

C6348858

MODEL 700™ M24

Model **SWS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

Remington

M-24 INSPECTION CHECKLIST
CONTRACT #: DAAE-20-97-C-242

R & E NUMBER	36059		
SERIAL NUMBER	C6348858		
LOG-IN DATE	11-26-01		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	11-27-01	RH
560 A	RE-BARREL	11/28/01	BWT
B	DRILL AND TAP	11/28/01	BWT
575	ASSEMBLE	11-28-01	RH
600	PROOF	11-28-01	AL
605	CHECK HEADSPACE	11-29-01	RH
610	DIS-ASSEMBLE GUN	11-29-01	RH
612	MAGNAFLUX	OPERATOR AL	
615	ROLLMARK CALIBER	11-29-01	RH
618	ROTO-BLAST	11-30-01	DA
620	APPLY COATINGS	11/30/01	HP
625 A	FINAL ASSEMBLY	12-4-01	RH
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	12-4-01	AC
655	FINAL INSPECT	12-5-01	RH
660	PACK	12-5-01	DA
		SHIP DATE	
	QAR INSPECTION DATE		

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6348858.___0
FILE DATE AND TIME: 12/04/2001 03:26

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.079
The Average Y Centroid of the Five Target Set:	0.050
The Average Point of Impact of the Five Target Set:	0.094
The Average Mean Radius of the Five Target Set:	0.832
The Distance from POA to Centroid Target #1:	0.345
The Distance from Centroid Target #2 to Centroid Target #1:	0.349
The Distance from Centroid Target #3 to Centroid Target #1:	0.397
The Distance from Centroid Target #4 to Centroid Target #1:	0.716
The Distance from Centroid Target #5 to Centroid Target #1:	0.536

SERIAL NUMBER: C6348858. __0

TARGET NUMBER: 1.

FILE DATE: 12/04/2001

FILE TIME: 03:26

POINT#	X	Y
--------	---	---

1:	-0.220	0.790
----	--------	-------

2:	-1.473	0.904
----	--------	-------

3:	-0.774	0.452
----	--------	-------

4:	-0.107	0.437
----	--------	-------

5:	0.458	0.337
----	-------	-------

6:	0.227	0.152
----	-------	-------

7:	-0.380	-0.065
----	--------	--------

8:	-0.128	-0.082
----	--------	--------

9:	-0.017	-0.206
----	--------	--------

10:	0.306	0.016
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X CENTROID: -0.211

