

YANMAR FAULT CODES LIST

No response from starter motor

Possible Cause Possible Remedy

No battery voltage to starter Verify wiring and battery connection (power and ground)

Battery discharged Charge or replace battery, verify alternator charging

Tripped overcurrent protection Correct fault, replace or reset overcurrent protection

No signal from control system No power to control system (see Control System Troubleshooting)

Defective starter solenoid Replace starter solenoid

Defective starter motor Replace starter motor

Engine will crank but not start

Possible Cause Possible Remedy

Engine not getting fuel Check fuel level, filter, fuel pump, verify no air in fuel lines

ECU is not functioning See Engine Troubleshooting

Tripped overcurrent protection Correct fault, replace or reset overcurrent protection

No preheat (cold condition) See Preheat Troubleshooting

Engine runs and shuts down

Possible Cause Possible Remedy

ECU shutdown Use display to view ECU diagnostic codes, use ECU diagnostic tool for more detailed information

Circuit overload protection tripped Correct overload, keep control system from overheating (over 167° F or 75° C)

Voltage transients (spikes) Add suppressor diodes, protect from nearby lightning strikes, shield induced

spikes from other equipment, add electric motor control relay

Defective control system See Control System Troubleshooting

Alternator not charging battery

Possible Cause Possible Remedy

Broken or slipping alternator drive belt Adjust or replace alternator drive belt

Alternator not excited Verify excitation circuit connected, replace faulty regulator

Alternator output not connected Install charge wire

Alternator not grounded Clean or add ground connection

Alternator faulty Replace faulty alternator.

0 Data valid but above normal operational range

1 Data valid but below normal operational range

2 Data erratic, intermittent or incorrect

3 Voltage above normal or shorted high

4 Voltage below normal or shorted low

5 Current below normal or open circuit

6 Current above normal or grounded circuit

7 Mechanical system not responding properly

8 Abnormal frequency, pulse width or period

9 Abnormal update rate

10 Abnormal rate of change

11 Failure mode not identifiable

12 Bad intelligent device or component

13 Out of calibration

14 Special instructions

15 Data valid but above normal operational range (least severe)

16 Data valid but above normal operational range (moderately severe)

17 Data valid but below normal operational range (least severe)

18 Data valid but below normal operational range (moderately severe)

19 Received network data in error

31 Not available or condition exists