

Metrolink Train 100 Cab Car 625
 Glendale CA January 26 2005 NTSB #DCA-05-MR-009
 National Transportation Safety Board

Recorder Time (sec)	Speed (mph)	Throttle (notch)	Gen Field	Fwd	Sand	Horn	Doors	Brk-Pipe Press (psi)
5:52:04	46	T8	On	On	Off	Off	Close	105
5:52:05								
5:52:06	46	T6	On	On	Off	Off	Close	105
5:52:07	47	T6	On	On	Off	Off	Close	105
	47	T8	On	On	Off	Off	Close	105
	47	T4	On	On	Off	Off	Close	105
	47	T2	On	On	Off	Off	Close	105
	47	T1	On	On	Off	Off	Close	105
	47	Idle	Off	On	Off	Off	Close	105
5:52:08	47	Idle	Off	On	Off	Off	Close	105
5:52:09								
5:52:10								
5:52:11	47	Idle	Off	On	Off	Off	Close	101
5:52:12								
5:52:13								
5:52:14								
5:52:15	47	Idle	Off	On	Off	Off	Close	97
5:52:16								
5:52:17								
5:52:18	46	Idle	Off	On	Off	Off	Close	97
5:52:19	46	Idle	Off	On	Off	Off	Close	97
	46	Idle	Off	On	Off	Off	Close	97
	46	Idle	Off	On	Off	Off	Close	97
5:52:20	46	Idle	Off	On	Off	Off	Close	97
	46	Idle	Off	On	Off	Off	Close	97
	46	Idle	Off	On	Off	Off	Close	97
	46	Idle	Off	On	Off	Off	Close	97
	46	Idle	Off	On	Off	Off	Close	97
	46	Idle	Off	On	Off	Off	Close	97
	46	Idle	Off	On	Off	Off	Close	97
	46	Idle	Off	On	Off	Off	Close	97
	46	Idle	Off	On	Off	Off	Close	97
5:52:21	44	Idle	Off	On	Off	Off	Close	97
	44	Idle	Off	On	Off	Off	Close	97
	44	Idle	Off	On	Off	Off	Close	97
	44	Idle	Off	On	Off	Off	Close	97
	44	Idle	Off	On	Off	Off	Close	97
	44	Idle	Off	On	Off	Off	Close	97
	44	Idle	Off	On	Off	Off	Close	97
	44	Idle	Off	On	Off	Off	Close	97
	44	Idle	Off	On	Off	Off	Close	97
	44	Idle	Off	On	Off	Off	Close	97
5:52:22	44	Idle	Off	On	Off	Off	Close	97
5:52:23	42	Idle	Off	On	Off	Off	Close	97
5:52:24								
5:52:25	39	Idle	Off	On	Off	Off	Close	97

5:52:26							
5:52:27	37 Idle	Off	On	Off	Off	Close	97
5:52:28							
5:52:29	35 Idle	Off	On	Off	Off	Close	97
5:52:30	33 Idle	Off	On	Off	Off	Close	97
5:52:31							
5:52:32	31 Idle	Off	On	Off	Off	Close	97
5:52:33							
5:52:34	29 Idle	Off	On	Off	Off	Close	97
	29 Idle	Off	On	Off	Off	Close	97
	29 Idle	Off	On	Off	Off	Close	97
	29 Idle	Off	On	Off	Off	Close	97
	29 Idle	Off	On	Off	Off	Close	97
5:52:35	29 Idle	Off	On	Off	Off	Close	97
	29 Idle	Off	On	Off	Off	Close	97
	29 Idle	Off	On	Off	Off	Close	97
5:52:36	27 Idle	Off	On	Off	Off	Close	97
5:52:37							
5:52:38	25 Idle	Off	On	Off	Off	Close	97
5:52:39							
5:52:40							
5:52:41	23 Idle	Off	On	Off	Off	Close	97
5:52:42							
5:52:43							
5:52:44	21 Idle	Off	On	Off	Off	Close	97
5:52:45							
5:52:46							
5:52:47							
5:52:48	19 Idle	Off	On	Off	Off	Close	97
5:52:49	19 Idle	Off	On	Off	Off	Close	92
	19 Idle	Off	On	Off	Off	Close	92
5:52:50							
5:52:51	16 Idle	Off	On	Off	Off	Close	92
5:52:52	15 Idle	Off	On	Off	Off	Close	92
5:52:53							
5:52:54	12 Idle	Off	On	Off	Off	Close	92
5:52:55							
5:52:56	9 Idle	Off	On	Off	Off	Close	92
5:52:57	7 Idle	Off	On	Off	Off	Close	92
5:52:58	5 Idle	Off	On	Off	Off	Close	92
5:52:59	3 Idle	Off	On	Off	Off	Close	92
5:53:00	1 Idle	Off	On	Off	Off	Close	92
	1 Idle	Off	On	Off	Off	Close	92
5:53:01	1 Idle	Off	On	Off	Off	Close	92
	1 Idle	Off	Off	Off	Off	Close	92
5:53:02	0 Idle	Off	Off	Off	Off	Close	92
	0 Idle	Off	Off	Off	Off	Close	92
	0 Idle	Off	Off	Off	Off	Open	92
5:53:03	0 Idle	Off	Off	Off	Off	Open	85
5:53:04							
5:53:05							
5:53:06	0 Idle	Off	Off	Off	Off	Open	83

