

06349157

MODEL 700TM M24

Model **SMS** TM

Action

Barrel Length

Capacity

Order No. **5715**

*Includes 1 in chamber.

Remington

RECEIVING AND ESTIMATE REPORT

COMMENTS

ORDER
R 95-10956

INITIAL CUSTOMER ORDER NO.

FJB

W/10X SCOPE SNIPER W/DEPLOYMENT KIT

ATTN: FRED MARTIN

Scope S/N 90 0809

DATE RECEIVED

DATE OPENED

DATE CODE

SERIAL NUMBER

NEW SERIAL NUMBER

MODEL AND GRADE

03/30/95

03/31/95

RJ 11-89

C6349167

700

7.62

NATO

ACCESSORIES

SLING STRAP

SCOPE MNTS

SCOPE BASE

HARD CASE

SOFT CASE

FROM:

SHIP TO:

COMMANDER (W52H094138H226)
DEFENSE DIST DEPOT ANNISTON
ATTN DDAA-UR BLDG 112
ANNISTON

AL 36201-5025

COMMANDER (W52H094138H226)
DEFENSE DIST DEPOT ANNISTON
ATTN DDAA-UR BLDG 112
ANNISTON

AL

36201-5025

CUST NO: 098397 C.O.D.L

ACCOUNT NUMBER

ACCOUNT NUMBER N/C

WRITE ☐

PROM. DATE

ESTIMATED

VIA

7-12-96 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

NEW BARREL

Stock

TRIGGER ASSY

FIRING PIN ASSY

Front & Rear sight Assy

Component Carrying Case Assy

96069

Scope Case 96081

REPAIRMAN

PROOF

CLEAN

TEST

TARGET

PATTERN

GALLERY TESTER

DATE

DATE

DATE

DATE

DATE

OFFICE COPY

7/20/96 7/20/96
8/8/96 8/8/96

DD FORM 134

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 012499109310

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C 634 9167

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		7-11	REP
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		7-11	REP
	C) Inspect Ejector Hole for Chamfer		7-11	REP
	D) Oil Firing Pin Ass'y		7-11	REP
	E) Adjust Trigger Pull to Min Setting and Stake			

op. #	BARBER - M24 0109273 OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	7.5	7.5	7.5			7-11	REP
	G) Safety Off Force	4	4	4			7-11	REP
	H) Trigger Pull Test & Retainability							
	I) Firing Pin Indent	.0235	.024	.0245			7-11	REP
	J) Assemble Stock						7-11	REP
	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						7-12	REP
	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	2.68	2.68	2.77	2.59	2.73	8-20-96	DA
	C) Function							
660	Pack							

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

SERIAL NO. C6349167
DATE 7-10-96
TESTER DA

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	2.50	2.42	2.47	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.44	2.39	2.50	
PULL #3	2.39	2.46	2.39	
PULL #4	2.51	2.43	2.54	
PULL #5	2.50	2.31	2.28	
TOTAL	12.34	12.01	12.18	
AVG.	2.46	2.40	2.43	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.04	3.00		
PULL #2	3.05	2.92		
PULL #3	3.05	2.94		
PULL #4	3.03	2.97		
PULL #5	3.06	2.90		
TOTAL	15.23	14.73		
AVG.	3.04	2.94		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.14	4.13		4.15
PULL #2	4.17	4.35		4.04
PULL #3	4.28	4.35		3.85
PULL #4	4.19	4.37		4.01
PULL #5	4.13	4.38		4.19
TOTAL	20.91	21.58		20.24
AVG.	4.18	4.31		4.04

