

C6349216

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

Remington



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

MODEL 700™ M24

SERIAL NO.
C6349216

ORDER NO.
5716

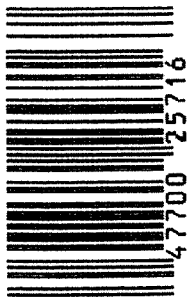
Ø1

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



5716 C6349216

UPC



0 47700 25716 7

RC 52

M-24

CONTRACT # DAAA21-87-C-0086

INTERCHANGEABILITY

GUN SERIAL # C6349216

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	QUALITY AUDIT	12-20 89	Ru
600	Proof		12-20 89	K
607	Check Headspace		12-20 89	K
610	Dis-assemble Gun		12-20 89	Ru
612	Magnaflux Barrel Action		1-5-90	KOR
	Magnaflux Bolt		1-5-90	
615	Rollmark Caliber		1/3/90	JS
7	Drill and Tap Sight Holes		1/8/90	FB
618	Polish Barrel RB		1/9/90	WB
620	Apply Coatings (Barrel Action)		1-5-90	TJA
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly		1/17/90	Ru
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		1/17/90	Ru
	C) Inspect Ejector Hole for Chamfer		1/17/90	Ru
	D) Oil Firing Pin Ass'y		1/17/90	Ru
	E) Adjust Trigger Pull to Min Setting and Stake		24 Jan 90	JS

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			1-25-90	JS
	G) Safety Off Force	3	3	3			1-25-90	JS
	H) Trigger Pull Test & Retainability						2/1/90	JS
	I) Firing Pin Indent	.023	.023	.0235			1-25-90	JS
	J) Assemble Stock						1/29/90	RW
	K) Assemble Swivel Studs						1/31/90	WB
	L) Attach Front and Rear Sight Assemblies						1/29/90	RW
	M) Iron Sight Alignment						1/29/90	RW
	N) Detach Front & Rear Sights & place in numbered container						1/29/90	RW
	O) Attach Scope to Rifle						12/28/90	WB
	P) Detach & Attach Scope 20 Times						2/28/90	WB
640	Gallery Target & Test						3-1-90	JS Temp. Hwp
	A) Time							
	B) Malfunctions							
	C) Pierced Primers							
	D) Optical Clarity of Scope							
645	Inspect for Live Ammo							
655	Final Inspection							
	A) Headspace						1/6/90	JS
	B) Trigger Pull	260	262	267	256	258	1/6/90	JS
	C) Function						1/6/90	JS
660	Pack						2/1/90	JS

SWS TRIGGER PULL TEST

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

SERIAL NO. C6349216
DATE 24 Jan 90
TESTER RJS

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	259	258	224	260	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	258	257	208	262	
PULL #3	262	268	203	267	
PULL #4	264	213	205	256	
PULL #5	263	215	224	258	
TOTAL	1306	1211	1064	1293	
AVG.	2.612	2.422	2.128	2.586	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	349	338		
PULL #2	345	323		
PULL #3	347	325		
PULL #4	344	326		
PULL #5	344	325		
TOTAL	1729	1637		
AVG.	3.458	3.275		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	408	396		441
PULL #2	406	397		437
PULL #3	407	399		439
PULL #4	402	395		437
PULL #5	400	395		435
TOTAL	2023	1982		2189
AVG.	4.046	3.964		4.378

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6349216
1 Mar 1990

CENTROIDAL DISTANCES

0 TO 1	.201189
1 TO 2	.381792
1 TO 3	.445112
1 TO 4	.0509902
1 TO 5	.390612

$\frac{4}{3}$ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.125
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0896
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .153796

