

C6523492

MODEL 700TM M24

Model **SMS** TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

Remington [®]		DU PONT REG. U.S. PAT. & TM. OFF.	VERY IMPORTANT: Instruction Book enclosed to assure safe use of this firearm.
MODEL 700TM M24		SERIAL NO. C6523492	ORDER NO. 5716
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat & Tm. Off, Marca Registrada Marque Deposee.		Ø1	
 5716 C6523492			

UPC



0 47700 25716 7

M-24CONTRACT # DAAA21-87-C-0086GUN SERIAL # **C 6523492**

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		10/2/90	Kel
600	Proof		10/2/90	Kel
607	Check Headspace		10/2/90	Kel
610	Dis-assemble Gun		10/2/90	Kel
612	Magnaflux Barrel Action		10/5/90	KR
	Magnaflux Bolt		10/5/90	KR
615	Rollmark Caliber		10/5/90	GL
617	Drill and Tap Sight Holes		10/8/90	KLB
618	Polish Barrel <i>RKB</i>		10/9/90	WLB
620	Apply Coatings (Barrel Action)		10-20-90	TH
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		10/21/90	Kel
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		10/21/90	Kel
	C) Inspect Ejector Hole for Chamfer		10/21/90	Kel
	D) Oil Firing Pin Ass'y		10/21/90	Kel
	E) Adjust Trigger Pull to Min Setting and Stake		10/27/90	Kel

op. #	OP. NAME	READINGS			DATE	INIT		
625 cont.	F) Safety On Force	5	5	5	10/30/90	WB		
	G) Safety Off Force	2 1/4	2 1/4	2 1/4	10/30/90	WB		
	H) Trigger Pull Test & Retainability				10/29/90	JH		
	I) Firing Pin Indent	1.021	1.0205	1.0205	10/30/90	WB		
	J) Assemble Stock				10/31/90	KH		
	K) Assemble Swivel Studs				11/19/90	JS		
	L) Attach Front and Rear Sight Assemblies				10/31/90	KH		
	M) Iron Sight Alignment				10/31/90	KH		
	N) Detach Front & Rear Sights & place in numbered container				10/31/90	KH		
	O) Attach Scope to Rifle				10/31/90	KH		
	P) Detach & Attach Scope 20 Times				10/31/90	KH		
640	Gallery Target & Test				11-1-90	DH		
	A) Time				11-1-90	DH		
	B) Malfunctions				11-1-90	DH		
	C) Pierced Primers				11-1-90	DH		
	D) Optical Clarity of Scope				11-1-90	DH		
645	Inspect for Live Ammo				11-1-90	DH		
655	Final Inspection							
	A) Headspace				11/19/90	JS		
	B) Trigger Pull	2.33	2.43	2.41	2.54	2.56	11/19/90	JS
	C) Function						11/19/90	JS
660	Pack						12/18/90	W

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6523492

DATE 10/29/90

TESTER JF

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.25	2.32	2.36	233	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.32	2.14	2.30	243	
PULL #3	2.35	2.28	2.40	241	
PULL #4	2.30	2.36	2.42	254	
PULL #5	2.29	2.38	2.35	256	
TOTAL	11.51	11.48	11.83		
AVG.	2.302	2.296	2.366		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.43	3.43		
PULL #2	3.26	3.47		
PULL #3	3.35	3.45		
PULL #4	3.24	3.46		
PULL #5	3.46	3.36		
TOTAL	16.74	17.17		
AVG.	3.348	3.434		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.39	4.32		4.36
PULL #2	4.50	4.21		4.37
PULL #3	4.27	4.26		4.35
PULL #4	4.26	4.36		4.38
PULL #5	4.28	4.25		4.33
TOTAL	21.7	21.4		21.79
AVG.	4.34	4.28		4.356

