

GALLERY TEST DATA SUMMARY:
1974 THROUGH 1982

MALFUNCTION CODE

50	64	67	84	88	94
FC	FSR	FD	JO	LB	MF
Fails	Fires on	Hammer	Jars	Light	Misfires
Connect	Safety	Follows	Off	Blow	
	Release	Down			

YEAR	1974	0	0	53	0	16	2	71	TOTALS
	1975	22	17	23	0	7	1	70	
	1976	0	29	38	1	10	3	81	
	1977	1	45	27	0	13	0	86	
	1978	112	7	38	0	45	1	203	
	1979	99	1	36	0	86	0	222	
	1980	11	9	6	0	33	0	59	
	1981	85	7	4	0	57	0	153	
	1982	64	1	9	0	54	0	128	
	Totals	394	116	234	1	321	7		

Year

Malt. Code	New Rejected	Repaired Rejected
(31) - CTP		
(50) - FC		
56 - FP		
(64) - FSR		
(67) - FD		
(84) - JO		
(88) - LB		
(94) - MF		
Total	+	+

HLBI

Mail Code	31	50	FP	56	64	67	84	88	94
CTP	31	50	FP	56	64	67	84	88	94
FC	50								
FSR	64								
FD	67								
SO	84								
B	88								
MF	94								
New Guns	103	4, 1, 19	4	24					
Repaired Guns									
Total	107	1	1	107	1	19	21		
New Guns	103	4, 1, 19	4	24					
Repaired Guns									
Total	107	1	1	107	1	19	21		
New Guns	103	4, 1, 19	4	24					
Repaired Guns									
Total	107	1	1	107	1	19	21		
New Guns	103	4, 1, 19	4	24					
Repaired Guns									
Total	107	1	1	107	1	19	21		
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Repaired Guns									
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Repaired Guns									
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New Guns	103	4, 1, 19	4	24					
Repaired Guns									
Total	107	1	1	107	1	19	21		
New Guns	103	4, 1, 19	4	24					
Repaired Guns									
Total	107	1	1	107	1	19	21		
New Guns	103	4, 1, 19	4	24					
Repaired Guns									
Total	107	1	1	107	1	19	21		
New Guns	103	4, 1, 19	4	24					
Repaired Guns									
Total	107	1	1	107	1	19	21		
New Guns	103	4, 1, 19	4	24					
Repaired Guns									
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Repaired Guns									
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Repaired Guns									
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New Guns	103	4, 1, 19	4	24					
Repaired Guns									
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New Guns	103	4, 1, 19	4	24					
Repaired Guns									
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New Guns	103	4, 1, 19	4	24					
Repaired Guns									
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New Guns	103	4, 1, 19	4	24					
Repaired Guns									
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New Guns	103	4, 1, 19	4	24					
Repaired Guns									
Total	107	1	1	107	1	19	21		
New Guns	103	4, 1, 19	4	24					
Repaired Guns									
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Repaired Guns									
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Repaired Guns									
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Repaired Guns									
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Repaired Guns									
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Repaired Guns									
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Repaired Guns									
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Repaired Guns									
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Repaired Guns									
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Repaired Guns									
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Repaired Guns									
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Repaired Guns									
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Repaired Guns									
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Repaired Guns									
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Repaired Guns									
Total	107	1	1	107	1	19	21		
New Guns	103	4, 1, 19	4	24					
Repaired Guns									

* 1980 *

Self Code NEW GUNS REPAIRED GUNS TOTAL

CP 31	1, 1	2	1	1	3
FC 50	1, 10	11	4	4	15
56	1, 2, 1, 1, 1, 1, 27	34	1, 1, 1, 1	4	38
FSR 64	1, 1, 2, 3, 1, 1	9		1	9
FD 67	1, 1, 1, 1, 1	6	1	1	7
JD 84	1	1		1	1
LB 88	1, 1, 1, 2, 3, 1, 3, 9, 3, 1, 2, 2, 1	53	1, 1, 1	3	56
MF 94	2	2		1	2

* 1981 *

31	6, 2, 1	64	3	3	67
50	73, 10, 2	85	2, 1, 2	5	90
56	1, 2, 1, 1, 1, 1, 1	9	1, 1, 1	3	12
64	1, 1, 2, 1, 1, 1	7		1	7
67	1, 1, 1, 1	4		1	4
84		1		1	1
88		1		1	1
94		1		1	1