THE AMR FOR THIS RIFLE IS: .989

1 Mar 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8349216

CENTERFIRE PATTERNS # 1

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS = 10

IN CIR

1in = 0

2in = 6

3in = 8

HS = 2.8000

VS = 2.944

GS = 3.599

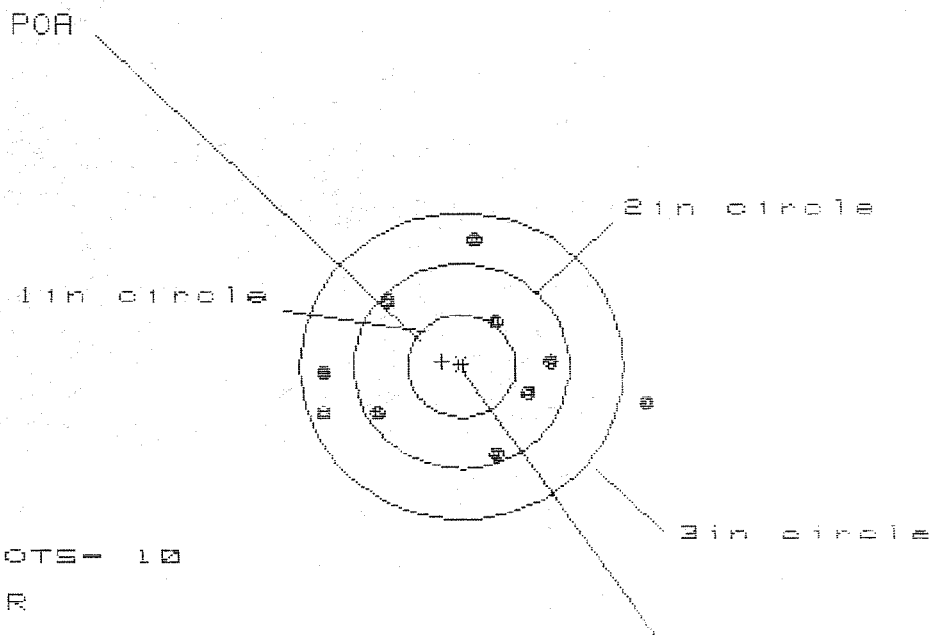
PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.038	1.152	.934
MINIMUM X	-1.863	-1.748	-.842
MAXIMUM Y	1.945	1.097	1.101
MINIMUM Y	-.999	-.783	-.786
CENTROID X	-.174	-.288	-.670
CENTROID Y	.101	-.115	-.118
POA TO CENTROID in.	.201	.311	.138
MIN RADIUS	.551	.345	.398
MEAN RADIUS	1.066	.894	.775
MAX RADIUS	2.203	1.748	1.101
HORIZONTAL SPREAD	2.900	2.900	1.776
VERTICAL SPREAD	2.944	1.880	1.880
EXTREME SPREAD	3.599	2.932	1.929
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	8		