5:53:07							
5:53:08							
5:53:09							
5:53:10							
5:53:11							
5:53:12							
5:53:13							
5:53:14							
5:53:15							
5:53:16							
5:53:17							
5:53:18							
5:53:19							
5:53:20							
5:53:21							
5:53:22							
5:53:23							
5:53:24							
5:53:25							
5:53:26							
5:53:27							
5:53:28							
5:53:29							
5:53:30							
5:53:31							
5:53:32	0 Idle	Off	Off	Off	Off	Open	83
	0 Idle	Off	Off	Off	Off	Open	0
5:53:33							
5:53:34	0 Idle	Off	On	Off	Off	Open	83
	0 Idle	Off	On	Off	Off	Open	83
5:53:35	0 Idle	Off	On	Off	Off	Open	83
	0 Idle	Off	On	Off	Off	Open	83
	0 Idle	Off	On	Off	Off	Open	83
	0 T4	On	On	Off	Off	Open	83
	0 T8	On	On	Off	Off	Open	83
5:53:36							
5:53:37	0 T8	On	On	Off	Off	Close	83
5:53:38							
5:53:39							
5:53:40							
5:53:41	0 T8	On	On	Off	Off	Close	96
	0 T8	On	On	On	Off	Close	96
	0 T8	On	On	On	Off	Close	96
5:53:42	0 T8	On	On	On	Off	Close	101
5:53:43							
5:53:44							
5:53:45	0 T8	On	On	On	Off	Close	105
5:53:46							
5:53:47							
5:53:48							
5:53:49	1 T8	On	On	On	Off	Close	105
5:53:50							

5:53:51							
5:53:52	4 T8	On	On	On	Off	Close	105
5:53:53							
5:53:54							
5:53:55	6 T8	On	On	On	Off	Close	105
5:53:56	8 T8	On	On	On	Off	Close	105
5:53:57	8 T8	On	On	On	Off	Close	105
5:53:58							
5:53:59	10 T8	On	On	On	Off	Close	105
5:54:00							
5:54:01	12 T8	On	On	On	Off	Close	105
5:54:02							
5:54:03	14 T8	On	On	On	Off	Close	105
5:54:04							
5:54:05							
5:54:06	15 T8	On	On	On	Off	Close	105
5:54:07							
5:54:08	17 T8	On	On	On	Off	Close	105
5:54:09							
5:54:10							
5:54:11	19 T8	On	On	On	Off	Close	105
5:54:12							
5:54:13	21 T8	On	On	On	Off	Close	105
5:54:14							
5:54:15	23 T8	On	On	On	Off	Close	105
5:54:16							
5:54:17	25 T8	On	On	On	Off	Close	105
5:54:18	25 T8	On	On	Off	Off	Close	105
5:54:19	27 T8	On	On	Off	Off	Close	105
5:54:20							
5:54:21							
5:54:22	29 T8	On	On	Off	Off	Close	105
5:54:23	31 T8	On	On	Off	Off	Close	105
5:54:24							
5:54:25							
5:54:26	32 T8	On	On	Off	Off	Close	105
5:54:27	34 T8	On	On	Off	Off	Close	105
5:54:28							
5:54:29							
5:54:30	36 T8	On	On	Off	Off	Close	105
5:54:31							
5:54:32	38 T8	On	On	Off	Off	Close	105
5:54:33							
5:54:34	40 T8	On	On	Off	Off	Close	105
5:54:35							
5:54:36	42 T8	On	On	Off	Off	Close	105
5:54:37							
5:54:38							
5:54:39	44 T8	On	On	Off	Off	Close	105
5:54:40							
5:54:41	46 T8	On	On	Off	Off	Close	105
5:54:42							

