

C6225200

MODEL 700TM M24

Model SWSTM

Action

Barrel Length

Capacity

Order No. 5715

*Includes 1 in chamber.

Remington

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

Remington



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

MODEL 700™ M24

SERIAL NO.

C6225200

ORDER NO.

5716

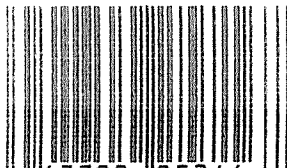
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat & Tm. Off, Marca Registrada Marque Deposee.

20



5716 C6225200

UPC



0 47700 25716 7

M2400010467

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6225200

OP. #	OP. NAME	READINGS	DATE	INIT
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	R/C.
	Magnaflux Bolt		1-27-89	KCK
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	TSA
	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	INIT
625 cont.	F) Safety On Force	5 3/4	5 1/2	5 3/4			3/1/89	W.B.
	G) Safety Off Force	2 3/4	2 3/4	2 3/4			3/1/89	W.B.
	H) Trigger Pull Test & Retainability						3/28/89	J.U.
	I) Firing Pin Indent	.0205	.0205	.0205			3/1/89	W.B.
	J) Assemble Stock						3/1/89	RW
	K) Assemble Swivel Studs						7 Mar 89	JS
	L) Attach Front and Rear Sight Assemblies						3/1/89	RW
	M) Iron Sight Alignment						3/1/89	RW
	N) Detach Front & Rear Sights & place in numbered container						3/1/89	RW
	O) Attach Scope to Rifle						3/2/89	W.B.
	P) Detach & Attach Scope 20 Times						3/2/89	W.B.
640	Gallery Target & Test	470	1086				3-3-89	K
	A) Time						"	K
	B) Malfunctions				NONE		"	K
	C) Pierced Primers				NONE		"	K
	D) Optical Clarity of Scope				OK		"	K
645	Inspect for Live Ammo				NONE		3-3-89	K
655	Final Inspection							
	A) Headspace						7 Mar 89	JS
	B) Trigger Pull	2.48	2.50	2.50	2.50	2.51	7 Mar 89	JS
	C) Function						7 Mar 89	JS
660	Pack						27 Mar 89	JS

SWS TRIGGER PULL TEST

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

SERIAL NO. C6225200

DATE 2-28-89

TESTER JF

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.33	2.22	2.41	2.48	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.40	2.26	2.38	2.50	
PULL #3	2.33	2.36	2.30	2.50	
PULL #4	2.41	2.25	2.35	2.50	
PULL #5	2.33	2.27	2.36	2.51	
TOTAL	11.80	11.36	11.80	12.49	
AVG.	2.360	2.272	2.360	2.498	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.25	3.21		
PULL #2	3.24	3.21		
PULL #3	3.18	3.28		
PULL #4	3.22	3.28		
PULL #5	3.20	3.29		
TOTAL	16.09	16.33		
AVG.	3.218	3.266		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.28	4.28		4.18
PULL #2	4.28	4.30		4.15
PULL #3	4.23	4.34		4.17
PULL #4	4.30	4.28		4.15
PULL #5	4.26	4.18		4.17
TOTAL	21.35	21.38		20.82
AVG.	4.270	4.276		4.164

