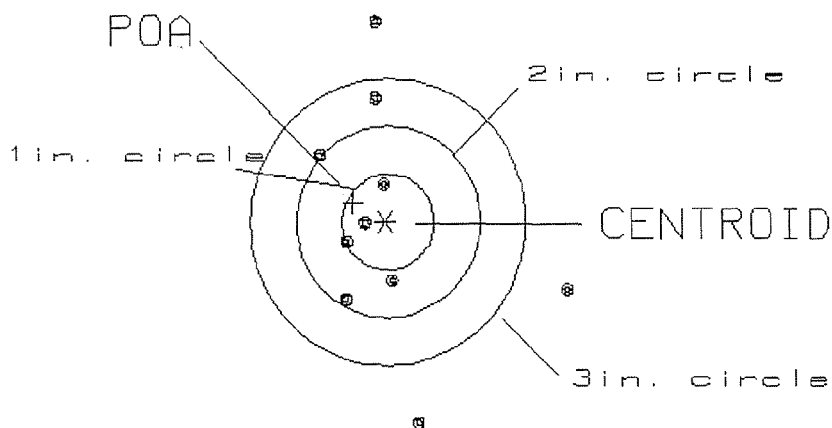
2
 3
 8

PATTERN #: 14
 POA TO CENTROID: .402
 MIN RADIUS : .265
 MEAN RADIUS : 1.144
 MAX RADIUS : 2.173
 CENTROID X : .351
 CENTROID Y : -.195

19 Aug 1997

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/C6225532

CENTERFIRE PATTERN # 4



OF SHOTS= 10

IN CIRCLE

HS= 2.78
 VS= 4.22
 GS= 4.25

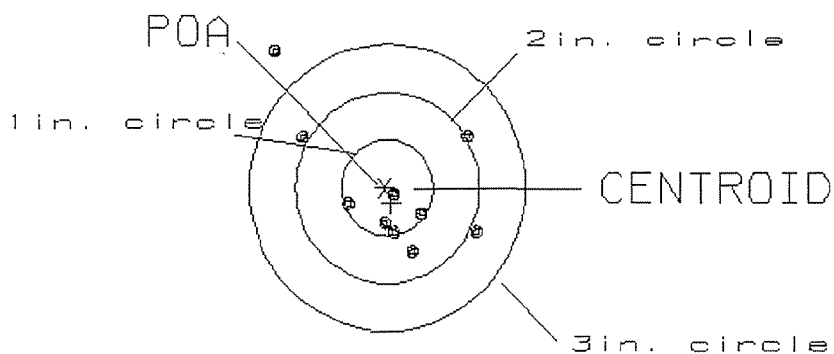
2
 5
 7

PATTERN #: 5
 POA TO CENTROID: .182
 MIN RADIUS : .098
 MEAN RADIUS : .742
 MAX RADIUS : 1.835
 CENTROID X : -.072
 CENTROID Y : .167

19 Aug 1997

FILE:/Hpbasic/Accuracy/Patterning/Centerfire_Patt/C6225532

CENTERFIRE PATTERN # 5



OF SHOTS= 10

IN CIRCLE

HS= 2.18

5

VS= 2.04

7

GS= 2.83

9