

C6523373

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



R 94-18386

FROM:

SHIP TO:

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

COMMANDER (W52H094138H226)
DEFENSE DIST DEPOT ANNISTON
ATTN DDAA-UR BLDG 112
ANNISTON AL
36201-5025

CUST NO: 098397 C.B.D

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

01

TRIGGER GROUP

B2

BOLT ASSY.

B3

BARREL ASS

34

REC. ASSY.

35

WOOD

C1

D3

173

46

METAL

C2

MAIN FAULT

ARTS

COMMENTS

+ Stock	376.89
- Trigger Assy	173.71
+ Firing pin Assy	9.96
+ Mag-Spring	1.70
+ Port Release	1.10
Scope Rep	119.43
Clean/Insp/Prep	50.00
	732.79

REPAIRMAN	PROOF	CLEAN	TEST	TARGET	PATTERN
GALLERY TESTER	DATE	DATE	DATE	DATE	DATE

OFFICE COPY

RD6925 REV. 1/94

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER

BARBER - M24 M2400026947

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6523373DATE 9-18-95TESTER DA

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.35	2.43	2.43		MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.45	2.50	2.30		
PULL #3	2.33	2.51	2.42		
PULL #4	2.52	2.24	2.48		
PULL #5	2.58	2.39	2.40		
TOTAL	12.23	12.07	12.03		
AVG.	2.44	2.41	2.40		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.08	2.89		
PULL #2	3.09	2.93		
PULL #3	3.05	2.90		
PULL #4	3.04	3.04		
PULL #5	3.10	3.03		
TOTAL	15.36	14.79		
AVG.	3.07	2.95		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.07	4.01	4.18	
PULL #2	3.80	3.93	4.00	
PULL #3	3.90	4.03	3.88	
PULL #4	4.00	3.97	3.92	
PULL #5	3.96	3.90	3.92	
TOTAL	19.73	19.84	19.90	
AVG.	3.94	3.96	3.98	

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C 652 3373

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 3/4	5 3/4	6			"/28	WB
	G) Safety Off Force	4	3 3/4	3 3/4			WB	"/28
	H) Trigger Pull Test & Retainability							
	I) Firing Pin Indent	.0225	.0225	.0225			"/28	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	2.49	2.26	2.14	2.16	2.36	"/28	WB
	C) Function							
660	Pack							

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

MODEL 700TM M24

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

SERIAL NO.
C6523373

ORDER NO.
5716

01


5716 C6523373

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

UPC


0 47700 25716 7

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6523373

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	9 24	90	RW
600	Proof	9 24	90	RW
607	Check Headspace	9 24	90	RW
610	Dis-assemble Gun	9 24	90	RW
612	Magnaflux Barrel Action		9-25-90	RR
	Magnaflux Bolt		9-25-90	RR
615	Rollmark Caliber		9-25-90	GA
617	Drill and Tap Sight Holes		9-25-90	FB
618	Polish Barrel <i>AB</i>		9/28/90	WB
620	Apply Coatings (Barrel Action)		10-2-90	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		10/9/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		10/9/90	RW
	C) Inspect Ejector Hole for Chamfer		10/9/90	RW
	D) Oil Firing Pin Ass'y		10/9/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		10/16/90	GU

op. #	OP. NAME	READINGS			DATE	INIT		
605 nt.	F) Safety On Force	5	5	5	10/18/90	WB		
	G) Safety Off Force	2 1/2	2 1/2	2 1/2	10/18/90	WB		
	H) Trigger Pull Test & Retainability				10/16/90	HL		
	I) Firing Pin Indent	1.0235	1.0235	1.0235	10/18/90	WB		
	J) Assemble Stock				10/22/90	RW		
	K) Assemble Swivel Studs				11-20-90	QS		
	L) Attach Front and Rear Sight Assemblies				10/22/90	RW		
	M) Iron Sight Alignment				10/22/90	RW		
	N) Detach Front & Rear Sights & place in numbered container				10/22/90	RW		
	O) Attach Scope to Rifle				10/22/90	RW		
	P) Detach & Attach Scope 20 Times				10/22/90	RW		
640	Gallery Target & Test				10/24/90	AF		
	A) Time				"	AF		
	B) Malfunctions				"	AF		
	C) Pierced Primers				"	AF		
	D) Optical Clarity of Scope				"	AF		
645	Inspect for Live Ammo				10/24/90	AF		
655	Final Inspection							
	A) Headspace				11-20-90	QS		
	B) Trigger Pull	226	226	236	229	227	11-20-90	QS
	C) Function						11-20-90	QS
660	Pack						12-12-90	DA

