

MID 137 - Bendix Trailer ABS

Bendix Trailer ABS

PID/SID	FMI	Fault Code	Fault Description
1	0	2-1	Sensor A - Sensor Air Gap Too Large
	8	2-2	Sensor A - Sensor Air Gap Too Large or Sensor Shorted
		2-4	Sensor A - Excessive Wheel Lock
		2-5	Sensor A - Intermittent Sensor Signal
	10	2-3	Sensor A - Noisy Signal, Check Tone Wheel
	12	2-6	Sensor A - Sensor Shorted or Open
2	0	3-1	Sensor B - Sensor Air Gap Too Large
	8	3-2	Sensor B - Sensor Air Gap Too Large or Sensor Shorted
		3-4	Sensor B - Excessive Wheel Lock
		3-5	Sensor B - Intermittent Sensor Signal
	10	3-3	Sensor B - Noisy Signal, Check Tone Wheel
12	3-6	Sensor B - Sensor Shorted or Open	
3	0	4-1	Sensor C - Sensor Air Gap Too Large
	8	4-2	Sensor C - Sensor Air Gap Too Large or Sensor Shorted
		4-4	Sensor C - Excessive Wheel Lock
		4-5	Sensor C - Intermittent Sensor Signal
	10	4-3	Sensor C - Noisy Signal, Check Tone Wheel
12	4-6	Sensor C - Sensor Shorted or Open	
4	0	5-1	Sensor D - Sensor Air Gap Too Large
	8	5-2	Sensor D - Sensor Air Gap Too Large or Sensor Shorted
		5-4	Sensor D - Excessive Wheel Lock
		5-5	Sensor D - Intermittent Sensor Signal
	10	5-3	Sensor D - Noisy Signal, Check Tone Wheel
12	5-6	Sensor D - Sensor Shorted or Open	
7	2	8-8	Valve A - System Configuration is Incorrect

Bendix Trailer ABS (Continued)

PID/SID	FMI	Fault Code	Fault Description
7	3	8-1	Valve A - Short Circuit from the Release Solenoid to Voltage
		8-5	Valve A - Short Circuit from the Hold Solenoid to Voltage
	4	8-2	Valve A - Short Circuit from the Release Solenoid to Ground
		8-6	Valve A - Short Circuit from the Hold to Ground
	5	8-3	Valve A - Open Circuit at the Release Solenoid
		8-4	Valve A - Open Circuit on the Common Line to Valve
8-7		Valve A - Open Circuit at the Hold Solenoid	
8	2	9-8	Valve B - System Configuration is Incorrect
		3	9-1
	9-5		Valve B - Short Circuit from the Hold Solenoid to Voltage
	4	9-2	Valve B - Short Circuit from the Release Solenoid to Ground
		9-6	Valve B - Short Circuit from the Hold to Ground
	5	9-3	Valve B - Open Circuit at the Release Solenoid
		9-4	Valve B - Open Circuit on the Common Line to Valve
9-7		Valve B - Open Circuit at the Hold Solenoid	
14	3	10-9	Common Side of Valve(s) - Stray Voltage Detected
		10-10	Common Side of Valve(s) - Shorted High
	4	10-11	Common Side of Valve(s) - Shorted to Ground
23	14	17-10	Warning Light Shorted High or J1587+ Shorted to Ground

Bendix Trailer ABS (Continued)

PID/ SID	FMI	Fault Code	Fault Description
30	12	15-10	ECU Internal Error
		15-11	ECU Internal Error
151	14	17-12	Sensor Signal Check Required. Pull Trailer or Turn Wheels one after the Other
251	1	16-1	Over Voltage on ECU Power Line
	2	16-2	Low Voltage on ECU Power Line
253	12	15-4	ECU Internal Error
	13	15-3	ECU Internal Error
254	2	15-4	ECU Internal Error
		15-7	ECU Internal Error
		15-9	ECU Internal Error
	12	15-1	ECU Internal Error
		15-2	ECU Internal Error
		15-6	ECU Internal Error
-	-	1-1	No Trouble Found