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6523492
1 Nov 1990

CENTROIDAL DISTANCES

0 TO	1	.0912414
1 TO	2	.203934
1 TO	3	.288376
1 TO	4	.18813
1 TO	5	.191951

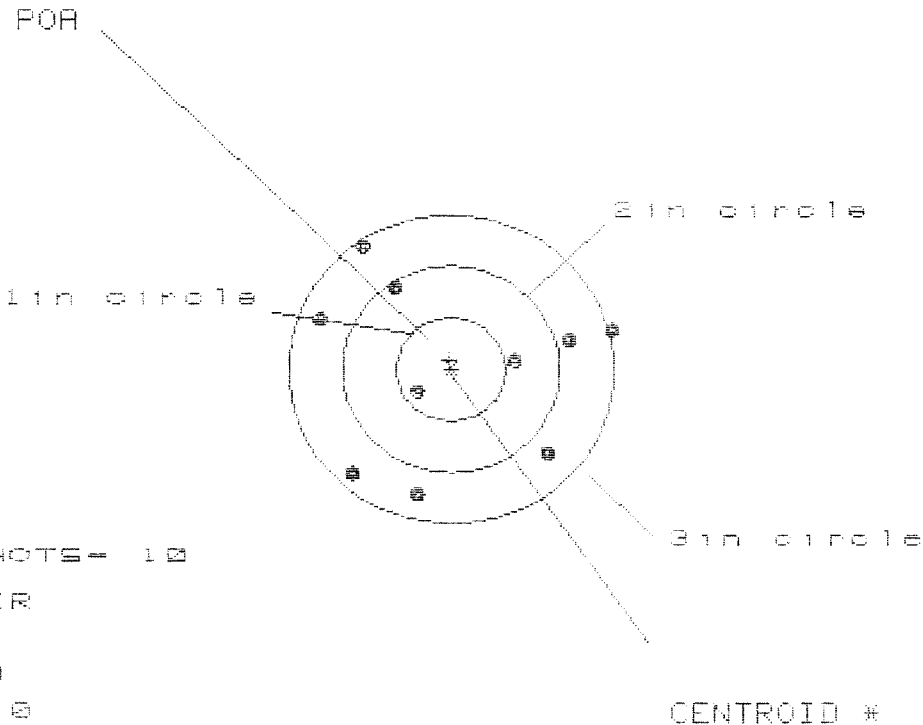
←----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0008
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .023
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0230139
THE AMR FOR THIS RIFLE IS: .9558