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6523373DATE 10/16/90TESTER JL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.39	2.23	2.36	2.26	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.40	2.19	2.32	2.26	
PULL #3	2.49	2.13	2.32	2.36	
PULL #4	2.32	2.22	2.26	2.24	
PULL #5	2.40	2.26	2.26	2.24	
TOTAL	12.00	11.03	11.52		
AVG.	2.4	2.206	2.304		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.56	3.44		
PULL #2	3.36	3.40		
PULL #3	3.43	3.22		
PULL #4	3.44	3.40		
PULL #5	3.49	3.28		
TOTAL	17.28	16.72		
AVG.	3.456	3.348		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.16	4.42		4.47
PULL #2	4.45	4.29		4.06
PULL #3	4.32	4.20		4.35
PULL #4	4.47	4.41		4.38
PULL #5	4.46	4.45		4.48
TOTAL	21.86	21.77		21.74
AVG.	4.372	4.354		4.348

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6523373
25 Oct 1990

CENTROIDAL DISTANCES

0 TO	1	.0796304
1 TO	2	.153003
1 TO	3	.194139
1 TO	4	.307951
1 TO	5	.124579

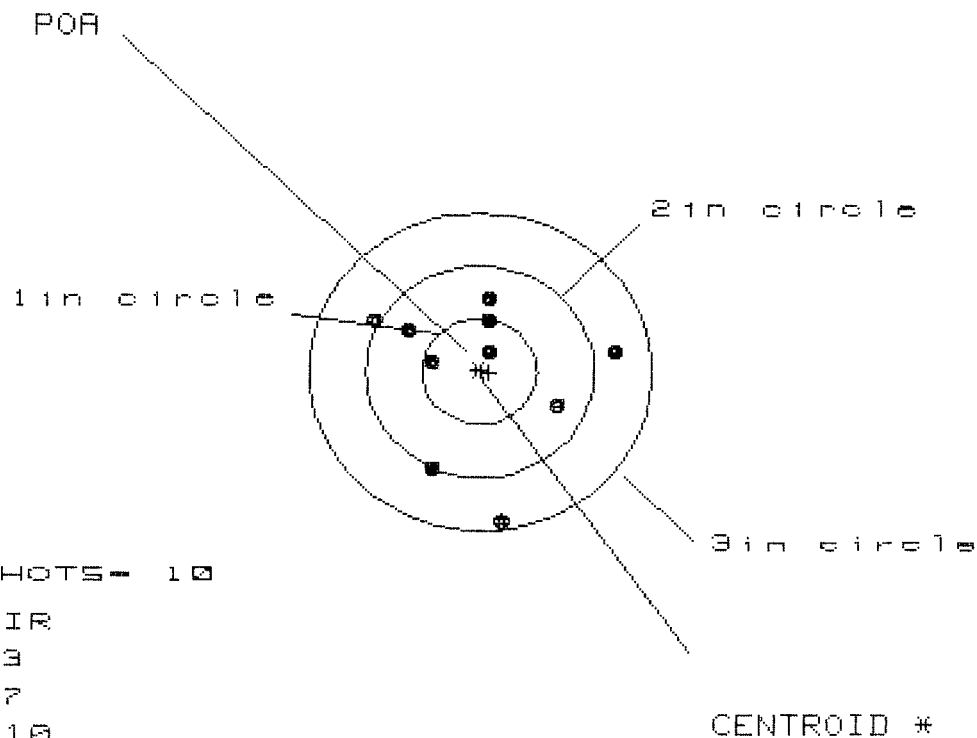
4B <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0932
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0722
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .117894
THE HMR FOR THIS RIFLE IS: .753