MID 137 - Eaton Trailer ABS

Eaton Trailer ABS

PID/SID	FMI	Fault Code	Fault Description
1	0	2-1	Sensor A - Sensor Air Gap Too Large
	8	2-2	Sensor A - Sensor Air Gap Too Large or Sensor Shorted
		2-4	Sensor A - Excessive Wheel Lock
		2-5	Sensor A - Intermittent Sensor Signal
	10	2-3	Sensor A - Noisy Signal, Check Tone Wheel
	12	2-6	Sensor A - Sensor Shorted or Open
2	0	3-1	Sensor B - Sensor Air Gap Too Large
	8	3-2	Sensor B - Sensor Air Gap Too Large or Sensor Shorted
		3-4	Sensor B - Excessive Wheel Lock
		3-5	Sensor B - Intermittent Sensor Signal
	10	3-3	Sensor B - Noisy Signal, Check Tone Wheel
12	3-6	Sensor B - Sensor Shorted or Open	
3	0	4-1	Sensor C - Sensor Air Gap Too Large
	8	4-2	Sensor C - Sensor Air Gap Too Large or Sensor Shorted
		4-4	Sensor C - Excessive Wheel Lock
		4-5	Sensor C - Intermittent Sensor Signal
	10	4-3	Sensor C - Noisy Signal, Check Tone Wheel
12	4-6	Sensor C - Sensor Shorted or Open	
4	0	5-1	Sensor D - Sensor Air Gap Too Large
	8	5-2	Sensor D - Sensor Air Gap Too Large or Sensor Shorted
		5-4	Sensor D - Excessive Wheel Lock
		5-5	Sensor D - Intermittent Sensor Signal
	10	5-3	Sensor D - Noisy Signal, Check Tone Wheel
12	5-6	Sensor D - Sensor Shorted or Open	
7	2	8-8	Valve A - System Configuration is Incorrect

Eaton Trailer ABS (Continued)

PID/SID	FMI	Fault Code	Fault Description	
7	3	8-1	Valve A - Short Circuit from the Release Solenoid to Voltage	
		8-5	Valve A - Short Circuit from the Hold Solenoid to Voltage	
	4	8-2	Valve A - Short Circuit from the Release Solenoid to Ground	
		8-6	Valve A - Short Circuit from the Hold to Ground	
	5	8-3	Valve A - Open Circuit at the Release Solenoid	
		8-4	Valve A - Open Circuit on the Common Line to Valve	
		8-7	Valve A - Open Circuit at the Hold Solenoid	
	8	2	9-8	Valve B - System Configuration is Incorrect
			3	9-1
4		9-2		Valve B - Short Circuit from the Release Solenoid to Ground
		5	9-3	Valve B - Open Circuit at the Release Solenoid
9-4			Valve B - Open Circuit on the Common Line to Valve	
9-7			Valve B - Open Circuit at the Hold Solenoid	
14		3	10-9	Common Side of Valve(s) - Stray Voltage Detected
			10-10	Common Side of Valve(s) - Shorted High
		4	10-11	Common Side of Valve(s) - Shorted to Ground
23	14	17-10	Warning Light Shorted High or J1587+ Shorted to Ground	

Eaton Trailer ABS (Continued)

PID/ SID	FMI	Fault Code	Fault Description
30	12	15-10	ECU Internal Error
		15-11	ECU Internal Error
151	14	17-12	Sensor Signal Check Required. Pull Trailer or Turn Wheels one after the Other
251	1	16-1	Over Voltage on ECU Power Line
	2	16-2	Low Voltage on ECU Power Line
253	12	15-4	ECU Internal Error
	13	15-3	ECU Internal Error
254	2	15-4	ECU Internal Error
		15-7	ECU Internal Error
		15-9	ECU Internal Error
	12	15-1	ECU Internal Error
		15-2	ECU Internal Error
		15-6	ECU Internal Error
-	-	1-1	No Trouble Found