1 Mar 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8349216

CENTERFIRE PATTERNS

2



OF SHOTS- 10

IN CIR

1in = 0

2in = 6

3in = 8

HS= 3.003

VS= 2.038

GS= 3.005

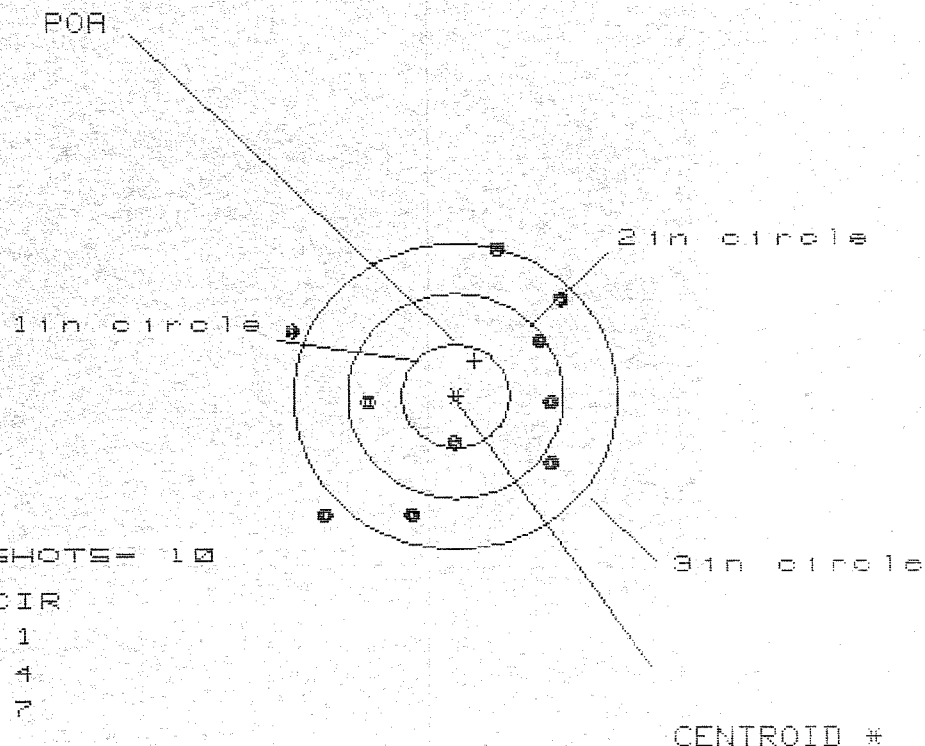
CENTROID *

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.746	1.025	.892
MINIMUM X	:	-1.257	-1.063	-1.178
MAXIMUM Y	:	1.212	1.177	1.121
MINIMUM Y	:	-.826	-.861	-.917
CENTROID X	:	.180	-.014	.119
CENTROID Y	:	-.042	-.007	.049
POA TO CENTROID in.	:	.185	.015	.129
MIN RADIUS	:	.590	.696	.560
MEAN RADIUS	:	1.039	.951	.910
MAX RADIUS	:	1.774	1.229	1.185
HORIZONTAL SPREAD	:	3.003	2.088	2.070
VERTICAL SPREAD	:	2.038	2.038	2.038
EXTREME SPREAD	:	3.005	2.155	2.072
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

1 Mar 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08345216

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1in = 1

2in = 4

3in = 7

HS= 2.489

VS= 2.669

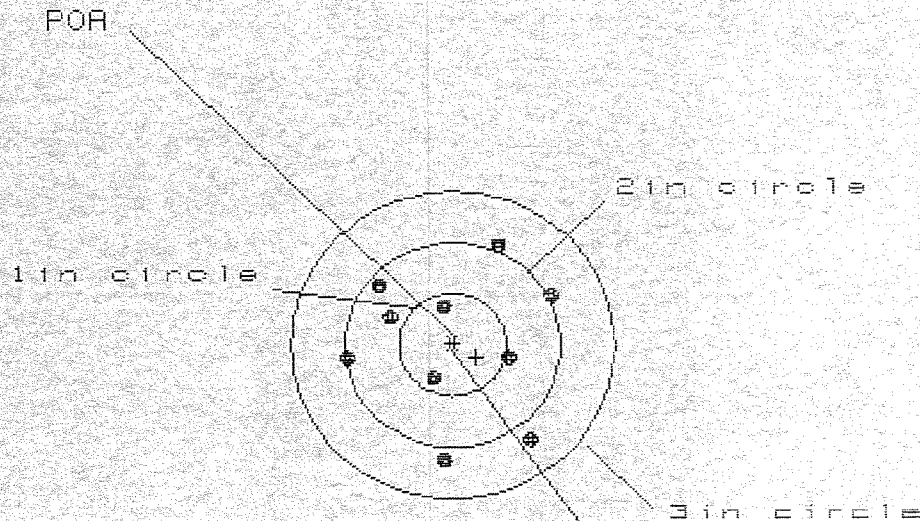
GS= 3.121

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.015	.879	.677
MINIMUM X	:	-1.474	-1.610	-1.127
MAXIMUM Y	:	1.483	1.351	1.412
MINIMUM Y	:	-1.186	-1.260	-1.199
CENTROID X	:	-.184	-.048	.154
CENTROID Y	:	-.344	-.212	-.273
POA TO CENTROID in.	:	.390	.218	.313
MIN RADIUS	:	.428	.581	.541
MEAN RADIUS	:	1.149	1.077	.964
MAX RADIUS	:	1.703	1.682	1.413
HORIZONTAL SPREAD	:	2.489	2.489	1.805
VERTICAL SPREAD	:	2.669	2.611	2.611
EXTREME SPREAD	:	3.121	2.721	2.721
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	4		
NUMBER IN THREE INCH CIRCLE	=	7		