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225200
6 Mar 1989

CENTROIDAL DISTANCES

0 TO	1	1.01179
1 TO	2	.359302
1 TO	3	.463459
1 TO	4	.398898
1 TO	5	.462909

42 + <----POA
L
5

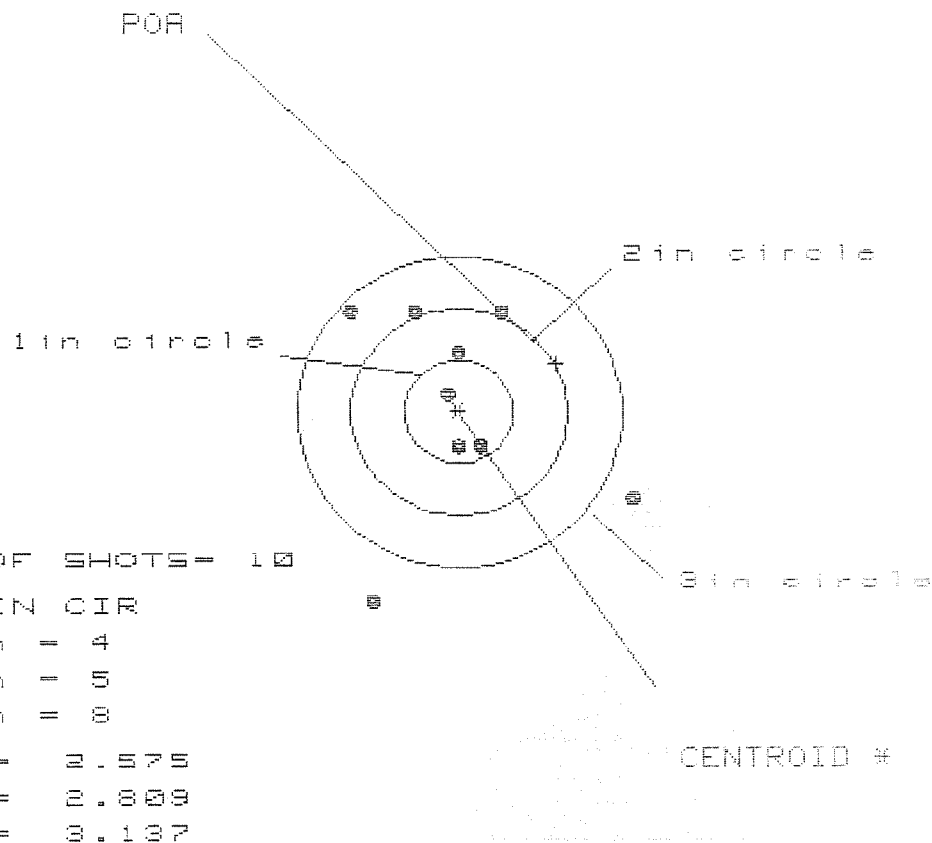
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.8088
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.4726
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .962775