1 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06523492

CENTERFIRE PATTERNS # 1



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 3

3 in = 10

HS = 2.703

VS = 2.354

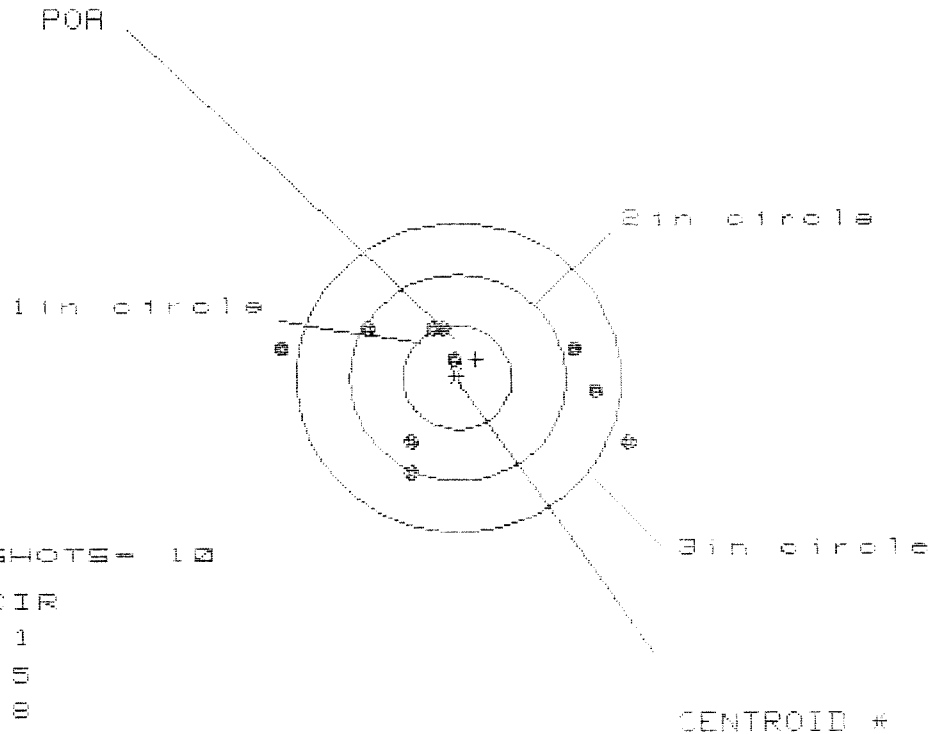
GS = 2.744

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.454	1.204	1.128
MINIMUM X	-1.249	-1.087	-1.163
MAXIMUM Y	1.161	1.201	.955
MINIMUM Y	-1.193	-1.153	-1.003
CENTROID X	.015	-.147	-.071
CENTROID Y	-.090	-.130	-.280
POA TO CENTROID in.	.091	.196	.289
MIN RADIUS	.335	.191	.187
MEAN RADIUS	1.094	1.035	.984
MAX RADIUS	1.498	1.346	1.352
HORIZONTAL SPREAD	2.703	2.291	2.291
VERTICAL SPREAD	2.354	2.354	1.958
EXTREME SPREAD	2.744	2.587	2.528
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	3		
NUMBER IN THREE INCH CIRCLE =	10		

1 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6523492

CENTERFIRE PATTERNS # 2



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 5

3 in = 8

HS = 3.162

VS = 1.408

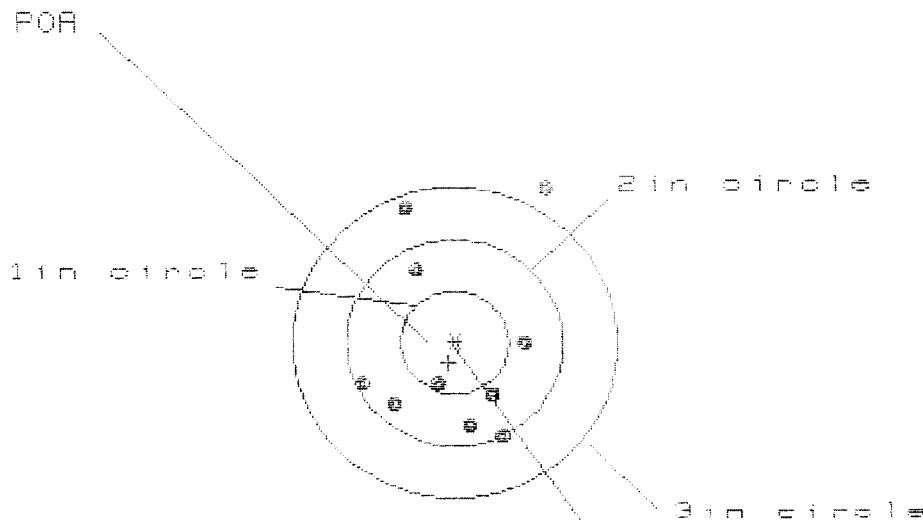
GS = 3.302

PATTERN #	2
SHOTS (BEST OF)	10
MAXIMUM X	1.523
MINIMUM X	-1.639
MAXIMUM Y	.528
MINIMUM Y	-.880
CENTROID X	-.168
CENTROID Y	-.180
POR TO CENTROID in.	.246
MIN RADIUS	.203
MEAN RADIUS	.973
MAX RADIUS	1.664
HORIZONTAL SPREAD	3.162
VERTICAL SPREAD	1.408
EXTREME SPREAD	3.302
NUMBER IN ONE INCH CIRCLE =	1
NUMBER IN TWO INCH CIRCLE =	5
NUMBER IN THREE INCH CIRCLE =	8

1 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06523492

CENTERFIRE PATTERNS # 3



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 7

3 in = 9

HSP = 1.663

VSP = 2.471

ESP = 2.553

CENTROID #

PATTERN #	3		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.793	.699	.659
MINIMUM X	-.870	-.782	-.822
MAXIMUM Y	1.553	1.466	1.944
MINIMUM Y	-.918	-.745	-.562
CENTROID X	.059	-.029	.011
CENTROID Y	.195	.022	-.161
POA TO CENTROID in.	.204	.037	.161
MIN RADIUS	.392	.201	.088
MEAN RADIUS	.906	.763	.616
MAX RADIUS	1.744	1.501	1.083
HORIZONTAL SPREAD	1.663	1.481	1.481
VERTICAL SPREAD	2.471	2.211	1.606
EXTREME SPREAD	2.553	2.379	1.796
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		9	

