

MultiDrive D3 system – error codes

Olsbergs MultiDrive D3 system uses error codes in order to indicate if something is wrong or if there are deviations from set values in the system. This error code indication system is available in Display boxes with serial number 853 and higher. The error code is indicated in the Display box and the letter in the error code indicates in which module in the system the error is located.

Error code ending with U relates to joysticks and chassie

Error code ending with R relates to PBF

Error code ending with O,P relate to DA13 resp. DA14 modules

Error code ending with I relates to DA2

Error code Error type

D3 Joysticks

001U	Right chassie – CAN problem	005U	Left chassie – CAN problem
002U	Right chassie – Temperature high	006U	Left chassie – Temperature high
003U	Right chassie – Internal error	007U	Left chassie – Internal error
004U	Right chassie – No contact with PBF	008U	Left chassie – No contact with PBF
100U	Right joystick out of position at start	200U	Left joystick out of position at start
101U	Right joystick out of position at start	201U	Left joystick out of position at start
102U	Right joystick out of position at start	202U	Left joystick out of position at start
103U	Right joystick out of position at start	203U	Left joystick out of position at start
104U	Right joystick not valid lever value	204U	Left joystick not valid lever value
105U	Right joystick not valid lever value	205U	Left joystick not valid lever value
110U	Right joystick out of position at start	210U	Left joystick out of position at start
111U	Right joystick out of position at start	211U	Left joystick out of position at start
112U	Right joystick out of position at start	212U	Left joystick out of position at start
113U	Right joystick out of position at start	213U	Left joystick out of position at start
114U	Right joystick not valid lever value	214U	Left joystick not valid lever value
115U	Right joystick not valid lever value	215U	Left joystick not valid lever value
120U	Right joystick trigger out of position at start	220U	Left joystick trigger out of position at start
121U	Right joystick trigger out of position at start	221U	Left joystick trigger out of position at start
122U	Right joystick trigger out of position at start	222U	Left joystick trigger out of position at start
123U	Right joystick trigger out of position at start	223U	Left joystick trigger out of position at start
124U	Right joystick trigger not valid lever value	224U	Left joystick trigger not valid lever value
125U	Right joystick trigger not valid lever value	225U	Left joystick trigger not valid lever value
130U	Right joystick Micro button short circuited/ pushed in	230U	Left joystick Micro button short circuited/ pushed in
131U	Right joystick Menu button short circuited/ pushed in	231U	Left joystick Menu button short circuited/ pushed in
132U	Right joystick Function button short circuited/ pushed in	232U	Left joystick Function button short circuited/ pushed in
133U	Right joystick Change button short circuited/ pushed in	233U	Left joystick Change button short circuited/ pushed in
134U	Right joystick Set button short circuited/ pushed in	234U	Left joystick Set button short circuited/ pushed in

Correct errors in joysticks/buttons

Joystick out of position - Secure that the joystick including trigger is in neutral position at start (Transition Standby to Crane).

Not valid lever value - Probable sources to problem: 1) Short circuit to ground or supply voltage, 2) No contact - connector or cable loose alternatively cable breakage in the lever.

Button short circuited or pushed in– Secure that the button is not pushed in. If the button is not pushed in the button is malfunctioning and must be changed.

Error code Error type

PBF Power supply box

001R CAN Transmittor passive
002R CAN Transmittor active
003R CAN Receiver passive
004R CAN Reciever active
006R System overloaded
008R High voltage
009R Low voltage
012R Internal error
100R Dump 1 fuse broken

Correct errors in PBF

001R-004R Error detected in the systemets CAN bus. Check cables and connection points (Connectors).
006R The systemet uses more current than expected. Systematically check for short circuits.
008R Battery voltage higher than allowed. Check the charging regulator in the truck is working OK.
009R Battery voltage lower than allowed. Check the truck's battery/generator is OK.
012R Internal error in the PBF. Visit service center for check and eventual replacement.
100R Check the fuse and replace it if out of order.

Error code Error type

DA13 modules

100O Disruption exit 1
101O Short circuit exit 1
110O Disruption exit 2
111O Short circuit exit 2
120O Disruption exit 3
121O Short circuit exit 3

DA14 modules

100P Disruption exit 1
101P Short circuit exit 1
110P Disruption exit 2
111P Short circuit exit 2
120P Disruption exit 3
121P Short circuit exit 3
130P Disruption exit 4
131P Short circuit exit 4

DA26

100O Disruption exit
101O Short circuit exit
012I Internal error

DA2 modules

012I Internal error

Correct error DA modules/DA26

Disruption – No contact with the positioners

Step 1. Secure that the DA modules are attached properly to the positioners.

DA26 check that the cables are OK and that the connectors are attached properly to the positioners.

Step 2. Check that the positioners are OK by measuring the resistance over the contact plates.

Set value 28-33 Ohm. If the resistance is within the set values the DA module/DA26 must be replaced else the positioner to be repaired..

Short circuit – Check the positioner is OK by measuring the resistance over the contact plates.

Set value 28-33 Ohm. If the resistance is within the set values the positioner is OK and the DA module must be replaced else the positioner to be repaired. Check DA26 cables before changing complete unit by swapping place with contacts. If error still remains the output is broken and the DA26 unit to be replaced else change the cable.

Internal error – Internal error in the DA module/DA26 - replace the broken unit.

Note! Important at replacement of DA module/DA26 to configure the new DA unit exactly as the DA unit replaced. DA2 is configured via jumpers on the backside of the DA module. DA13, DA14 and DA26 are configured via OCS system alternatively at the service center.