

MID 136 - Bendix Tractor ABS

Bendix Tractor ABS

PID/SID	FMI	Fault Code	Fault Description	
1	0	2-1	Left Steer Air Gap too Large	
	2	2-8	Left Steer Sensor Configuration Error	
	8	2-2	Left Steer Air Gap too Lager or Sensor Shorted	
		2-4	Left Steer Wheel Lock Excessive During ABS Cycle	
		2-5	Left Steer Excessive Rate of Wheel Decel or Sensor Shorted	
	10	2-3	Left Steer Sensor Signal is Noisy	
	12	2-6	Left Steer Sensor Shorted or Open	
		2-7	Left Steer Internal Sensor Port Error	
	2	0	3-1	Right Steer Air Gap too Large
		2	3-8	Right Steer Sensor Configuration Error
8		3-2	Right Steer Air Gap too Lager or Sensor Shorted	
		3-4	Right Steer Wheel Lock Excessive During ABS Cycle	
		3-5	Right Steer Excessive Rate of Wheel Decel or Sensor Shorted	
10		3-3	Right Steer Sensor Signal is Noisy	
12		3-6	Right Steer Sensor Shorted or Open	
	3-7	Right Steer Internal Sensor Port Error		
3	0	4-1	Left Rear Air Gap too Large	
	2	4-8	Left Rear Sensor Configuration Error	
	8	4-2	Left Rear Air Gap too Lager or Sensor Shorted	
		4-4	Left Rear Wheel Lock Excessive During ABS Cycle	
		4-5	Left Rear Excessive Rate of Wheel Decel or Sensor Shorted	
	10	4-3	Left Rear Sensor Signal is Noisy	
	12	4-6	Left Rear Sensor Shorted or Open	
		4-7	Left Rear Internal Sensor Port Error	
4	0	5-1	Right Rear Air Gap too Large	

Bendix Tractor ABS (Continued)

PID/SID	FMI	Fault Code	Fault Description
4	2	5-8	Right Rear Sensor Configuration Error
	8	5-2	Right Rear Air Gap too Lager or Sensor Shorted
		5-4	Right Rear Wheel Lock Excessive During ABS Cycle
		5-5	Right Rear Excessive Rate of Wheel Decel or Sensor Shorted
	10	5-3	Right Rear Sensor Signal is Noisy
	12	5-6	Right Rear Sensor Shorted or Open
		5-7	Right Rear Internal Sensor Port Error
5	0	6-1	Left Rear Rear Air Gap too Large
	2	6-8	Left Rear Rear Sensor Configuration Error
	8	6-2	Left Rear Rear Air Gap too Lager or Sensor Shorted
		6-4	Left Rear Rear Wheel Lock Excessive During ABS Cycle
		6-5	Left Rear Rear Excessive Rate of Wheel Decel or Sensor Shorted
	10	6-3	Left Rear Rear Sensor Signal is Noisy
	12	6-6	Left Rear Rear Sensor Shorted or Open
6-7		Left Rear Rear Internal Sensor Port Error	
6	0	7-1	Right Rear Rear Air Gap too Large
	2	7-8	Right Rear Rear Sensor Configuration Error
	8	7-2	Right Rear Rear Air Gap too Lager or Sensor Shorted
		7-4	Right Rear Rear Wheel Lock Excessive During ABS Cycle
		7-5	Right Rear Rear Excessive Rate of Wheel Decel or Sensor Shorted
	10	7-3	Right Rear Rear Sensor Signal is Noisy
	12	7-6	Right Rear Rear Sensor Shorted or Open
7-7		Right Rear Rear Internal Sensor Port Error	

Bendix Tractor ABS (Continued)

