STATUS CODES

NOTE: Make sure the parameter values are correct for your lift truck to ensure the trouble is not just an incorrect setting. See Function Parameters to set the correct parameter values. If there is no status code display and the lift truck does not operate correctly, there can be a fault in the master controller.

The status codes are code numbers for malfunctions or lift truck operations that are not correct and that the motor controller can sense. The master controller will indicate this code number on the LCD screen of the display panel.

The master and motor controllers sense the following types of malfunctions:

ÅInput voltages that are too high or too low
ÅInput voltages in the wrong sequence or
ÅCorrect input voltages that occur at the wrong time

NOTE: A status code indication does not always mean that there is a malfunction. A temporary operating condition can cause a status code display.

These code numbers are only codes to help identify a possible malfunction. A short description of the different status codes is shown below.

The Status Code Charts in the vehicle service manual have a more complete descriptioin of the status code, the circuit that has generated the input for the status code, the symptom and the possible causes.

List of Status Codes Zapi FZ- 5017 & FZ-5018

Status Code	Description
01	Request traction or hydraulic function while seat switch open.
02	Forward switches closed at key on.
03	Reverse switches closed at key on.
05	Start switch not closed when seat switch is closed and either the forward or reverse directional switch is closed and accelerator voltage shows demand for traction.
06	Request traction function while forward and reverse switches are opened.
07	Accelerator input voltage too high on power up.
08	Accelerator input voltage too low on power up.
09	Forward and reverse direction requested together.
11	Start switch closed before key or seat switch.
12	Steer sensor feedback voltage too low.
13	Steer sensor feedback voltage too high.
14	After steer calibration, controller senses "max right" parameter to be less than "max left" parameter.
15	Battery voltage lower than the setting in controller.
16	Battery voltage higher than the setting in controller.
41	High temperature in master or slave or both power sections, performance is progressively reduced as temperature rises.
42	Pump control temperature too high.
43L	Left traction motor temperature out of range.
43R	Right traction motor temperature out of range.
51	Capacitor voltage too low.
52L	Failure in encoder, in encoder to controller connection, or in controller input circuit, left motor.
52R	Failure in encoder, in encoder to controller connection, or in controller input circuit, right motor.
69	Backup alarm driver shorted. Overcurrent protection activated.
65	Main line contactor coil driver shorted.
66L	Left traction motor shorted.
66R	Right traction motor shorted.
90L	Left traction motor high temperature.
90R	Right traction motor high temperature.

91	Pump motor high temperature.
95	Pump motor brushes worn.
99	Maintenance required.
142	Controller senses no pump current.
143	Controller senses low pump current.
145	Power transistor did not turn on properly.
201	Request hydraulic or traction function while arm rest switch not closed.
202	Hydraulic oil low.
203	Brake fluid low.
204	Request traction or hydraulic function while hood switch/switches not closed.
207	Lift cutout.
208	Pump incorrect start.
209L	Brake coil open, disabling traction.
209R	Brake coil open, disabling traction.
210	Internal "watchdog" hardware circuit triggered.
212L	Problem with UVW voltage feedback in slave controller.
212R	Problem with UVW voltage feedback in master controller.
213	The controller has detected an overvoltage or an undervoltage condition within the controller.
214L	Wrong voltage on one phase --> failure in power section (high leg), driver circuit, or motor in slave controller.
214R	Wrong voltage on one phase --> failure in power section (high leg), driver circuit, or motor in master controller.
215L	Wrong voltage on one phase --> failure in power section (low leg), driver circuit, or motor in slave controller.
215R	Wrong voltage on one phase --> failure in power section (low leg), driver circuit, or motor in master controller.
222	Controller checks to ensure main contactor coil or brake coil is not shorted at start-up.
223	Controller checks main contactor tips and ensures they are open before powering controller.
224	Main contactor not closed.
226	Electric brake driver damaged (shorted or open).
227	Traction controller receives a signal for traction from accelerator potentiometer without start switch being closed.
238	Internal failure of traction controller hardware.
239	Master controller detected problem in slave controller functionality.
240	Slave controller detected problem in the master controller functionality.
241	Master does not see CAN messages from slave.
242	Master does not see CAN messages from electro-hydraulic lever console.
243	Slave does not see CAN messages from valve driver module.
244	Failure of dash display memory.
245	Master does not see CAN messages from display.
246	Slave does not see CAN messages from display.
247	Valve driver does not see CAN messages from display.
248	Slave does not see CAN messages from master.
249	No communication from slave to EV.
250L	Left rotor locked.
250R	Right rotor locked.
260	Incorrect voltage on pump motor --> failure in power section, driver section, or motor itself.
270	Error in lift/lower lever.
271	Error in tilt lever.
272	Error in 3rd function lever.
273	Error in 4th function lever.
275	Internal failure of valve driver module.
276	One of the EV drivers of group 1 (lift/lower) is shorted.
277	One of the EV drivers of group 2 (auxiliary in/out) is shorted.
279	One of the EV drivers of group 3 (tilt up/down) is shorted.
280	One of the EV drivers of group 4 (sideshift R/L) is shorted.

281	Driver of single EV (9th) is shorted.
282	One of the on/off EV drivers is shorted.
283	One of the on/off EV coils is shorted; short-circuit protection is triggered.
289	Voltage supply to the valve driver control module is low.
292	IBattery selection is wrong in valve controller.
294	Interlocked hydraulic function requested without activation of interlock switch.
295	Hi-Lift switch is closed and the Lo-Lift switch is open.
299	CAN wires configuration problem.