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6349167
1 Jan 1900

CENTROIDAL DISTANCES

0 TO	1	.215133
1 TO	2	.618712
1 TO	3	.518314
1 TO	4	.522361
1 TO	5	.301796

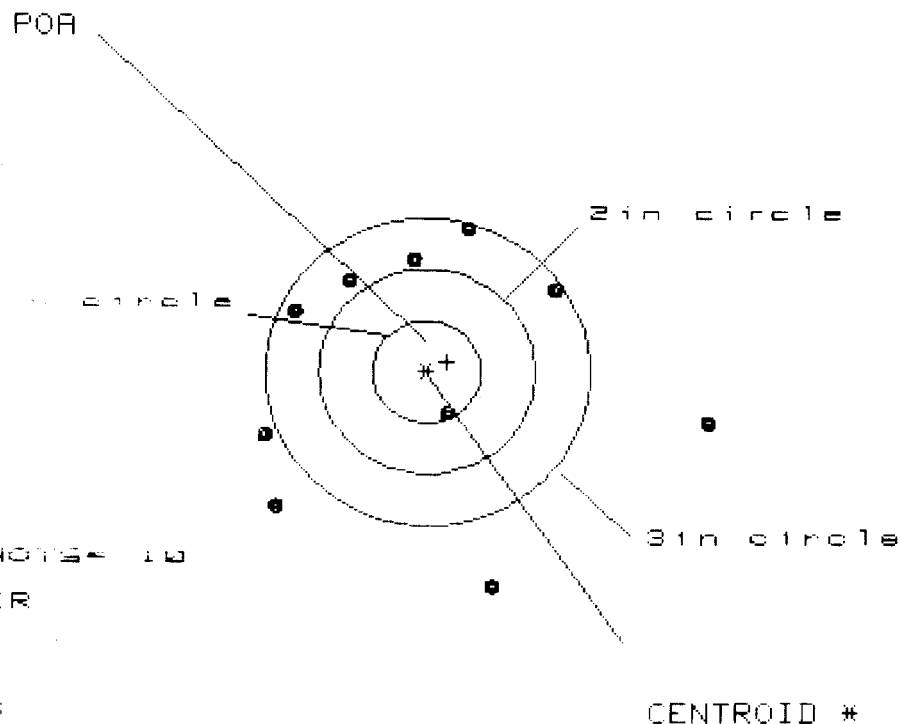
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THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0882
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0754
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .116036
THE AMR FOR THIS RIFLE IS: 1.294