1 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8523492

CENTERFIRE PATTERNS

4

POA

1 in circle

2 in circle

3 in circle

OF SHOTS = 10

IN CIR

1 in = 2

2 in = 7

3 in = 9

HS = 1.556

VS = 2.990

GS = 3.039

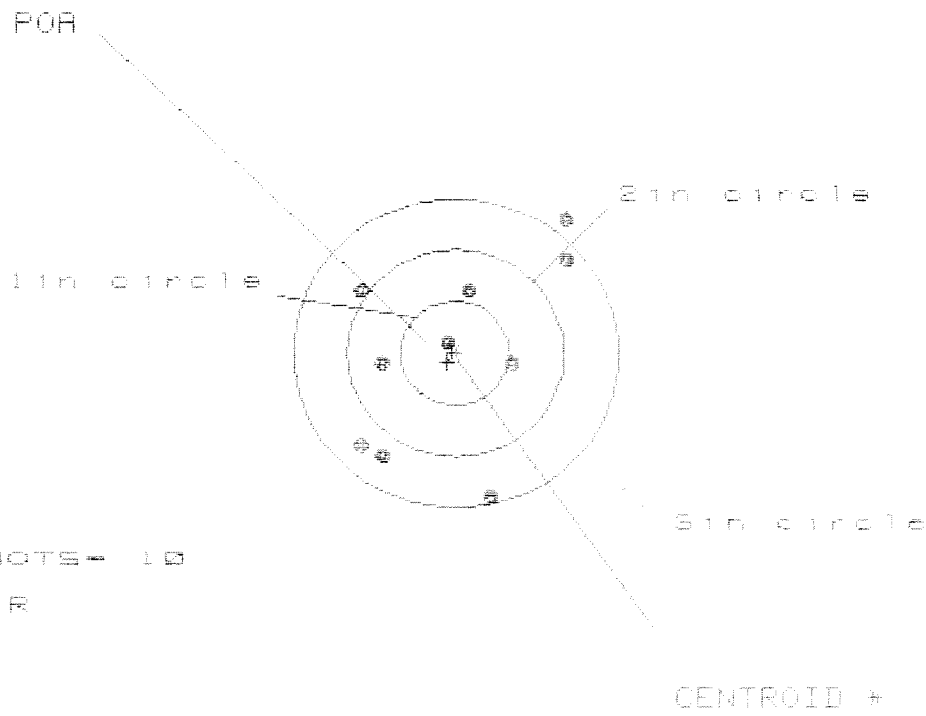
CENTROID #

PATTERN #	1	4	2
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.810	.873	.884
MINIMUM X	-.746	-.683	-.672
MAXIMUM Y	1.695	.910	.771
MINIMUM Y	-1.295	-1.106	-.834
CENTROID X	.022	-.041	-.052
CENTROID Y	.098	-.091	.048
POA TO CENTROID in.	.100	.100	.070
MIN RADIUS	.288	.101	.238
MEAN RADIUS	.830	.685	.643
MAX RADIUS	1.788	1.137	1.023
HORIZONTAL SPREAD	1.556	1.556	1.556
VERTICAL SPREAD	2.990	2.016	1.605
EXTREME SPREAD	3.039	2.158	1.782
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		9	

1 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6523492

CENTERFIRE PATTERNS # 5



OF SHOTS = 10

IN CIR

1in = 1

2in = 4

3in = 5

HS = 1.978

VS = 2.640

CS = 2.933

PATTERN #	5	5	5
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.073	1.131	1.130
MINIMUM X	-1.905	-1.785	-1.726
MAXIMUM Y	1.276	1.037	.884
MINIMUM Y	-1.064	-1.223	-1.987
CENTROID X	.076	-.044	-.103
CENTROID Y	.032	-.049	.104
POA TO CENTROID in.	.119	.066	.146
MIN RADIUS	.102	.226	.130
MEAN RADIUS	.976	.900	.821
MAX RADIUS	1.667	1.504	1.483
HORIZONTAL SPREAD	1.978	1.916	1.916
VERTICAL SPREAD	2.640	2.260	1.871
EXTREME SPREAD	2.933	2.619	2.619
NUMBER IN ONE INCH CIRCLE =	1	1	1
NUMBER IN TWO INCH CIRCLE =	4	4	4
NUMBER IN THREE INCH CIRCLE =	5	5	5