1 Mar 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08349216

CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1in = 2

2in = 6

3in = 10

HS= 1.887

VS= 2.105

GS= 2.158

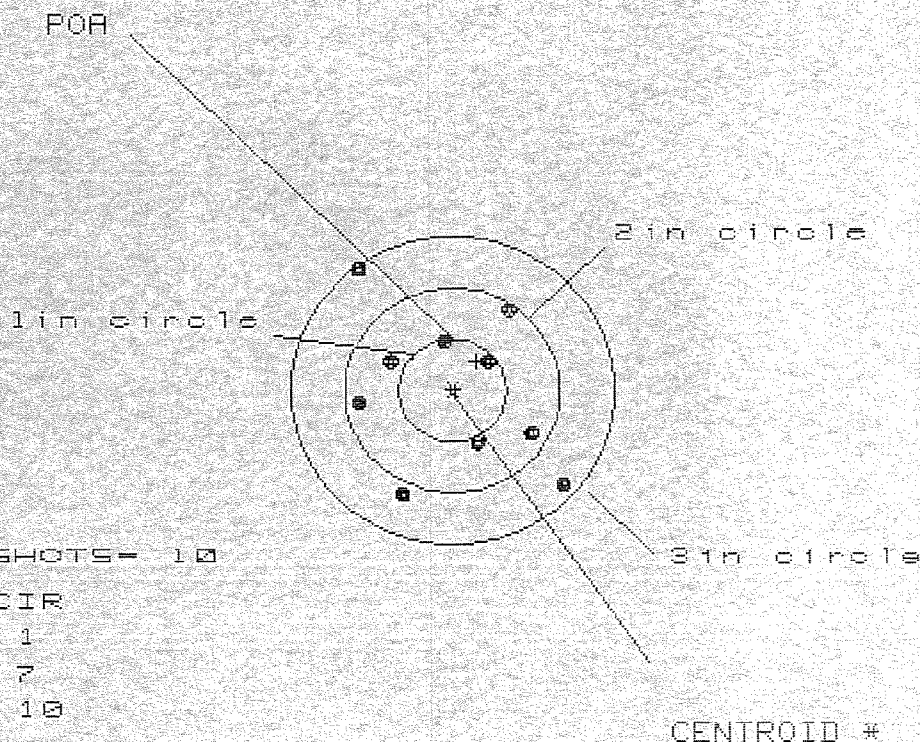
CENTROID #

PATTERN #	:	4	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.938	1.017	1.016
MINIMUM X	:	-.949	-.870	-.871
MAXIMUM Y	:	1.010	.903	.752
MINIMUM Y	:	-1.095	-1.202	-.579
CENTROID X	:	-.220	-.299	-.298
CENTROID Y	:	.123	.230	.381
POA TO CENTROID in.	:	.252	.377	.483
MIN RADIUS	:	.363	.278	.130
MEAN RADIUS	:	.822	.762	.689
MAX RADIUS	:	1.197	1.202	1.040
HORIZONTAL SPREAD	:	1.887	1.887	1.887
VERTICAL SPREAD	:	2.105	2.105	1.331
EXTREME SPREAD	:	2.158	2.158	1.984
NUMBER IN ONE INCH CIRCLE	=	2		
NUMBER IN TWO INCH CIRCLE	=	6		
NUMBER IN THREE INCH CIRCLE	=	10		

1 Mar 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C8349216

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 7

3 in = 10

HS= 1.923

VS= 2.191

GS= 2.823

PATTERN #	:	5	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.069	.975	.732
MINIMUM X	:	-.854	-.934	-.813
MAXIMUM Y	:	1.157	.865	.767
MINIMUM Y	:	-1.034	-.906	-1.004
CENTROID X	:	-.227	-.133	-.254
CENTROID Y	:	-.286	-.414	-.316
POA TO CENTROID in.	:	.365	.435	.406
MIN RADIUS	:	.429	.397	.469
MEAN RADIUS	:	.869	.802	.733
MAX RADIUS	:	1.437	1.249	1.107
HORIZONTAL SPREAD	:	1.923	1.909	1.545
VERTICAL SPREAD	:	2.191	1.771	1.771
EXTREME SPREAD	:	2.823	2.071	2.059
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