PID/SID	FMI	Fault Code	Fault Description
7	0	8-1	Left Steer Short to Voltage on Release Solenoid Wire
	2	8-8	Left Steer Valve Configuration Error
	8	8-2	Left Steer Short to Ground on Release Solenoid Wire
		8-4	Left Steer Open Circuit on Common Wire
		8-5	Left Steer Short to Voltage or Open Circuit on Hold Solenoid Wire
	10	8-3	Left Steer Open Circuit on Release Solenoid Wire
	12	8-6	Left Steer Short to Ground on Hold Solenoid Wire
8-7		Left Steer Open Circuit on Hold Wire	
8	2	9-8	Right Steer Valve Configuration Error
	3	9-1	Right Steer Short to Voltage on Release Solenoid Wire
		9-5	Right Steer Short to Voltage or Open Circuit on Hold Solenoid Wire
	4	9-2	Right Steer Short to Ground on Release Solenoid Wire
		9-6	Right Steer Short to Ground on Hold Solenoid Wire
	5	9-3	Right Steer Open Circuit on Release Solenoid Wire
		9-4	Right Steer Open Circuit on Common Wire
		9-7	Right Steer Open Circuit on Hold Wire
9	2	10-8	Left Rear Valve Configuration Error
	3	10-1	Left Rear Short to Voltage on Release Solenoid Wire
		10-5	Left Rear Short to Voltage or Open Circuit on Hold Solenoid Wire
	4	10-2	Left Rear Short to Ground on Release Solenoid Wire
		10-6	Left Rear Short to Ground on Hold Solenoid Wire
	5	10-3	Left Rear Open Circuit on Release Solenoid Wire

Bendix Tractor ABS (Continued)

PID/SID	FMI	Fault Code	Fault Description
9	5	10-4	Left Rear Open Circuit on Common Wire
		10-7	Left Rear Open Circuit on Hold Wire
10	2	11-8	Right Rear Valve Configuration Error
	3	11-1	Right Rear Short to Voltage on Release Solenoid Wire
		11-5	Right Rear Short to Voltage or Open Circuit on Hold Solenoid Wire
	4	11-2	Right Rear Short to Ground on Release Solenoid Wire
		11-6	Right Rear Short to Ground on Hold Solenoid Wire
	5	11-3	Right Rear Open Circuit on Release Solenoid Wire
		11-4	Right Rear Open Circuit on Common Wire
		11-7	Right Rear Open Circuit on Hold Wire
11	2	12-8	Left Rear Rear Valve Config. Error
	3	12-1	Left Rear Rear Short to Voltage on Release Solenoid Wire
		12-5	Left Rear Rear Short to Voltage or Open Circuit on Hold Solenoid Wire
	4	12-2	Left Rear Rear Short to Ground on Release Solenoid Wire
		12-6	Left Rear Rear Short to Ground on Hold Solenoid Wire
	5	12-3	Left Rear Rear Open Circuit on Release Solenoid Wire
		12-4	Left Rear Rear Open Circuit on Common Wire
12-7		Left Rear Rear Open Circuit on Hold Wire	
12	2	13-8	Right Rear Rear Valve Config. Error
	3	13-1	Right Rear Rear Short to Voltage on Release Solenoid Wire
		13-5	Right Rear Rear Short to Voltage or Open Circuit on Hold Solenoid Wire
	4	13-2	Right Rear Rear Short to Ground on Release Solenoid Wire

Bendix Tractor ABS (Continued)

PID/SID	FMI	Fault Code	Fault Description
12	4	13-6	Right Rear Rear Short to Ground on Hold Solenoid Wire
	5	13-3	Right Rear Rear Open Circuit on Release Solenoid Wire
		13-4	Right Rear Rear Open Circuit on Common Wire
		13-7	Right Rear Rear Open Circuit on Hold Wire
13	3	17-1	Retarder Relay Short to Voltage or Open Circuit
	4	17-2	Retarder Relay Short to Ground
14	3	10-9	Common Side of Valves - Stray Voltage Detected
		10-10	Common Side of Valves Shorted High
		11-9	Common Side of Valves - Stray Voltage Detected
		11-10	Common Side of Valves Shorted High
	4	10-11	Common Side of Valves - Shorted to Ground
		11-11	Common Side of Valves - Shorted to Ground
18	2	14-8	ATC Valve Configuration error
	3	14-5	ATC Valve Solenoid Shorted to Voltage
	4	14-6	ATC Valve Solenoid Shorted to Ground
	5	14-7	ATC Valve Solenoid Open Circuit
23	14	17-10	ABS Warning Light Shorted or Open (2X only)
151	14	8	Inter-axle Differential Control Circuit
		17-12	Sensor Fault bit set. Drive Vehicle to Clear
231	2	14-12	ATC Engine Data Link Error, J1939
		17-3	ATC Engine Data Link Error, J1939
		17-4	ATC Engine Data Link Error, J1939
	12	15-9	ECU Internal Fault
249	2	14-12	ATC Engine Data Link Error, J1922
		17-3	ATC Engine Data Link Error, J1922
		17-4	ATC Engine Data Link Error, J1922