Y CENTROID: 0.273

POA TO CENTROID: 0.345

HORZ SPREAD: 1.931

VERT SPREAD: 1.110

GROUP SPREAD: 2.013

MIN RADIUS: 0.194

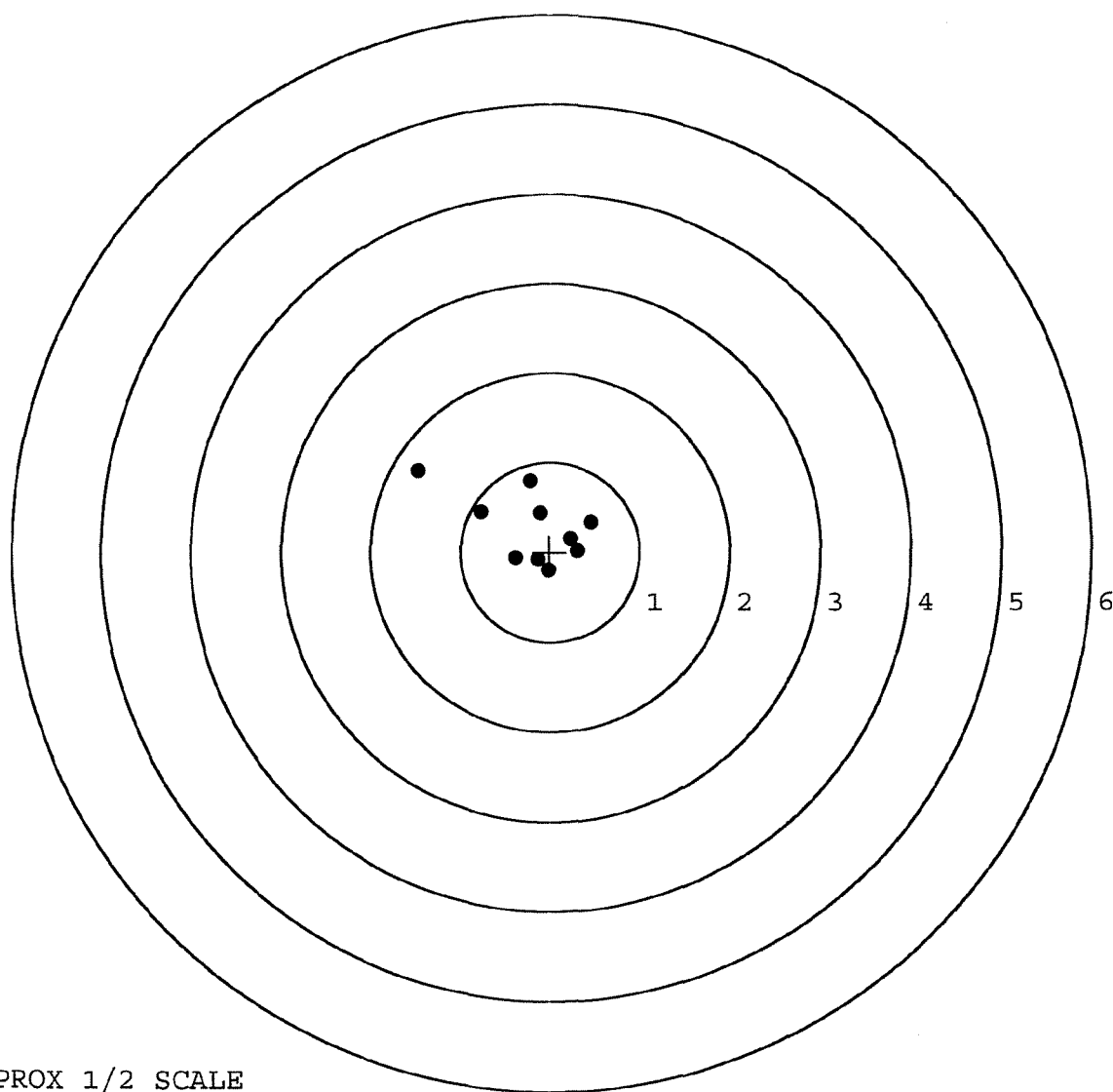
MAX RADIUS: 1.411

MEAN RADIUS: 0.568

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

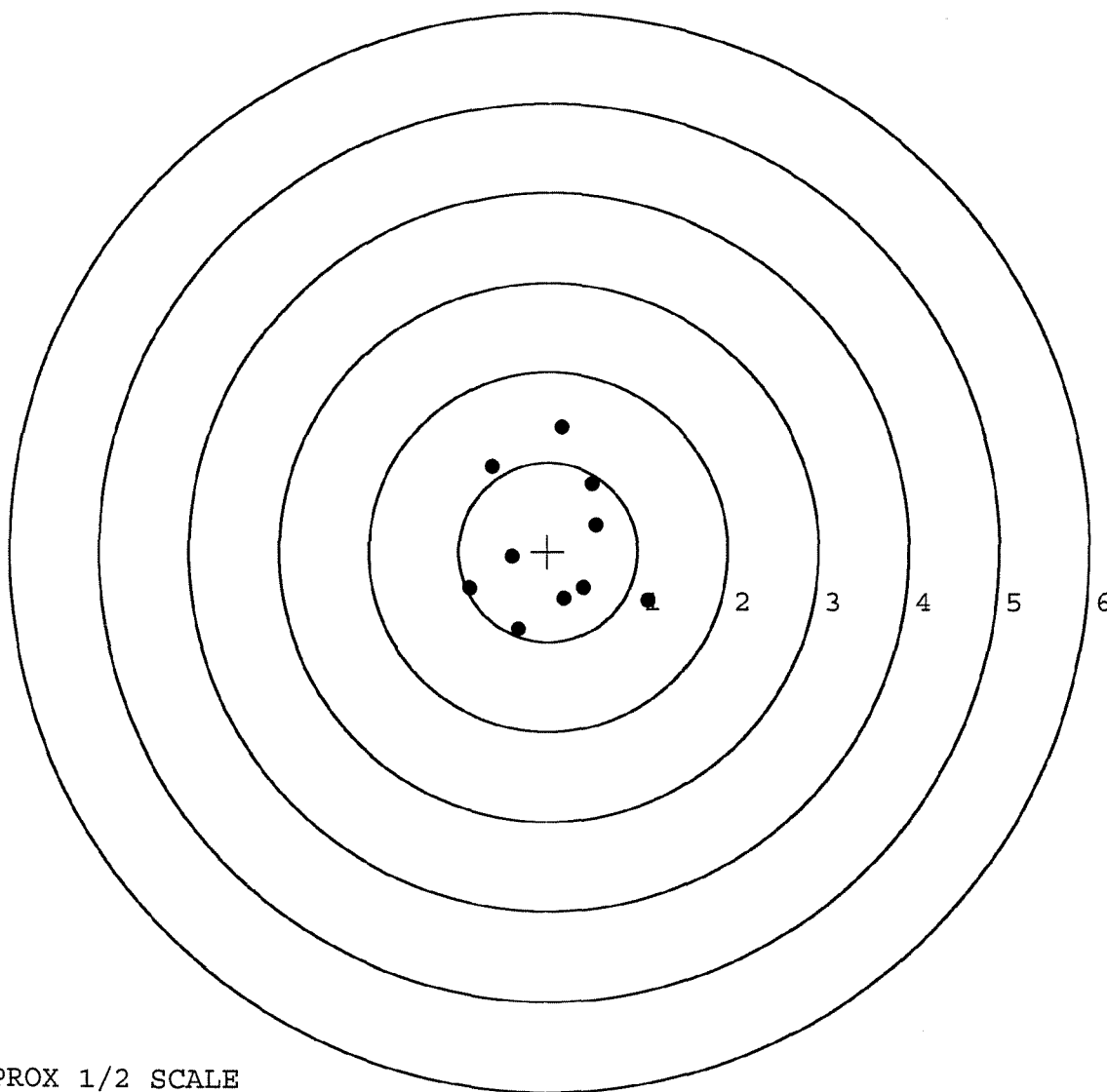


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348858. __0
TARGET NUMBER: 2
FILE DATE: 12/04/2001
FILE TIME: 03:26

POINT#	X	Y
1:	0.148	1.390
2:	-0.632	0.947
3:	0.491	0.762
4:	0.539	0.306
5:	1.116	-0.545
6:	0.402	-0.406
7:	0.182	-0.529
8:	-0.327	-0.873
9:	-0.878	-0.414
10:	-0.405	-0.065