THE AMR FOR THIS RIFLE IS: .9662

3 Mar 1985

FILE:/PATTERNING/CENTERFIRE_PATT/08225200

CENTERFIRE PATTERNS # 1

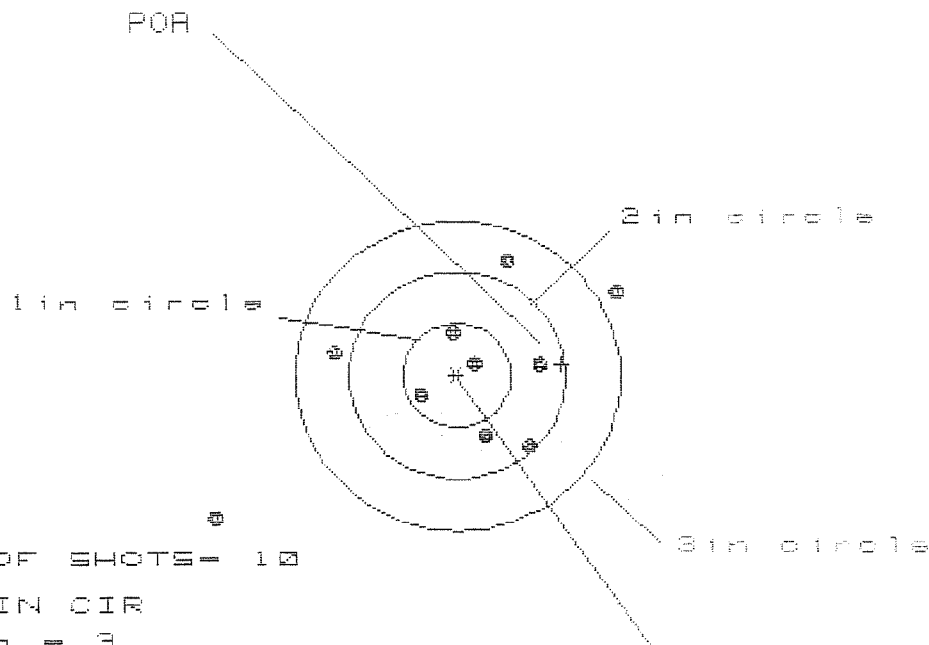


PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.567	1.483	.521
MINIMUM X	:	-1.008	-1.092	-.907
MAXIMUM Y	:	.975	.771	.637
MINIMUM Y	:	-1.834	-1.071	-.673
CENTROID X	:	-.896	-.812	-.997
CENTROID Y	:	-.470	-.266	-.132
POA TO CENTROID in.	:	1.012	.854	1.006
MIN RADIUS	:	.223	.151	.130
MEAN RADIUS	:	.906	.776	.627
MAX RADIUS	:	1.986	1.829	1.080
HORIZONTAL SPREAD	:	2.575	2.575	1.428
VERTICAL SPREAD	:	2.809	1.842	1.310
EXTREME SPREAD	:	3.137	3.137	1.733
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

3 Mar 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06225200

CENTERFIRE PATTERNS # 2



OF SHOTS = 10

IN CIR

1 in = 3

2 in = 5

3 in = 8

HS = 3.697

VS = 2.489

GS = 4.324

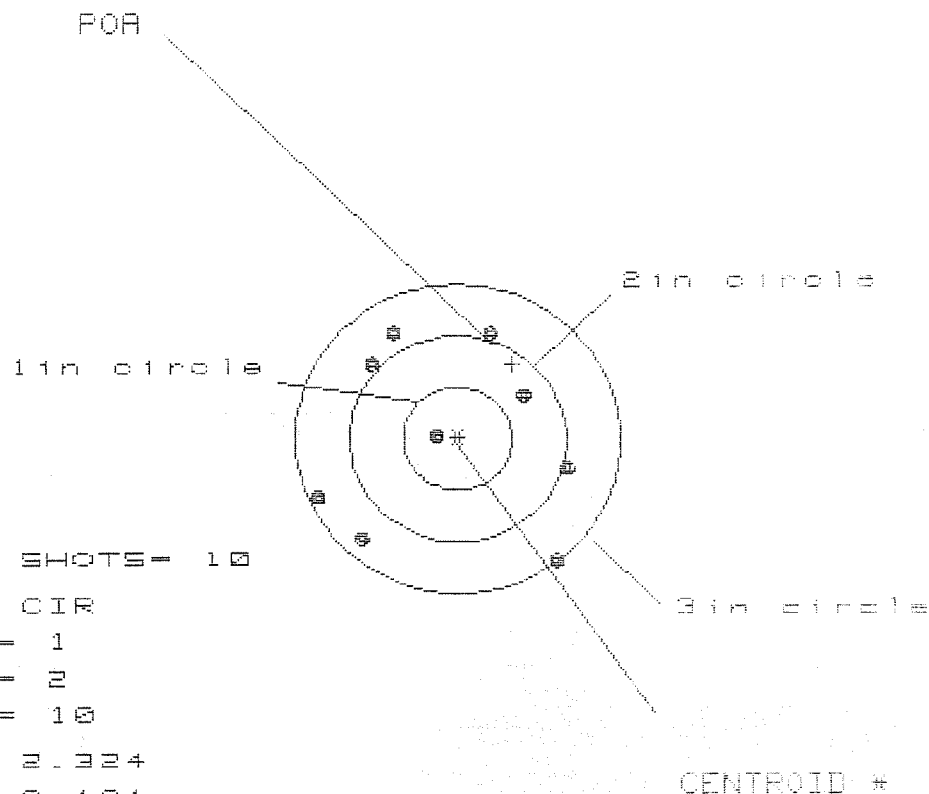
CENTROID #

PATTERN #	2
SHOTS (BEST OF)	10
MAXIMUM X	1.470
MINIMUM X	-2.227
MAXIMUM Y	1.112
MINIMUM Y	-1.377
CENTROID X	-.963
CENTROID Y	-.117
POA TO CENTROID in.	.970
MIN RADIUS	.166
MEAN RADIUS	1.000
MAX RADIUS	2.619
HORIZONTAL SPREAD	3.697
VERTICAL SPREAD	2.489
EXTREME SPREAD	4.324
NUMBER IN ONE INCH CIRCLE =	3
NUMBER IN TWO INCH CIRCLE =	5
NUMBER IN THREE INCH CIRCLE =	8