1 Jan 1900

FILE:/PATTERNING/CENTERFIRE_PATT/C6349167

CENTERFIRE PATTERNS # 1



OF SHOTS = 10

IN CIR

1in = 1

2in = 1

3in = 8

HS = 4.060

VS = 3.524

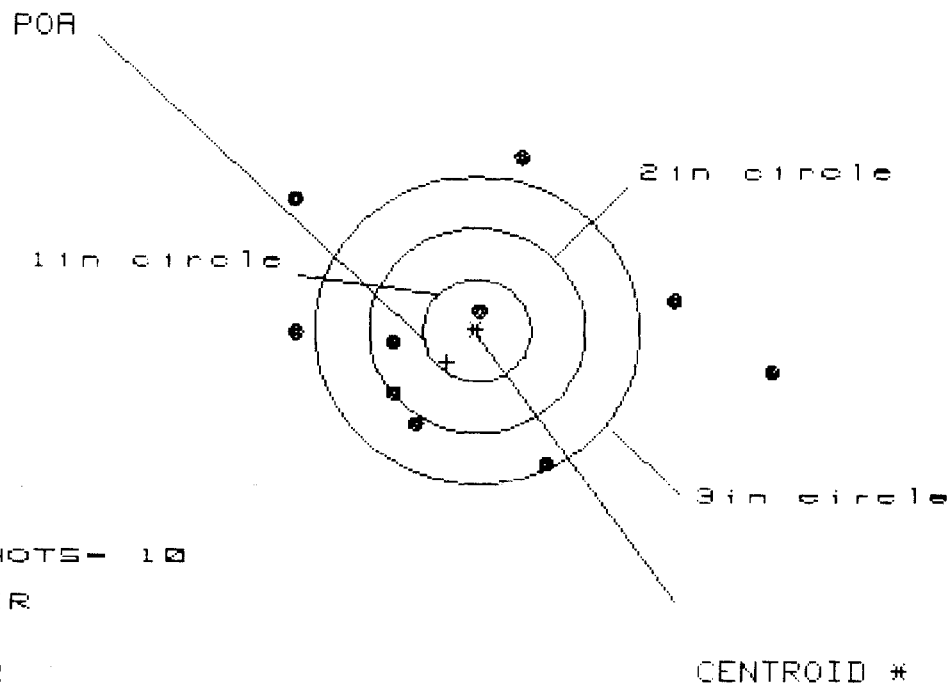
GS = 4.106

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	2.587	1.457	1.561
MINIMUM X	-1.473	-1.186	-1.082
MAXIMUM Y	1.385	1.334	1.060
MINIMUM Y	-2.139	-2.190	-1.585
CENTROID X	-0.191	-0.478	-0.582
CENTROID Y	-0.099	-0.048	0.226
POA TO CENTROID in.	0.215	0.481	0.624
MIN RADIUS	0.459	0.669	0.695
MEAN RADIUS	1.531	1.377	1.203
MAX RADIUS	2.627	2.342	1.901
HORIZONTAL SPREAD	4.060	2.643	2.643
VERTICAL SPREAD	3.524	3.524	2.645
EXTREME SPREAD	4.106	3.526	3.355
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	1		
NUMBER IN THREE INCH CIRCLE =	6		

1 Jan 1900

FILE:/PATTERNING/CENTERFIRE_PATT/C6349167

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in - 1

2in - 2

3in - 5

HS- 4.483

VS= 3.012

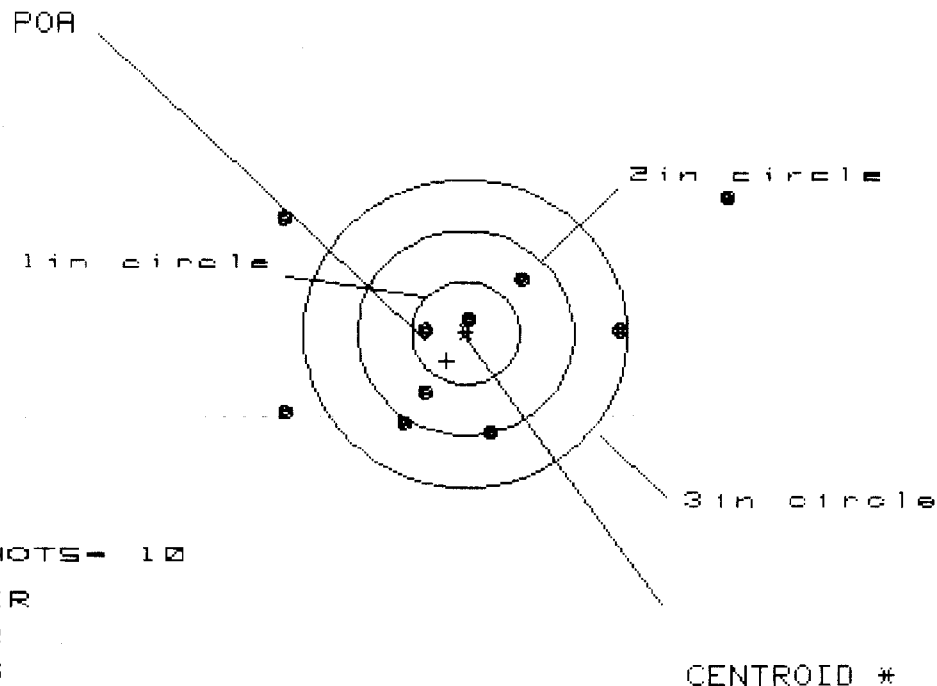
GS= 4.786

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	2.768	2.123	1.947
MINIMUM X	:	-1.715	-1.408	-1.559
MAXIMUM Y	:	1.663	1.619	1.775
MINIMUM Y	:	-1.349	-1.393	-1.237
CENTROID X	:	.275	-.032	.144
CENTROID Y	:	.308	.352	.196
POA TO CENTROID in.	:	.413	.353	.243
MIN RADIUS	:	.176	.336	.317
MEAN RADIUS	:	1.468	1.271	1.190
MAX RADIUS	:	2.795	2.134	1.982
HORIZONTAL SPREAD	:	4.483	3.531	3.506
VERTICAL SPREAD	:	3.012	3.012	3.012
EXTREME SPREAD	:	4.786	3.678	3.515
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		2	
NUMBER IN THREE INCH CIRCLE	=		5	