Bendix Tractor ABS (Continued)

PID/SID	FMI	Fault Code	Fault Description	
251	2	16-11	High Differential Voltage Between Diagonals	
		3	16-2	Low Voltage on Diagonal 1
			16-6	Low Voltage on Diagonal 2
	4	16-10	Low Voltage on Switched Ignition Input	
		16-1	Excessive Voltage on Diagonal 1	
		16-5	Excessive Voltage on Diagonal 2	
	5	16-9	High Voltage on Switched Ignition Input	
		16-3	No Voltage Found on Diagonal 1	
		16-4	No Ground Found on Diagonal 1	
		16-7	No Voltage Found on Diagonal 2	
	253	12	16-8	No Ground Found on Diagonal 2
			15-2	ECU Internal Fault
13		15-4	ECU Internal Fault	
		15-3	ECU Internal Fault	
	15-8	ECU Internal Fault		
254	17-5	17-5	Tire Size Front to Rear Out of Ranger	
		17-6	Tire Size Out of Ranger or Parameter Fault	
	0	15-5	ECU Internal Fault	
		15-6	ECU Internal Fault	
15-7		ECU Internal Fault		
-	-	12	15-1	ECU Internal Fault
		15-10	ECU Internal Fault	
		15-11	ECU Internal Fault	
-	-	1-1	System OK	
		17-7	Brake Switch not Pushed at the Power Cycle	
		17-8	ATC System Disable for Dynamometer Test	

MID 136 - Eaton Tractor ABS

Eaton Tractor ABS

PID/SID	FMI	Fault Code	Fault Description	
1	0	2-1	Left Steer Air Gap too Large	
	2	2-8	Left Steer Sensor Configuration Error	
	8	2-2	Left Steer Air Gap too Lager or Sensor Shorted	
		2-4	Left Steer Wheel Lock Excessive During ABS Cycle	
		2-5	Left Steer Excessive Rate of Wheel Decel or Sensor Shorted	
	10	2-3	Left Steer Sensor Signal is Noisy	
	12	2-6	Left Steer Sensor Shorted or Open	
		2-7	Left Steer Internal Sensor Port Error	
	2	0	3-1	Right Steer Air Gap too Large
		2	3-8	Right Steer Sensor Configuration Error
8		3-2	Right Steer Air Gap too Lager or Sensor Shorted	
		3-4	Right Steer Wheel Lock Excessive During ABS Cycle	
		3-5	Right Steer Excessive Rate of Wheel Decel or Sensor Shorted	
10		3-3	Right Steer Sensor Signal is Noisy	
12		3-6	Right Steer Sensor Shorted or Open	
		3-7	Right Steer Internal Sensor Port Error	
3	0	4-1	Left Rear Air Gap too Large	
	2	4-8	Left Rear Sensor Configuration Error	
	8	4-2	Left Rear Air Gap too Lager or Sensor Shorted	
		4-4	Left Rear Wheel Lock Excessive During ABS Cycle	
		4-5	Left Rear Excessive Rate of Wheel Decel or Sensor Shorted	
	10	4-3	Left Rear Sensor Signal is Noisy	
	12	4-6	Left Rear Sensor Shorted or Open	
		4-7	Left Rear Internal Sensor Port Error	
4	0	5-1	Right Rear Air Gap too Large	