X CENTROID: 0.064
Y CENTROID: 0.057
POA TO CENTROID: 0.086
HORZ SPREAD: 1.994
VERT SPREAD: 2.263
GROUP SPREAD: 2.312
MIN RADIUS: 0.484
MAX RADIUS: 1.335
MEAN RADIUS: 0.876
IN 1 IN DIAMETER: 1
IN 2 IN DIAMETER: 5
in 3 IN DIAMETER: 10

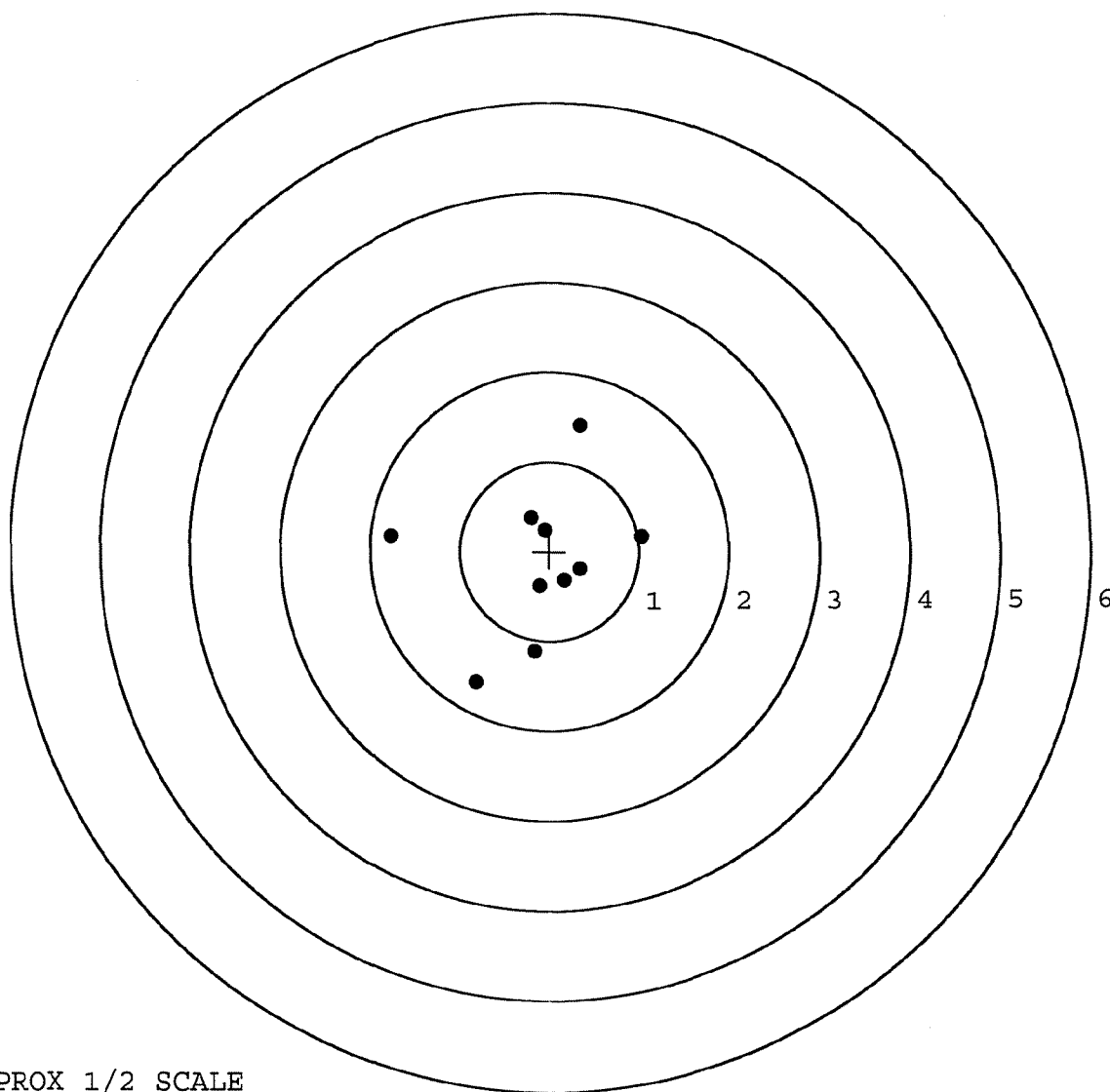


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348858. __0
TARGET NUMBER: 3
FILE DATE: 12/04/2001
FILE TIME: 03:26

POINT#	X	Y
1:	0.352	1.405
2:	1.027	0.173
3:	-0.198	0.374
4:	-0.048	0.239
5:	0.346	-0.199
6:	0.173	-0.323
7:	-0.111	-0.390
8:	-0.161	-1.126
9:	-0.826	-1.463
10:	-1.766	0.175

X CENTROID: -0.121
Y CENTROID: -0.113
POA TO CENTROID: 0.166
HORZ SPREAD: 2.793
VERT SPREAD: 2.868
GROUP SPREAD: 2.793
MIN RADIUS: 0.277
MAX RADIUS: 1.670
MEAN RADIUS: 0.895
IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 5
in 3 IN DIAMETER: 7