1 Jan 1900

FILE:/PATTERNING/CENTERFIRE_PATT/C6349167

CENTERFIRE PATTERNS # 3



OF SHOTS - 10

IN CIR

1 in - 2

2 in - 5

3 in - 7

HS = 4.091

VS = 2.252

GS = 4.567

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	2.418	1.722	1.551
MINIMUM X	:	-1.672	-1.404	-1.575
MAXIMUM Y	:	1.301	1.321	.832
MINIMUM Y	:	-.951	-.806	-.641
CENTROID X	:	.174	-.094	.077
CENTROID Y	:	.269	.124	-.041
POA TO CENTROID in.	:	.320	.156	.087
MIN RADIUS	:	.099	.161	.397
MEAN RADIUS	:	1.198	.992	.869
MAX RADIUS	:	2.746	1.904	1.630
HORIZONTAL SPREAD	:	4.091	3.126	3.126
VERTICAL SPREAD	:	2.252	2.127	1.473
EXTREME SPREAD	:	4.567	3.298	3.217
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		7	

1 Jan 1900

FILE:/PATTERNING/CENTERFIRE_PATT/C6349167

CENTERFIRE PATTERNS # 4

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS- 10

IN CIR

1in = 2

2in = 4

3in = 7

HS= 2.063

VS= 3.546

GS= 3.833

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.182	1.084	1.173
MINIMUM X	:	-.881	-.941	-.852
MAXIMUM Y	:	1.800	1.203	1.022
MINIMUM Y	:	-1.746	-1.546	-1.727
CENTROID X	:	.294	.392	.303
CENTROID Y	:	-.293	-.493	-.313
POA TO CENTROID in.	:	.415	.629	.435
MIN RADIUS	:	.157	.232	.153
MEAN RADIUS	:	1.111	1.042	.913
MAX RADIUS	:	2.004	1.607	1.737
HORIZONTAL SPREAD	:	2.063	2.025	2.025
VERTICAL SPREAD	:	3.546	2.749	2.749
EXTREME SPREAD	:	3.833	3.037	2.850
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		7	

1 Jan 1900

FILE: PATTERNING/CENTERFIRE_PATT/C6349167

CENTERFIRE PATTERNS # 5

POB

1in circle

2in circle

3in circle

OF SHOTS- 10

IN CIR

1in = 1

2in = 3

3in = 8

HS= 2.999

VS= 3.105

GS= 3.109

CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	10	10
MAXIMUM X	1.284	1.115	1.059
MINIMUM X	-1.715	-1.189	-1.363
MAXIMUM Y	1.314	1.115	1.085
MINIMUM Y	-1.791	-1.189	-1.219
CENTROID X	-.111	-.102	.114
CENTROID Y	.192	.391	.421
POB TO CENTROID in.	.222	.404	.436
MIN RADIUS	.151	.065	.199
MEAN RADIUS	1.164	1.067	.983
MAX RADIUS	1.793	1.741	1.363
HORIZONTAL SPREAD	2.999	2.999	2.422
VERTICAL SPREAD	3.105	2.304	2.304
EXTREME SPREAD	3.109	3.002	2.425
NUMBER IN ONE INCH CIRCLE	1	1	1
NUMBER IN TWO INCH CIRCLE	3	3	3
NUMBER IN THREE INCH CIRCLE	8	8	8

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6349167

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	10-9	89	RW
600	Proof	10-9	89	A
607	Check Headspace	10-9	89	RW
610	Dis-assemble Gun	10-9	89	RW
612	Magnaflux Barrel Action	10/31/89		KER
	Magnaflux Bolt	10/31/89		KER
615	Rollmark Caliber			
7	Drill and Tap Sight Holes			
618	Polish Barrel			
620	Apply Coatings (Barrel Action)		11-3-89	TJA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		11-8-89	A
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11-8-89	A
	C) Inspect Ejector Hole for Chamfer		11-8-89	A
	D) Oil Firing Pin Ass'y		11-8-89	A
	E) Adjust Trigger Pull to Min Setting and Stake		15 NOV 89	JDS