5:54:43							
5:54:44	48 T8	On	On	Off	Off	Close	105
5:54:45							
5:54:46							
5:54:47							
5:54:48	50 T8	On	On	Off	Off	Close	105
5:54:49							
5:54:50							
5:54:51	52 T8	On	On	Off	Off	Close	105
5:54:52							
5:54:53	54 T8	On	On	Off	Off	Close	105
5:54:54							
5:54:55							
5:54:56	56 T8	On	On	Off	Off	Close	105
5:54:57							
5:54:58	58 T8	On	On	Off	Off	Close	105
5:54:59							
5:55:00							
5:55:01							
5:55:02	60 T8	On	On	Off	Off	Close	105
5:55:03							
5:55:04	62 T8	On	On	Off	Off	Close	105
5:55:05							
5:55:06							
5:55:07							
5:55:08	63 T8	On	On	Off	Off	Close	105
5:55:09							
5:55:10	65 T8	On	On	Off	Off	Close	105
5:55:11							
5:55:12							
5:55:13							
5:55:14	67 T8	On	On	Off	Off	Close	105
5:55:15							
5:55:16							
5:55:17							
5:55:18	69 T8	On	On	Off	Off	Close	105
5:55:19							
5:55:20							
5:55:21	71 T8	On	On	Off	Off	Close	105
5:55:22							
5:55:23							
5:55:24							
5:55:25							
5:55:26	73 T8	On	On	Off	Off	Close	105
5:55:27							
5:55:28							
5:55:29	75 T8	On	On	Off	Off	Close	105
5:55:30							
5:55:31							
5:55:32							
5:55:33							
5:55:34	77 T8	On	On	Off	Off	Close	105

	77 T6	On	On	Off	Off	Close	105
	77 T8	On	On	Off	Off	Close	105
	77 T4	On	On	Off	Off	Close	105
5:55:35							
5:55:36	77 T4	On	On	Off	Off	Close	105
5:55:37							
5:55:38	78 T4	On	On	Off	Off	Close	105
5:55:39	78 T4	On	On	Off	On	Close	105
5:55:40	78 T4	On	On	Off	Off	Close	105
5:55:41	78 T4	On	On	Off	Off	Close	101
5:55:42	78 T4	On	On	Off	On	Close	101
5:55:43	78 T4	On	On	Off	Off	Close	101
5:55:44	78 T4	On	On	Off	On	Close	101
	78 T4	On	On	Off	Off	Close	101
5:55:45	78 T4	On	On	Off	On	Close	101
5:55:46	78 T4	On	On	Off	Off	Close	101
5:55:47							
5:55:48							
5:55:49							
5:55:50							
5:55:51							
5:55:52							
5:55:53							
5:55:54	78 T4	On	On	Off	On	Close	101
5:55:55	78 T4	On	On	Off	Off	Close	101
5:55:56							
5:55:57	78 T4	On	On	Off	On	Close	101
5:55:58	78 T4	On	On	Off	Off	Close	101
5:55:59							
5:56:00	78 T4	On	On	Off	On	Close	101
	78 T4	On	On	Off	Off	Close	101
5:56:01	78 T4	On	On	Off	On	Close	101
5:56:02	78 T4	On	On	Off	Off	Close	101
5:56:03	78 T4	On	On	Off	On	Close	101
5:56:04							
5:56:05	78 T4	On	On	Off	Off	Close	101
5:56:06	78 T4	On	On	Off	Off	Close	101
5:56:07							
5:56:08	78 T4	On	On	Off	Off	Close	106
5:56:09							
5:56:10							
5:56:11							
5:56:12							
5:56:13							
5:56:14							
5:56:15							
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5:56:19							
5:56:20							
5:56:21							