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348858. __0

TARGET NUMBER: 4

FILE DATE: 12/04/2001

FILE TIME: 03:26

POINT#	X	Y
--------	---	---

1:	1.140	0.508
----	-------	-------

2:	0.701	0.366
----	-------	-------

3:	0.677	-0.018
----	-------	--------

4:	1.858	0.422
----	-------	-------

5:	1.190	-1.641
----	-------	--------

6:	-0.133	-1.370
----	--------	--------

7:	-0.004	-0.693
----	--------	--------

8:	-0.595	-0.796
----	--------	--------

9:	-0.623	0.358
----	--------	-------

10:	-0.788	1.051
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X CENTROID: 0.342

Y CENTROID: -0.181

POA TO CENTROID: 0.387

HORZ SPREAD: 2.646

VERT SPREAD: 2.692

GROUP SPREAD: 3.341

MIN RADIUS: 0.372

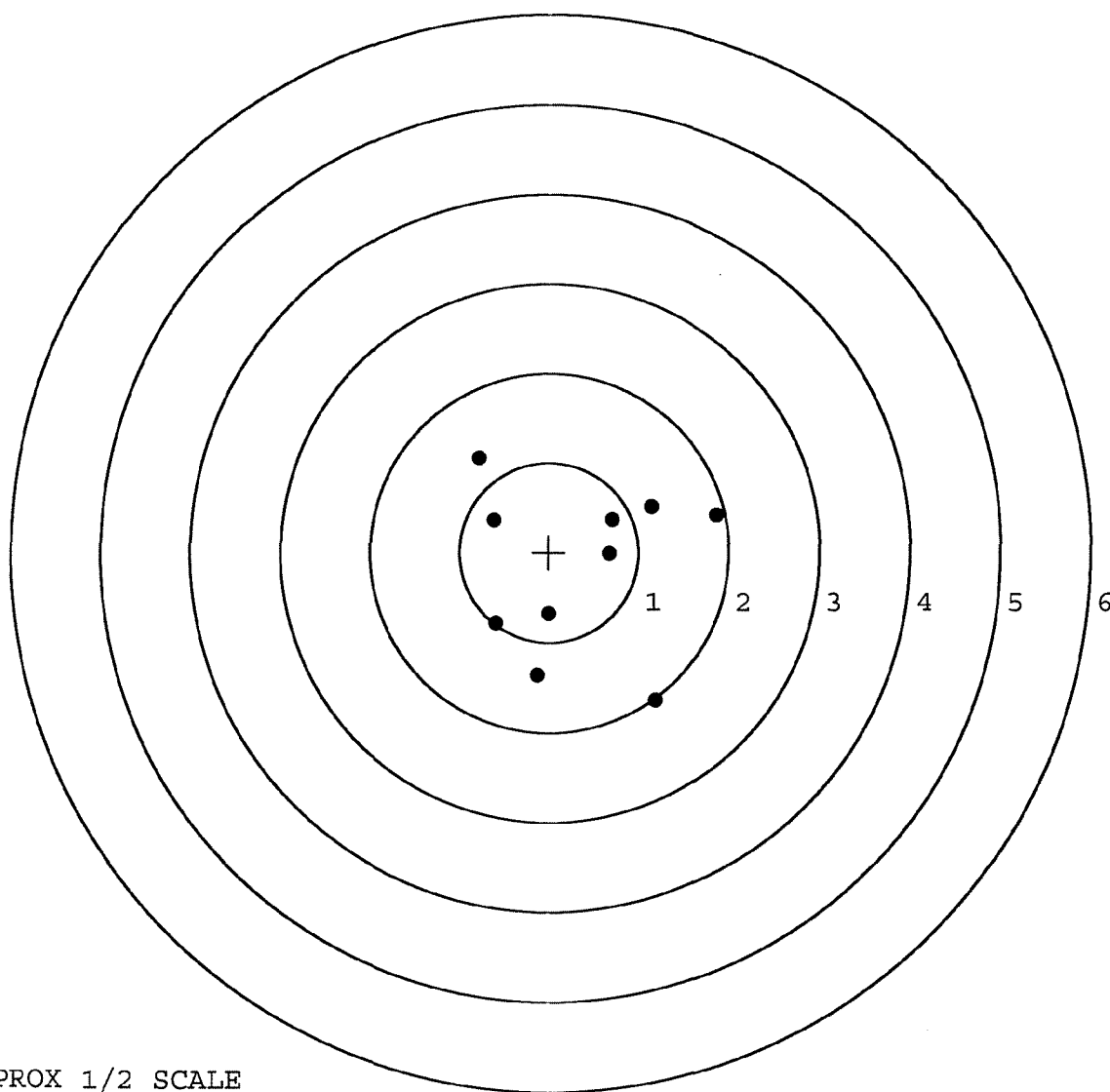
MAX RADIUS: 1.688

MEAN RADIUS: 1.120

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 3

in 3 IN DIAMETER: 7

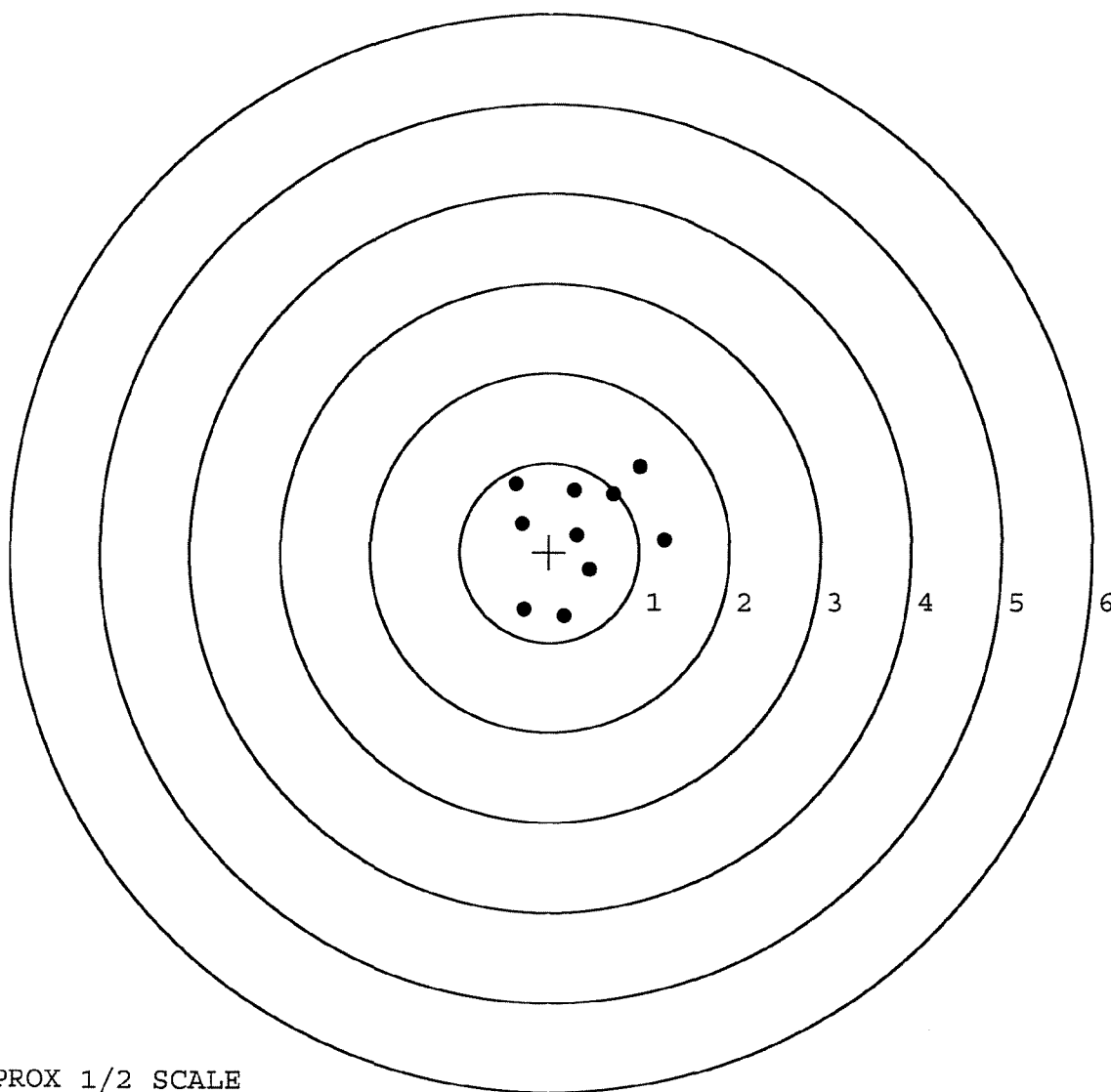


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348858.___0
TARGET NUMBER: 5
FILE DATE: 12/04/2001
FILE TIME: 03:26

POINT#	X	Y
1:	-0.385	0.760
2:	-0.310	0.315
3:	0.279	0.690
4:	0.304	0.188
5:	0.447	-0.199
6:	0.172	-0.711
7:	-0.282	-0.640
8:	1.003	0.959
9:	0.719	0.648
10:	1.268	0.137

X CENTROID: 0.322