3 Mar 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6225200

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1in = 1

2in = 2

3in = 10

HS= 2.324

VS= 2.161

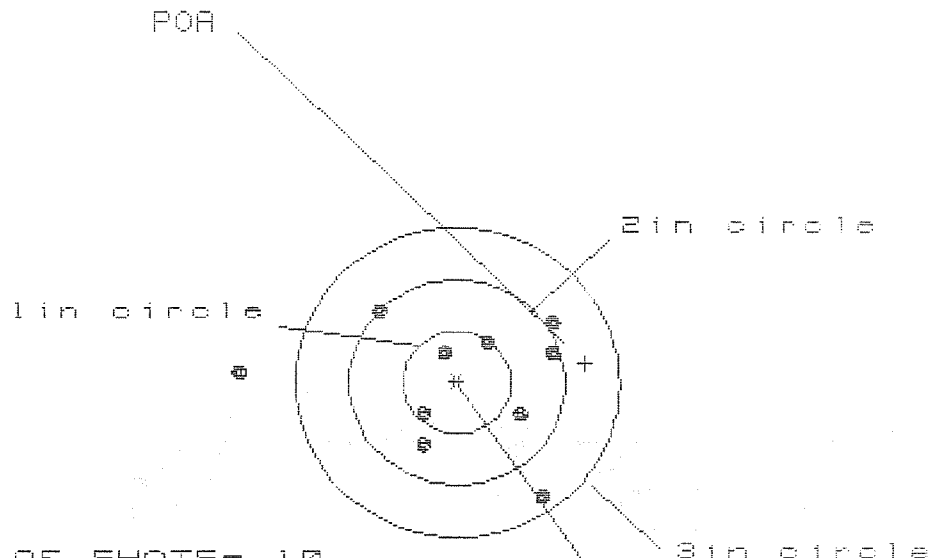
GS= 2.649

PATTERN #	3
SHOTS (BEST OF)	10
MAXIMUM X	1.032
MINIMUM X	-1.292
MAXIMUM Y	1.029
MINIMUM Y	-1.132
CENTROID X	-.509
CENTROID Y	-.725
POA TO CENTROID in.	.886
MIN RADIUS	.180
MEAN RADIUS	1.053
MAX RADIUS	1.453
HORIZONTAL SPREAD	2.324
VERTICAL SPREAD	2.161
EXTREME SPREAD	2.649
NUMBER IN ONE INCH CIRCLE =	1
NUMBER IN TWO INCH CIRCLE =	2
NUMBER IN THREE INCH CIRCLE =	10