RECEIVING AND ESTIMATING REPORT

COMMENTS

ORDER
R 94-18154

INITIAL FDC CUSTOMER ORDER NO. DAAA09-92-C-0834

W/10X SCOPE M-24 SNIPER, W/DEPLOYMENT KIT
ATTN: FRED MARTIN

DATE RECEIVED 06/10/94	DATE OPENED 06/10/94	DATE CODE	SERIAL NUMBER C6523492	NEW SERIAL NUMBER	MODEL AND GRADE 700 7-62 NATO
ACCESSORIES SLING STRAP		HARD CASE		SCOPE MNTS	SCOPE BASE

Scope # 9/N 88-0534

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
					FRT

- 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
✓ Barrel	643.42
✓ Stock Assy	471.11
✓ Trigger Assy	173.31
✓ Mag Box	2.06
✓ Mag follower	6.12
✓ Mag Spring	1.70
✓ Firing pin Assy	9.96
Front Sight Assy	56.75
Rear Sight Assy	831.01
Clean/Inspect/Test	50.00
	<u>\$1645.44</u>
REPAIRMAN	PROOF
CLEAN	TEST
TARGET	PATTERN
GALLERY TESTER	DATE
DATE	DATE
3/2	3/2

OFFICE COPY

RD6925 REV. 1/94

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 062909829049

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6523492

DATE 2-16-96

TESTER DA

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.77	2.72	2.81		MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.79	2.79	2.81		
PULL #3	2.67	2.76	2.82		
PULL #4	2.71	2.71	2.77		
PULL #5	2.66	2.74	2.84		
TOTAL	1360	1372	1405		
AVG.	2.72	2.74	2.81		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.24	3.56		
PULL #2	3.28	3.37		
PULL #3	3.29	3.28		
PULL #4	3.30	3.42		
PULL #5	3.29	3.26		
TOTAL	1640	1689		
AVG.	3.28	3.37		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.33	4.28		4.17
PULL #2	4.34	4.37		4.13
PULL #3	4.36	4.37		4.13
PULL #4	4.43	4.34		4.04
PULL #5	4.36	4.31		4.14
TOTAL	2186	2167		2061
AVG.	4.36	4.33		4.12

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6523492

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			

BARBER - M24 0029013

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			3/7	A
	G) Safety Off Force	3	3	3			3/7	A
	H) Trigger Pull Test & Retainability							
	I) Firing Pin Indent	.023	.022	.022			3/7	AC
	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	2.74	2.70	2.67	2.60	2.69	3/7/96	WB
	C) Function							
660	Pack							