Y CENTROID: 0.215
POA TO CENTROID: 0.387
HORZ SPREAD: 1.653
VERT SPREAD: 1.670
GROUP SPREAD: 2.051
MIN RADIUS: 0.032
MAX RADIUS: 1.046
MEAN RADIUS: 0.700
IN 1 IN DIAMETER: 3
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE




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

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

MODEL 700™ H24

SERIAL NO.
C6348858

ORDER NO.
5716

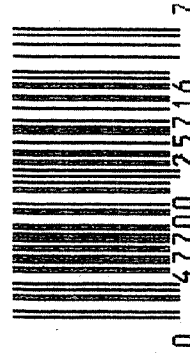
Ø1

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



5716 C6348858

UPC



CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6348858

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	8 11	89	RW
600	Proof	8 11	89	RW
607	Check Headspace			RW
610	Dis-assemble Gun			RW
612	Magnaflux Barrel Action		8/15/89	KER
	Magnaflux Bolt		8/15/89	KER
615	Rollmark Caliber		8/15/89	158.
7	Drill and Tap Sight Holes	8 16	89	
618	Polish Barrel <i>R/B</i>	8 16	89	
620	Apply Coatings (Barrel Action)		8/19/89	TR
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		8/21/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/21/89	RW
	C) Inspect Ejector Hole for Chamfer		8/21/89	RW
	D) Oil Firing Pin Ass'y		8/21/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		8/24/89	FC