MID 137 - Haldex Trailer ABS

Haldex Trailer ABS

PID/SID	FMI	Fault Code	Fault Description	
1	2	22	Speed Sensor RED S1B Intermittent Input	
	5	2	Speed Sensor RED S1B Open/Short Circuit	
		4	Speed Sensor YEL S2B Open/Short Circuit	
		5	Speed Sensor BLU S3A Open/Short Circuit	
	13	12	Speed Sensor RED S1B Sensor Gap to Large	
		14	Speed Sensor YEL S2B Sensor Gap to Large	
		15	Speed Sensor BLU S3A Sensor Gap to Large	
	2	2	21	Speed Sensor RED S1A Intermittent Input
			23	Speed Sensor BLU S2A Intermittent Input
		5	1	Speed Sensor RED S1A Open/Short Circuit
3			Speed Sensor BLU S2A Open/Short Circuit	
13		11	Speed Sensor RED S1A Sensor Gap to Large	
		13	Speed Sensor BLU S2A Sensor Gap to Large	
3	2	25	Speed Sensor BLU S3A Intermittent Input	
	5	6	Speed Sensor YEL S3B Open/Short Circuit	
	13	16	Speed Sensor YEL S3B Sensor Gap to Large	
4	5	4	Speed Sensor YEL S2B Open/Short Circuit	
7	7	40	Sensor Wiring Crossed Over Axle	
		42	BLU Valve Channel Slow Wheel Recovery	

Haldex Trailer ABS (Continued)

PID/SID	FMI	Fault Code	Fault Description	
7	7	43	YEL Valve Channel Slow Wheel Recovery	
8	7	41	BLU Valve Channel Slow Wheel Recovery	
9	7	43	YEL Valve Channel Slow Wheel Recovery	
22	8	20	Incorrect Exciter Ring Tooth Count	
		14	Warning Lamp Signal From Device	
23	5	35	Aux Analog CH2 Open/Short Circuit	
24	13	C1	Sensor/Valve Configuration Error	
42	3	81	RED Valve Channel Hold Short to B+	
		82	BLU Valve Channel Hold Short to B+	
		83	YEL Valve Channel Hold Short to B+	
	4	71	RED Valve Channel Hold Short Circuit	
		72	BLU Valve Channel Hold Short Circuit	
		73	YEL Valve Channel Hold Short Circuit	
	5	61	RED Valve Channel Hold Open Circuit	
		62	BLU Valve Channel Hold Open Circuit	
		63	YEL Valve Channel Hold Open Circuit	
	43	3	82	BLU Valve Channel Hold Short to B+
4			72	BLU Valve Channel Hold Short Circuit
5			62	BLU Valve Channel Hold Open Circuit
44	3	83	YEL Valve Channel Hold Short to B+	
		4	73	YEL Valve Channel Hold Short Circuit
		5	63	YEL Valve Channel Dump Open Circuit
48	3	87	BLU Valve Channel Hold Short to B+	
		88	BLU Valve Channel Hold Short to B+	
		89	YEL Valve Channel Hold Short to B+	
	4	77	RED Valve Channel Dump Short Circuit	
		78	BLU Valve Channel Dump Short Circuit	
		79	YEL Valve Channel Dump Short Circuit	
	5	5	67	RED Valve Channel Dump Open Circuit
			68	BLU Valve Channel Dump Open Circuit

Haldex Trailer ABS (Continued)