Eaton Tractor ABS (Continued)

PID/SID	FMI	Fault Code	Fault Description
4	2	5-8	Right Rear Sensor Configuration Error
	8	5-2	Right Rear Air Gap too Lager or Sensor Shorted
		5-4	Right Rear Wheel Lock Excessive During ABS Cycle
		5-5	Right Rear Excessive Rate of Wheel Decel or Sensor Shorted
	10	5-3	Right Rear Sensor Signal is Noisy
	12	5-6	Right Rear Sensor Shorted or Open
		5-7	Right Rear Internal Sensor Port Error
5	0	6-1	Left Rear Rear Air Gap too Large
	2	6-8	Left Rear Rear Sensor Configuration Error
	8	6-2	Left Rear Rear Air Gap too Lager or Sensor Shorted
		6-4	Left Rear Rear Wheel Lock Excessive During ABS Cycle
		6-5	Left Rear Rear Excessive Rate of Wheel Decel or Sensor Shorted
	10	6-3	Left Rear Rear Sensor Signal is Noisy
	12	6-6	Left Rear Rear Sensor Shorted or Open
		6-7	Left Rear Rear Internal Sensor Port Error
6	0	7-1	Right Rear Rear Air Gap too Large
	2	7-8	Right Rear Rear Sensor Configuration Error
	8	7-2	Right Rear Rear Air Gap too Lager or Sensor Shorted
		7-4	Right Rear Rear Wheel Lock Excessive During ABS Cycle
		7-5	Right Rear Rear Excessive Rate of Wheel Decel or Sensor Shorted
	10	7-3	Right Rear Rear Sensor Signal is Noisy
	12	7-6	Right Rear Rear Sensor Shorted or Open
		7-7	Right Rear Rear Internal Sensor Port Error

Eaton Tractor ABS (Continued)

PID/SID	FMI	Fault Code	Fault Description
7	0	8-1	Left Steer Short to Voltage on Release Solenoid Wire
	2	8-8	Left Steer Valve Configuration Error
	8	8-2	Left Steer Short to Ground on Release Solenoid Wire
		8-4	Left Steer Open Circuit on Common Wire
		8-5	Left Steer Short to Voltage or Open Circuit on Hold Solenoid Wire
	10	8-3	Left Steer Open Circuit on Release Solenoid Wire
	12	8-6	Left Steer Short to Ground on Hold Solenoid Wire
8-7		Left Steer Open Circuit on Hold Wire	
8	2	9-8	Right Steer Valve Configuration Error
	3	9-1	Right Steer Short to Voltage on Release Solenoid Wire
		9-5	Right Steer Short to Voltage or Open Circuit on Hold Solenoid Wire
	4	9-2	Right Steer Short to Ground on Release Solenoid Wire
		9-6	Right Steer Short to Ground on Hold Solenoid Wire
	5	9-3	Right Steer Open Circuit on Release Solenoid Wire
		9-4	Right Steer Open Circuit on Common Wire
		9-7	Right Steer Open Circuit on Hold Wire
9	2	10-8	Left Rear Valve Configuration Error
	3	10-1	Left Rear Short to Voltage on Release Solenoid Wire
	3	10-5	Left Rear Short to Voltage or Open Circuit on Hold Solenoid Wire
	4	10-2	Left Rear Short to Ground on Release Solenoid Wire
		10-6	Left Rear Short to Ground on Hold Solenoid Wire
	5	10-3	Left Rear Open Circuit on Release Solenoid Wire

Eaton Tractor ABS (Continued)