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	3 3/4	3 3/4	4			8/24/89	WB
	G) Safety Off Force	3 3/4	3 3/4	3 1/2			8/24/89	WB
	H) Trigger Pull Test & Retainability						8/24/89	JO
	I) Firing Pin Indent	.021	.021	.021			8/24/89	WB
	J) Assemble Stock						8/24/89	RW
	K) Assemble Swivel Studs						11 Sep 89	JD
	L) Attach Front and Rear Sight Assemblies						8/24/89	RW
	M) Iron Sight Alignment						8/24/89	RW
	N) Detach Front & Rear Sights & place in numbered container						8/24/89	RW
	O) Attach Scope to Rifle						8/24/89	WB
	P) Detach & Attach Scope 20 Times						8/24/89	WB
640	Gallery Target & Test	48 R	106 L				8-25-89	AC
	A) Time						8-25-89	AC
	B) Malfunctions						8-25-89	AC
	C) Pierced Primers						8-25-89	AC
	D) Optical Clarity of Scope						8-25-89	AC
645	Inspect for Live Ammo						8-25-89	AC
655	Final Inspection							
	A) Headspace						11 Sep 89	JD
	B) Trigger Pull	2.59	2.36	2.74	2.65	2.59	11 Sep 89	JD
	C) Function						11 Sep 89	JD
660	Pack						20 Sep 89	JD

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#
3.00# ± .75#
4.00# ± 1.00#

SERIAL NO. 8858 ~~26348777~~

DATE 11-6-89

TESTER gll

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.44	2.31	2.32	2.72	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.48	2.33	2.43	2.61	
PULL #3	2.54	2.12	2.41	2.68	
PULL #4	2.51	2.40	2.33	2.63	
PULL #5	2.43	2.29	2.31	2.60	
TOTAL	12.40	11.35	11.80	13.23	
AVG.	2.48	2.27	2.36	2.646	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.12	3.47		
PULL #2	3.07	3.47		
PULL #3	3.44	3.47		
PULL #4	3.29	3.55		
PULL #5	3.54	3.50		
TOTAL	16.46	17.46		
AVG.	3.292	3.492		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.46	4.30		4.13
PULL #2	4.14	4.31		4.29
PULL #3	4.11	4.29		4.00
PULL #4	4.08	4.31		4.23
PULL #5	4.16	4.34		4.28
TOTAL	20.95	21.55		20.93
AVG.	4.19	4.31		4.186

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6348858
28 Aug 1989

CENTROIDAL DISTANCES

0 TO 1	.656369
1 TO 2	.702048
1 TO 3	.480047
1 TO 4	.210523
1 TO 5	.539073

33 4⁵ <----POA

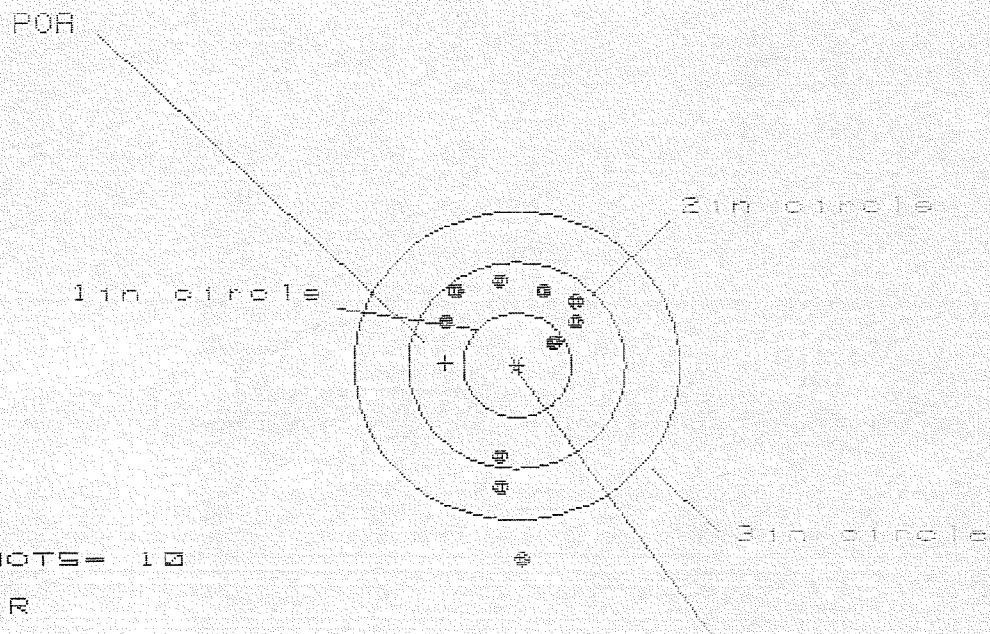
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .4654
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0608
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .469355
THE AMR FOR THIS RIFLE IS: 1.011