25 Oct 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6523373

CENTERFIRE PATTERNS # 1



OF SHOTS = 10

IN CIR

1in = 3

2in = 7

3in = 10

HS = 2.076

VS = 2.130

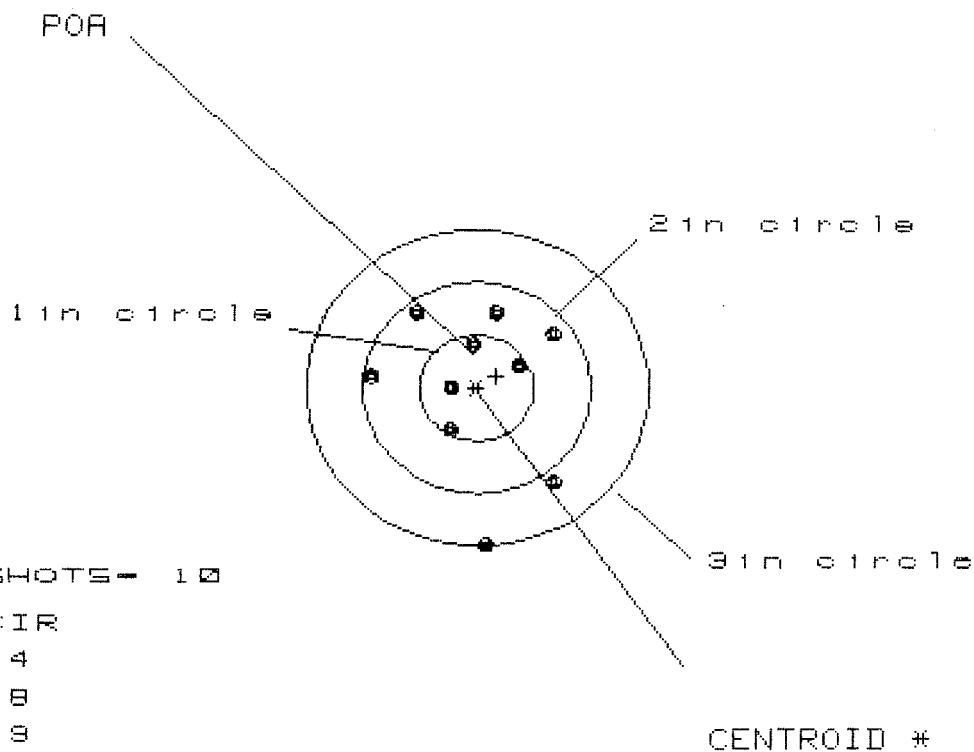
GS = 2.246

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.170	1.189	.877
MINIMUM X	-.906	-.887	-.738
MAXIMUM Y	.680	.518	.526
MINIMUM Y	-1.450	-1.051	-1.043
CENTROID X	-.079	-.098	-.247
CENTROID Y	.010	.172	.164
POA TO CENTROID in.	.080	.198	.296
MIN RADIUS	.213	.078	.218
MEAN RADIUS	.799	.679	.608
MAX RADIUS	1.461	1.191	1.069
HORIZONTAL SPREAD	2.076	2.076	1.615
VERTICAL SPREAD	2.130	1.569	1.569
EXTREME SPREAD	2.246	2.097	1.826
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	7		

25 Oct 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6523373

CENTERFIRE PATTERNS # 2



OF SHOTS - 10

IN CIR

1 in = 4

2 in = 8

3 in = 9

HS = 1.558

VS = 2.273

GS = 2.329

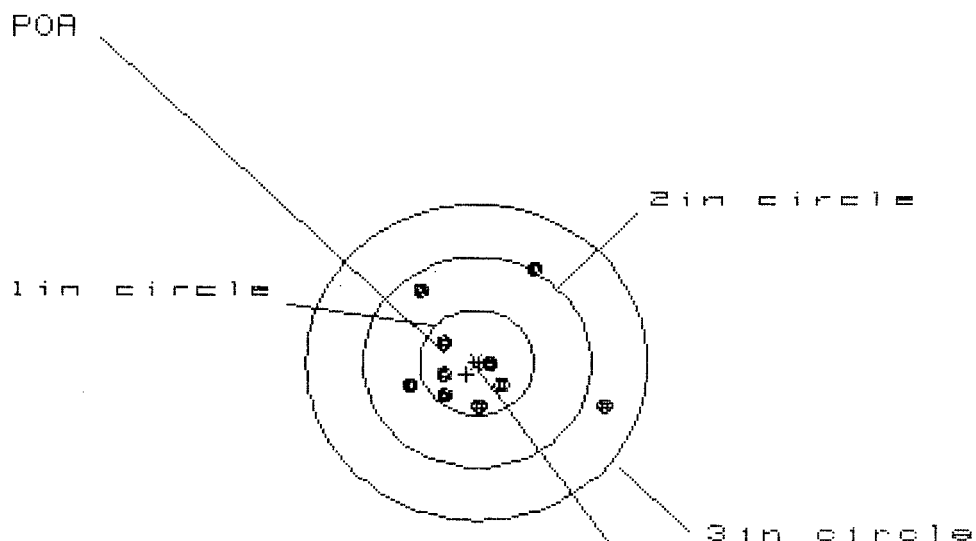
CENTROID *

PATTERN #	2
SHOTS (BEST OF)	10
MAXIMUM X	.627
MINIMUM X	-.931
MAXIMUM Y	.740
MINIMUM Y	-1.533
CENTROID X	-.170
CENTROID Y	-.113
POA TO CENTROID in.	.204
MIN RADIUS	.257
MEAN RADIUS	.755
MAX RADIUS	1.537
HORIZONTAL SPREAD	1.558
VERTICAL SPREAD	2.273
EXTREME SPREAD	2.329
NUMBER IN ONE INCH CIRCLE =	4
NUMBER IN TWO INCH CIRCLE =	8
NUMBER IN THREE INCH CIRCLE =	9

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FILE:/PATTERNING/CENTERFIRE_PATT/C6523373