3 Mar 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08225200

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in = 3

2in = 7

3in = 9

HS= 2.890

VS= 1.759

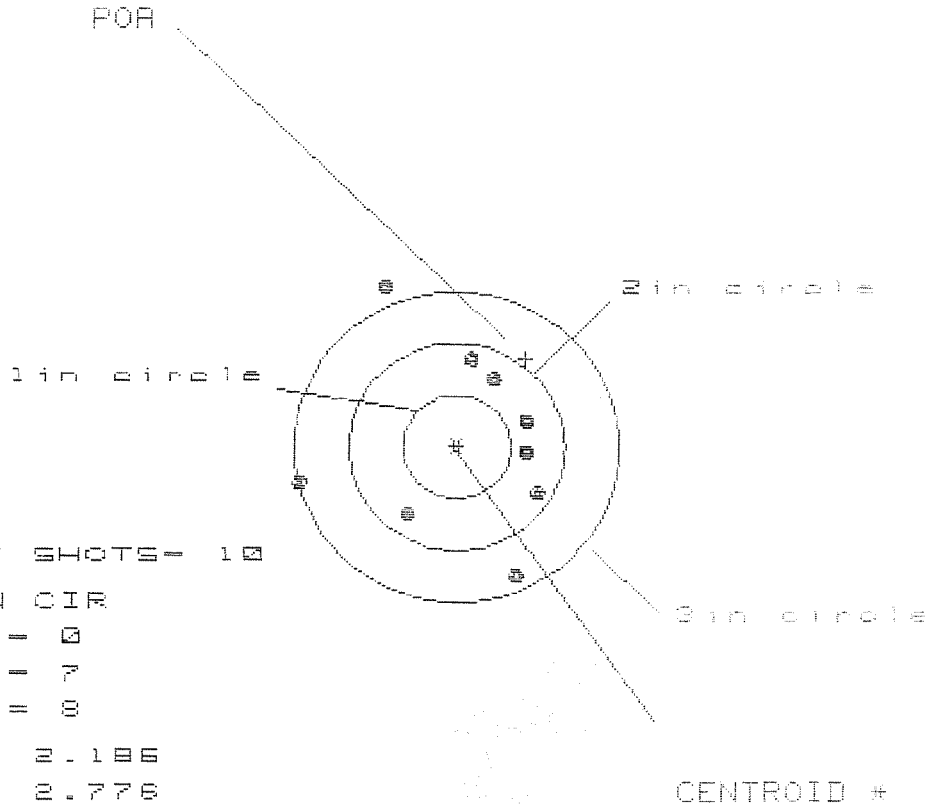
GS= 3.095

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.862	.637	.789
MINIMUM X	:	-2.028	-.937	-.865
MAXIMUM Y	:	.647	.661	.524
MINIMUM Y	:	-1.112	-1.098	-.742
CENTROID X	:	-1.184	-.959	-1.031
CENTROID Y	:	-.194	-.208	-.071
POA TO CENTROID in.	:	1.200	.981	1.034
MIN RADIUS	:	.267	.416	.280
MEAN RADIUS	:	.884	.739	.657
MAX RADIUS	:	2.032	1.242	1.011
HORIZONTAL SPREAD	:	2.890	1.574	1.574
VERTICAL SPREAD	:	1.759	1.759	1.266
EXTREME SPREAD	:	3.095	2.324	1.681
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

3 Mar 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08225200

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1 in = 0

2 in = 7

3 in = 8

HS= 2.186

VS= 2.776

GS= 3.040

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.710	.634	.440
MINIMUM X	:	-1.476	-1.552	-.688
MAXIMUM Y	:	1.507	1.033	1.013
MINIMUM Y	:	-1.269	-1.102	-1.122
CENTROID X	:	-.642	-.566	-.371
CENTROID Y	:	-.857	-1.024	-1.004
POA TO CENTROID in.	:	1.071	1.170	1.071
MIN RADIUS	:	.598	.535	.343
MEAN RADIUS	:	.988	.892	.770
MAX RADIUS	:	1.658	1.561	1.156
HORIZONTAL SPREAD	:	2.186	2.186	1.127
VERTICAL SPREAD	:	2.776	2.135	2.135
EXTREME SPREAD	:	3.040	2.232	2.167
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		8	

RC 50

M-24

LJ 3/89

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C 6725200

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 1/4	4			7/27/90	WB
	G) Safety Off Force	3	3	3			7/27/90	WB
	H) Trigger Pull Test & Retainability							
	I) Firing Pin Indent	.021	.021	.021			7/27/90	WB
	J) Assemble Stock							
	K) Assemble Swivel Studs						7/27/90	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						7/27/90	WB
	A) Headspace							
	B) Trigger Pull	2.49	2.48	2.47	2.44	2.43	7/27/90	WB
	C) Function						7/27/90	WB
660	Pack							

RECEIVING AND ESTIMATING REPORT

COMMENTS

W/10X LEUPOLD SCOPE

INITIAL JJM	CUSTOMER ORDER NO.		DATE RECEIVED 01/29/90				DATE OPENED 02/05/90	DATE CODE LJ 3/89	SERIAL NUMBER C6225200	MODEL AND GRADE 9999 7.62 NATO	ORDER R 90-04530
ACCESSORIES			SLING STRAP W/STUDS		W/SWIVELS		HARD CASE				

FROM:	SHIP TO:
MAINTENANCE DIVISION, USAIC ATTN ATZB-LOM-Q BLDG 228 FORT BENNING GA 31905-5174	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
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GUN CONDITION:

☐ NEW
 ☐ SLIGHTLY WORN
 ☒ VERY WORN
 ☐ MISUSED
 ☐ MARRED

CUSTOMER'S REQUEST

MAIN FAULT

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

PARTS	REPAIRMAN	PROOF	CLEAN	TEST	TARGET	PATTERN
No DEPLOYMENT KIT	RW		✓	✓		
No SLING STRAP						
No SCOPE CASE						
No IRON SIGHTS						
	GALLERY TESTER	DATE	DATE	DATE	DATE	DATE

RD6925 REV. 6/88

OFFICE COPY

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

M2400010479

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225200
26 Feb 1990

CENTROIDAL DISTANCES

0 TO	1	.931619
1 TO	2	.915294
1 TO	3	.718178
1 TO	4	.671554
1 TO	5	.815727

+1
3 (----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .5232
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0302
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .524071
THE AMR FOR THIS RIFLE IS: 1.001

28 Feb 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6225200

CENTERFIRE PATTERNS

1

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS= 10

IN CIR

1in = 2

2in = 5

3in = 8

HS= 2.852

VS= 2.585

GS= 3.103

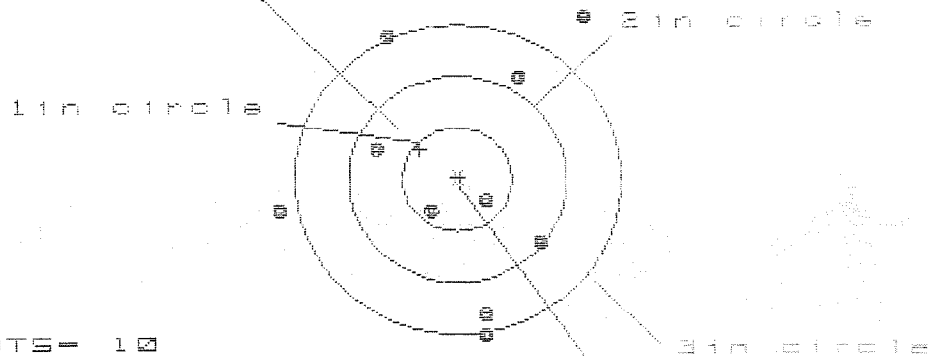
PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.269	1.092	.993
MINIMUM X	-1.593	-1.027	-1.126
MAXIMUM Y	1.370	1.301	.741
MINIMUM Y	-1.215	-1.284	-1.122
CENTROID X	.775	.952	1.851
CENTROID Y	.517	.586	.424
POA TO CENTROID in.	.931	1.118	1.133
MIN RADIUS	.432	.319	.142
MEAN RADIUS	1.067	.966	.874
MAX RADIUS	1.711	1.644	1.589
HORIZONTAL SPREAD	2.962	2.119	2.119
VERTICAL SPREAD	2.585	2.585	1.863
EXTREME SPREAD	3.103	2.847	2.772
NUMBER IN ONE INCH CIRCLE	= 2		
NUMBER IN TWO INCH CIRCLE	= 5		
NUMBER IN THREE INCH CIRCLE	= 8		