PID/SID	FMI	Fault Code	Fault Description	
48	5	69	YEL Valve Channel Dump Open Circuit	
49	3	88	BLU Valve Channel Hold Short to B+	
		4	78	BLU Valve Channel Dump Short Circuit
		5	68	BLU Valve Channel Dump Open Circuit
50	3	89	YEL Valve Channel Hold Short to B+	
		4	79	YEL Valve Channel Dump Short Circuit
		5	69	YEL Valve Channel Dump Open Circuit
240	13	C0	Sensor/Valve Configuration Error	
		C2	Sensor/Valve Configuration Error	
251	3	92	High Power Supply Voltage to ABS ECU	
		4	90	Low Power Supply Voltage to ABS ECU
252	5	26	Speed Sensor YEL S3B Intermittent Input	
		30	Aux Digital CH 0 Open.Short Circuit	
		31	Aux Digital CH 1 Open.Short Circuit	
		32	Aux Digital CH 2 Open.Short Circuit	
		33	Aux Analog CH3 Open/Short Circuit	
		34	Aux Analog CH1 Open/Short Circuit	
254	12	80	Any Valve Channel Leakage Current	
		91	No Solenoid Voltage Defective ABS ECU	
		93	ABS Short Circuit Sum Error Defective ECU	
		99	ABS Check Sum Error Defective ECU	
		E0	Defective ABS ECU	
		E1	Defective ABS ECU	
		E2	Defective ABS ECU	
		E3	Defective ABS ECU	
		E4	Defective ABS ECU	
		E5	Defective ABS ECU	
		E6	Defective ABS ECU	
		E7	Defective ABS ECU	
		E8	Defective ABS ECU	
E9	Defective ABS ECU			
EA	Defective ABS ECU			

Haldex Trailer ABS (Continued)

PID/SID	FMI	Fault Code	Fault Description
254	12	EB	Defective ABS ECU
		EC	Defective ABS ECU
		ED	Defective ABS ECU
		EE	Defective ABS ECU
		EF	Defective ABS ECU
	13	9A	Auxiliary Function Line 2 Configuration Error

MID 137 - Wabco Trailer ABS

Wabco Trailer ABS

PID/SID	FMI	Fault Code	Fault Description
3	5	3+5	BU1 Sensor Damaged or Cable Damaged
	7	3+7	BU1 Sensor Out of Adjustment
	10	3+10	BU1 Wheel Speed Erratic
4	5	4+5	YE1 Sensor Damaged or Cable Damaged
	7	4+7	YE1 Sensor Out of Adjustment
	10	4+10	YE1 Wheel Speed Erratic
5	5	5+5	BU2 Sensor Damaged or Cable Damaged
	7	5+7	BU2 Sensor Out of Adjustment
	10	5+10	BU2 Wheel Speed Erratic
6	5	6+5	YE2 Sensor Damaged or Cable Damaged
	7	6+7	YE2 Sensor Out of Adjustment
	10	6+10	YE2 Wheel Speed Erratic
9	3	9+3	Ext Valve (BU) Short to Power
	5	9+5	Ext Valve (BU) Open or Cable Damage
	6	9+6	Ext Valve (BU) Grounded or Cable Damage
	12	9+12	Ext Valve (BU) Short to Power
10	3	10+3	Ext Valve (YE) Short to Power
	5	10+5	Ext Valve (YE) Open or Cable Damage
	6	10+6	Ext Valve (YE) Grounded or Cable Damage
	12	10+12	Ext Valve (YE) Short to Power
14	4	14+4	Voltage Low, Power Relay
59	3	14+3	Power Supply Over voltage
	12	15+?	ECU Internal Failure
60	2	14+2	Unexpected System
61	12	15+12	ECU Internal Failure
62	9, 12	15+?	ECU Internal Failure
251	3	14+3	Power Supply Over voltage

Wabco Trailer ABS (Continued)

PID/SID	FMI	Fault Code	Fault Description
251	9, 12	15+?	ECU Internal Failure
252	2	15+?	Unexpected System
253	12	15+?	ECU Internal Failure
254	2, 12	15+?	ECU Internal Failure
-	-	0	System OK