CENTROIDAL DISTANCE CALCULATIONS

FOR RIFLE # 06523492

4 Jan 1988

CENTROIDAL DISTANCES

0 TO	1	1.08732
1 TO	2	.47318
1 TO	3	.0728354
1 TO	4	.138409
1 TO	5	.519978

$\frac{3}{5}$

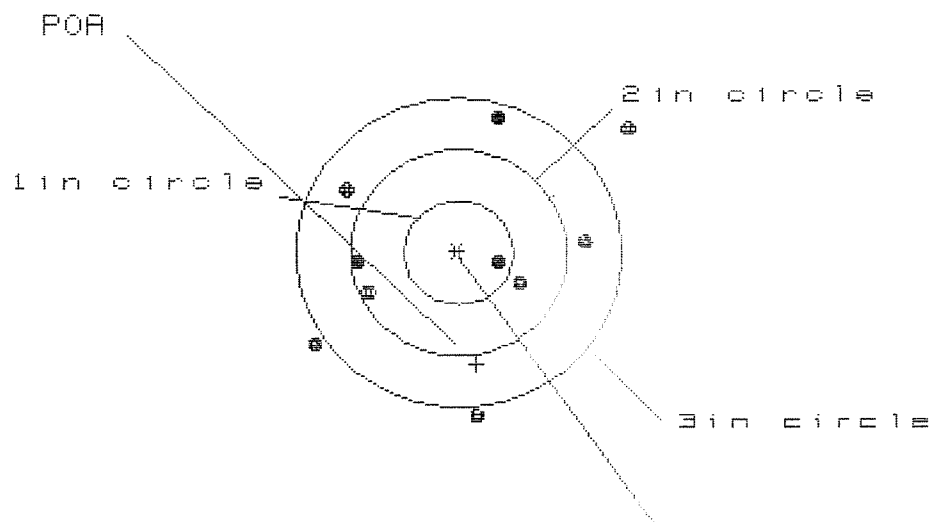
+ -----FOR

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0008
 THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: 1.0284
 THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: 1.0294
 THE AMR FOR THIS RIFLE IS: 1.029

4 Jan 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6523492

CENTERFIRE PATTERNS # 1



OF SHOTS - 10

IN CIR

1 in = 1

2 in = 4

3 in = 7

HS = 2.839

VS = 2.921

GS = 3.574

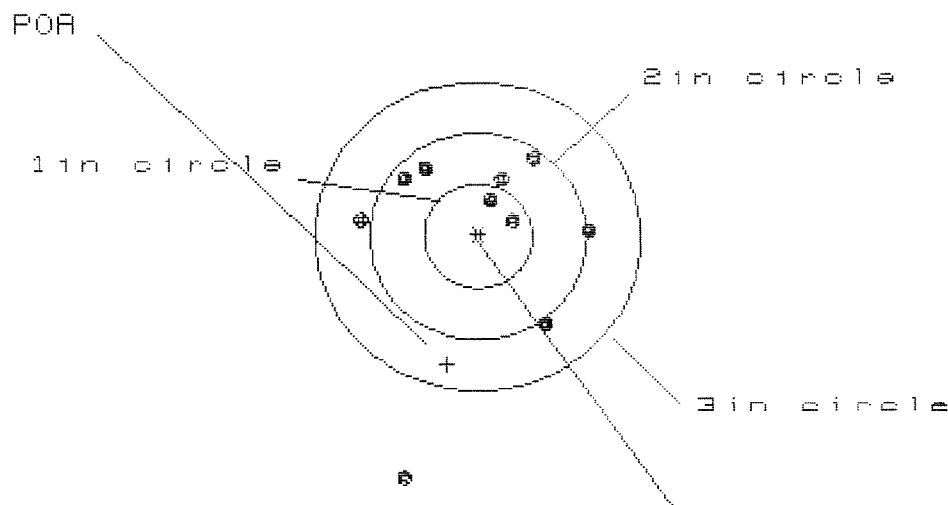
CENTROID #

PATTERN #	:	1	2	3
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.515	1.301	1.157
MINIMUM X	:	-1.324	-1.156	-.980
MAXIMUM Y	:	1.343	1.481	1.381
MINIMUM Y	:	-1.578	-1.440	-1.540
CENTROID X	:	-.164	-.332	-.188
CENTROID Y	:	1.085	.947	1.047
POA TO CENTROID in.	:	1.097	1.004	1.063
MIN RADIUS	:	.421	.580	.438
MEAN RADIUS	:	1.180	1.080	1.027
MAX RADIUS	:	1.957	1.563	1.547
HORIZONTAL SPREAD	:	2.839	2.457	2.137
VERTICAL SPREAD	:	2.921	2.921	2.921
EXTREME SPREAD	:	3.574	2.929	2.929
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		7	