BARBER - M24 0109282								
op. #	OP. NAME	READINGS			DATE	INIT		
625 cont.	F) Safety On Force	6	5	5	15 Nov 89	JS		
	G) Safety Off Force	3	3	3	15 Nov 89	JS		
	H) Trigger Pull Test & Retainability				15 Nov 89	JS		
	I) Firing Pin Indent	.0205	.020	.0205	15 Nov 89	JS		
	J) Assemble Stock				11-16-89	A		
	K) Assemble Swivel Studs				27 Nov 89	JS		
	L) Attach Front and Rear Sight Assemblies				11-16-89	A		
	M) Iron Sight Alignment				11-16-89	A		
	N) Detach Front & Rear Sights & place in numbered container				11-16-89	A		
	O) Attach Scope to Rifle				16 Nov 89	JS		
	P) Detach & Attach Scope 20 Times				16 Nov 89	JS		
640	Gallery Target & Test				11-17-89	DH		
	A) Time				11-17-89	DH		
	B) Malfunctions				11-17-89	DH		
	C) Pierced Primers				11-17-89	DH		
	D) Optical Clarity of Scope				11-17-89	DH		
645	Inspect for Live Ammo				11-17-89	DH		
655	Final Inspection							
	A) Headspace				27 Nov 89	JS		
	B) Trigger Pull	2.14	2.19	2.16	2.15	2.14	27 Nov 89	JS
	C) Function						27 Nov 89	JS
660	Pack						15 Dec 89	JS

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6349167DATE 10 Mar 90TESTER DS

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	249	258	270	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	252	250	270	
PULL #3	258	242	261	
PULL #4	260	253	259	
PULL #5	257	255	270	
TOTAL	1276	1258	1330	
AVG.	2552	2516	266	

	3.00# INITIAL	3.00# AFTER 20 CYCLES	COMMENTS
PULL #1	318	291	
PULL #2	316	305	
PULL #3	323	313	
PULL #4	320	322	
PULL #5	319	325	
TOTAL	1596	1561	
AVG.	3192	3122	

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	408	413		
PULL #2	412	422		
PULL #3	416	379		
PULL #4	417	422		
PULL #5	413	390		
TOTAL	2066	2026		
AVG.	4132	4052		