26 Feb 1938

FILE:/PATTERNING/CENTERFIRE_PATT/C8225200

CENTERFIRE PATTERNS # 2

FOR



OF SHOTS = 10

IN CIR

1 in = 2

2 in = 4

3 in = 6

HS = 2.811

VS = 3.127

GS = 3.402

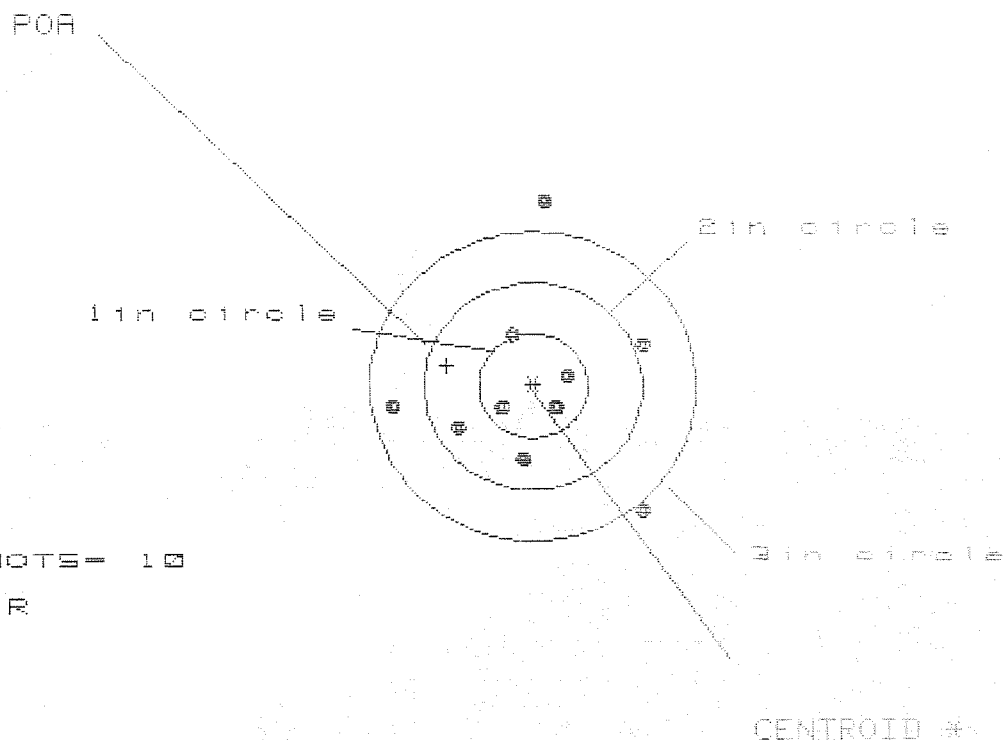
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.168	.862	.673
MINIMUM X	:	-1.643	-1.513	-1.794
MAXIMUM Y	:	1.577	1.560	1.539
MINIMUM Y	:	-1.550	-1.375	-1.395
CENTROID X	:	.345	.215	.404
CENTROID Y	:	-.291	-.466	-.445
FOR TO CENTROID in.	:	.451	.513	.601
MIN RADIUS	:	.324	.197	.198
MEAN RADIUS	:	1.165	1.047	.969
MAX RADIUS	:	1.962	1.636	1.684
HORIZONTAL SPREAD	:	2.811	2.375	1.467
VERTICAL SPREAD	:	3.127	2.935	2.935
EXTREME SPREAD	:	3.402	3.070	3.070
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		6	

26 Feb 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06225200

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1in = 3

2in = 6

3in = 8

HS= 2.306

VS= 2.999

GS= 3.134

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.987	.996	1.113
MINIMUM X	:	-1.319	-1.310	-1.185
MAXIMUM Y	:	1.831	.725	.604
MINIMUM Y	:	-1.168	-.965	-.627
CENTROID X	:	.791	.782	.657
CENTROID Y	:	-.201	-.404	-.283
FOR TO CENTROID in.	:	.816	.880	.716
MIN RADIUS	:	.297	.268	.180
MEAN RADIUS	:	.874	.750	.659
MAX RADIUS	:	1.832	1.387	1.198
HORIZONTAL SPREAD	:	2.306	2.306	2.299
VERTICAL SPREAD	:	2.999	1.690	1.231
EXTREME SPREAD	:	3.134	2.518	2.356
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		8	