INTERCHANGEABILITY

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6349216
19 Mar 1990

CENTROIDAL DISTANCES

0 TO	1	.501224
1 TO	2	.28526
1 TO	3	.483961
1 TO	4	.747295
1 TO	5	.905367

$\frac{1}{2} \frac{3}{4} \frac{5}{4}$ (----POA

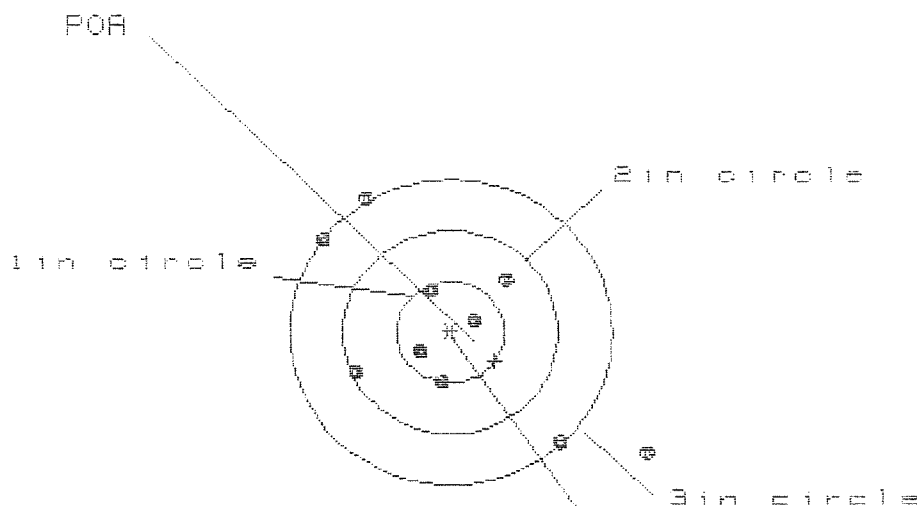
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .012
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .2462
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .246492

THE AMR FOR THIS RIFLE IS: .9302

17 Mar 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C8349216.1

CENTERFIRE PATTERNS # 1



OF SHOTS = 10

IN CIR

1 in = 4

2 in = 6

3 in = 8

IS = 2.026

VS = 2.541

GS = 3.664

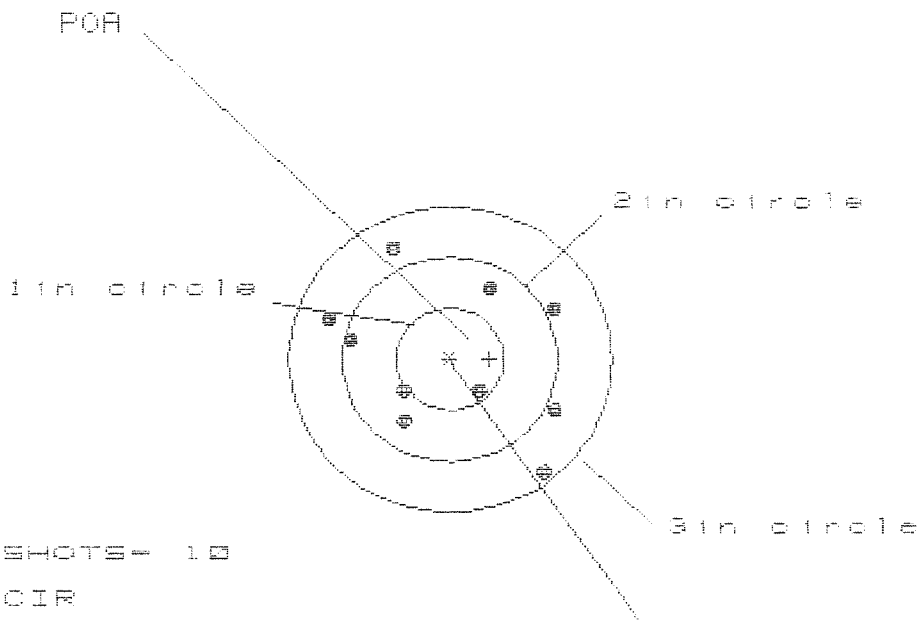
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.827	1.174	1.098
MINIMUM X	-1.200	-.997	-1.073
MAXIMUM Y	1.361	1.230	.904
MINIMUM Y	-1.179	-1.264	-1.110
CENTROID X	-.413	-.616	-.540
CENTROID Y	.284	.416	.262
POA TO CENTROID in.	.502	.743	.600
MIN RADIUS	.252	.263	.254
MEAN RADIUS	.994	.844	.763
MAX RADIUS	2.174	1.725	1.561
HORIZONTAL SPREAD	3.026	2.171	2.171
VERTICAL SPREAD	2.541	2.494	2.014
EXTREME SPREAD	3.664	3.067	2.961
NUMBER IN ONE INCH CIRCLE	= 4		
NUMBER IN TWO INCH CIRCLE	= 6		
NUMBER IN THREE INCH CIRCLE	= 8		