PID/SID	FMI	Fault Code	Fault Description
9	5	10-4	Left Rear Open Circuit on Common Wire
		10-7	Left Rear Open Circuit on Hold Wire
10	2	11-8	Right Rear Valve Configuration Error
	3	11-1	Right Rear Short to Voltage on Release Solenoid Wire
		11-5	Right Rear Short to Voltage or Open Circuit on Hold Solenoid Wire
	4	11-2	Right Rear Short to Ground on Release Solenoid Wire
		11-6	Right Rear Short to Ground on Hold Solenoid Wire
	5	11-3	Right Rear Open Circuit on Release Solenoid Wire
		11-4	Right Rear Open Circuit on Common Wire
		11-7	Right Rear Open Circuit on Hold Wire
11	2	12-8	Left Rear Rear Valve Config. Error
	3	12-1	Left Rear Rear Short to Voltage on Release Solenoid Wire
		12-5	Left Rear Rear Short to Voltage or Open Circuit on Hold Solenoid Wire
	4	12-2	Left Rear Rear Short to Ground on Release Solenoid Wire
		12-6	Left Rear Rear Short to Ground on Hold Solenoid Wire
	5	12-3	Left Rear Rear Open Circuit on Release Solenoid Wire
		12-4	Left Rear Rear Open Circuit on Common Wire
12-7		Left Rear Rear Open Circuit on Hold Wire	
12	2	13-8	Right Rear Rear Valve Configuration Error
	3	13-1	Right Rear Rear Short to Voltage on Release Solenoid Wire
		13-5	Right Rear Rear Short to Voltage or Open Circuit on Hold Solenoid Wire

Eaton Tractor ABS (Continued)

PID/SID	FMI	Fault Code	Fault Description
12	4	13-2	Right Rear Rear Short to Ground on Release Solenoid Wire
		13-6	Right Rear Rear Short to Ground on Hold Solenoid Wire
	5	13-3	Right Rear Rear Open Circuit on Release Solenoid Wire
		13-4	Right Rear Rear Open Circuit on Common Wire
		13-7	Right Rear Rear Open Circuit on Hold Wire
13	3	17-1	Retarder Relay Short to Voltage or Open Circuit
	4	17-2	Retarder Relay Short to Ground
14	3	10-10	Common Side of Valves Shorted High
		10-9	Common Side of Valves - Stray Voltage Detected
		11-10	Common Side of Valves Shorted High
		11-9	Common Side of Valves - Stray Voltage Detected
	4	10-11	Common Side of Valves - Shorted to Ground
11-11		Common Side of Valves - Shorted to Ground	
18	2	14-8	ATC Valve Configuration error
	3	14-5	ATC Valve Solenoid Shorted to Voltage
	4	14-6	ATC Valve Solenoid Shorted to Ground
	5	14-7	ATC Valve Solenoid Open Circuit
23	14	17-10	ABS Warning Light Shorted or Open (2X only)
151	14	8	Inter-axle Differential Control Circuit
		17-12	Sensor Fault bit set. Drive Vehicle to Clear
231	2	14-12	ATC Engine Data Link Error, J1939
		17-3	ATC Engine Data Link Error, J1939
		17-4	ATC Engine Data Link Error, J1939
	12	15-9	ECU Internal Fault
249	2	14-12	ATC Engine Data Link Error, J1922

Eaton Tractor ABS (Continued)

PID/SID	FMI	Fault Code	Fault Description	
249	2	17-3	ATC Engine Data Link Error, J1922	
		17-4	ATC Engine Data Link Error, J1922	
251	2	16-11	High Differential Voltage Between Diagonals	
		3	16-2	Low Voltage on Diagonal 1
			16-6	Low Voltage on Diagonal 2
	4	16-10	Low Voltage on Switched Ignition Input	
		16-1	16-1	Excessive Voltage on Diagonal 1
			16-5	Excessive Voltage on Diagonal 2
	5	16-9	16-9	High Voltage on Switched Ignition Input
			16-3	No Voltage Found on Diagonal 1
		16-4	16-4	No Ground Found on Diagonal 1
			16-7	No Voltage Found on Diagonal 2
	16-8	16-8	No Ground Found on Diagonal 2	
		253	12	15-2
15-4				ECU Internal Fault
13		15-3	15-3	ECU Internal Fault
	15-8		ECU Internal Fault	
	17-5	17-5	Tire Size Front to Rear Out of Ranger	
		17-6	Tire Size Out of Ranger or Parameter Fault	
254	0	15-5	ECU Internal Fault	
		2	15-6	ECU Internal Fault
			15-7	ECU Internal Fault
	12	15-1	15-1	ECU Internal Fault
			15-10	ECU Internal Fault
		15-11	15-11	ECU Internal Fault
			-	1-1
17-7	Brake Switch not Pushed at the Power Cycle			
17-8	ATC System Disable for Dynamometer Test			