* 1982 *

31	2	2	1	1	3
50	2, 30, 12, 2, 5, 13	64	1, 1, 1	6	70
56	9, 4, 1, 1, 2, 1, 4	22	1, 1	2	24
64	1	1		1	1
67	3, 1, 1, 1, 1, 1, 1	9		1	9
84		1		1	1
88	1, 1, 5, 14, 3, 6, 12, 6, 1, 1, 2, 2, 2, 1, 1	58	2, 2, 1	6	64
94		1		1	1

* 386 *

NEW GUNS

REF PAIR ID

14101

Half Code



4

12

H H H H H H H H

11/11/19

67 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

10

2 4 6 8 10 12 14 16 18 20



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2

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88

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91

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 $\frac{1}{99}$
 $\frac{1}{100}$

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Lat Code

\* 1984 \*

Total

CTP 2,1

FC -

FF 4,5,2,5,5

FSR -

FD 1,3,4,2,5,5

JO -

LB 1,3,3,3,5,5,5

MF -

- Specific Malfunctions

total rejected: 45

% rejected: .04

- All Malfunctions

total tested: 113, 110

total rejected: 9536

% rejected: 8.43

1  
18  
1  
14  
1  
10  
10  
3

\* 1985 \*

Malf Code

CTP 1

FC —

FF 3, 1, 1, 1, 2,

FSR 1, 1

FD 1, 6, 4, 3, 1, 1, 3, 1, 2, 1, 1, 1,

JO —

LB 1, 1, 1, 1, 1, 1, 1,

MF —

Totals

CTP = 1

FC = —

FF = 8

FSR = 2

FD = 26

JO = —

LB = 8

MF = —

All Malfunctions

total tested: ~~96,740~~ 96,740

total rejected: ~~8,854~~ 8,854

% rejected: ~~9.15~~ 9.15

Specific Malfunctions

total rejected: 45

% rejected: .05



MF -  
 LB -  
 JO 1  
 FD 10  
 FSR -  
 FP 3  
 FC 1  
 CTR 96  
Totals

MF -  
 LB -  
 JO 1  
 FD 12, 2, 1, 1, 1, 1  
 FSR -  
 FP 1, 1, 1  
 FC -  
 CTR 19, 4, 1, 2, 4, 39, 1, 2, 1, 1, 1, 1, 1, 1, 1, 1

\* 1986 \*

~~Specific Malfunctions~~  
 total rejected: 110  
 % rejected: .17  
  
 All Malfunctions  
 total tested: 66,256  
 total rejected: 4712  
 % rejected: 7.11

CTP FC FF FSR FN JO LB MF

[illegible]