25 Aug 1988

FILE:/PATTERNING/CENTERFIRE_PATT/06348858

CENTERFIRE PATTERNS

1



OF SHOTS= 10

IN CIR

1in = 1

2in = 8

3in = 9

HS= 1.189

VS= 2.616

GS= 2.625

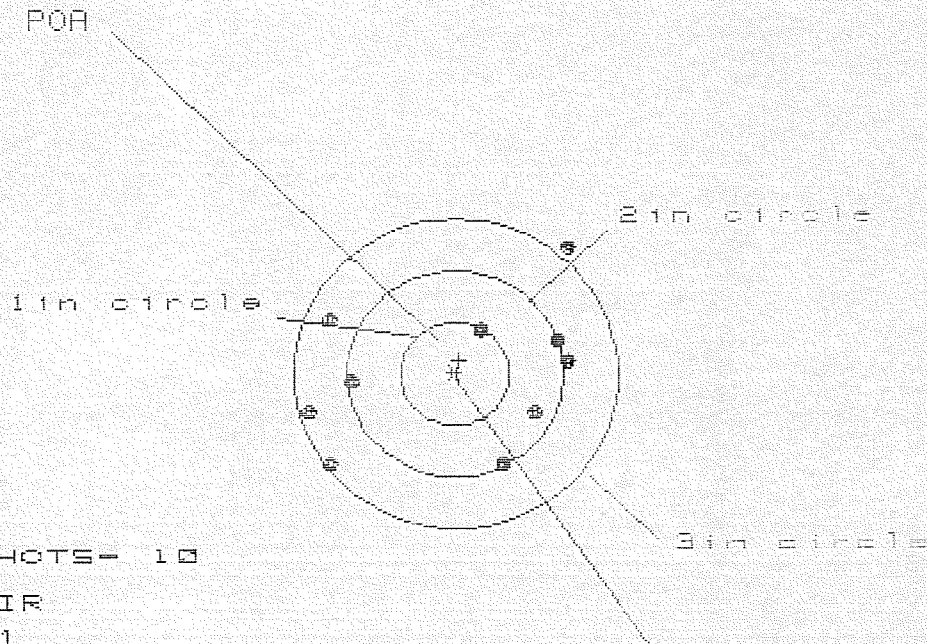
CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.573	.582	.561
MINIMUM X	-.616	-.607	-.628
MAXIMUM Y	.785	.582	.483
MINIMUM Y	-1.831	-1.425	-1.275
CENTROID X	.656	.647	.668
CENTROID Y	-.022	.181	.360
POR TO CENTROID in.	.657	.672	.759
MIN RADIUS	.400	.338	.350
MEAN RADIUS	.911	.748	.608
MAX RADIUS	1.833	1.435	1.290
HORIZONTAL SPREAD	1.189	1.189	1.189
VERTICAL SPREAD	2.616	2.007	1.678
EXTREME SPREAD	2.625	2.007	1.679
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	8		
NUMBER IN THREE INCH CIRCLE =	9		

25 Aug 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06940058

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 1

2in = 4

3in = 9

HS= 2.378

VS= 2.105

GS= 3.042

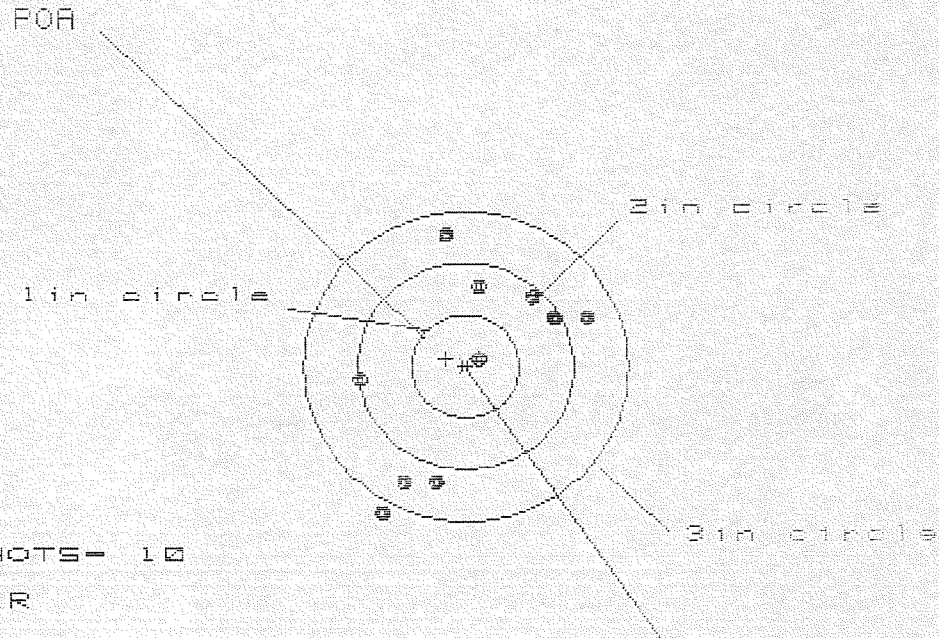
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.062	1.175	1.048
MINIMUM X	:	-1.316	-1.198	-1.325
MAXIMUM Y	:	1.242	.651	.560
MINIMUM Y	:	-.863	-.725	-.812
CENTROID X	:	-.038	-.156	-.029
CENTROID Y	:	-.128	-.266	-.175
POA TO CENTROID in.	:	.133	.368	.178
MIN RADIUS	:	.474	.651	.514
MEAN RADIUS	:	1.101	1.042	.994
MAX RADIUS	:	1.634	1.248	1.377
HORIZONTAL SPREAD	:	2.378	2.373	2.373
VERTICAL SPREAD	:	2.105	1.376	1.372
EXTREME SPREAD	:	3.042	2.427	2.427
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		9	

25 Aug 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C634B058

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 4

3 in = 9

HS= 2.099

VS= 2.721

GS= 2.800

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.086	.998	.970
MINIMUM X	:	-1.013	-1.101	-1.129
MAXIMUM Y	:	1.300	1.142	.770
MINIMUM Y	:	-1.421	-1.250	-1.107
CENTROID X	:	.179	.267	.295
CENTROID Y	:	-.076	.082	-.061
POA TO CENTROID in.	:	.194	.280	.302
MIN RADIUS	:	.172	.139	.056
MEAN RADIUS	:	1.026	.922	.890
MAX RADIUS	:	1.630	1.405	1.295
HORIZONTAL SPREAD	:	2.099	2.099	2.099
VERTICAL SPREAD	:	2.721	2.392	1.977
EXTREME SPREAD	:	2.800	2.422	2.285
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		9	