MID 136 - Wabco Pneumatic Tractor ABS

Wabco Pneumatic Tractor ABS

PID/ SID	FMI	Fault Code	Fault Description
0	1, 8, 10	3+2	Left Front Steer Axle - Adjust Wheel Sensor
1	7	6+2	Left Front Steer Axle - Check for Damaged Tooth Wheel
	1, 8, 10	3+2	Left Front Steer Axle - Adjust Wheel Sensor
	2, 9, 11, 12	5+2	Left Front Steer Axle - Check for Tire Size Mismatch or Tooth Wheel Difference
	3, 4, 5, 6	4+2	Left Front Steer Axle - Check Sensor Resistance
2	1, 8, 10	3+1	Right front Steer Axle - Adjust Wheel Sensor
	2, 9, 11, 12	5+1	Right front Steer Axle - Check for Tire Size Mismatch or Tooth Wheel Difference
	3, 4, 5, 6	4+1	Right front Steer Axle - Check Sensor Resistance
	7	6+1	Right front Steer Axle - Check for Damaged Tooth Wheel
3	1,8, 10	3+4	Left Forward/Rear Tandem Drive Axle - Adjust Wheel Sensor
	2, 9, 11, 12	5+4	Left Forward/Rear Tandem Drive Axle - Check for Tire Size Mismatch or Tooth Wheel Difference
	3, 4, 5, 6	4+4	Left Forward/Rear Tandem Drive Axle - Check Sensor Resistance
	7	6+4	Left Forward/Rear Tandem Drive Axle - Check for Tire Size Mismatch or Tooth Wheel Difference
4	1, 8, 10	3+3	Right Forward/Rear tandem Drive Axle - Adjust Wheel Sensor
	2, 9, 11, 12	5+3	Right Forward/Rear tandem Drive Axle - Check for Tire Size Mismatch or Tooth Wheel Difference
	3, 4, 5, 6	4+3	Right Forward/Rear tandem Drive Axle - Check Sensor Resistance

Wabco Pneumatic Tractor ABS (Continued)

PID/ SID	FMI	Fault Code	Fault Description
4	7	6+3	Right Forward/Rear tandem Drive Axle - Check for Damaged Tooth Wheel
5	1, 8, 10	3+6	Left Rear/Rear Tandem Drive Axle - Adjust Wheel Sensor
	2, 9, 11, 12	5+6	Left Rear/Rear Tandem Drive Axle - Check for Tire Size Mismatch or Tooth Wheel Difference
	3, 4, 5, 6	4+6	Left Rear/Rear Tandem Drive Axle - Check Sensor Resistance
	7	6+6	Left Rear/Rear Tandem Drive Axle - Check for Tire Size Mismatch or Tooth Wheel Difference
6	1, 8, 10	3+5	Right Rear/Rear Tandem Drive Axle - Adjust Wheel Sensor
	2, 9, 11, 12	5+5	Right Rear/Rear Tandem Drive Axle - Check for Tire Size Mismatch or Tooth Wheel Difference
	3, 4, 5, 6	4+5	Right Rear/Rear Tandem Drive Axle - Check Sensor Resistance
	7	6+5	Right Rear/Rear Tandem Drive Axle - Check for Tire Size Mismatch or Tooth Wheel Difference
	7	3, 5, 6	2+2
8	3, 5, 6	2+1	Right front Steer Axle - Check ABS Modulator Valve
9	3, 5, 6	2+4	Left Forward/Rear Tandem Drive Axle - Check ABS Modulator Valve
10	3, 5, 6	2+3	Right Forward/Rear tandem Drive Axle - Check ABS Modulator Valve
11	3, 5, 6	2+6	Left Rear/Rear Tandem Drive Axle - Check ABS Modulator Valve
12	3, 5, 6	2+5	Right Rear/Rear Tandem Drive Axle - Check ABS Modulator Valve
13	3, 5, 6	7+3	Check Retarder Connection
14, 15	3, 5, 6	8+5	Check all ABS Valve and/or ATC Valve Ground Connections
	4	8+1	Check Vehicle Voltage

