

Fault code	Meaning	Remedial action
00502	Open circuit, short circuit to U _B + or short to ground terminal W, V-belt slipping	<ul style="list-style-type: none"> - Check terminal W signal wiring - Check V-belt tension - Check function of generator (battery charge indicator lamp out?) - Check whether terminal W signal is affected by other items of equipment
00602	Idle position restricted	The accelerator pedal must be taught-in again as the ADM-FR has not recognised idle position
00603	Pedal unit outside taught-in range	The accelerator pedal must be taught-in again as the full load position deviates greatly from the taught-in value
01001	Terminal 30 excess voltage identification	<ul style="list-style-type: none"> - Check voltage of electrical system - Check that parameter "2/08 configuration for 12/24 V application" tallies with electrical system voltage
01002	Terminal 30 undervoltage identification	<ul style="list-style-type: none"> - Check voltage of electrical system - Check that parameter "2/08 configuration for 12/24 V application" tallies with electrical system voltage
01103	MR data implausible	Check MR engine management for function/malfunction
10101/2	Analogue input 1 "AE1" - applicable threshold not reached/exceeded	Check wiring of analogue input "AE1"
10401	Open circuit, short circuit to U _B + or short to ground, tachograph C3	<ul style="list-style-type: none"> - Check wiring of speed signal C3 from tachograph. - If no tachograph signal is preset, check parameter group "8 C3 signal evaluation" (e.g. for stationary engines)
10402	Tachograph C3 frequency error	Check speed signal C3 for faults as the ADM-FR has detected a speed in excess of 200 km/h
10501	Generator terminal W allocation error (pulse/rev signal)	<ul style="list-style-type: none"> - Check terminal W signal wiring - Check V-belt tension - Check function of generator (does charge indicator lamp go out?) - Check whether terminal W signal is affected by other items of equipment

9. Fault codes

Fault code	Meaning	Remedial action
10601	Accelerator pedal unit defective	Renew accelerator pedal as signals are implausible
10604	Accelerator pedal unit not taught-in	Teach-in accelerator pedal
10605	Accelerator pedal signal GAS 1 not present (open circuit, short circuit to U _B ⁺ or to ground)	Check accelerator pedal and wiring
10606	Accelerator pedal signal GAS 2 not present (open circuit, short circuit to U _B ⁺ or to ground)	Check accelerator pedal and wiring
10701	Manual throttle sender signal outside defined range	Check manual throttle sender and wiring
10702	Manual throttle sender signal not present (open/short circuit)	Check manual throttle sender and wiring
10801	Engine brake output 1 "MBRA1" implausible	<ul style="list-style-type: none"> - Check engine brake and solenoid valve wiring - If no engine brake is fitted, check parameter "2/01 engine brake (MBR)"
10901	Retarder output "RETA" implausible (open circuit, short to U _B ⁺ or output overloaded)	<ul style="list-style-type: none"> - Check retarder cutoff wiring - If no retarder is fitted, check parameter "2/02 retarder (RET) fitted"
11101	Engine CAN - no connection to MR	<ul style="list-style-type: none"> - Check engine CAN wiring - Check MR wiring terminal 15, terminal 30, terminal 31 - Check that MR parameter "single-wire compatible" and ADM-FR parameter "1/01 single-wire compatible engine CAN off" have identical settings
11102	Engine CAN, no single-wire compatibility	Check that MR parameter "single-wire compatible" ADM-FR parameter "1/01 single-wire compatible engine CAN off" have identical settings
11104	Engine CAN defective, single wire mode active	Check engine CAN wiring

Fault code	Meaning	Remedial action
11201	Engine brake output 2 "MBRA2" implausible	<ul style="list-style-type: none">- Check engine brake and solenoid valve wiring- If no engine brake is fitted, check parameter "2/01 engine brake (MBR)"
11301	EEPROM error, can be corrected	<ul style="list-style-type: none">- Check all ADM-FR parameters for correct settings- If the fault reoccurs after fault acknowledgement and repeatedly switching the ADM-FR on and off, replace the ADM-FR
11401	IES CAN. No connection to FMR	<ul style="list-style-type: none">- Check IES CAN and neutral point wiring- Check FMR wiring terminal 15, terminal 30, terminal 31
21302	EEPROM error, cannot be corrected	<ul style="list-style-type: none">- Check all ADM-FR parameters for correct settings- If the fault reoccurs after fault acknowledgement and repeatedly switching the ADM-FR on and off, replace the ADM-FR