31

2

2

41

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9

**References**

*Shirley*

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11

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2

NR

N R

NR

| TABLE 1                                                               |                      |
|-----------------------------------------------------------------------|----------------------|
| Estimated and observed values of $\sigma^2$ for the 1000 replications |                      |
| Replication                                                           | Estimated $\sigma^2$ |
| 1                                                                     | 0.0000               |
| 2                                                                     | 0.0000               |
| 3                                                                     | 0.0000               |
| 4                                                                     | 0.0000               |
| 5                                                                     | 0.0000               |
| 6                                                                     | 0.0000               |
| 7                                                                     | 0.0000               |
| 8                                                                     | 0.0000               |
| 9                                                                     | 0.0000               |
| 10                                                                    | 0.0000               |
| 11                                                                    | 0.0000               |
| 12                                                                    | 0.0000               |
| 13                                                                    | 0.0000               |
| 14                                                                    | 0.0000               |
| 15                                                                    | 0.0000               |
| 16                                                                    | 0.0000               |
| 17                                                                    | 0.0000               |
| 18                                                                    | 0.0000               |
| 19                                                                    | 0.0000               |
| 20                                                                    | 0.0000               |
| 21                                                                    | 0.0000               |
| 22                                                                    | 0.0000               |
| 23                                                                    | 0.0000               |
| 24                                                                    | 0.0000               |
| 25                                                                    | 0.0000               |
| 26                                                                    | 0.0000               |
| 27                                                                    | 0.0000               |
| 28                                                                    | 0.0000               |
| 29                                                                    | 0.0000               |
| 30                                                                    | 0.0000               |
| 31                                                                    | 0.0000               |
| 32                                                                    | 0.0000               |
| 33                                                                    | 0.0000               |
| 34                                                                    | 0.0000               |
| 35                                                                    | 0.0000               |
| 36                                                                    | 0.0000               |
| 37                                                                    | 0.0000               |
| 38                                                                    | 0.0000               |
| 39                                                                    | 0.0000               |
| 40                                                                    | 0.0000               |
| 41                                                                    | 0.0000               |
| 42                                                                    | 0.0000               |
| 43                                                                    | 0.0000               |
| 44                                                                    | 0.0000               |
| 45                                                                    | 0.0000               |
| 46                                                                    | 0.0000               |
| 47                                                                    | 0.0000               |
| 48                                                                    | 0.0000               |
| 49                                                                    | 0.0000               |
| 50                                                                    | 0.0000               |
| 51                                                                    | 0.0000               |
| 52                                                                    | 0.0000               |
| 53                                                                    | 0.0000               |
| 54                                                                    | 0.0000               |
| 55                                                                    | 0.0000               |
| 56                                                                    | 0.0000               |
| 57                                                                    | 0.0000               |
| 58                                                                    | 0.0000               |
| 59                                                                    | 0.0000               |
| 60                                                                    | 0.0000               |
| 61                                                                    | 0.0000               |
| 62                                                                    | 0.0000               |
| 63                                                                    | 0.0000               |
| 64                                                                    | 0.0000               |
| 65                                                                    | 0.0000               |
| 66                                                                    | 0.0000               |
| 67                                                                    | 0.0000               |
| 68                                                                    | 0.0000               |
| 69                                                                    | 0.0000               |
| 70                                                                    | 0.0000               |
| 71                                                                    | 0.0000               |
| 72                                                                    | 0.0000               |
| 73                                                                    | 0.0000               |
| 74                                                                    | 0.0000               |
| 75                                                                    | 0.0000               |
| 76                                                                    | 0.0000               |
| 77                                                                    | 0.0000               |
| 78                                                                    | 0.0000               |
| 79                                                                    | 0.0000               |
| 80                                                                    | 0.0000               |
| 81                                                                    | 0.0000               |
| 82                                                                    | 0.0000               |
| 83                                                                    | 0.0000               |
| 84                                                                    | 0.0000               |
| 85                                                                    | 0.0000               |
| 86                                                                    | 0.0000               |
| 87                                                                    | 0.0000               |
| 88                                                                    | 0.0000               |
| 89                                                                    | 0.0000               |
| 90                                                                    | 0.0000               |
| 91                                                                    | 0.0000               |
| 92                                                                    | 0.0000               |
| 93                                                                    | 0.0000               |
| 94                                                                    | 0.0000               |
| 95                                                                    | 0.0000               |
| 96                                                                    | 0.0000               |
| 97                                                                    | 0.0000               |
| 98                                                                    | 0.0000               |
| 99                                                                    | 0.0000               |
| 100                                                                   | 0.0000               |

472

81

617

**Figure 1**

[illegible]

Totals



TOTALS

N R N R N R N R N R N R N R N R N R N R N R

18 2

7

25 2

4 1990

1990 CTP FC FF FSR FD JO LB MF  
N R N R N R N R N R N R N R N R N R N R N R

1 2 1 1 1 2 1 1 2 1 2 2 4

-1

-1

1 3 1 1 1

3

1 2 1 1 1 1 1 1 2 1 3 1

-1

-1

| 1991   | CTP |   | EC |   | FF |   | FSR |   | FD  |    | JO |   | LB |    | MF |   |
|--------|-----|---|----|---|----|---|-----|---|-----|----|----|---|----|----|----|---|
|        | N   | R | N  | R | N  | R | N   | R | N   | R  | N  | R | N  | R  | N  | R |
|        |     |   |    |   | 1  |   |     |   | 1   |    |    |   | 1  |    |    |   |
|        |     |   |    |   | 1  |   |     |   | 2   |    |    |   | 1  |    |    |   |
|        |     |   |    |   | 2  |   |     |   | 3   |    |    |   | 1  |    |    |   |
|        |     |   |    |   | 1  |   |     |   | 2   |    |    |   | 1  |    |    |   |
|        |     |   |    |   | 3  |   |     |   | -2  |    |    |   | 3  |    |    |   |
| *1991  |     |   |    |   | 2  |   |     |   | 1-4 |    |    |   | 2  |    |    |   |
|        |     |   |    |   | 2  |   |     |   | -1  |    |    |   |    | -2 |    |   |
|        |     |   |    |   | 1  |   |     |   | 2-1 |    |    |   | 3  |    |    |   |
|        |     |   |    |   |    |   |     |   | -3  |    |    |   | 2  |    |    |   |
|        |     |   |    |   |    |   |     |   | 1-3 |    |    |   |    | -2 |    |   |
|        |     |   |    |   |    |   |     |   | -2  |    |    |   |    | -1 |    |   |
| TOTALS |     |   |    |   | 13 |   |     |   | 12  | 16 |    |   | 14 | 5  |    |   |