17 Mar 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08349216.1

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 5

3 in = 10

HS= 2.148

VS= 2.251

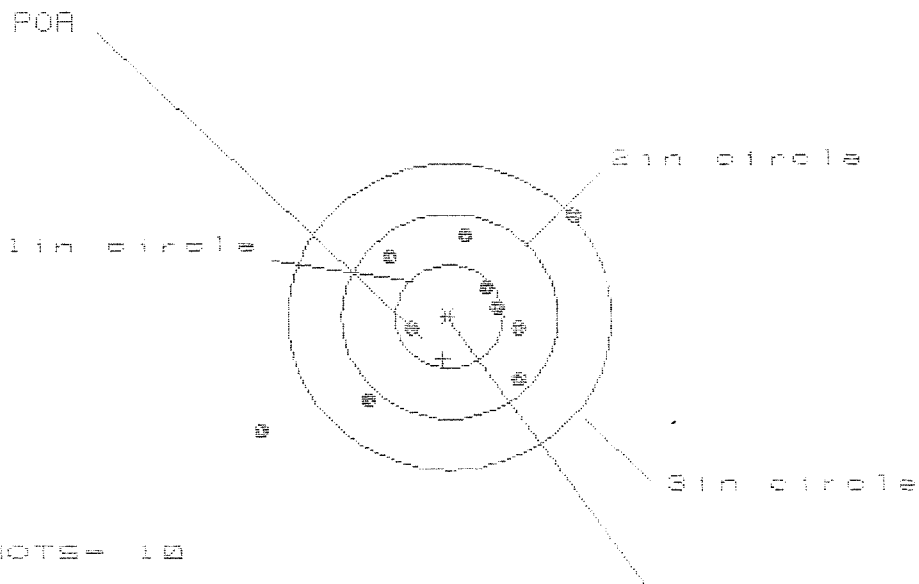
GS= 2.637

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.978	1.076	.942
MINIMUM X	:	-1.178	-1.072	-.993
MAXIMUM Y	:	1.138	1.086	1.041
MINIMUM Y	:	-1.121	-.750	-.715
CENTROID X	:	-.378	-.468	-.334
CENTROID Y	:	.002	.126	.091
POA TO CENTROID in.	:	.378	.485	.346
MIN RADIUS	:	.373	.538	.419
MEAN RADIUS	:	.948	.894	.857
MAX RADIUS	:	1.425	1.261	1.168
HORIZONTAL SPREAD	:	2.148	2.148	1.935
VERTICAL SPREAD	:	2.251	1.756	1.756
EXTREME SPREAD	:	2.637	2.346	2.221
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		10	