4 Jan 1988

FILE:/PATTERNING/CENTERFIRE_PATT/06523492

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1in = 2

2in = 6

3in = 9

HS= 2.132

VS= 3.105

GS= 3.315

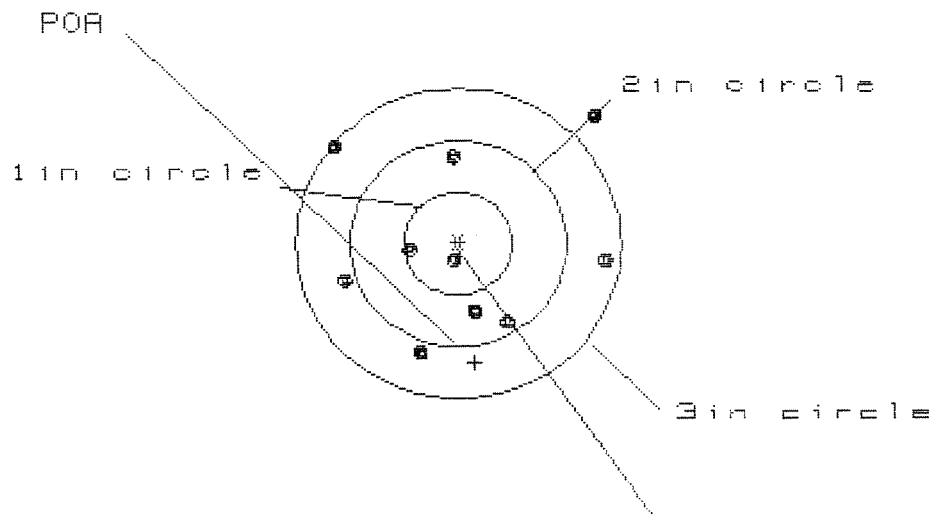
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.023	.952	.804
MINIMUM X	:	-1.109	-1.180	-.880
MAXIMUM Y	:	1.737	1.474	1.434
MINIMUM Y	:	-2.368	-1.134	-1.154
CENTROID X	:	.282	.353	.501
CENTROID Y	:	1.243	1.506	1.526
POA TO CENTROID in.	:	1.275	1.547	1.606
MIN RADIUS	:	.342	.137	.136
MEAN RADIUS	:	.964	.704	.619
MAX RADIUS	:	2.453	1.268	1.227
HORIZONTAL SPREAD	:	2.132	2.132	1.684
VERTICAL SPREAD	:	3.105	1.608	1.608
EXTREME SPREAD	:	3.315	2.132	1.953
NUMBER IN ONE INCH CIRCLE =			2	
NUMBER IN TWO INCH CIRCLE =			6	
NUMBER IN THREE INCH CIRCLE =			9	

4 Jan 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C8523492

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 2

2in = 5

3in = 9

HS= 2.446

VS= 2.312

GS= 2.824

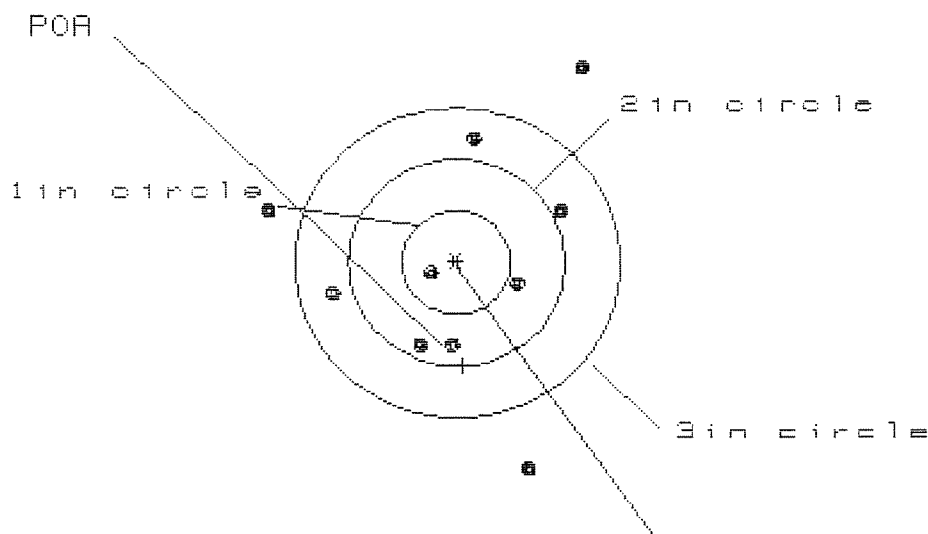
CENTROID *

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	9
MAXIMUM X	:	1.318	1.455	1.331
MINIMUM X	:	-1.128	-0.991	-1.060
MAXIMUM Y	:	1.283	1.110	1.088
MINIMUM Y	:	-1.029	-0.887	-0.748
CENTROID X	:	-0.153	-0.290	-0.166
CENTROID Y	:	1.157	1.015	0.876
POA TO CENTROID in.	:	1.167	1.055	0.892
MIN RADIUS	:	0.155	0.058	0.163
MEAN RADIUS	:	0.970	0.836	0.749
MAX RADIUS	:	1.778	1.488	1.337
HORIZONTAL SPREAD	:	2.446	2.446	2.391
VERTICAL SPREAD	:	2.312	1.997	1.836
EXTREME SPREAD	:	2.824	2.692	2.398
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