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06349167
17 Nov 1989

CENTROIDAL DISTANCES

0 TO	1	.700972
1 TO	2	.0424382
1 TO	3	.640103
1 TO	4	.283323
1 TO	5	.237966

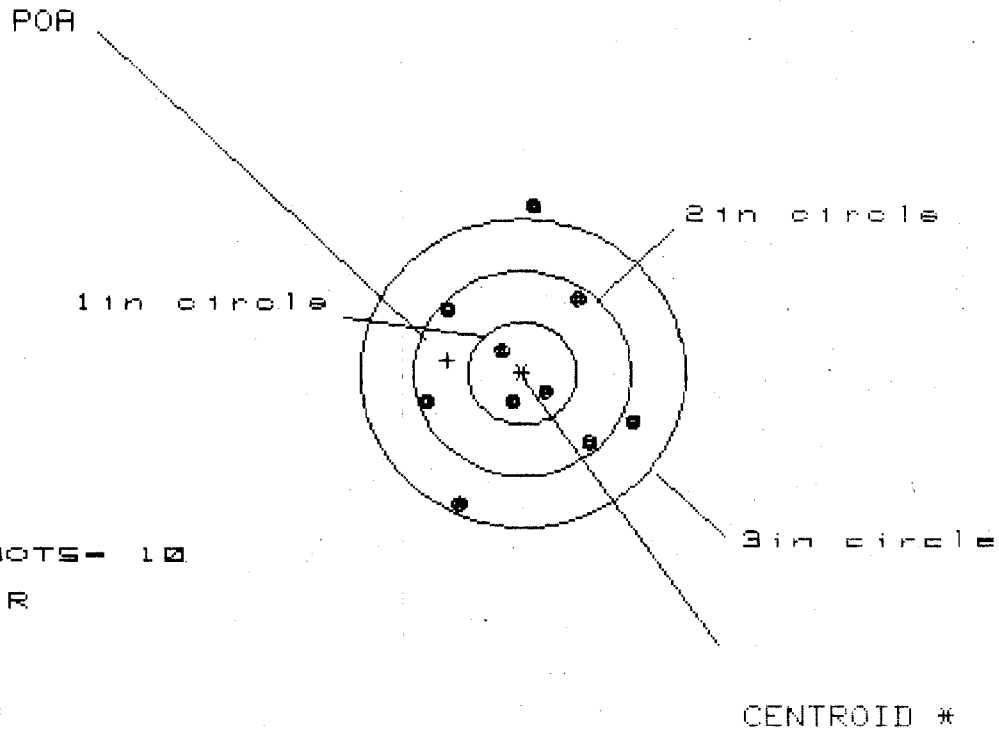
+ $\frac{3}{4}$ <----POA
2

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .6556
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.2462
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .700304
THE AMR FOR THIS RIFLE IS: .8198

17 Nov 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06349167

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 3

2in = 7

3in = 9

HS= 1.887

VS= 2.851

GS= 2.955

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.984	.999	.922
MINIMUM X	-.903	-.888	-.965
MAXIMUM Y	1.593	.864	.729
MINIMUM Y	-1.258	-1.081	-.631
CENTROID X	.689	.674	.751
CENTROID Y	-.129	-.306	-.171
POA TO CENTROID in.	.701	.740	.770
MIN RADIUS	.299	.131	.224
MEAN RADIUS	.865	.765	.699
MAX RADIUS	1.599	1.246	1.005
HORIZONTAL SPREAD	1.887	1.887	1.887
VERTICAL SPREAD	2.851	1.945	1.360
EXTREME SPREAD	2.955	2.281	1.981
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	9		

17 Nov 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06349167

CENTERFIRE PATTERNS # 2

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS- 10

IN CIR

1in = 4

2in = 7

3in = 10

HS= 1.541

VS= 2.539

GS= 2.550

PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.805	.742	.694
MINIMUM X	:	-.736	-.799	-.847
MAXIMUM Y	:	1.298	1.160	.902
MINIMUM Y	:	-1.241	-.627	-.482
CENTROID X	:	.724	.787	.835
CENTROID Y	:	-.153	-.015	-.160
POA TO CENTROID in.	:	.740	.787	.851
MIN RADIUS	:	.125	.032	.148
MEAN RADIUS	:	.762	.685	.606
MAX RADIUS	:	1.364	1.224	1.138
HORIZONTAL SPREAD	:	1.541	1.541	1.541
VERTICAL SPREAD	:	2.539	1.787	1.384
EXTREME SPREAD	:	2.550	2.036	1.836
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

17 Nov 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08349167

CENTERFIRE PATTERNS # 3

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS- 10

IN CIR

1 in - 2

2 in - 8

3 in = 10

HS= 1.634

VS= 2.246

GS= 2.315

PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.810	.739	.781
MINIMUM X	:	-.824	-.734	-.692
MAXIMUM Y	:	1.127	.970	.845
MINIMUM Y	:	-1.119	-.994	-.640
CENTROID X	:	.863	.773	.731
CENTROID Y	:	-.745	-.870	-.745
POA TO CENTROID in.	:	1.140	1.164	1.044
MIN RADIUS	:	.155	.123	.029
MEAN RADIUS	:	.761	.683	.611
MAX RADIUS	:	1.388	1.050	.965
HORIZONTAL SPREAD	:	1.634	1.473	1.473
VERTICAL SPREAD	:	2.246	1.964	1.486
EXTREME SPREAD	:	2.315	2.092	1.804
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		10	