5:56:22							
5:56:23							
5:56:24							
5:56:25							
5:56:26	78 T4	On	On	Off	Off	Close	106
5:56:27	78 T4	On	On	Off	On	Close	106
	78 T4	On	On	Off	Off	Close	106
5:56:28							
5:56:29	78 T4	On	On	Off	On	Close	106
5:56:30	78 T4	On	On	Off	Off	Close	106
5:56:31							
5:56:32							
5:56:33	78 T4	On	On	Off	On	Close	106
	78 T4	On	On	Off	Off	Close	106
	78 T4	On	On	Off	On	Close	106
5:56:34	78 T4	On	On	Off	Off	Close	106
	78 T8	On	On	Off	Off	Close	106
5:56:35							
5:56:36	78 T8	On	On	Off	On	Close	106
5:56:37	78 T8	On	On	Off	Off	Close	106
	78 T8	On	On	Off	On	Close	106
5:56:38	78 T8	On	On	Off	Off	Close	106
5:56:39							
5:56:40							
5:56:41	78 T8	On	On	Off	Off	Close	106
5:56:42							
5:56:43							
5:56:44							
5:56:45							
5:56:46							
5:56:47	78 T8	On	On	Off	Off	Close	106
5:56:48	78 T8	On	On	Off	On	Close	106
5:56:49	78 T8	On	On	Off	Off	Close	106
5:56:50							
5:56:51	78 T8	On	On	Off	On	Close	106
5:56:52	78 T8	On	On	Off	Off	Close	106
5:56:53							
5:56:54	78 T4	On	On	Off	Off	Close	106
	78 T2	On	On	Off	Off	Close	106
	78 T1	On	On	Off	Off	Close	106
	78 Idle	Off	On	Off	Off	Close	106
5:56:55	78 Idle	Off	On	Off	On	Close	106
	78 Idle	Off	On	Off	Off	Close	106
	78 Idle	Off	On	Off	On	Close	106
5:56:56	78 Idle	Off	On	Off	Off	Close	106
5:56:57							
5:56:58	78 Idle	Off	On	Off	On	Close	106
	78 Idle	Off	On	Off	Off	Close	106
	78 Idle	Off	On	Off	On	Close	106
5:56:59	78 Idle	Off	On	Off	Off	Close	106
	78 Idle	Off	On	Off	Off	Close	106
5:57:00							

5:57:01							
5:57:02							
5:57:03							
5:57:04							
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5:57:10							
5:57:11							
5:57:12							
5:57:13							
5:57:14							
5:57:15							
5:57:16							
5:57:17							
5:57:18							
5:57:19							
5:57:20							
5:57:21							
5:57:22							
5:57:23							
5:57:24							
5:57:25							
5:57:26							
5:57:27							
5:57:28							
5:57:29	78 Idle	Off	On	Off	Off	Close	106
5:57:30	78 Idle	Off	On	Off	On	Close	106
5:57:31	78 Idle	Off	On	Off	Off	Close	106
5:57:32							
5:57:33	78 Idle	Off	On	Off	On	Close	106
5:57:34	77 Idle	Off	On	Off	On	Close	107
	77 Idle	Off	On	Off	Off	Close	107
5:57:35							
5:57:36							
5:57:37	77 Idle	Off	On	Off	Off	Close	100
	77 Idle	Off	On	Off	On	Close	100
	77 Idle	Off	On	Off	Off	Close	100
	77 Idle	Off	On	Off	On	Close	100
5:57:38							
5:57:39	77 Idle	Off	On	Off	Off	Close	100
5:57:40	77 Idle	Off	On	Off	Off	Close	100
	77 Idle	Off	On	Off	On	Close	100
5:57:41	77 Idle	Off	On	Off	On	Close	100
5:57:42	77 Idle	Off	On	Off	On	Close	21
	77 Idle	Off	On	Off	On	Close	21
	77 Idle	Off	On	Off	Off	Close	21
	77 Idle	Off	On	Off	Off	Close	21
5:57:43	75 Idle	Off	On	Off	Off	Close	21
	75 Idle	Off	On	Off	Off	Close	0