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in = 6

2 in = 8

3 in = 10

HS= 1.675

VS= 1.373

GS= 1.928

CENTROID *

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.067	.618	.443
MINIMUM X	:	-.608	-.489	-.412
MAXIMUM Y	:	.928	.884	.791
MINIMUM Y	:	-.445	-.489	-.378
CENTROID X	:	.088	-.031	-.108
CENTROID Y	:	.109	.153	.042
POA TO CENTROID in.	:	.140	.156	.116
MIN RADIUS	:	.158	.216	.104
MEAN RADIUS	:	.577	.507	.401
MAX RADIUS	:	1.139	1.079	.848
HORIZONTAL SPREAD	:	1.675	1.107	.855
VERTICAL SPREAD	:	1.373	1.373	1.169
EXTREME SPREAD	:	1.928	1.581	1.282
NUMBER IN ONE INCH CIRCLE	=		6	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		10	

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FILE:/PATTERNING/CENTERFIRE_PATT/C8523373

CENTERFIRE PATTERNS # 4

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS - 10

IN CIR

1in = 0

2in = 8

3in = 10

HS = 1.591

VS = 2.219

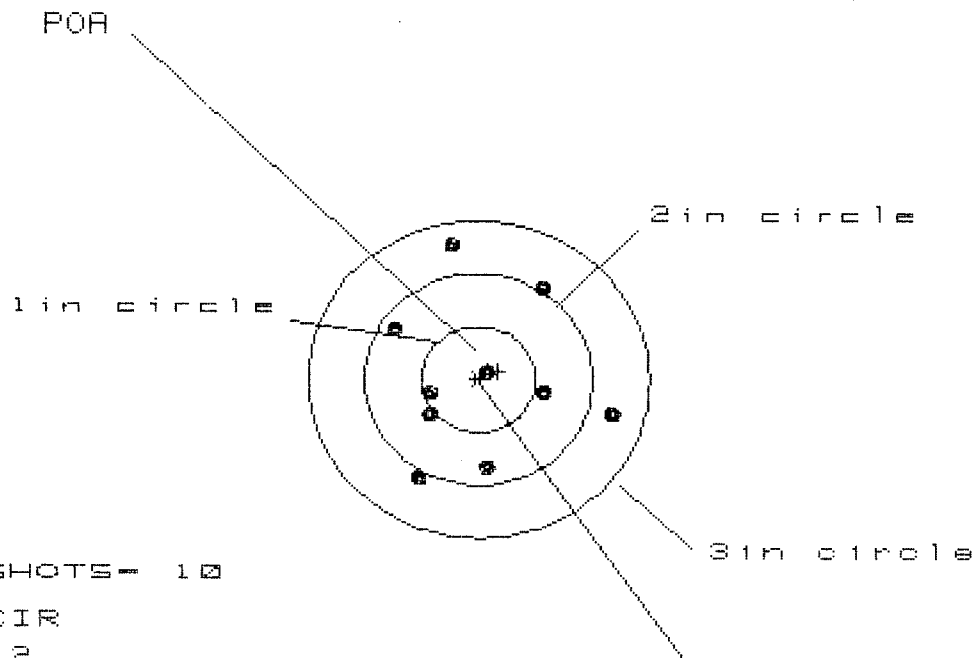
GS = 2.523

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.936	.869	.935
MINIMUM X	:	-.655	-.722	-.655
MAXIMUM Y	:	1.010	.876	.812
MINIMUM Y	:	-1.209	-.768	-.659
CENTROID X	:	-.134	-.067	-.134
CENTROID Y	:	-.293	-.159	-.268
POA TO CENTROID in.	:	.322	.172	.299
MIN RADIUS	:	.510	.363	.490
MEAN RADIUS	:	.831	.758	.722
MAX RADIUS	:	1.351	1.025	.942
HORIZONTAL SPREAD	:	1.591	1.591	1.591
VERTICAL SPREAD	:	2.219	1.644	1.471
EXTREME SPREAD	:	2.523	1.960	1.666
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		10	

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FILE:/PATTERNING/CENTERFIRE_PATT/C6523373

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 5

3 in = 10

HS= 1.831

VS= 2.247

GS= 2.263

CENTROID *

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.121	1.091	.699
MINIMUM X	:	-.710	-.740	-.604
MAXIMUM Y	:	1.274	1.009	.986
MINIMUM Y	:	-.973	-.832	-.855
CENTROID X	:	-.171	-.141	-.277
CENTROID Y	:	-.074	-.215	-.192
POA TO CENTROID in.	:	.186	.257	.337
MIN RADIUS	:	.124	.257	.278
MEAN RADIUS	:	.803	.744	.678
MAX RADIUS	:	1.301	1.144	1.195
HORIZONTAL SPREAD	:	1.831	1.831	1.303
VERTICAL SPREAD	:	2.247	1.841	1.841
EXTREME SPREAD	:	2.263	2.144	2.144
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	