17 Nov 1989

FILE:/PATTERNING/CENTERFIRE_PATT/08349167

CENTERFIRE PATTERNS # 4

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS- 10

IN CIR

1in - 0

2in - 8

3in = 10

HS= 1.837

VS= 1.920

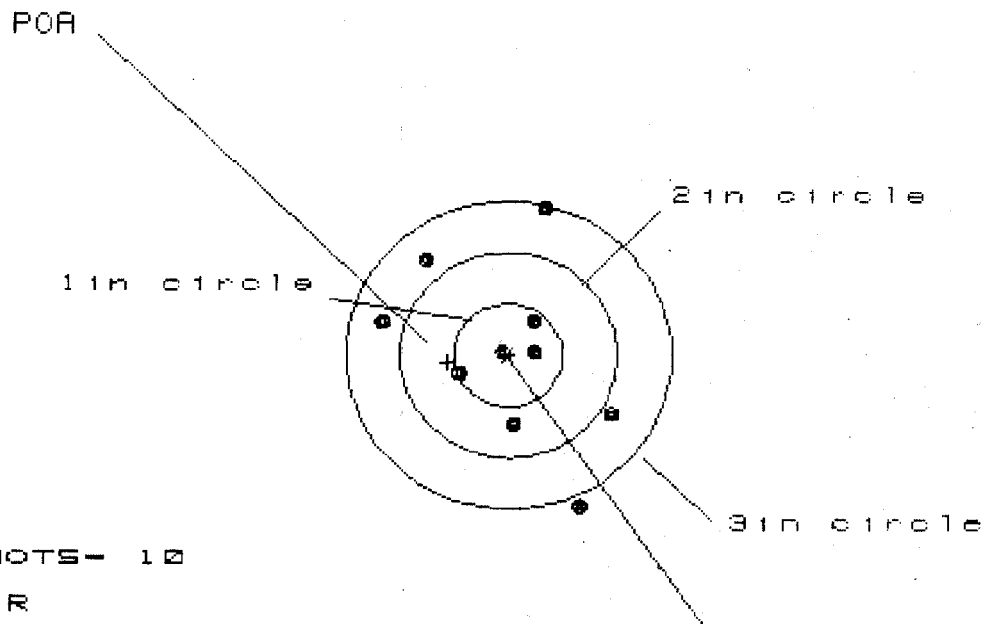
GS= 2.176

PATTERN #	:	1	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.814	.700	.627
MINIMUM X	:	-1.023	-.901	-.974
MAXIMUM Y	:	.988	1.028	.925
MINIMUM Y	:	-.932	-.822	-.780
CENTROID X	:	.445	.559	.632
CENTROID Y	:	-.273	-.383	-.281
POA TO CENTROID in.	:	.523	.678	.691
MIN RADIUS	:	.595	.556	.505
MEAN RADIUS	:	.867	.782	.739
MAX RADIUS	:	1.423	1.047	.976
HORIZONTAL SPREAD	:	1.837	1.601	1.601
VERTICAL SPREAD	:	1.920	1.850	1.706
EXTREME SPREAD	:	2.176	2.007	1.708
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		10	

17 May 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6349167

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 4

2in = 5

3in = 9

HS= 2.087

VS= 2.870

GS= 2.893

CENTROID *

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.926	1.003	1.054
MINIMUM X	-1.160	-1.084	-1.033
MAXIMUM Y	1.396	1.233	.925
MINIMUM Y	-1.474	-.854	-.700
CENTROID X	.557	.481	.430
CENTROID Y	.069	.232	.078
POA TO CENTROID in.	.562	.534	.437
MIN RADIUS	.108	.156	.020
MEAN RADIUS	.844	.766	.666
MAX RADIUS	1.627	1.297	1.205
HORIZONTAL SPREAD	2.087	2.087	2.087
VERTICAL SPREAD	2.870	2.087	1.625
EXTREME SPREAD	2.893	2.281	2.281
NUMBER IN ONE INCH CIRCLE =	4		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	9		

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

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

MODEL 700™ M24

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

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