17 Mar 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08349216.1

CENTERFIRE PATTERNS # 3



OF SHOTS = 10

IN CIR

1 in = 3

2 in = 7

3 in = 8

HS = 2.865

VS = 2.887

GS = 3.545

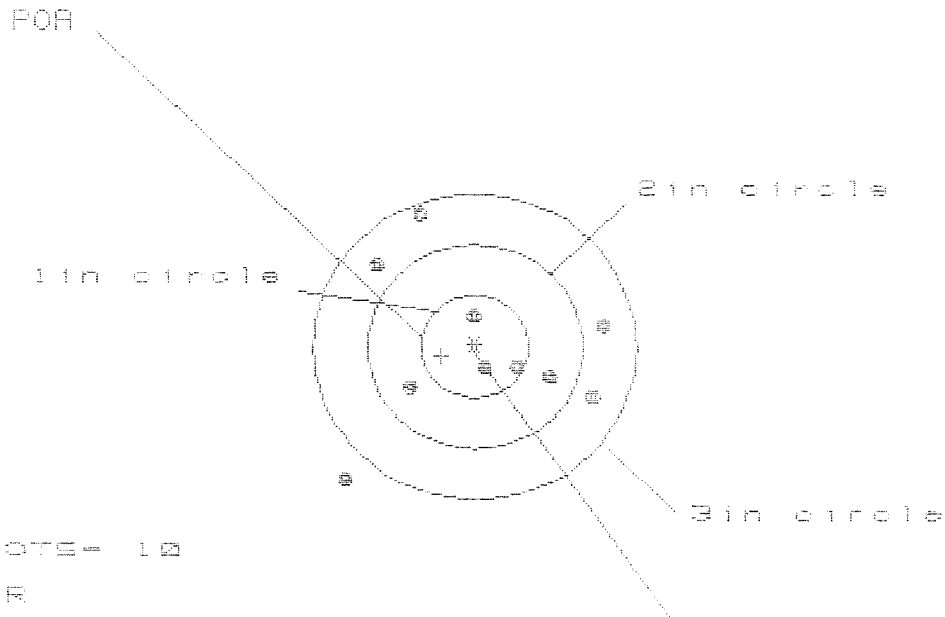
CENTROID #

PATTERN #	1	3	9	8
SHOTS (BEST OF)	10	9	9	8
MAXIMUM X	1.160	.971	.605	.605
MINIMUM X	-1.705	-.911	-.790	-.790
MAXIMUM Y	.993	.871	.797	.797
MINIMUM Y	-1.094	-.886	-.777	-.777
CENTROID X	.054	.243	.122	.122
CENTROID Y	.411	.533	.424	.424
POR TO CENTROID in.	.415	.586	.441	.441
MIN RADIUS	.360	.208	.348	.348
MEAN RADIUS	.903	.733	.674	.674
MAX RADIUS	2.026	1.304	1.108	1.108
HORIZONTAL SPREAD	2.865	1.882	1.395	1.395
VERTICAL SPREAD	2.887	1.757	1.574	1.574
EXTREME SPREAD	3.545	2.575	1.777	1.777
NUMBER IN ONE INCH CIRCLE	=	3		
NUMBER IN TWO INCH CIRCLE	=	7		
NUMBER IN THREE INCH CIRCLE	=	8		

17 Mar 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06349216.1

CENTERFIRE PATTERNS # 4



OF SHOTS = 10

IN CIR

1 in = 3

2 in = 5

3 in = 8

ME = 2.458

VE = 2.601

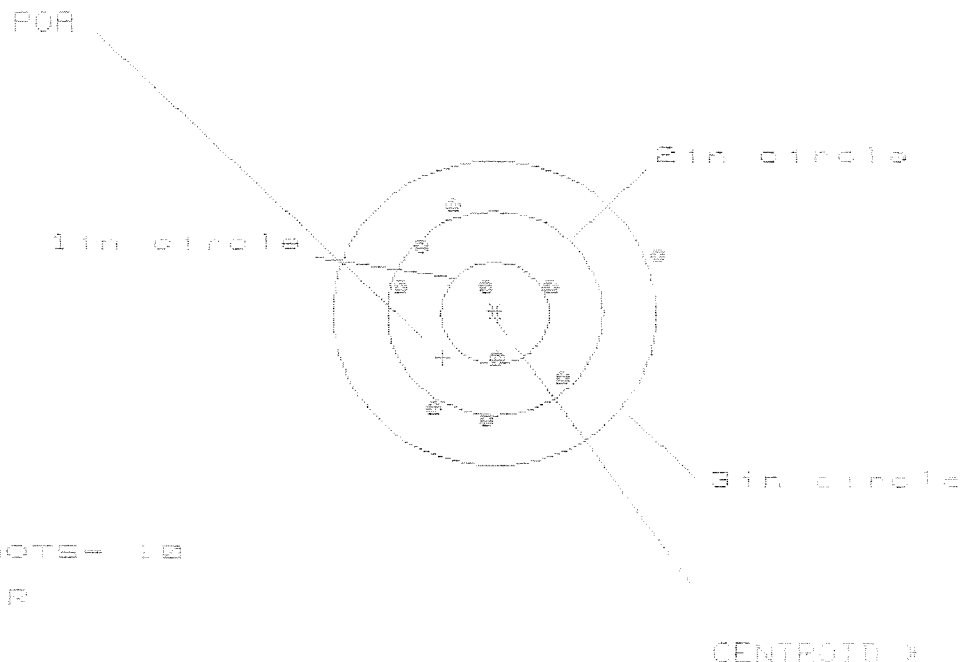
GE = 2.831

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.223	1.086	1.062
MINIMUM X	:	-1.235	-1.087	-1.171
MAXIMUM Y	:	1.353	1.215	.858
MINIMUM Y	:	-1.248	-.592	-.441
CENTROID X	:	.310	.447	.531
CENTROID Y	:	.095	.233	.082
POA TO CENTROID in.	:	.324	.504	.537
MIN RADIUS	:	.183	.233	.223
MEAN RADIUS	:	.922	.821	.712
MAX RADIUS	:	1.755	1.388	1.452
HORIZONTAL SPREAD	:	2.458	2.173	2.173
VERTICAL SPREAD	:	2.601	1.807	1.299
EXTREME SPREAD	:	2.831	2.404	2.386
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