4 Jan 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C8523492

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 4

3 in = 7

HS= 2.9388

VS= 3.876

GS= 3.989

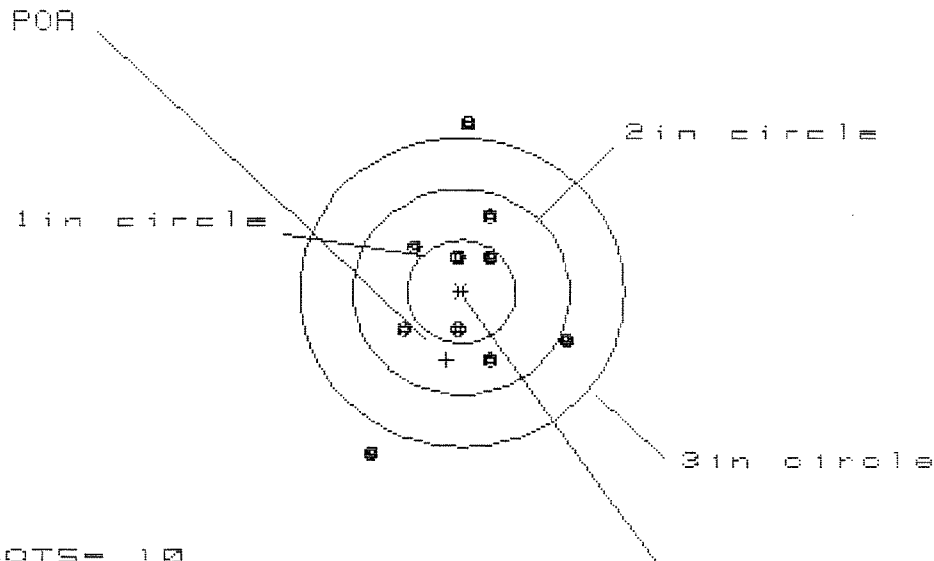
CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.158	1.052	1.150
MINIMUM X	:	-1.780	-1.652	-1.554
MAXIMUM Y	:	1.925	1.396	1.179
MINIMUM Y	:	-1.951	-1.737	-1.781
CENTROID X	:	-.058	-.186	-.284
CENTROID Y	:	.996	.782	.999
POA TO CENTROID in.	:	.998	.804	1.039
MIN RADIUS	:	.229	.185	.058
MEAN RADIUS	:	1.205	1.052	.948
MAX RADIUS	:	2.246	1.905	1.619
HORIZONTAL SPREAD	:	2.938	2.704	2.704
VERTICAL SPREAD	:	3.876	3.133	1.960
EXTREME SPREAD	:	3.989	3.423	2.705
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		7	

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CENTERFIRE PATTERNS # 5



OF SHOTS = 10

IN CIR

1 in = 3

2 in = 7

3 in = 8

HS = 1.724

VS = 3.128

CS = 3.234

CENTROID *

PATTERN #	5
SHOTS (BEST OF)	10
MAXIMUM X	.929
MINIMUM X	-.795
MAXIMUM Y	1.601
MINIMUM Y	-1.527
CENTROID X	.137
CENTROID Y	.661
POA TO CENTROID in.	.675
MIN RADIUS	.296
MEAN RADIUS	.828
MAX RADIUS	1.722
HORIZONTAL SPREAD	1.724
VERTICAL SPREAD	3.128
EXTREME SPREAD	3.234
NUMBER IN ONE INCH CIRCLE =	3
NUMBER IN TWO INCH CIRCLE =	7
NUMBER IN THREE INCH CIRCLE =	8