Wabco Pneumatic Tractor ABS (Continued)

PID/SID	FMI	Fault Code	Fault Description
14, 15	7	8+3	Verify Accuracy of Blink Code and Clear from ECU Memory
18	3, 5, 6	7+2	Check ATC Valve
19	3, 5, 6	7+6	Verify Accuracy of Blink Code and Clear from ECU Memory
23	5	7+4	Check ABS Indicator Lamp Connections
231	2, 5, 6, 7, 8, 9, 10	7+1	Check for Proper Data Link Connection
	12	8+3	Exhaust Retarder May cause Instability
251	3, 14	8+3	Check Vehicle Voltage
253	2, 12	8+4	Verify all ECU Connections
254	8	7+1	Check for Proper Data Link Connection
	9	2+1	Right front Steer Axle - Check ABS Modulator Valve
	12	8+3	Internal Error
	13, 14	8+6	RSC, RSA Disabled
-	-	1+1	System OK

MID 136 - Wabco Hydraulic ABS

Wabco Hydraulic ABS

PID/SID	FMI	Fault Code	Fault Description
1	1	3+2	Left Front - Adjust Wheel Sensor
	2	5+2	Left Front - Check for Tire Size Mismatch or Tooth Wheel Difference
	2, 5	4+2	Left Front - Check Sensor Resistance
	7	6+2	Left Front - Check for Damaged Tooth Wheel
2	1	3+1	Right Front - Adjust Wheel Sensor
	2	5+1	Right Front - Check for Tire Size Mismatch or Tooth Wheel Difference
	2, 5	4+1	Right Front - Check Sensor Resistance
	7	6+1	Right Front - Check for Damaged Tooth Wheel
3	1	3+4	Left Rear - Adjust Wheel Sensor
	2	5+4	Left Rear - Check for Tire Size Mismatch or Tooth Wheel Difference
	2, 5	4+4	Left Rear - Check Sensor Resistance
	7	6+4	Left Rear - Check for Tire Size Mismatch or Tooth Wheel Difference
4	1	3+3	Right Rear - Adjust Wheel Sensor
	2	5+3	Right Rear - Check for Tire Size Mismatch or Tooth Wheel Difference
	2, 5	4+3	Right Rear - Check Sensor Resistance
	7	6+3	Right Rear - Check for Damaged Tooth Wheel
13	3, 5, 6	7+3	Check Retarder Connection

Wabco Hydraulic ABS (Continued)

PID/SID	FMI	Fault Code	Fault Description
23	5	7+4	Check ABS Indicator Lamp Connections
30	3, 5, 6, 7	7+8	Recirculation Pump
42	3, 5, 6	2+2	Left Front - Solenoid Inlet Valve
43	3, 5, 6	2+1	Right Front - Solenoid Inlet Valve
44	3, 5, 6	2+4	Left Rear - Solenoid Inlet Valve
45	3, 5, 6	2+3	Right Rear - Solenoid Inlet Valve
48	3, 5, 6	2+2	Left Front - Solenoid Outlet Valve
49	3, 5, 6	2+1	Right Front - Solenoid Outlet Valve
50	3, 5, 6	2+4	Left Rear - Solenoid Outlet Valve
51	3, 5, 6	2+3	Right Rear - Solenoid Outlet Valve
54	3, 4, 7	7+7	Recirculation Pump
55	2	2+7	Check Ground Connection
251	3	8+2	Check Vehicle Voltage
	4, 5	8+1	Check Vehicle Voltage
253	2	8+4	Tire Parameter
254	12	8+3	Tire Parameter
-	-	1+1	System OK