

9. Fault codes

9.1. Fault codes diagnosis version 209

The background colour  is used to indicate the newly supported or changed fault codes since diagnosis version 207. The background colour  indicates PLD/MR2 fault codes which are received from the PLD/MR2 control unit and are broadcasted by the ADM over J1939.

ADM3 fault code (J1939) SPN / FMI	ADM3 fault code (K-line)	Fault location	Fault description	Remedial action	Pin
51 / 0	-	Engine Throttle Position	Above Measuring Range		LSCAN-MR
51 / 1	-	Engine Throttle Position	Below Measuring Range		LSCAN-MR
51 / 2	-	Engine Throttle Position	Performance, Measuring Range Not Plausible		LSCAN-MR
51 / 3	-	Engine Throttle Position Sensor	Circuit High		LSCAN-MR
51 / 4	-	Engine Throttle Position Sensor	Circuit Low		LSCAN-MR
51 / 7	-	Engine Throttle Position	Defective		LSCAN-MR
51 / 13	-	Engine Throttle Position	Position Not Learned		LSCAN-MR
69 / 9	17309	Two Speed Axle Switch	Abnormal Update Rate		CAN-J1939
69 / 19	17319	Two Speed Axle Switch	Received Network Data in Error		CAN-J1939
70 / 9	17409	Parking Brake Switch	Abnormal Update Rate		CAN-J1939
70 / 19	17419	Parking Brake Switch	Received Network Data in Error		CAN-J1939
84 / 3	10103	Vehicle Speed (C3 or J1939)	Open Circuit	- Check wiring	15/03
84 / 9	10109	Vehicle Speed (C3 or J1939)	Abnormal Update Rate		CAN-J1939
84 / 14	10114	Vehicle Speed (C3 or J1939)	Signal Not Plausible	- Check wiring	15/03
84 / 19	10119	Vehicle Speed (C3 or J1939)	Received Network Data in Error		CAN-J1939
91 / 0	10200	Accelerator Pedal (AFPS or J1939)	Not Adjusted	- Restart accelerator pedal adjustment routine - Check wiring - Limit value idle operation position: 5,0 V - Limit value kickdown position: 4,9 V	21/11
91 / 3	10203	Accelerator Pedal (AFPS or J1939)	Voltage too High	- Pedal unit exchange, if defective - check wiring - Limit value idle operation position: 5,0 V - Limit value kickdown position: 4,9 V	21/11
91 / 4	10204	Accelerator Pedal (AFPS or J1939)	Voltage too Low	- Pedal unit exchange, if defective - Check wiring - Limit value idle operation position: 5,0 V - Limit value kickdown position: 4,9 V	21/11
91 / 9	10209	Accelerator Pedal (AFPS or J1939)	Abnormal Update Rate		CAN-J1939
91 / 19	10219	Accelerator Pedal (AFPS or J1939)	Received Network Data in Error		CAN-J1939
94 / 0	-	Fuel Pressure	Circuit High Input		LSCAN-MR

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web calculate the size of the single phase transformer solution secondary voltage 240v load current 62.5a transformer rating $P = V \times I$ putting the values $P = 240v \times 62.5a = 15000$ $V_a = 15$ kva sizing a three phase transformer rating of a three phase transformer $P = 3 \times V \times I$ where V primary or secondary voltage

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web apr 15 2023 for 3 phase transformers the primary full load current i.e. the current in the primary windings is equal to $I_p = \frac{P}{3 V_p}$ where I_p is the current flowing through the primary windings P is the rated 3 phase power of the transformer V_p is the 3 phase voltage at the primary windings