

TrainBoss™ Defect Detector

SV Worksheet for Talking Detector

Model Nos. TB-22F & TB-22M

SV 1 – 6: Defect Probabilities

| SV | 1 | 2 | 3 | 4 | 5 | 6 |
|-------|---|---|---|---|---|---|
| Value | | | | | | |

SV 7: Axle Sensor Separation

| SV | 7 |
|-------|---|
| Value | |

SV 8: Engine Axles

| SV | 8 |
|-------|---|
| Value | |

SV 9: Temperature

| SV | 9 |
|-------|---|
| Value | |

SV 10: Speed Limit

| SV | 10 |
|-------|----|
| Value | |

SV 11: Output 1 Behavior

| Bit 7 | 6 | 5 | 4 | 3 | 2 | 1 | Bit 0 |
|-------|---------|---------|---------|-------|--------|---------------|-------|
| Rsrvd | Clr Rpt | ClrTime | DbITime | Rsrvd | Invert | Output Action | |
| | | | | | | | |

SV 12: Output 2 Behavior

| Bit 7 | 6 | 5 | 4 | 3 | 2 | 1 | Bit 0 |
|-------|---------|---------|----------|--------|---------------|---|-------|
| Opp 1 | Clr Rpt | ClrTime | Reserved | Invert | Output Action | | |
| | | | | | | | |

SV 13: Output 1 Flash Pattern

| Bit 7 | 6 | 5 | 4 | 3 | 2 | 1 | Bit 0 |
|-------|-----|-----|-----|-----|-----|-----|-------|
| 8th | 7th | 6th | 5th | 4th | 3rd | 2nd | 1st |
| | | | | | | | |

SV 14: Output 2 Flash Pattern

| Bit 7 | 6 | 5 | 4 | 3 | 2 | 1 | Bit 0 |
|-------|-----|-----|-----|-----|-----|-----|-------|
| 8th | 7th | 6th | 5th | 4th | 3rd | 2nd | 1st |
| | | | | | | | |

SV 15: Control 1

| Bit 7 | 6 | 5 | 4 | 3 | 2 | 1 | Bit 0 |
|-------|-------------|--------|---------|-------|--------|-------|-------|
| Rsrvd | Max Defects | No Eng | Display | Round | Rnd Up | Rsrvd | |
| | | | | | | | |

SV 16: OK Message Control

| Bit 7 | 6 | 5 | 4 | 3 | 2 | 1 | Bit 0 |
|----------|------|-------|--------|------|-------|---|-------|
| Reserved | Axle | Speed | Length | Temp | Close | | |
| | | | | | | | |

SV 17: Defect Message Control

| Bit 7 | 6 | 5 | 4 | 3 | 2 | 1 | Bit 0 |
|----------|-------|--------|-----|------|-------|---|-------|
| Reserved | First | Repeat | EOT | Temp | Close | | |
| | | | | | | | |

SV 18: Control 2

| Bit 7 | 6 | 5 | 4 | 3 | 2 | 1 | Bit 0 |
|----------|---------|--------|-------|-------|-------|--------|-------|
| Mute Err | Malfunc | Static | Greet | Short | Slang | RR Dir | Mute |
| | | | | | | | |

SV 20 – 39: OK Header

| SVs | Message Type | Segment | Number of Values |
|---------|--------------|---------|------------------|
| 20 – 39 | OK | Header | 20 |

| SV | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 |
|-------|----|----|----|----|----|----|----|----|----|----|
| Value | | | | | | | | | | |
| SV | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 |
| Value | | | | | | | | | | |

SV 40 – 69: Defect Header

| SVs | Message Type | Segment | Number of Values |
|---------|--------------|---------|------------------|
| 40 – 69 | Defect | Header | 30 |

| SV | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 |
|-------|----|----|----|----|----|----|----|----|----|----|
| Value | | | | | | | | | | |
| SV | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 |
| Value | | | | | | | | | | |
| SV | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 |
| Value | | | | | | | | | | |

SV 70 – 74: OK Body

| SVs | Message Type | Segment | Number of Values |
|---------|--------------|---------|------------------|
| 70 – 74 | OK | Body | 5 |

| SV | 70 | 71 | 72 | 73 | 74 |
|-------|----|----|----|----|----|
| Value | | | | | |

SV 75 – 77: Axle

| SVs | Message Type | Segment | Number of Values |
|---------|--------------|---------|------------------|
| 75 – 77 | OK | Trailer | 3 |

| SV | 75 | 76 | 77 |
|-------|----|----|----|
| Value | | | |

SV 78 – 79: Speed – Lead

| SVs | Message Type | Segment | Number of Values |
|---------|--------------|---------|------------------|
| 78 – 79 | OK | Trailer | 2 |

| SV | 78 | 79 |
|-------|----|----|
| Value | | |

SV 80 – 82: Speed – Follow

| SVs | Message Type | Segment | Number of Values |
|---------|--------------|---------|------------------|
| 80 – 82 | OK | Header | 3 |

| SV | 80 | 81 | 82 |
|-------|----|----|----|
| Value | | | |

SV 83 – 84: Length

| SVs | Message Type | Segment | Number of Values |
|---------|--------------|---------|------------------|
| 83 – 84 | OK | Trailer | 2 |

| SV | 83 | 84 |
|-------|----|----|
| Value | | |

SV 85 – 89: Close

| SVs | Message Type | Segment | Number of Values |
|---------|--------------|---------|------------------|
| 85 – 89 | Both | Trailer | 5 |

| SV | 85 | 86 | 87 | 88 | 89 |
|-------|----|----|----|----|----|
| Value | | | | | |

SV 90: Defect Ending

| SVs | Message Type | Segment | Number of Values |
|-----|--------------|---------|------------------|
| 90 | Defect | Trailer | 1 |

| SV | 90 |
|-------|----|
| Value | |

SV 91 – 99: Short Greeting

| SVs | Message Type | Segment | Number of Values |
|---------|--------------|----------|------------------|
| 91 – 99 | Greeting | Greeting | 9 |

| SV | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 |
|-------|----|----|----|----|----|----|----|----|----|
| Value | | | | | | | | | |