26 Feb 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8225200

CENTERFIRE PATTERNS

4

POA

1in circle

2in circle

3in circle

OF SHOTS = 10

IN CIR

1in = 0

2in = 5

3in = 8

HS = 2.611

VS = 2.591

GS = 3.629

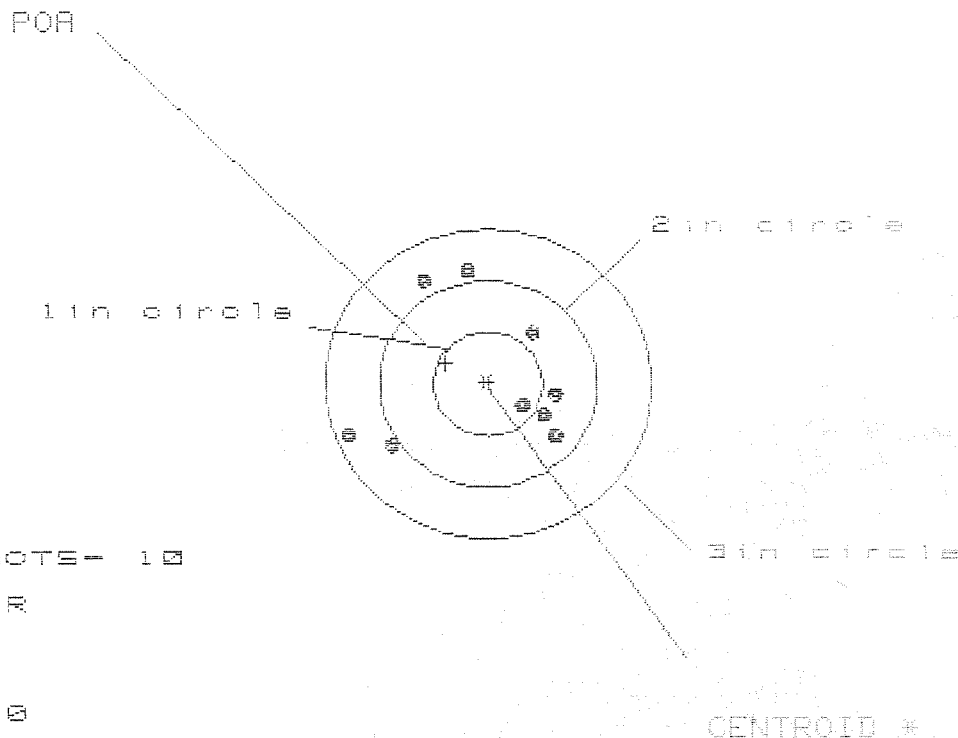
CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.871	.677	.658
MINIMUM X	:	-1.740	-.935	-.850
MAXIMUM Y	:	1.313	1.452	1.309
MINIMUM Y	:	-1.278	-1.139	-1.141
CENTROID X	:	.319	.512	.427
CENTROID Y	:	.024	-.115	.028
POA TO CENTROID in.	:	.319	.525	.428
MIN RADIUS	:	.519	.357	.410
MEAN RADIUS	:	1.075	.902	.865
MAX RADIUS	:	2.139	1.452	1.313
HORIZONTAL SPREAD	:	2.611	1.612	1.508
VERTICAL SPREAD	:	2.591	2.591	2.450
EXTREME SPREAD	:	3.629	2.673	2.538
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

26 Feb 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8225200

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 5

3 in = 10

HS= 1.8850

VS= 1.8400

GS= 1.922

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.597	.457	.362
MINIMUM X	-1.263	-.990	-1.075
MAXIMUM Y	1.081	1.028	1.143
MINIMUM Y	-.559	-.612	-.496
CENTROID X	.386	.526	.621
CENTROID Y	-.200	-.147	-.263
POA TO CENTROID in.	.434	.546	.675
MIN RADIUS	.355	.309	.168
MEAN RADIUS	.823	.726	.609
MAX RADIUS	1.348	1.196	1.227
HORIZONTAL SPREAD	1.860	1.437	1.437
VERTICAL SPREAD	1.640	1.640	1.640
EXTREME SPREAD	1.922	1.922	1.785
NUMBER IN ONE INCH CIRCLE	= 1		
NUMBER IN TWO INCH CIRCLE	= 6		
NUMBER IN THREE INCH CIRCLE	= 10		

SUBJECT: WARRANTY REPAIR

DATE:

30 JAN 90

TYPE EQUIPMENT RIFLE

MAKE: Remington

MODEL: M 24

SERIAL NUMBER: C 6 2 2 5 2 0 0

DATE OF PURCHASE:

PERSON CONTACTED OR RA NUMBER:

EQUIPMENT PROBLEMS: Re Ferbish Barrel
CHECK Trigger

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

George Richards
Mr. Co Ke A {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-HAM-Q
BUILDING 228
FORT BENNING, GEORGIA 31905-5174

3/89
LJ

DA FORM 2407
MAY 81

NMP COPY 2