

# TrainBoss™ Defect Detector

## SV Worksheet for Talking Detector

Model No. TB-21T

### 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

Bit 7	6	5	4	3	2	1	Bit 0
Mute Err	Max Defects	No Eng	Display	Slang	RR Dir	Mute	

### 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
Rsrvd	First	Repeat	Reserved			Temp	Close

### SV 20 – 89: Custom Automated Message SVs

#### 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

Default Values: (empty)

SV	90
Value	