25 Aug 1985

FILE:/PATTERNING/CENTERFIRE_PATT/C634B858

CENTERFIRE PATTERNS

4

POA

11n circle

21n circle

31n circle

OF SHOTS- 10

IN CIR

11n = 0

21n = 5

31n = 7

HS= 2.947

VS= 2.193

GS= 3.087

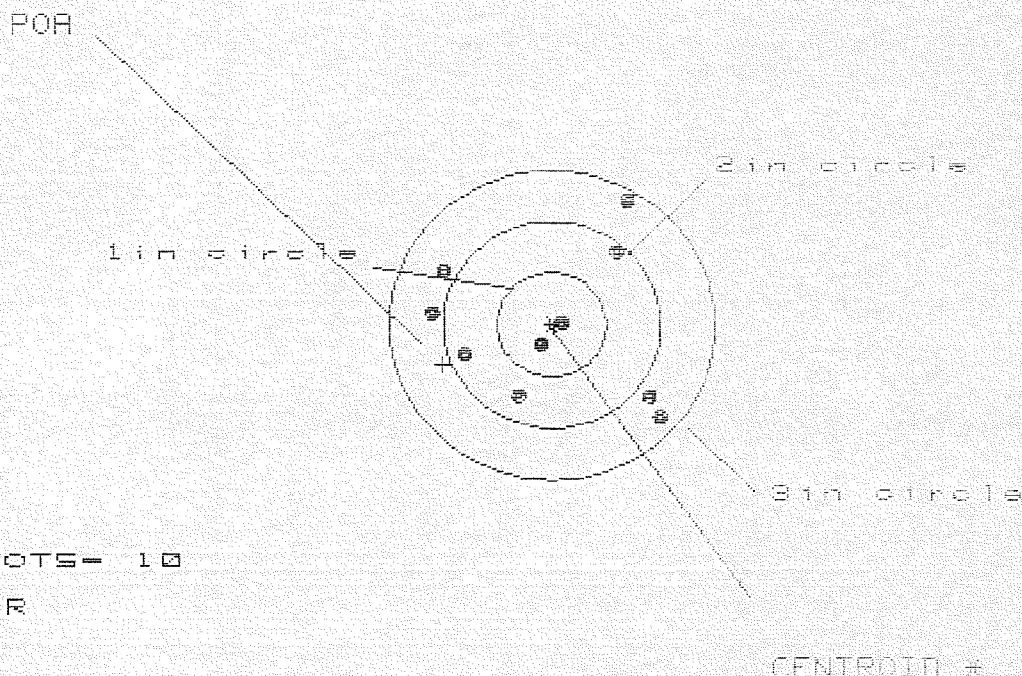
CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.187	.991	.767
MINIMUM X	:	-1.760	-1.793	-1.079
MAXIMUM Y	:	.695	.707	.650
MINIMUM Y	:	-1.498	-1.486	-1.398
CENTROID X	:	.524	.720	.944
CENTROID Y	:	.142	.130	.042
POA TO CENTROID in.	:	.543	.731	.945
MIN RADIUS	:	.514	.451	.352
MEAN RADIUS	:	1.112	1.001	.835
MAX RADIUS	:	1.763	1.927	1.407
HORIZONTAL SPREAD	:	2.947	2.784	1.846
VERTICAL SPREAD	:	2.193	2.193	2.048
EXTREME SPREAD	:	3.087	3.087	2.380
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		7	

25 Aug 1988

FILE:/PATTERNING/CENTERFIRE_PATT/06348858

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 5

3 in = 10

HS= 2.060

VS= 2.129

GS= 2.458

PATTERN #	:	5	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.991	1.073	1.087
MINIMUM X	:	-1.069	-.987	-.853
MAXIMUM Y	:	1.243	.873	.779
MINIMUM Y	:	-.886	-.748	-.613
CENTROID X	:	1.006	.924	.790
CENTROID Y	:	.388	.250	.344
POA TO CENTROID in.	:	1.078	.957	.861
MIN RADIUS	:	.122	.081	.203
MEAN RADIUS	:	.906	.822	.764
MAX RADIUS	:	1.444	1.308	1.248
HORIZONTAL SPREAD	:	2.060	2.060	1.940
VERTICAL SPREAD	:	2.129	1.621	1.392
EXTREME SPREAD	:	2.458	2.458	2.230
NUMBER IN ONE INCH CIRCLE	=	2		
NUMBER IN TWO INCH CIRCLE	=	5		
NUMBER IN THREE INCH CIRCLE	=	10		

TEST INIT. ACTION TO CORRECT		ASSEM. #
PROOF	file Stock	8/28
TEST	Polish Ejector	89
TGT	Reamed Ejector Hole	DW
PROOF	AC 100 Rf	OK
TEST		
TGT		
PROOF	ENGINEER	
TEST		
TGT		
PROOF	ENGINEER	
TEST		
TGT		

MOD. _____		GA. CAL. _____	GUN # _____
# TEST	DATE	MALFUNCTION/DEFECT	ASSEM. #
	1st	Safe hits stock	000
	2nd	Shaves brass.	
	3rd		
	4th		
		FUNCTION	RD 6654 Rev 1