12 Mar 1998

FILE:/PATTERNING/CENTERFIRE_PATT/05349218.1

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 2

2in = 6

3in = 9

ME = 2.244

VS = 2.125

GS = 2.483

PATTERN #	5		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.476	.744	.728
MINIMUM X	-.868	-.704	-.728
MAXIMUM Y	1.092	1.150	.831
MINIMUM Y	-1.032	-.975	-.831
CENTROID X	.479	.315	.339
CENTROID Y	.439	.381	.257
POR TO CENTROID in.	.650	.495	.413
MIN RADIUS	.278	.350	.349
MEAN RADIUS	.884	.803	.747
MAX RADIUS	1.564	1.165	.987
HORIZONTAL SPREAD	2.344	1.448	1.448
VERTICAL SPREAD	2.125	2.125	1.662
EXTREME SPREAD	2.483	2.138	1.779
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		9	

RECEIVING AND ESTIMATING REPORT

COMMENTS

ORDER
R 94-34905

M-24 W/ULTRA 10X-M3A SCOPE & DEPLOYMENT KIT

Scope 90-0872

INITIAL FPS CUSTOMER ORDER NO.

DATE RECEIVED 12/05/94	DATE OPENED 12/05/94	DATE CODE XJ 12-89	SERIAL NUMBER C6349216	NEW SERIAL NUMBER	MODEL AND GRADE 700 7.62 NATO
ACCESSORIES SLING STRAP W/STUDS			W/SWIVELS		SCOPE MNTS SCOPE BASE
W/HARD CASE & SOFT CASE					

FROM:

DEPT. OF THE ARMY
SUPPLY DIVISION
FT MCCOY

WI 54656

SHIP TO:

DEPT. OF THE ARMY
SUPPLY DIVISION
FT MCCOY

WI
54656

CUST NO: 109575 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			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

PARTS

COMMENTS

Trigger Assy \$173.31
✓ Firing pin Assy 9.96
CTI \$30.00
\$233.27

REPAIRMAN PROOF CLEAN TEST TARGET PATTERN

GALLERY TESTER DATE DATE DATE DATE DATE DATE

OFFICE COPY

FD6925 REV. 1/94

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

M2400110386

SWS TRIGGER PULL TEST

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

SERIAL NO. C6349216

DATE 10-17-95

TESTER DA

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	2.53	2.33	2.49	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.42	2.40	2.47	
PULL #3	2.29	2.30	2.51	
PULL #4	2.41	2.41	2.49	
PULL #5	2.37	2.40	2.47	
TOTAL	12.02	11.84	12.43	
AVG.	2.40	2.36	2.48	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.02	3.03		
PULL #2	3.28	3.00		
PULL #3	3.28	3.09		
PULL #4	3.24	3.22		
PULL #5	3.16	3.22		
TOTAL	15.96	15.56		
AVG.	3.19	3.11		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.03	3.92	4.28	
PULL #2	3.94	3.94	4.33	
PULL #3	3.75	3.94	4.27	
PULL #4	3.94	3.93	4.30	
PULL #5	3.96	3.98	4.27	
TOTAL	19.62	19.71	21.45	
AVG.	3.92	3.94	4.29	

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C 6349216

OP. #	OP. NAME	READINGS	DATE	INITIAL
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	5	5 1/4	5			12/5	WB
	G) Safety Off Force	4	3 1/2	4			12/5	WB
	H) Trigger Pull Test & Retainability							
	I) Firing Pin Indent	.073	.0775	.073			12/5	WB
	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							
	A) Time							
	B) Malfunctions							
	C) Pierced Primers							
	D) Optical Clarity of Scope							
645	Inspect for Live Ammo							
655	Final Inspection							
	A) Headspace							
	B) Trigger Pull	2.72	2.77	2.71	2.66	2.68	12/5	WB
	C) Function							
660	Pack							