	75 Idle	Off	On	Off	Off	Close	0
5:57:44	73 Idle	Off	On	Off	Off	Close	0
	73 Idle	Off	On	Off	Off	Close	0
	73 Idle	Off	On	Off	Off	Close	0
5:57:45							
5:57:46	69 Idle	Off	On	Off	Off	Close	0
	69 Idle	Off	On	Off	Off	Close	0
5:57:47	67 Idle	Off	On	Off	Off	Close	0
	67 Idle	Off	On	Off	Off	Close	0
	67 Idle	Off	On	Off	Off	Close	0
	67 Idle	Off	On	On	Off	Close	0
	67 Idle	Off	On	On	Off	Open	0
	67 Idle	Off	On	On	Off	Open	0
	67 Idle	Off	On	On	Off	Open	0
	67 Idle	Off	On	On	Off	Close	0
5:57:48	65 Idle	Off	On	On	Off	Close	0
	65 Idle	Off	On	On	Off	Close	0
5:57:49	65 Idle	Off	On	On	Off	Close	0
	65 Idle	Off	On	On	Off	Close	0
	65 Idle	Off	On	On	Off	Close	0
	65 Idle	Off	On	On	Off	Open	0
5:57:50	62 Idle	Off	On	On	Off	Open	0
	62 Idle	Off	On	On	Off	Close	0
	62 Idle	Off	On	On	Off	Open	0
	62 Idle	Off	On	On	Off	Close	0
	62 Idle	Off	On	On	Off	Close	0
	62 Idle	Off	On	On	Off	Close	0
5:57:51	60 Idle	Off	On	On	Off	Close	0
5:57:52	58 Idle	Off	On	On	Off	Close	0
	58 Idle	Off	On	On	Off	Close	0
	58 Idle	Off	On	On	Off	Close	0
5:57:53	13 Idle	Off	On	On	Off	Close	0
	13 Idle	Off	On	On	Off	Close	0
	13 Idle	Off	On	On	Off	Close	0
	13 Idle	Off	On	On	Off	Close	0
	13 Idle	Off	On	Off	Off	Close	0
	13 Idle	Off	On	Off	Off	Close	0
	13 Idle	Off	On	Off	Off	Close	0
	13 Idle	Off	On	Off	Off	Close	0
	13 Idle	Off	On	On	Off	Close	0
	13 Idle	Off	On	On	Off	Close	0
5:57:54	3 Idle	Off	On	On	Off	Close	0
	3 Idle	Off	On	On	Off	Close	0
	3 Idle	Off	On	Off	Off	Close	0
	3 Idle	Off	On	Off	Off	Close	0
	3 Idle	Off	On	On	Off	Close	0
	3 Idle	Off	On	On	Off	Close	0
	3 Idle	Off	On	Off	Off	Close	0
	3 Idle	Off	On	Off	Off	Close	0
	3 Idle	Off	On	On	Off	Close	0
	3 Idle	Off	On	On	Off	Close	0

	3 Idle	Off	On	Off	Off	Close	0
	3 Idle	Off	On	Off	Off	Close	0
	3 Idle	Off	On	On	Off	Close	0
	3 Idle	Off	On	On	Off	Close	0
	3 Idle	Off	On	Off	Off	Close	0
5:57:55	0 Idle	Off	On	Off	Off	Close	0
	0 Idle	Off	On	Off	Off	Close	0
	0 Idle	Off	On	Off	Off	Close	0
	0 Idle	Off	On	Off	Off	Close	0
	0 Idle	Off	On	Off	Off	Close	0
	0 Idle	Off	On	Off	Off	Close	0
	0 Idle	Off	On	Off	Off	Close	0
	0 Idle	Off	On	On	Off	Close	0
	0 Idle	Off	On	On	Off	Close	0
	0 Idle	Off	On	On	Off	Close	0
	0 Idle	Off	On	On	Off	Close	0
	0 Idle	Off	On	Off	Off	Close	0
5:57:56							
5:57:57	0 Idle	Off	On	Off	Off	Close	0
5:57:58	0 Idle	Off	On	Off	Off	Close	0
5:57:59							
5:58:00							

Bell

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