

Error Codes for EP Electric Pallet Trucks



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EPT12-EZ Error Codes		
Error Code	Error Message	Explanation
F1.1	Motor Temp Hot Cutback	Excessive load on vehicle or operating in extreme temperatures
F1.2	Throttle Fault	Throttle input wire open or shorted and POT may be defective
F1.3	Undervoltage Cutback	Battery voltage less than 16.8V or bad connection to battery of controller
F1.4	Overvoltage Cutback	Voltage too high or intermittent battery connection
F1.5	Severe Overvoltage	Battery voltage higher than 34V or intermittent battery connection
F1.6	Severe Undervoltage	Battery voltage less than 13.8V
F2.1	SRO Fault	Interlock Switch Damaged or disconnection issue
F2.2	EMR Sequencing Fault	Belly Button is pressed before starting up or inching switch damaged
F2.3	Main Driver Fault	Internal relay coil is broken, or driver is open or shorted
F2.4	Main Relay Welded	Internal relay welded and controller defective
F2.5	Main Relay DNC	Internal relay was commanded to be close and it did not, or internal relay tips are oxidized
F2.6	Pump SRO Fault	Lift or lower switch pressed before key switch is on
F3.1	Wiring Fault	Misadjusted throttle or broken throttle POT or mechanism
F3.2	Brake on Fault	Electromagnetic brake driver shorted or brake coil open
F3.3	Precharge Fault	Controller defective
F3.4	Brake Off Fault	Electromagnetic brake driver open or coiled shorted
F3.5	HPD Fault	Improper sequence of throttle and interlock input damaged to throttle
F3.6	Gage Handshake Failed	The handshake with gage failed at start up
F4.1	Current Sense Fault	Controller defective
F4.2	Controller Overcurrent	Controller defective

EPT12-EZ Error Codes		
Error Code	Error Code	Error Code
F4.3	Hardware Fault	Motor voltage does not correspond to throttle request, controller failure
F4.4	Software Fault	Software or controller defective,
F4.5	Battery Disconnect Fault	Battery not connected or poor connection to battery terminals
F4.6	Motor Overtemperature	Motor temperature is high
F4.7	Tiller Handshake Failed	Faulty accelerator. Interlock Switch Damaged or disconnection issue.
F5.1	Low BDI	Battery discharge falls below the programmed threshold
F5.2	Controller Overtemp. Cutback	Excessive load on vehicle or operating in extreme temperatures
F5.3	Controller Severe Overtemp.	Excessive load on vehicle or operating in extreme temperatures
F5.4	Controller Undertemp Cutback	controller is operating in extreme low temperature, temperature sensor broken
F5.5	Parameter Change Fault	A parameter value is changed that requires a power cycle, or restore to default settings
F5.6	Parameter Fault	The CRC of the parameters does not calculate correctly, or the controller is defective
F5.7	Password Check Failed	The input password from the CAN message is wrong at start up.
F6.1	Motor short	The motor wires shorted
F6.2	Motor Open	The motor wires are open, faulty motor cable wiring or faulty controller
F6.3	Gage PDO Timeout	Communication between the 1212C and the gage has halted.
F6.4	PDO Timeout	Check wiring between controller and accelerator.
F6.5	BMS PDO Timeout	Check wiring between controller and the Battery.
F6.6	Driver 1 Fault	The Driver 1 is open or shorted
F6.7	Driver 2 Fault	The Driver 2 is open or shorted